Air Quality, Greenhouse Gas, and Health Risk Assessment Report World Logistics Center City of Moreno Valley, California

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ACRONYMS AND ABBREVIATIONS

$\mu g/m^3$	micrograms per cubic meter
AB	Assembly Bill
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
AQMP	Air Quality Management Plan
ARB	California Air Resources Board
CalEEMod	California Emissions Estimator Model
CALINE4	California Line Source Model
CEQA	California Environmental Quality Act
CO	carbon monoxide
CO_2	carbon dioxide
CDFG	California Department of Fish and Game
CPR	Cancer potency factor
DBR	Daily breathing rate
diesel PM	diesel particulate matter
ED	Exposure duration
EF	Exposure frequency
EMFAC	ARB Emission Factor Model
EPA	Environmental Protection Agency
LOS	Level of Service
LST	Localized Significance Threshold
$MTCO_2e$	metric tons of carbon dioxide equivalent
$MMTCO_2e$	million metric tons of carbon dioxide equivalent
NO_X	nitrogen oxides
NO_2	nitrogen dioxide
OEHHA	California Office of Environmental Health and Hazards Assessment
$PM_{2.5}$	particulate matter less than 2.5 microns in diameter
PM_{10}	particulate matter less than 10 microns in diameter
ppm	parts per million
ppt	parts per trillion
REL	reference exposure level
ROG	reactive organic gases
SB	Senate Bill
SCAQMD	South Coast Air Quality Management District
SO_X	sulfur oxides
TAC	toxic air contaminant
VOC	volatile organic compounds

SECTION 1: EXECUTIVE SUMMARY

1.1 - Purpose and Methods of Analysis

The following air quality and greenhouse gas analysis was prepared to evaluate whether the estimated criteria air pollutant and greenhouse gas emissions generated from the World Logistics Center (project) would cause significant impacts to air resources in the project area. This assessment was conducted within the context of the California Environmental Quality Act (CEQA, California Public Resources Code Sections 21000, et seq.). The methodology follows South Coast Air Quality Management District (SCAQMD) recommendations for quantification of emissions and evaluation of potential impacts to air resources.

This analysis also follows the recommendations in the SCAQMD's comment letter in response to the Notice of Preparation for this project.

1.2 - Summary of Analysis Results

The following is a summary of the analysis results:

- The project would exceed the SCAQMD regional emission significance thresholds for VOC, NO_X, CO, PM_{10}, and $PM_{2.5}$ during construction.
- The project would exceed the SCAQMD regional significance thresholds for VOC, NO_X, CO, PM_{10}, and $PM_{2.5}$ during operation.
- The project would exceed the SCAQMD localized significance threshold for nitrogen dioxide (NO_2) and PM_{10} during operation under worst-case conditions assuming that the project would be operational in the existing year 2012.
- The project would exceed the SCAQMD localized significance thresholds for nitrogen dioxide, PM_{10}, and $PM_{2.5}$ concentrations during construction and during overlapping construction and operation under the proposed development schedule.
- At final buildout, the project would exceed the SCAQMD localized significance threshold for PM_{10} and $PM_{2.5}$ concentrations during operations under the proposed development schedule.
- The project generated construction and operational emissions of diesel particulate matter would exceed the SCAQMD 70-year lifetime cancer risk significance threshold at the existing residential areas located within the Specific Plan and to the west of the project across Redlands Boulevard.
- The project-generated traffic would not result in a carbon monoxide hot spot at project-impacted intersections.

Impact AIR-1: The project would conflict with or obstruct implementation of the applicable air quality plan. **Significant and unavoidable impact.**

Impact AIR-2: The project would violate air quality standards or contribute substantially to an existing or projected air quality violation. **Significant and unavoidable impact.**

Impact AIR-3: The project would result in a cumulatively considerable net increase of criteria pollutants for which the project region is in nonattainment under an applicable federal or state ambient air quality standard (including releasing emissions, which exceed quantitative thresholds for ozone precursors). **Significant and unavoidable impact.**

Impact AIR-4: The project would expose sensitive receptors to substantial pollutant concentrations. **Significant and unavoidable impact**.

Impact AIR-5: The project would not create objectionable odors affecting a substantial number of people. **Less than significant impact.**

Impact AIR-6: The project would generate direct and indirect greenhouse gas emissions that would result in a significant impact on the environment. **Significant and unavoidable impact.**

Impact AIR-7: The project could conflict with an applicable plan, policy or regulation of an agency adopted to reduce the emissions of greenhouse gases. **Significant and unavoidable impact.**

1.3 - Mitigation Measures Applied to the Project

Construction Measures

MM AQ-1 During project construction, the following measures shall be implemented to the satisfaction of the City of Moreno Valley. Construction equipment maintenance records and data sheets of equipment design specifications (including the emission control tier of the equipment) shall be kept onsite during construction and subject to inspection by the City of Moreno Valley.

a) Prior to the year 2017, off-road diesel-powered construction equipment greater than 50 horsepower shall meet or exceed United States Environmental Protection Agency (EPA) Tier 3 off-road emissions standards.
b) In the year 2017 and thereafter, off-road diesel-powered construction equipment greater than 50 horsepower shall implement one of the following: meet EPA Tier 4 emissions standards, meet EPA Tier 4 Interim emissions

standards, or meet EPA Tier 3 standards with California Air Resources Board verified Level 3 filters to reduce 85 percent diesel particulate matter. If a good faith effort to rent Tier 4 equipment within 200 miles of project has been conducted but has been unsuccessful, then Tier 3 equipment (without filters) can be used. Written verification of the Tier IV equipment search of three or more rental companies shall be provided by the project applicant to the City verifying the results of the search.

c) Off-road diesel-powered equipment during all construction shall be limited to 10 hours per day in the on position and in compliance with the project Noise Reduction Compliance Plan regarding the timing and location of grading operations. There are no restrictions for equipment powered by natural gas or electricity.

d) Construction equipment shall be properly maintained according to manufacturer specifications.

e) All contractors shall turn off all construction equipment and delivery vehicles when not in use or limit onsite idling to 5 minutes or less in any one hour.

f) Onsite electrical hook ups to power grid shall be provided for electric construction tools including saws, drills and compressors, where feasible, to reduce the need for diesel powered electric generators.

g) The project shall demonstrate compliance with South Coast Air Quality Management District Rule 403 concerning fugitive dust and provide appropriate documentation to the City of Moreno Valley.

h) Offsite construction shall be limited to 6 a.m. and 8 p.m. on weekdays only. Construction during City holidays shall not be permitted.

MM AQ-2 Prior to issuance of any grading permits, the developer shall provide a traffic control plan to the City of Moreno Valley that describes in detail the location of equipment staging areas, stockpiling/storage areas, construction parking areas, safe detours around the project construction site, as well as provide temporary traffic control (e.g., flag person) during construction-related truck hauling activities. The traffic control plan is intended to minimize traffic congestion and delays that increase idling and acceleration emissions. The applicant shall maintain one copy onsite in the construction trailer to the satisfaction of the City of Moreno Valley.

MM AQ-3 The following measures shall be applied to all projects during construction of the project:

a) Use paints with a volatile organic compound (VOC) content 100 grams per Liter or lower for both interior and exterior surfaces, if painted.

b) Recycle leftover paint. Take any left over paint to a household hazardous waste center; do not mix leftover water-based and oil-based.
c) Keep lids closed on all paint containers when not in use to prevent VOC emissions and excessive odors.
d) For water-based paints, clean up with water only. Whenever possible, do not rinse the clean up water down the drain or pour it directly into the ground or the storm drain. Set aside the can of clean up water and take it to the hazardous waste center (www.cleanup.org).
e) Use compliant low VOC cleaning solvents to clean paint application equipment.
f) Keep all paint and solvent laden rags in sealed containers to prevent VOC emissions.

MM AQ-4 Mass grading shall not occur on days with an Air Quality Index forecast greater than 150 for particulates or ozone (unhealthy for sensitive groups, unhealthy, very unhealthy, or hazardous conditions). Air Quality Index forecasts can be obtained at www.airnow.gov and/or www.enviroflash.info.

Operational Measures

MM AQ-5 Prior to operation of each warehouse building, the applicant shall demonstrate to the City of Moreno Valley that vehicles can access the building using paved roads and parking lots.

MM AQ-6 All applications for development shall be subject to the following conditions of approval:

Prior to the issuance of a Certificate of Occupancy:

a) Post signs informing truck drivers about the health effects of diesel particulates, the California Air Resources Board diesel idling regulations, and the importance of being a good neighbor by not parking in residential areas.
b) Post signs in all dock and delivery areas containing the following: truck drivers shall turn off engines when not in use; trucks shall not idle for more than five minutes; telephone numbers of the building facilities manager and the California Air Resources Board to report violations.
c) Prior to the issuance of occupancy permits, signs shall be installed at each exit driveway providing directional information to the City's truck route. Text on the sign shall read "To Truck Route" with a directional arrow. Truck routes shall be clearly marked per the City's Municipal Code.

On an ongoing basis:

d) Tenants shall maintain records on its fleet equipment and vehicle engine maintenance to ensure that equipment and vehicles serving the warehouses within the project are in good condition and in proper tune pursuant to manufacturer's specifications. The records shall be maintained in site and be made available for inspection by the City.
e) Tenants will ensure that site enforcement staff in charge of keeping vehicle records will be trained/certified in diesel health effects and technologies, for example, by requiring attendance at California Air Resources Board approved courses (such as the free, one-day Course #512). Documentation of said training shall be maintained on-site and be available for inspection by the City.
f) Tenants will be encouraged to become a SmartWay Partner.
g) Tenants will be encouraged to maximize the number of truck trips will be carried by SmartWay 1.0 or greater carriers.

As appropriate, these measures shall be incorporated into conditions of approval for future development within the WLCS:

h) The 2012 Regional Transportation Plan includes a zero/near-zero emissions truck corridor along State Route 60. The WLC project shall provide for the establishment of onsite alternative fueling infrastructure (electric charging stations and/or natural gas fueling), which will help facilitate the use of these low-emitting trucks. An alternative fueling facility to serve the WLCSP will be in place prior to the issuance of building permits for more than 25 million total square feet of logistics warehousing within the WLC Specific Plan. This facility may be on or offsite, subject to review and approval by the City.
i) The WLC project shall provide a site for the sale of food, fuel, and convenience items to minimize the need for trucks to travel off-project to purchase these goods and services. This facility shall be in place within the project area prior to the issuance of building permits for more than 25 million total square feet of logistics warehousing within the WLC Specific Plan to minimize the need for trucks to traverse through residential neighborhoods.

MM AQ-7 The following measures shall be incorporated into each project within the Specific Plan prior to issuance of a building permit:

a) All tenants shall participate in Riverside County's Rideshare Program. The purpose of the program would be to discourage single-occupancy vehicle trips and encourage alternate modes of transportation such as carpooling,

transit, walking, and biking. The program shall provide employees with assistance in using alternate modes of travel, including carpooling encouragement, ride-matching assistance, and vanpool assistance.

b) Storage lockers shall be provided in each building for a minimum of three percent of the full time equivalent employees based on a ratio of 0.60 employees per 1,000 square feet (sq ft) of building area.

c) Class II bike lanes shall be incorporated into the design for Gilman Springs Road (SR-60 to Alessandro Boulevard), Theodore Street (SR-60 to project), Eucalyptus Avenue (Redlands Boulevard to Theodore Street), and the main roads in the project (Street A, Street B, Street C, Street D, Street E, and Street F).

d) The project shall incorporate pedestrian pathways between onsite uses.

e) Site design and building placement shall provide pedestrian connections between internal and external facilities.

f) The project shall provide pedestrian connections to residential uses within one-fourth of a mile from the project site.

g) A minimum of two electric vehicle-charging stations for automobiles or light-duty trucks shall be provided at each building.

h) Each building shall provide secure bicycle storage space equivalent to two percent of the automobile parking spaces provided.

i) Each building shall provide a minimum of two shower and changing facilities within 200 yards of a building entrance.

j) Each building shall provide preferred parking for low-emitting and fuel-efficient vehicles equivalent to five percent of the required number of parking spaces.

k) All discretionary approvals for development shall include a 250-foot setback along the western portion of the site adjacent to Redland Boulevard, Bay Avenue and Merwin Street, from the CDFW property, and between residentially zoned property and logistics buildings in the WLC Specific Plan along Redlands Boulevard, Bay Avenue, and Merwin Street.

MM AQ-8 The project shall implement the following requirements to reduce solid waste.

a) The applicant shall submit a Recyclables Collection and Loading Area Plan for construction related materials prior to issuance of a grading permit with the Building and Safety Division and for operational aspects of the project prior to the issuance of the occupancy permit to the Public Works Department. The plan shall conform to the Riverside County Waste Management Department's Design Guidelines for Recyclable Collection and Loading Areas.

b) Prior to issuance of certificate of occupancy, the recyclables collection and loading area shall be constructed in compliance with the Recyclables Collection and Loading Area plan.
c) Prior to issuance of certificate of occupancy, documentation shall be provided to the City confirming that recycling is available for each building.
d) Within six months after occupancy of a building, the City shall confirm that all tenants have recycling procedures set in place to recycle all items that are recyclable, including but not limited to paper, cardboard, glass, plastics, and metals.
e) The City shall advise all tenants of the availability of community recycling and composting services.
f) Existing onsite street material shall be recycled for new project streets to the extent feasible.

1.4 - Project Summary

The following project description is abbreviated from the World Logistics Center Environmental Impact Report (EIR) for the proposed project, with sections pertaining to the air quality and greenhouse gas analysis included herein. The project description for the EIR is hereby included herein as reference.

1.4.1 - Project Location

The project is located in "Rancho Belago," the eastern portion of the City of Moreno Valley, in northwestern Riverside County. The project site is immediately south of SR-60, between Redlands Boulevard and Gilman Springs Road (the easterly city limit), extending to the southerly city limit. Exhibit 1 depicts the location of the proposed project within the region and the City of Moreno Valley. The major roads that currently provide access to the project site are Redlands Boulevard, Theodore Street, Alessandro Boulevard, and Gilman Springs Road.

1.4.2 - Project Setting

Project Setting

The project site slopes gently (approximately 2 percent) from north to south, with elevations ranging from approximately 1,760 feet above mean sea level (amsl) at the northeast corner to 1,480 feet amsl at the southeast corner. Soils within the proposed project consist of disturbed top soil and natural soils, with a mixture of various silty clays, sandy silts, silty sands, and sands. The project vicinity is largely vacant agricultural land with scattered utility facilities and seven rural residential properties. Exhibit 2 displays the topographical map of the project area and Exhibit 3 displays the aerial photograph of the project area.

Onsite Land Uses

The project area is largely vacant undeveloped marginal agricultural land, with seven occupied single-family homes and associated ranch/farm buildings in various locations on the property. In the 1920s, several farm buildings and related houses were constructed, and in the 1940s, a stock farm operated on a portion of the site, which was later expanded into a commercial horse farm and training facility that operated until the mid-1990s. The site has been farmed since the early 1900s and supported dry (non-irrigated) farming, livestock grazing, and limited citrus groves. Much of the site continues to be used for dry farming.

Sempra Energy operates a natural gas compressor plant, known as the Moreno Compressor Station, on 19 acres in the south-central portion of the site. Sempra Energy also operates a metering and pipe cleaning station on two separate parcels (1.5 acres in size) in the south-central portion of the site south of Alessandro Boulevard along existing Virginia Street. The site contains a variety of overhead and underground utility lines associated with oil, natural gas, and electrical service.

At present, the project site contains a number of drainage features or channels from natural erosion, but it does not contain any improved flood control facilities.

Surrounding Land Uses

Developed properties in the vicinity include a logistics building to the northwest (Skechers) and several residential neighborhoods along Redlands Boulevard along the western boundary of the project site. An area of the City known as "Old Moreno" is situated near the southwest portion of the project site, around the intersection of Redlands and Alessandro Boulevards. The homes along Bay

Avenue, Merwin Street, west of Redlands Boulevard, constitute the closest offsite "sensitive receptors" to the project site (i.e., they are across Redlands Boulevard from the property).

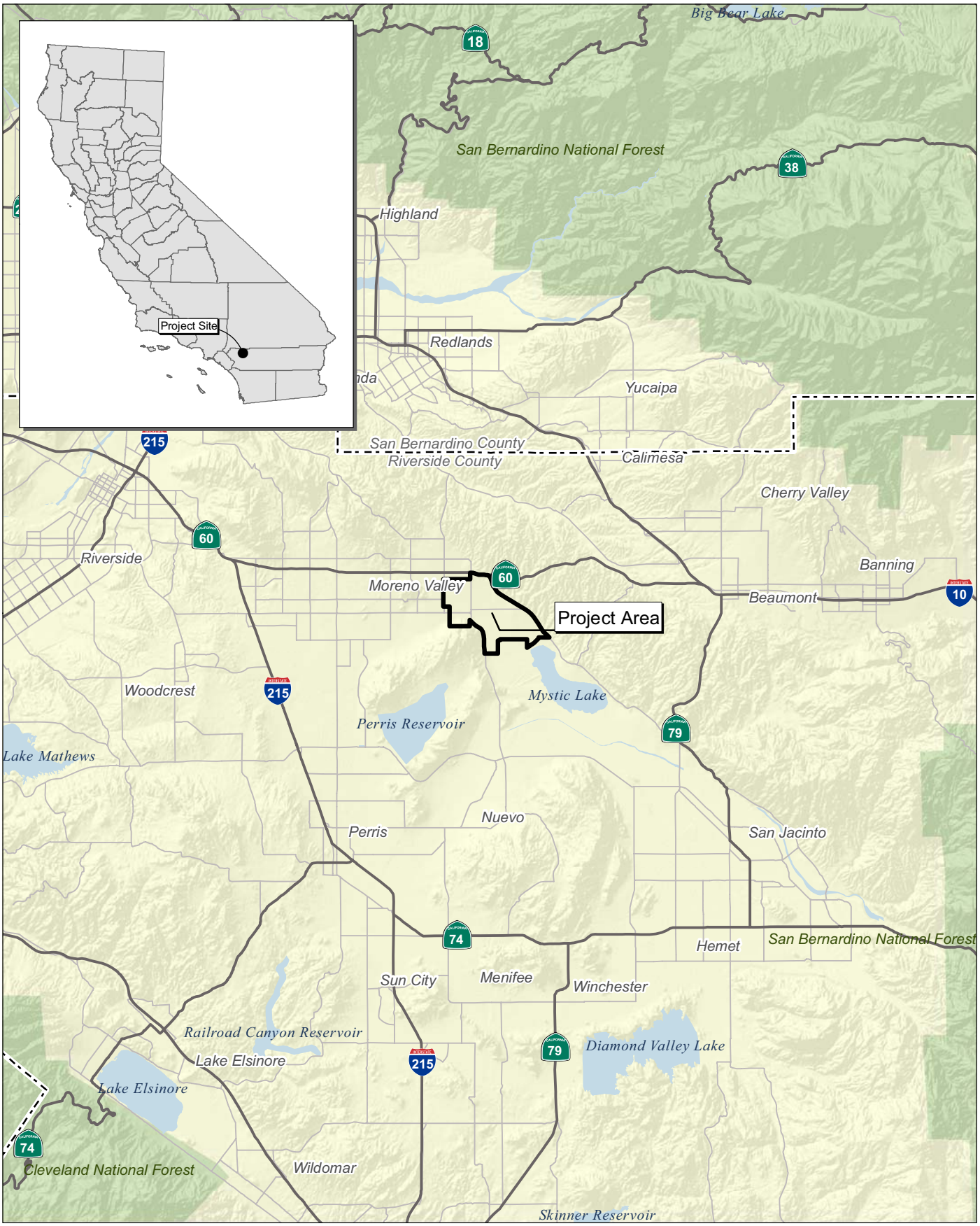
The major roadways that currently provide access to the project area are SR-60 to the north, Redlands Boulevard to the west, Alessandro Boulevard, Gilman Springs Road to the east, and Theodore Street. Redlands Boulevard and Theodore Street are north-south collector roadways that intersect with SR-60. Alessandro Boulevard is an east-west thoroughfare that runs through Moreno Valley from Interstate (I) 215 on the west to Gilman Springs Road on the east. Gilman Springs Road runs in a northwesterly-southeasterly direction connecting SR-60 to the Hemet-San Jacinto area.

The Highland Fairview Corporate Park is located north of the project area between Redlands Boulevard and Theodore Street. It is currently under development and the first phase was completed in late 2011 (i.e., the Skechers logistics warehouse). The area immediately north of SR-60 is largely undeveloped with clusters of low density residential development.

Near the southwest boundary of the project site is an existing residential neighborhood at the intersection of Redlands Boulevard and Alessandro Boulevard; a small market and a Post Office are located near this intersection. This area is referred to as "Old Moreno." The Moreno Valley Ranch and Golf Club residential community is approximately one mile southwest of the project area.

There is little development adjacent to the east and south boundaries of the project area. The area east of the project site across Gilman Springs Road is commonly referred to as the Badlands, a rugged area that separates the City of Moreno Valley from San Timoteo Canyon, and the City of Beaumont. Due to its steep slopes and canyons, the Badlands area has experienced little development; however, there are approximately ten single-family homes in the area east of Gillman Springs Road near the project site. The Badlands Sanitary Landfill, operated by the County of Riverside Waste Management Department, is located approximately 1.5 miles northeast of the project area.

Immediately south of the proposed project is the San Jacinto Wildlife Area, which includes an "Upland Game Hunting Area," Mystic Lake, and the Lake Perris State Recreation Area. These lands are state-owned and access to these areas is restricted. The San Jacinto Wildlife Area is owned and operated by the CDFG and contains approximately 20,000 acres of restored wetland and ponds. The Lake Perris State Recreation Area is owned and operated by the California State Parks Department and contains approximately 6,000 acres of open space land, which is used both for recreation and preservation of the natural southern California landscape.



Source: Census 2000 Data, The CaSIL, MBA GIS 2012.

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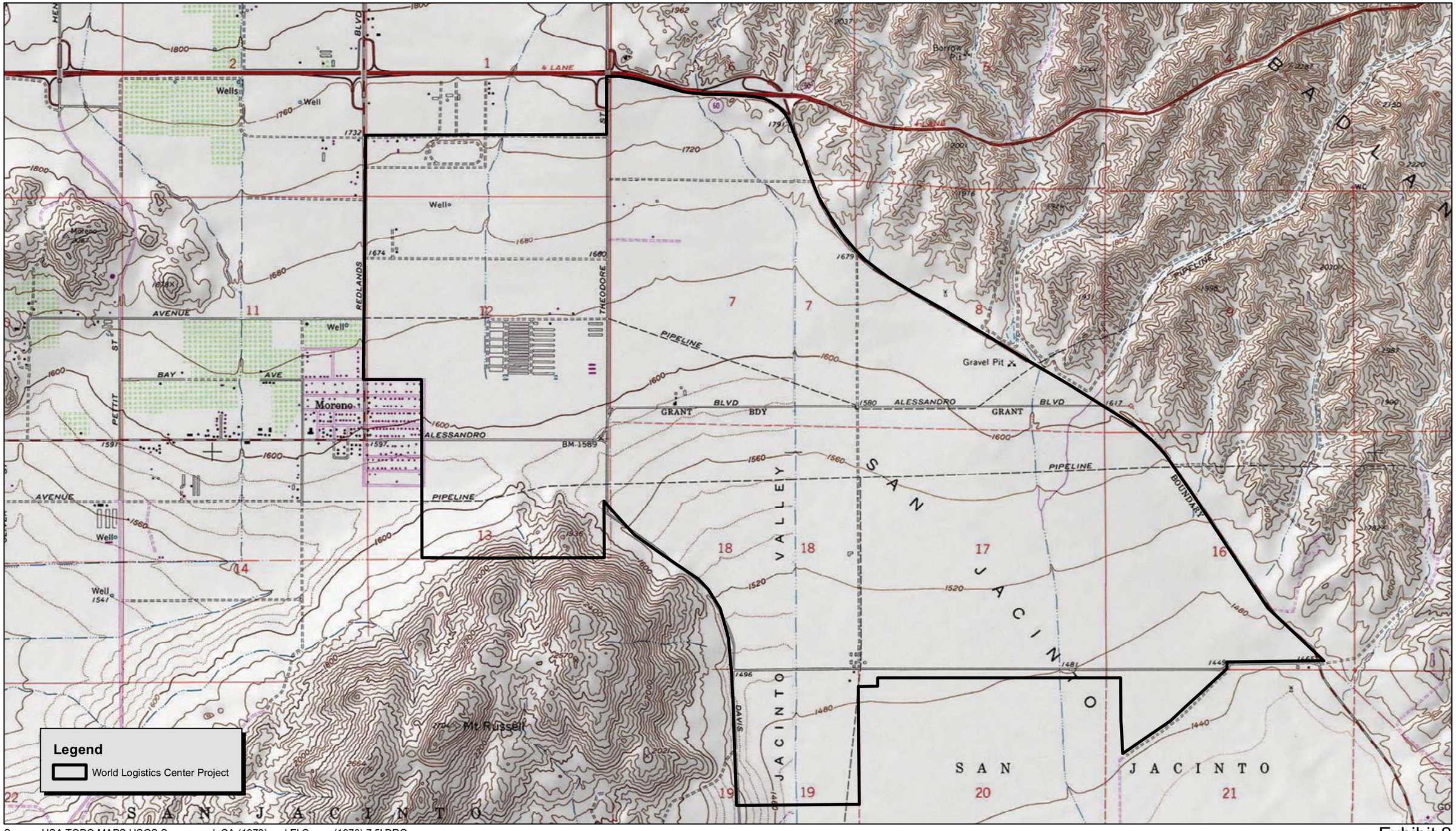
NORTH

5 2.5 0 5 Miles

Exhibit 1
Regional Location Map

26100026 • 12/2012 | 1_regional.mxd

HIGHLAND FAIRVIEW OPERATING COMPANY • WORLD LOGISTICS CENTER PROJECT
AIR QUALITY, GREENHOUSE GAS, AND HEALTH RISK ASSESSMENT REPORT



Source: USA TOPO MAPS USGS Sunnymead, CA (1978) and El Casco (1976) 7.5' DRG.

NORTH

2,000 1,000 0 2,000 Feet

Michael Brandman Associates

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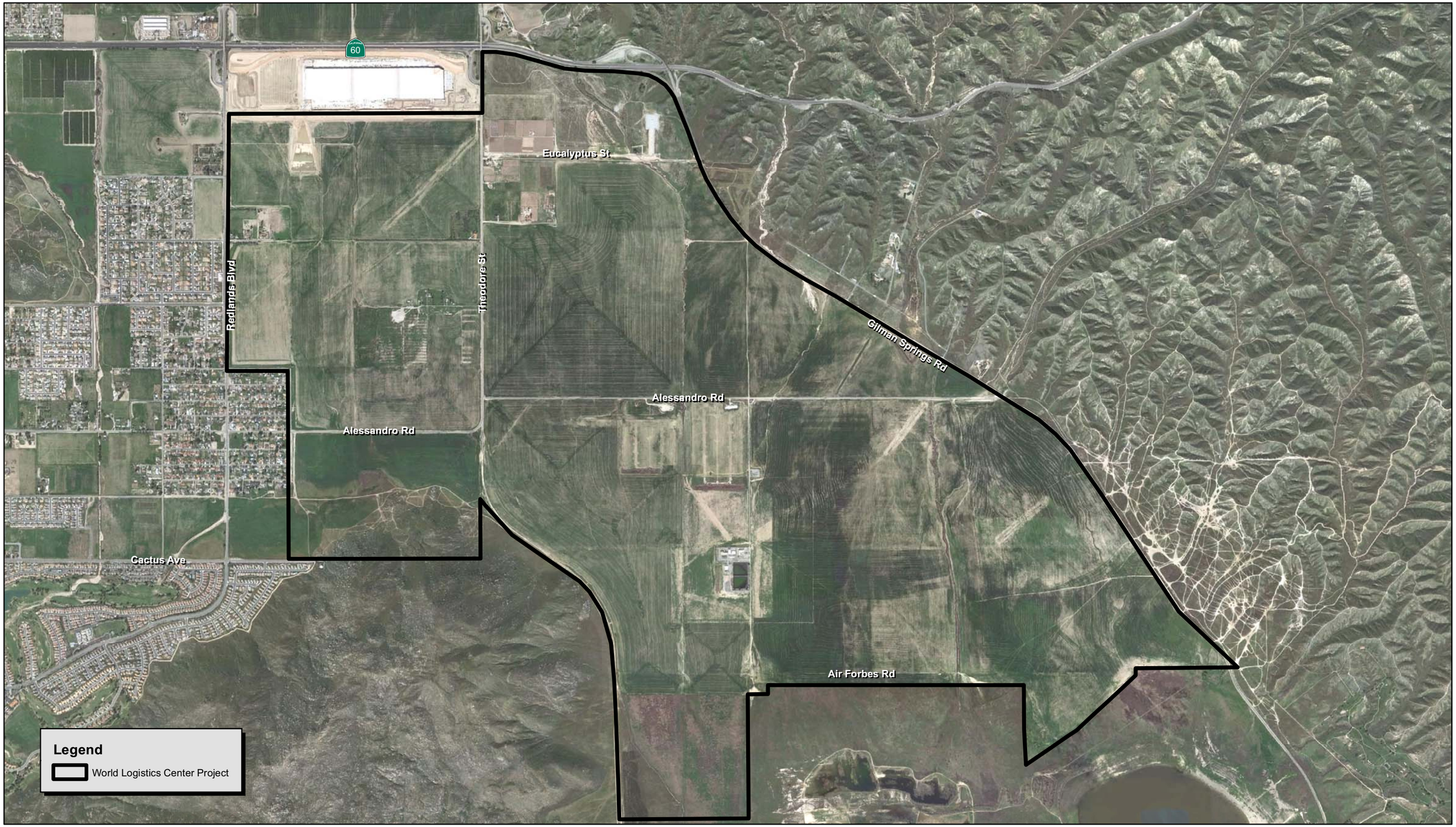
Exhibit 2
Local Vicinity Map
Topographic Base



Source: Google Earth March 2011

NORTH

1,900 950 0 1,900 Feet

Michael Brandman Associates

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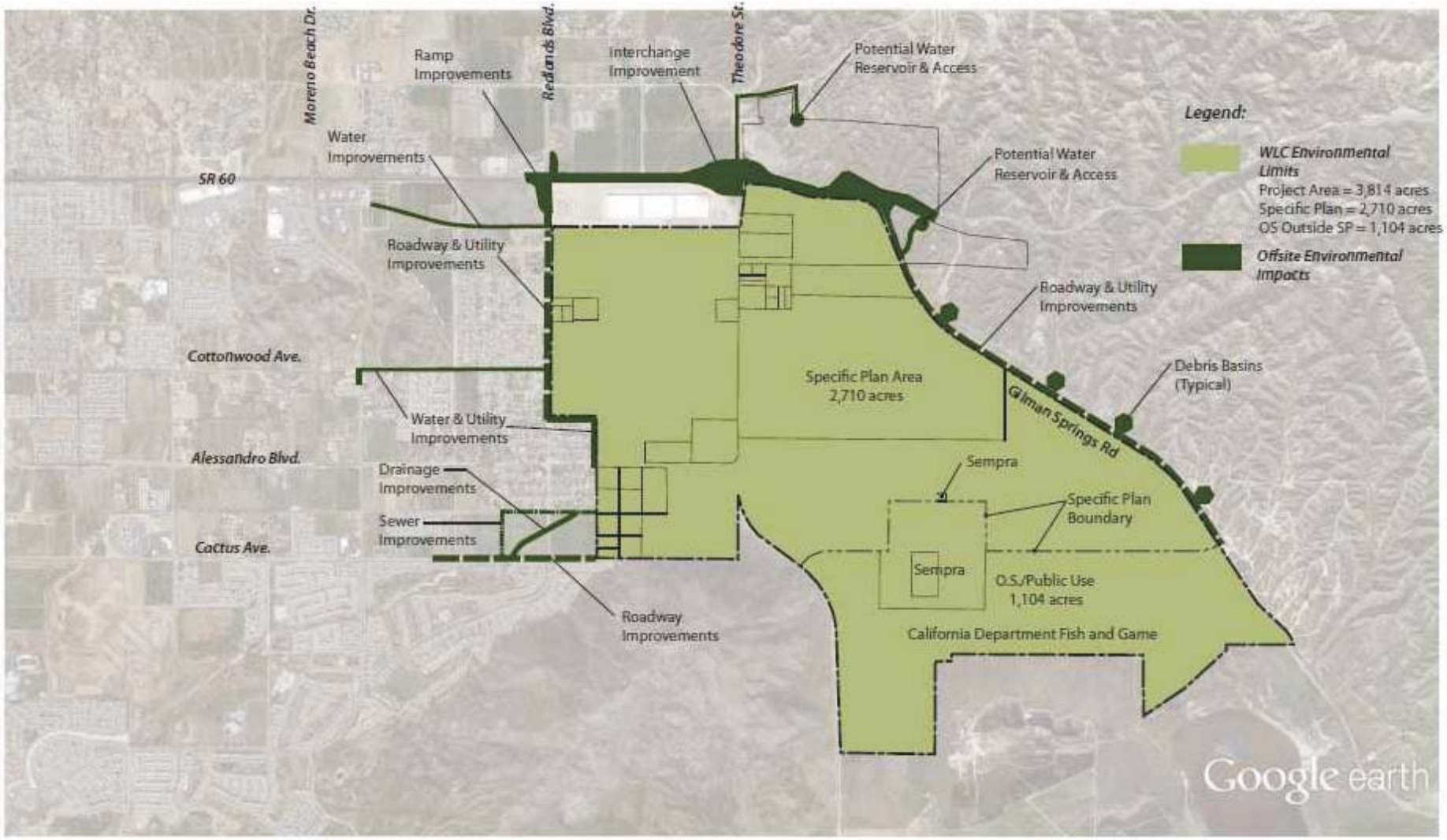
Exhibit 3
Local Vicinity Map
Aerial Base



Source: Highland Fairview, May 11, 2012.

NORTH

Michael Brandman Associates

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Exhibit 4
Proposed Project

The closest large-scale commercial development is located on the south side of SR-60 at Moreno Beach Drive, approximately 1.25 miles to the west of the proposed project. This shopping complex includes Walmart and Target along with restaurants and ancillary commercial and service uses, as well as the Moreno Valley Auto Center. The central core of Moreno Valley, which includes residential neighborhoods and more extensive commercial activity, is located approximately three miles west of the project area.

The March Air Reserve Base is located approximately seven miles southwesterly of the proposed project. The March Air Reserve Base is under the authority of the March Joint Powers Authority, which acts as the land use authority as well as the March Inland Port Airport Authority for reuse of the former March Air Force Base.

1.4.3 - General Plan and Zoning Designations

Designations on the Project Site

The Community Development Element of the City's General Plan currently designates the project area as a mix of residential, commercial, business park, and open space land uses. The currently approved 3,038-acre Moreno Highlands Specific Plan (MHSP) proposes a master planned, mixed-use community consisting of up to 7,763 residential dwelling units on approximately 2,435 acres and approximately 603 acres of business, retail, institutional, and other uses. The existing designations for the Moreno Highlands Specific Plan are shown in Table 1.

Table 1: Moreno Highlands Specific Plan (Current Land Use Designations)

Category	Land Use	Acreage
Residential Community	Residential (7283 dwelling units)	1,359
	Parks and open space	702
	Neighborhood commercial	10
	Cemetery	16
	Public facilities	348
Planned Business Center	Business park	361
	Mixed use	80
	Community commercial	16
	Parks and open space	78
	Public facilities	67
Total		**3,038**
Source: Adopted by City Council March 17, 1992.		

Designations in Surrounding Areas

The surrounding areas have a mix of land use designations, as shown in Table 2.

Table 2: Onsite and Adjacent Land Use Designations

Location	Jurisdiction	Current Land Uses	General Plan Land Uses	Zoning Designations
Onsite	City of Moreno Valley	Agriculture/dry farming, rural residential	MHSP	MHSP
North	County and City of Moreno Valley	SR-60, rural residential north of freeway	County W-2, C-P-S, City RR, R1	County W-2, C-P-S, City O, R1
South	County and State of California	Agriculture, San Jacinto Valley Wildlife Area	MHSP and OS (City and County)	MHSP and OS (City and County)
East	Riverside County	Gilman Springs Road, rural residential	RR (City)	W-2, W-2-1 and W-2-20 (County)
West	City of Moreno Valley	Residential, Industrial 1	R2, R3, R5, and LI	R2, R3, R5, and LI

Notes:
MHSP = Moreno Highlands Specific Plan
RR = rural residential
W-2 = controlled development area
C-P-S = scenic highway commercial
O = office
OS = open space
R1 = residential density of one dwelling unit per acre
R2 = residential density of two dwelling units per acre
R3 = residential density of three dwelling units per acre
Source: World Logistics Center EIR Project Description, 2012.

1.4.4 - Project Characteristics

The project covers approximately 3,918 acres and proposes a maximum of 41.4 million sq ft of "high-cube logistics" warehouse distribution uses classified as "Logistics Development" (LD) and 200,000 sq ft (approximately 0.5 percent) of warehousing-related uses classified as "Light Logistics" (LL) on 2,710 acres within the WLC Specific Plan. The lands within the WLC Specific Plan that are designated LL are existing rural lots, some containing residential uses, that may be considered "non-conforming uses" once the WLC Specific Plan is approved. The components of the proposed project are discussed below.

Project Terms

The following terms and areas are defined here for the purposes of this analysis,

World Logistics Center Project: The term refers to all related development and planning activities currently proposed in the Rancho Belago area of the eastern end of the City of Moreno Valley. The WLC property is generally located south of the SR-60 Freeway, east of Redlands Boulevard, west of Gilman Springs Road, and north of Mystic Lake and the San Jacinto Wildlife Area.

Project Site or Project Area: This term refers to the entire 3,918-acre area covered by the EIR encompassed by: (a) the Specific Plan Area (2,710 acres); (b) the CDFG Conservation Buffer Area

(910 acres); (c) the Public Facilities Lands area (194 aces); and (d) the Offsite Improvement Area on 104 acres.

CDFG Conservation Buffer Area: This term refers to a 910-acre parcel owned by the State of California as part of the San Jacinto Wildlife Area. This land is within the City of Moreno Valley and is included in the approved Moreno Highlands Specific Plan. That plan designates this property for a broad mix of urban uses including suburban residential, schools, parks, and roads. This land was purchased by the state in 2001 to act as a future buffer between the San Jacinto Wildlife Area and the future urban development under the Moreno Highlands Specific Plan. This land has been actively farmed for many decades and most of it remains in active production. The southwestern portion contains areas of non-native grasslands, although aerial photographs show that this area has been intermittently tilled over last 80 years. This property is included in the General Plan Amendment and the Zone Change to replace the current urban land uses that are permitted and replace them with Open Space and Public Facility designations. This property is not within the proposed World Logistics Center Specific Plan. This Buffer Area is a large part of the "Other Project Areas" described herein.

Other Project Areas: Sempra Energy owns a total of 194 acres of land immediately south of the Specific Plan site. These properties are included in the proposed General Plan Amendment and the Zone Change to designate them for Open Space and Public Facilities uses. These designations are consistent with present uses. These properties are not within the proposed World Logistics Specific Plan. Approximately 174 acres of the land owned by Sempra Energy will be designated as Open Space. Twenty acres of Sempra Energy land will be designated as Public Facilities.

Offsite Improvement Areas: Development under the Specific Plan will require construction of a number of offsite infrastructure improvements covering approximately 104 acres of land adjacent to the Specific Plan Site including, but not limited to the following facilities:

- Debris Basins easterly of Gilman Springs Road.
- Water reservoirs and access roads located northeast, north, and west of the project site.
- SR-60 interchange improvements.
- Roadway, water, sewer, drainage, and utility improvements extending north and west from the project.

Specific Plan Site: Approximately 2,710 acres of the project area are included in the proposed WLC Specific Plan, located generally south of the SR-60 Freeway, east of Redlands Boulevard, west of Gilman Springs Road, and north of the San Jacinto Wildlife Area.

WLC Specific Plan: The WLC Specific Plan proposes a master-planned logistics campus to include up to 41.4 million sq ft of high-cube logistics warehousing, up to 200,000 sq ft of light logistics uses, a site for logistics support uses and 75 acres of Open Space in the southwest corner of the site. The

Specific Plan includes extensive development standards, design guidelines, and review procedures for all development within the project. See below for more specifics.

Annexation Area: This term refers to an 85-acre parcel located adjacent to Gilman Springs Road that is to be annexed into the City of Moreno Valley. The parcel is already within the City's adopted Sphere of Influence.

Tentative Parcel Map Area: A Tentative Parcel Map is being processed to subdivide 1,539 acres of the project for financing purposes only. This property is owned by the project applicant. Approval of the map will confer no development rights to the property.

General Plan Amendment: One of the proposed entitlements is a General Plan Amendment that will permit the establishment of logistics land uses on the 3,814-acre property located east of Redlands and south of SR-60. The following General Plan Elements will be amended: Community Development, Circulation, Parks, Recreation, and Open Space, Safety, Conservation, and General Plan Goals and Objectives. The General Plan Amendment will replace the current Moreno Highland Specific Plan/General Plan Designations with the following land use designations: (a) 2,606 acres for high cube logistics development; (b) 1,084 acres of Open Space; and (c) 20 acres for Public Facilities.

Zone Change: The project includes a Zone Change covering 3,814 acres, which will designate 1,084 acres of land for Open Space, 20 acres for Public Facilities and 2,710 acres for the World Logistics Center Specific Plan.

State Lands: Refers to lands owned by the State of California and includes the San Jacinto Wildlife Area located south of the Specific Plan Site, and the Lake Perris State Recreation Area located southwesterly of the Specific Plan Site.

Indirect Impact Zone: This term refers to an approximately 1,000 foot wide (approximately 1,637.5 acres) analysis area (indirect impact zone) surrounding the Specific Plan area that was studied by Michael Brandman Associates as part of the assessment of potential impacts on biological resources.

Moreno Highlands Specific Plan: This term refers to the currently approved Specific Plan that covers 3,038 acres of the project area. This Specific Plan permits the development of a master planned, mixed-use community consisting of up to 7,763 residential dwelling units and approximately 603 acres of business, retail, institutional, and other uses. This development will be replaced with the World Logistics Center Specific Plan and 1,104 acres of Open Space and Public Facilities uses.

Proposed Project or World Logistics Center Project: General term applied to all of the entitlements outlined above that are addressed in this analysis, including:

WLC Specific Plan	2,710 acres
General Plan Amendment	3,814 acres

Zone Change	3,814 acres
Tentative Parcel Map	1,539 acres
Annexation	85 acres
Offsite improvements	104 acres

High Cube-Logistics Warehouse Development

Logistics warehouses are used primarily for the storage and/or consolidation of manufactured goods (with no manufacturing) prior to their distribution to secondary retail outlets. These facilities consist of large buildings typically larger than 500,000 sq ft in size, often subdivided for multiple tenants, with typical ceiling heights of 24 feet or more, and can be characterized by highly automated material handling systems supported by truck activities frequently during off-peak hours, and good freeway access. Goods imported through the Ports of Long Beach and Los Angeles as well as other locations are delivered via truck to the proposed distribution centers and distributed via truck to both in and out of state locations, thus benefiting both local and interstate commerce.

High-cube warehouse and logistics facilities include ancillary office and maintenance space along with the outdoor storage of trucks, trailers, and shipping containers. High cube-logistics warehouses provide businesses with a centralized location to sort, organize, and often transfer products from one shipping process to another where multiple forms of transport are available.

High-cube logistics warehouses are generally constructed with vertical-lift dock-high roll up doors to allow access for the loading and unloading of products from truck/trailers. Building interiors are typically large and open to accommodate the temporary storage and consolidation of the products to be distributed. Parking is provided for trucks and trailers in addition to parking for passenger vehicles in accordance with local standards.

CDFG Open Space Properties

The CDFG currently owns 910 acres of vacant open space land within the project area. This land is proposed to be designated as permanent open space on the City General Plan and zoning. The Specific Plan includes 75 acres of land designated as open space in the southwest corner of the property and no development is proposed in that area.

Moreno Compressor Plant and Public Facilities

Sempra Energy operates a regional natural gas compression-transmission facility on 19 acres in the south-central portion of the site. The project proposes to designate this facility as “Public Facility” under the City General Plan and zoning, and does not propose or anticipate any further development of this site at this time. Any proposal to expand the existing facilities at the site would require separate evaluation under CEQA.

World Logistics Center Specific Plan

The WLC Specific Plan is a master plan for the future development of approximately 41.6 million sq ft of building area on 2,710 acres, providing for mainly high-cube logistics and distribution facilities. The proposed project amends the City's General Plan and Zoning Ordinance and adopts a Specific Plan to set forth comprehensive land use regulations governing the project area within the Specific Plan boundaries. A project summary is shown in Table 3.

Table 3: World Logistics Center Specific Plan Summary

Land Use	Acres	Square Feet
World Logistics Center Specific Plan		
High cube logistics development (includes 3,000 sq ft of logistics support, including a convenience store and fueling station)	2,606	41,400,000
Light logistics	29	200,000
Open space	75	0
Specific Plan Subtotal	*2,710*	*41,600,000*
Other Project Areas		
California Department of Fish and Game	910	
Sempra - Open Space	174	
Sempra - Facility	20	
Other Area Subtotal	*1,104*	
Total Project Area	**3,918**	**41,600,000**
Source: World Logistics Center EIR Project Description, 2012.		

Land Use Plan

The WLC Specific Plan is a master plan for the development of up to 41.6 million sq ft of development emphasizing modern high-cube logistics distribution facilities.

High Cube-Logistics Development (LD). The WLC Specific Plan project proposes to develop approximately 2,606 acres with up to 41.4 million sq ft of high cube logistics warehouse space. This represents approximately 99.5 percent of the total building area of the WLC Specific Plan project. Land uses allowed under this classification include high cube logistics warehouse buildings of 500,000 sq ft or greater. High cube logistics warehouses are characterized by a high level of automated material handling systems and typical truck activities outside of the peak hour. High cube logistics warehouses are generally used for the storage and consolidation of manufactured goods prior to their distribution to retail outlets. Warehouses permitted in the WLC would be no smaller than 500,000 sq ft, with a maximum height limit of 80 feet. The Specific Plan requires that the buildings over 60 feet in height be prohibited at the periphery of the site.

Warehousing and logistics activities consistent with the storage and processing of manufactured goods and materials prior to their distribution to other facilities and retail outlets will be permitted throughout the Specific Plan. Ancillary office and maintenance space is included along with the outdoor storage of trucks, trailers, and shipping containers. Logistics Development land uses provide a location for businesses to sort, organize, and transfer products from one shipping process to another.

Alternative Fueling. The WLC Specific Plan encourages the development of warehousing that uses trucks powered by non-diesel fuels such as liquefied natural gas (LNG). The Specific Plan requires that smaller onsite service vehicles (yard goats, service vehicles, etc.) associated with these same buildings will use non-diesel fuels such as compressed natural gas (CNG) as their vehicular fuel. The use of LNG/CNG will substantially reduce vehicular emissions from the WLC project, including diesel particulate matter (diesel PM) and other diesel-related pollutants. An on-site fueling station will be included in the project that will provide CNG and LNG fuels to serve the trucks serving the project area. A specific site within the WLC has not yet been selected for this facility.

Logistics Support Uses (LS). An LNG/CNG Fueling Station is proposed in the eastern portion of the Specific Plan area; however, a specific site for this facility has not been selected. This facility will include approximately 3,000 sq ft of building area in addition to fueling areas.

Light Logistics Uses (LL). This category provides for the storage of materials such as general warehouse, self-storage, or vehicle storage uses, and would include related office and/or maintenance areas. The WLC Specific Plan applies this designation to 29 acres of existing lots that cannot accommodate development under the standards of the LD category. Buildout of these areas could support up to 200,000 sq ft or 0.5 percent of the planned development of the site. Some of these lots are currently improved with residential uses and/or agricultural uses. Under the Specific Plan, the residential and agricultural uses would become “legal, non-conforming uses.”

Open Space (OS). Approximately 75 acres in the southwest corner of the project area is designated for passive open space use in the Specific Plan. This property is adjacent to Mount Russell and the Lake Perris State Recreational Area. The Specific Plan restricts this property to passive open space and recreation uses.

Circulation System

Four key roadways will provide access to the proposed project: Theodore Street, Eucalyptus Avenue (between Redlands Boulevard and Gilman Springs Road), Gilman Springs Road, and Alessandro Boulevard (between Gilman Springs and the proposed extension to Cactus Avenue). The Specific Plan identifies five points of access for project traffic: (1) Eucalyptus Avenue at Redlands Boulevard; (2) Theodore Street at SR-60; (3) Street B at Gilman Springs Road; (4) Street C at Gilman Springs Road; and (5) Street D to Cactus Avenue (no trucks; passenger vehicles only). Primary vehicular access to the project would be from SR-60 at Theodore Street and interchange improvements are planned to accommodate the increase in traffic volumes.

Mobility. Section 3.4, Non-Vehicular Circulation, of the Specific Plan indicates that the intent of the mobility, transit, and pedestrian movement section is to ensure that people are able to move from one destination to another with minimal delays, either by walking or by using other means of non-motorized travel. This means separating vehicles from pedestrian pathways and incorporating shared modes of travel such as trucks, autos, and bikes in the same right-of-way area where feasible. As bicycles are considered vehicles, they would be able to use the street right-of-way throughout the project area. The Specific Plan states that project site development will support alternative transportation options for employees through implementation of on-site bicycle storage, preferred parking for low-emitting and fuel-efficient cars, carpool high-occupancy vehicles, and access to public transit.

The project will provide Class II (on-street) bicycle access along all connecting project roadways.

The Specific Plan requires sidewalks along all project streets. Pedestrian movement relies on sidewalks providing direct access from the street to entry points for properties and buildings. Sidewalks are required to be shown on project-specific plot plans submitted for review by the City. All public street improvement shall meet the standards set forth in Title 24.

Local bus service to the area is provided by the Riverside Transit Agency (RTA). Local bus routes will be extended into the project area when adequate demand is generated as determined by RTA. All roadways within the WLC area will be designed to accommodate bus access. The need for bus stops, turnouts, etc. will be determined by the RTA during the review of subsequent project-specific applications.

In addition to public sidewalks provided adjacent to project streets, Section 3.3.1 of the Specific Plan, Pedestrian Circulation and Trails, provides for a trail system within the WLC that will include a trail between the Redlands/Cottonwood intersection and the existing Cactus Avenue trail connection to the Lake Perris Recreational Area. This trail will continue across the Open Space area and connect to the San Jacinto Wildlife Area at the former Davis Road alignment. Engineering details of the new trail will be provided with project-specific development applications in this portion of the project area.

Solid Waste

The Specific Plan encourages recycling and reducing waste generation. Examples of the recycling processes identified by the Specific Plan include:

- Support recycling programs to sort and store materials destined for landfills;
- Reuse and recycle construction and demolition waste as much as feasible during building construction;
- Encourage the City of Moreno Valley to support by either implementing or expanding recycling and composting programs for businesses;

- Extend the types of recycling services offered (e.g., to include food and green waste recycling);
- Provide public education and publicity about recycling services conducted at the World Logistics Center; and
- Promote recycling programs aimed at supporting sustainable certification programs such as LEED, CalGreen, or similar sustainability programs.

Sustainability

Site and building design within the Specific Plan area will incorporate many sustainability and green building concepts. Green building is the practice of increasing building efficiency through site planning, water and energy management, material use, control of indoor air quality, and the use of innovative design concepts. These practices help to improve building operational efficiency, conserve water, reduce waste, and lessen the heat island effect of development.

All buildings within the project will comply with the most recent version of the Title 24 California Building Code. Adopted in 1978 in response to the energy crisis of the 1970s and updated every five years by the California Energy Commission, California's Title 24 contains the strictest and most energy efficient building code in the nation. The new 2008 Title 24 Building Codes are called California's "Green Building" codes because they create energy efficiencies of up to 30 percent in some categories above and beyond the energy efficiencies achieved under the previous versions of Title 24. The California Energy Commission adopted the changes to the Building Energy Efficiency Standards for a number of compelling reasons as follows:

1. To provide California with an adequate, reasonably-priced, and environmentally-sound supply of energy.
2. To respond to Assembly Bill 32, the Global Warming Solutions Act of 2006, which mandates that California reduce its greenhouse gas emissions to 1990 levels by 2020.
3. To pursue California policy that energy efficiency is the resource of first choice for meeting California's energy needs.
4. To act on California's Integrated Energy Policy Report findings that Standards are the most cost effective means to achieve energy efficiency, that the Building Energy Efficiency Standards will continue to be upgraded over time to reduce electricity and peak demand, and that the Standards will play a role in reducing energy related to meeting California's water needs and in reducing greenhouse gas emissions.
5. To meet the Executive Order in the Green Building Initiative to improve the energy efficiency of nonresidential buildings through aggressive standards.

The Specific Plan requires sustainable development standards so that new development within the project area minimizes energy consumption, conserves water, and uses recycled or sustainable

building materials, where feasible. It provides developers with a specific framework for identifying and implementing a variety of practicable and measurable green building design, construction, operations, and maintenance.

All new development within the project area will be "solar ready" so that solar photovoltaic systems could be installed in the future.

The sustainability guidelines for the WLC serve the following functions to:

- Assist in meeting California's greenhouse gas reduction targets as set forth through Executive Order S-3-05 and Assembly Bill 32 (also known as the Global Warming Solutions Act);
- Assist in the region's development of a sustainable communities strategy pursuant to Senate Bill 375;
- Assist in meeting other state and local goals and requirements, including Assembly Bill 1385, The Complete Streets Act;
- Establish practical and innovative solutions for the developer and tenants to improve resource efficiency and reduce consumption of energy, water, and raw materials; and
- Support waste management reduction identified in AB 341.

The Specific Plan requires construction techniques that will provide pollution prevention and control such as noise, air quality, erosion, and sediment controls. Both site planning and future building design will require best practices for use of recycled materials and products, such as recycled steel, and crushed concrete, and pavement materials.

Low-emitting volatile organic compound (VOC) building materials will be required to be used on site. Project design and construction techniques will be required to reduce heat island effect, to create thermal gradient differences between developed and undeveloped areas, impacting the micro-climate. Such techniques will include the use of materials that have a low solar reflectance index such as white roofs and light colored pavements.

All development within the Specific Plan will require the preparation of a waste management plan requiring the diversion of at least 50 percent of waste from landfill. This goal will be achieved through a comprehensive recycling and management program including storage and collection of recyclables, building and material reuse, and careful construction waste management.

The Specific Plan the use of passive heating and cooling into the design or modification of the high-cube warehouse development (e.g., white building colors and roof insulation to minimize heat gain, landscaping to help shade buildings, etc.)

Design Features to Reduce Diesel Emissions

All medium-heavy duty trucks and heavy-heavy duty trucks entering logistics sites must meet or exceed 2010 engine emission standards specified in California Code of Regulations Title 13, Article 4.5, Chapter 1, Section 2025 or be powered by natural gas, electricity, or other diesel alternative. Facility operators shall maintain a log of all trucks entering the facility to document that on average, the daily truck fleet meets these emission standards. This log shall be available for inspection by City staff at any time.

All service yard trucks (hostlers, yard goats, etc.), pallet jacks, forklifts, and other onsite equipment used during operation shall be powered by electricity, natural gas, propane, and/or 100 percent biodiesel fuel. Electrical power sources shall be provided for service equipment.

1.5 - Standard Conditions

During construction and operation, the project must comply with applicable rules and regulations. The following are rules the project may be required to comply with, either directly, or indirectly.

South Coast Air Quality Management District Rules

SCAQMD Rule 402 prohibits a person from discharging from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

SCAQMD Rule 403 governs emissions of fugitive dust during construction and operation activities. Compliance with this rule is achieved through application of standard Best Management Practices, such as application of water or chemical stabilizers to disturbed soils, covering haul vehicles, restricting vehicle speeds on unpaved roads to 15 miles per hour (mph), sweeping loose dirt from paved site access roadways, cessation of construction activity when winds exceed 25 mph, and establishing a permanent ground cover on finished sites.

Rule 403 requires that fugitive dust be controlled with best available control measures so that the presence of such dust does not remain visible in the atmosphere beyond the property line of the emission source. In addition, SCAQMD Rule 403 requires implementation of dust suppression techniques to prevent fugitive dust from creating a nuisance offsite. Applicable dust suppression techniques from Rule 403 are summarized below. Implementation of these dust suppression techniques can reduce the fugitive dust generation (and thus the PM_{10} component). Compliance with these rules would reduce impacts on nearby sensitive receptors.

Rule 403 measures may include but are not limited to the following:

- Apply nontoxic chemical soil stabilizers according to manufacturers' specifications to all inactive construction areas (previously graded areas inactive for 10 days or more).
- Water active sites at least three times daily. (Locations where grading is to occur will be thoroughly watered prior to earthmoving.)
- Cover all trucks hauling dirt, sand, soil, or other loose materials, or maintain at least 0.6 meters (2 feet) of freeboard (vertical space between the top of the load and top of the trailer) in accordance with the requirements of California Vehicle Code section 23114.
- Reduce traffic speeds on all unpaved roads to 15 mph or less.
- Suspension of all grading activities when wind speeds (including instantaneous wind gusts) exceed 25 mph.
- Bumper strips or similar best management practices shall be provided where vehicles enter and exit the construction site onto paved roads or wash off trucks and any equipment leaving the site each trip.
- Replanting disturbed areas as soon as practical.
- If applicable, follow procedures for a "large operation" including the submission to and approval from the SCAQMD of a Large Operation Notification (Form 403). A large operation means any active operations on property that contains 50 or more acres of disturbed surface area; or any earth-moving operation with a daily earth-moving or throughput volume of 3,850 cubic meters (5,000 cubic yards) or more three times during the most recent 365-day period. The additional dust control measures for large operations are contained in the rule.
- During all construction activities, construction contractors shall sweep onsite and offsite streets if silt is carried to adjacent public thoroughfares, to reduce the amount of particulate matter on public streets. All sweepers shall be compliant with SCAQMD Rule 1186.1, Less Polluting Sweepers.

SCAQMD Rule 481 applies to all spray painting and spray coating operations and equipment. The rule states that a person shall not use or operate any spray painting or spray coating equipment unless one of the following conditions is met:

1. The spray coating equipment is operated inside a control enclosure, which is approved by the Executive Officer. Any control enclosure for which an application for permit for new construction, alteration, or change of ownership or location is submitted after the date of adoption of this rule shall be exhausted only through filters at a design face velocity not less than 100 feet per minute nor greater than 300 feet per minute, or through a water wash system designed to be equally effective for the purpose of air pollution control.

2. Coatings are applied with high-volume low-pressure, electrostatic and/or airless spray equipment.

3. An alternative method of coating application or control is used which has effectiveness equal to or greater than the equipment specified in the rule.

SCAQMD Rule 1108 governs the sale, use, and manufacturing of asphalt and limits the volatile organic compound (VOC) content in asphalt used in the South Coast Air Basin. This rule would regulate the VOC content of asphalt used during construction. Therefore, all asphalt used during construction of the project must comply with SCAQMD Rule 1108.

SCAQMD Rule 1113 governs the sale, use, and manufacturing of architectural coating and limits the VOC content in paints and paint solvents. This rule regulates the VOC content of paints available during construction. Therefore, all paints and solvents used during construction and operation of the project must comply with SCAQMD Rule 1113.

SCAQMD Rule 1143 governs the manufacture, sale and use of paint thinners and solvents used in thinning of coating materials, cleaning of coating application equipment, and other solvent cleaning operations by limiting their VOC content. This rule regulates the VOC content of solvents used during construction. Solvents used during the construction phase must comply with this rule.

SCAQMD Rule 1186 limits the presence of fugitive dust on paved and unpaved roads and sets certification protocols and requirements for street sweepers that are under contract to provide sweeping services to any federal, state, county, agency or special district such as water, air, sanitation, transit, or school district.

SCAQMD Rule 1303 governs the permitting of re-located or new major emission sources, requiring Best Available Control Measures and setting significance limits for PM_{10} among other pollutants.

SCAQMD Rule 1401, New Source Review of Toxic Air Contaminants, specifies limits for maximum individual cancer risk, cancer burden, and non-cancer acute and chronic hazard index from new permit units, relocations, or modifications to existing permit units, which emit toxic air contaminants.

SCAQMD Rule 1415, Reduction of Refrigerant Emissions from Stationary Air Conditioning Systems. The SCAQMD originally adopted Rule 1415 to reduce ozone-depleting refrigerant emissions from stationary, non-residential air conditioning (comfort cooling) and refrigeration systems with full charge capacity of greater than 50 pounds, and using Class I and Class II refrigerants. Recently, the SCAQMD amended Rule 1415 to include high-global warming potential refrigerants. Further, the rule now applies only to air conditioning systems with full charge capacity of greater than 50 pounds of refrigerant.

SCAQMD Rule 1415.1, Reduction of Refrigerant Emissions from Stationary Refrigeration Systems, is to control emissions of high-global warming potential refrigerants used in stationary, non-residential refrigeration systems. With the adoption of Rule 1415.1, refrigeration systems with full charge capacity of greater than 50 pounds of high-global warming potential refrigerants are now regulated solely under the new rule. Such systems are typically used in supermarkets, cold storage warehouses, food processing plants, and process cooling operations. Rule 1415.1 is equivalent in

every aspect to the Refrigerant Management Program, a statewide regulation adopted by the California Air Resources Board to reduce emissions of high-global warming potential gases from stationary refrigeration systems. The Refrigerant Management Program took effect January 1, 2011.

Rule 1415.1 requires an owner or operator of a stationary, non-residential refrigeration system to submit annually a Rule 1415.1 Registration Plan to the SCAQMD until registration with ARB is required. In addition, the owner or operator is required to:

- Conduct leak inspections, i.e., monthly, quarterly, or annually based on the refrigeration system's full charge capacity, unless automatic leak detection devices are installed;
- Repair any refrigerant leak within 14 days of initial leak detection;
- Keep onsite records of all leak inspections, leak repair work and other servicing of the refrigeration system, including receipts of refrigerant purchases; and
- Submit an Annual Report to ARB, when required.

SCAQMD Rule 2202, On-Road Motor Vehicle Mitigation Options, is to provide employers with a menu of options to reduce mobile source emissions generated from employee commutes, to comply with federal and state Clean Air Act requirements, Health & Safety Code Section 40458, and Section 182(d)(1)(B) of the federal Clean Air Act. It applies to any employer who employs 250 or more employees on a full or part-time basis at a worksite for a consecutive six-month period calculated as a monthly average. This rule is currently active and the SCAQMD maintains a monthly activity report.[1] There are also guidelines published that outline the program elements, implementation, special procedures, and commute reduction strategies.[2]

Other

During operation, the project is required to comply with Title 24 of the California Code of Regulations established by the Energy Commission regarding energy conservation standards. The project is also required to comply with the California Green Building Standards.

Title 24. California Code of Regulations Title 24 Part 6: California's Energy Efficiency Standards for Residential and Nonresidential Buildings, was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. All buildings for which an application for a building permit is submitted on or after January 1, 2011 must follow the 2008 standards. The upcoming standards are anticipated in 2013. Energy efficient

[1] South Coast Air Quality Management District. Rule 2202 - Activity Report. Website: www.aqmd.gov/trans/doc/activity.html. Accessed December 21, 2012.

[2] South Coast Air Quality Management District. 2011. Rule 2202 – On-Road Motor Vehicle Mitigation Options Employee Commute Reduction Program Guidelines. Website: www.aqmd.gov/trans/doc/r2202_ecrp_guide.pdf. Accessed December 21, 2012.

buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases greenhouse gas emissions.

California Green Building Standards. On January 12, 2010, the State Building Standards Commission unanimously adopted updates to the California Green Building Standards Code, which went into effect on January 1, 2011. The Code is a comprehensive and uniform regulatory code for all residential, commercial and school buildings.

The California Green Building Standards Code does not prevent a local jurisdiction from adopting a more stringent code as state law provides methods for local enhancements. The Code recognizes that many jurisdictions have developed existing construction and demolition ordinances, and defers to them as the ruling guidance provided they provide a minimum 50-percent diversion requirement. The code also provides exemptions for areas not served by construction and demolition recycling infrastructure. State building code provides the minimum standard, which buildings need to meet in order to be certified for occupancy. Enforcement is generally through the local building official.

The California Green Building Standards Code (code section in parentheses) requires:

- **Short-term bicycle parking.** If a commercial project is anticipated to generate visitor traffic and adds 10 or more vehicular parking spaces, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5 percent of the additional visitor motorized vehicle parking capacity, with a minimum of one two-bike capacity rack (5.106.4.1).
- **Long-term bicycle parking.** For buildings with over 10 tenant-occupants, provide secure bicycle parking for 5 percent of tenant-occupied motorized vehicle parking capacity, with a minimum of one space (5.106.4.2).
- **Designated parking.** For projects that add 10 or more vehicular parking spaces, provide designated parking in commercial projects for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles (5.106.5.2).
- **Recycling by Occupants.** Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling (5.410.1, 5.713.10).
- **Construction waste.** A minimum 50-percent diversion of construction and demolition waste from landfills, increasing voluntarily to 65 and 75 percent for new homes and 80-percent for commercial projects (A5.408). All (100 percent) of trees, stumps, rocks and associated vegetation and soils resulting from land clearing shall be reused or recycled.
- **Wastewater reduction.** Each building shall reduce the generation of wastewater by one of the following methods:

1. The installation of water-conserving fixtures or
2. Use of non-potable water systems (5.303.4).

- **Water use savings.** 20-percent mandatory reduction in indoor water use with voluntary goal standards for 30, 35, and 40-percent reductions (5.303.2).
- **Water meters.** Separate water meters for buildings in excess of 50,000 sq ft or buildings projected to consume more than 1,000 gallons per day (5.303.1).
- **Irrigation design.** Automatic irrigation system controllers installed at the time of final inspection shall be weather- or soil moisture-based controllers that adjust irrigation in response to changes in plant needs; weather-based controllers (5.304.3).
- **Finish material pollution control.** Low-pollutant emitting interior finish materials such as adhesives, paints, carpet, and flooring (5.504.4).
- **Commissioning (5.410.2).** For new buildings 10,000 sq ft and over (dry warehouses of any size are exempt), building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's project requirements. Commissioning shall be performed by trained personnel with experience on projects of comparable size and complexity. All building systems and components covered by Title 24, Part 6, as well as process equipment and controls, and renewable energy systems shall be included in the scope of the Commissioning Requirements. Commissioning requirements shall include:

    1. Owner’s or Owner representative’s project requirements.
    2. Basis of design.
    3. Commissioning measures shown in the construction documents.
    4. Commissioning plan.
    5. Functional performance testing.
    6. Documentation and training.
    7. Commissioning report.

SECTION 2: LOCAL AND REGIONAL ENVIRONMENTAL SETTING

2.1 - Existing Physical Setting

2.1.1 - Local Climate

The project is located in the City of Moreno Valley in Riverside County and is within the South Coast Air Basin (basin). To the west of the basin is the Pacific Ocean. To the north and east of the basin are the San Gabriel, San Bernardino, and San Jacinto mountains, while the southern limit of the basin is the San Diego County line. The basin consists of Orange County, all of Los Angeles County except for the Antelope Valley, the non-desert portion of western San Bernardino County, and the western and Coachella Valley portions of Riverside County (see illustration at right, ARB 2009). The air quality in the basin is impacted by dominant airflows, topography, atmospheric inversions, location, season, and time of day.

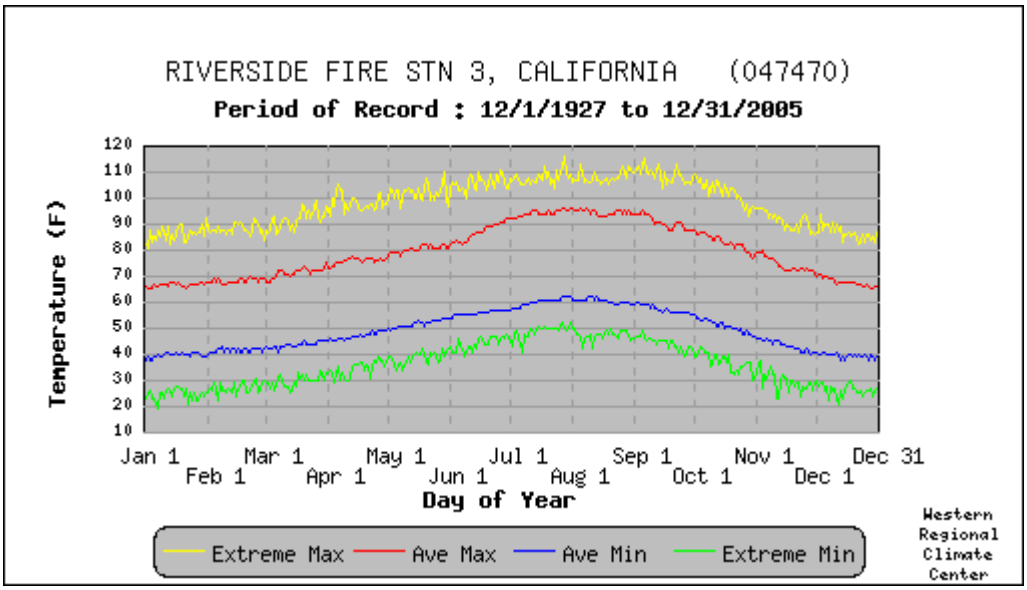
Dominant airflows provide the driving mechanism for transport and dispersion of air pollution. The mountains surrounding the region form natural horizontal barriers to the dispersion of air contaminants. Air pollution created in the coastal areas and around the Los Angeles area is transported inland until it reaches the mountains where the combination of mountains and inversion layers generally prevent further dispersion. This poor ventilation results in a gradual degradation of air quality from the coastal areas to inland areas. Air stagnation may occur during the early evening and early morning periods of transition between day and nighttime flows. The region also experiences periods of hot, dry winds from the desert, known as Santa Ana winds. If the Santa Ana winds are strong, they can surpass the sea breeze, which blows from the ocean to the land, and carry the suspended dust and pollutants out to the ocean. If the winds are weak, they are opposed by the sea breeze and cause stagnation, resulting in high pollution events.

The primary wind direction near the project site is from the northwest to the southeast, as shown in the wind rose in Exhibit 5. The exhibit shows average wind direction and wind speed as measured at the Riverside monitoring station.

Temperature inversions limit the vertical depth through which pollution can be mixed. Among the most common temperature inversions in the basin are radiation inversions, which form on clear winter nights when cold air off mountains sink to the valley floor while the air aloft over the valley remains warm. These inversions, in conjunction with calm winds, trap pollutants near the source. Other types of temperature inversions that affect the basin include marine, subsidence, and high-pressure inversions.

Summers often have periods of hazy visibility and occasionally unhealthful air, while air quality impacts in the winter tend to be localized. Higher temperatures and sunshine can contribute to air pollutant formation, particularly ozone. Impacts of ozone are discussed in the impact sections of this analysis. The annual average temperature varies little throughout much of the basin, ranging from the low to middle 60s to the upper 80s (degrees Fahrenheit), as shown in Figure 1.

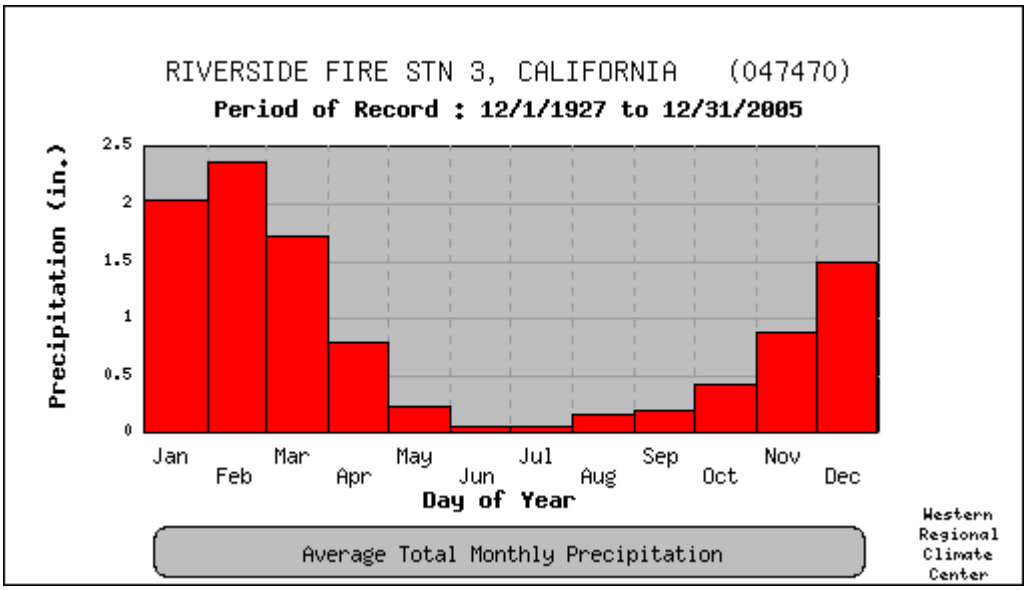
Figure 1: Daily Temperature Averages and Extremes - Riverside



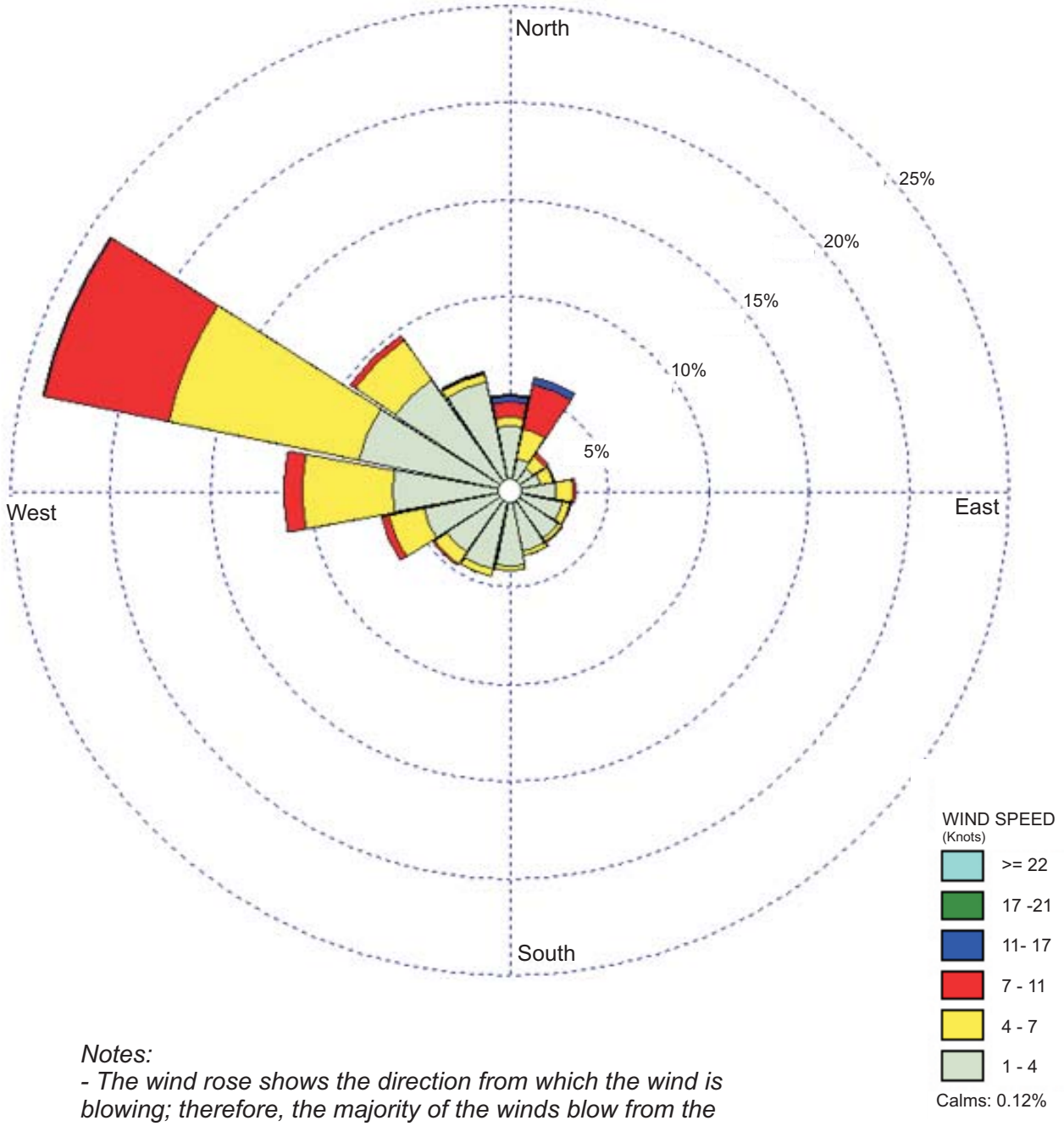
Source: Western Regional Climate Center 2012.

As shown in Figure 2, the majority of the annual rainfall in the area occurs between December and March.

Figure 2: Monthly Average Total Precipitation - Riverside



Source: Western Regional Climate Center 2012.



Notes:
- The wind rose shows the direction from which the wind is blowing; therefore, the majority of the winds blow from the northwest to the southeast.

Source: Data from South Coast Air Quality Management District, Riverside Station.

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Exhibit 5
Wind Rose

2.1.2 - Local Air Quality

The local air quality can be evaluated by reviewing relevant air pollution concentrations near the project area. For evaluation purposes, the SCAQMD has divided the basin into 36 Source Receptor Areas within the Basin operating monitoring stations in most of the areas. These Source Receptor Areas are designated to provide a general representation of the local meteorological, terrain, and air quality conditions within the particular geographical area. The project is in the northern part of Source Receptor Areas 24 and 28.

Table 4 summarizes 2009 through 2011 published monitoring data, which is the most recent 3-year period available. The data shows that during the past few years, the project area has exceeded the ozone, PM_{10}, and $PM_{2.5}$ standards. In addition, the data show that the number of days exceeding the ozone standards has been increasing over the last few years. The data shows that the Riverside monitoring station did not exceed the nitrogen dioxide standards. The Basin is in nonattainment for nitrogen dioxide because there was a monitoring station in the Basin that exceeded the standard and the entire Basin has to be designated as nonattainment. It should be noted that the project area currently does not exceed the nitrogen dioxide air standards.

Table 4: Air Quality Monitoring Summary

Air Pollutant	Averaging Time	Item	2009	2010	2011
Ozone	1 Hour	Max 1 Hour (ppm)	0.116	0.128	0.128
		Days > State Standard (0.09 ppm)	25	31	52
	8 Hour	Max 8 Hour (ppm)	0.101	0.099	0.115
		Days > State Standard (0.07 ppm)	57	74	92
		Days > National Standard (0.075 ppm)	36	47	67
Carbon monoxide	1 Hour*	Max 1 Hour (ppm)	2	3	ND*
		Days > State Standard (20 ppm)	0	0	ND*
		Days > National Standard (35 ppm)	0	0	ND*
	8 Hour	Max 8 Hour (ppm)	1.85	1.84	1.35
		Days > State Standard (9.0 ppm)	0	0	0
		Days > National Standard (9 ppm)	0	0	0
Nitrogen dioxide	Annual*	Annual Average (ppm)	0.017	0.017	ND*
	1 Hour*	98th percentile (ppm)	0.06	0.057	ND*
	1 Hour	Max 1 Hour (ppm)	0.078	0.065	0.063
		Days > State Standard (0.18 ppm)	0	0	0

Table 4 (cont.): Air Quality Monitoring Summary

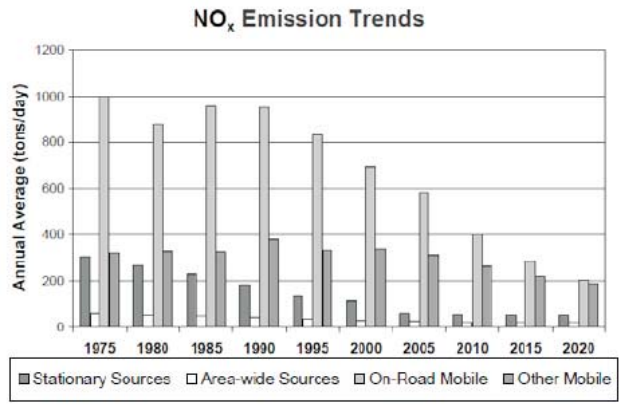
Air Pollutant	Averaging Time	Item	2009	2010	2011
Sulfur dioxide	Annual	Annual Average (ppm)	0.001	0.001	<0.001
	24 Hour	Max 24 Hour (ppm)	0.003	0.005	0.001
		Days > State Standard (0.04 ppm)	0	0	0
	1 Hour*	Max 1 Hour (ppm)	0.01	0.017	ND*
		Days > State Standard (0.25 ppm)	0	0	ND*
		Days > National Standard (0.075 ppm)	0	0	ND*
Inhalable coarse particles (PM_{10})	Annual	Annual Average ($\mu g/m^3$)	41.9	33.8	32.5
	24 hour	24 Hour ($\mu g/m^3$)	86.8	75.0	82.7
		Est. Days > State Standard (50 $\mu g/m^3$)	120	43	30
		Days > National Standard (150 $\mu g/m^3$)	0	0	0
Fine particulate matter ($PM_{2.5}$)	Annual	Annual Average ($\mu g/m^3$)	17.1	13.9	13.8
	24 Hour	24 Hour ($\mu g/m^3$)	62.0	58.5	73.7
		Days > National Standard (35 $\mu g/m^3$)	15	4	5

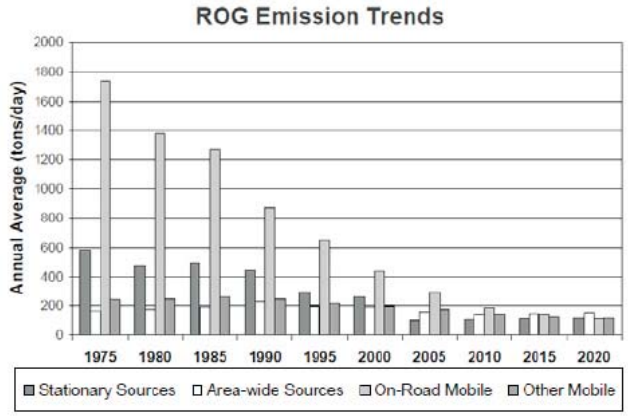
* South Coast Air Quality Management District 2012a, from Metropolitan Riverside County #1; there is no data for 2011 because the SCAQMD has not published 2011 data.
Abbreviations:
> = exceed ppm = parts per million $\mu g/m^3$ = micrograms per cubic meter
ID = insufficient data ND = no data max = maximum Est. = estimated
State Standard = California Ambient Air Quality Standard
National Standard = National Ambient Air Quality Standard
Sources: California Air Resources Board 2012, from station Riverside-Rubidoux.

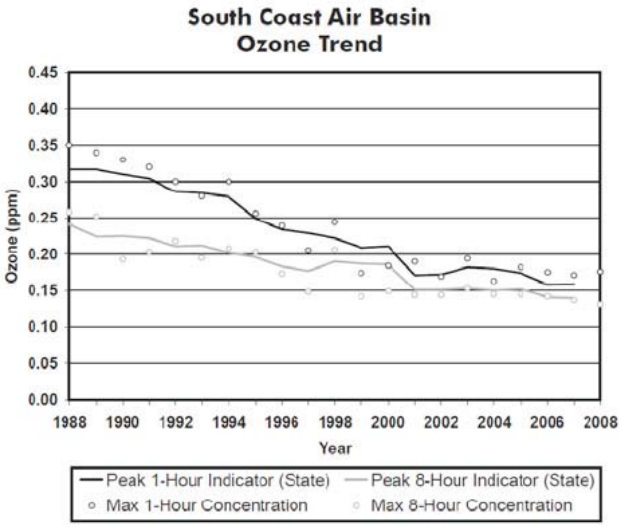
2.1.3 - Air Quality Improvement in the South Coast Air Basin

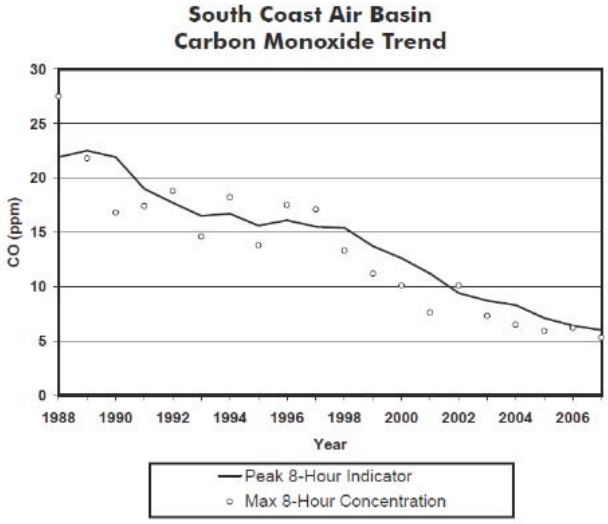
The 2012 Air Quality Management Plan states, "The remarkable historical improvement in air quality since the 1970's is the direct result of Southern California's comprehensive, multiyear strategy of reducing air pollution from all sources as outlined in its AQMPs," (South Coast Air Quality Management District 2012). As shown in Exhibit 6, ozone, NO_X, VOC, and CO have been decreasing in the Basin since 1975 and are projected to continue to decrease through 2020 (California Air Resources Board 2009). These decreases result primarily from motor vehicle controls and reductions in evaporative emissions. Although vehicle miles traveled in the Basin continue to increase, NO_X and VOC levels are decreasing because of the mandated controls on motor vehicles and the replacement of older polluting vehicles with lower-emitting vehicles. NO_X emissions from electric utilities have also decreased due to use of cleaner fuels and renewable energy.

Exhibit 6 also displays ozone contour maps, which show that the number of days exceeding the national 8-hour standard has decreased between 1997 and 2007. In the 2007 period, there was an overall decrease in exceedance days compared with the 1997 period.

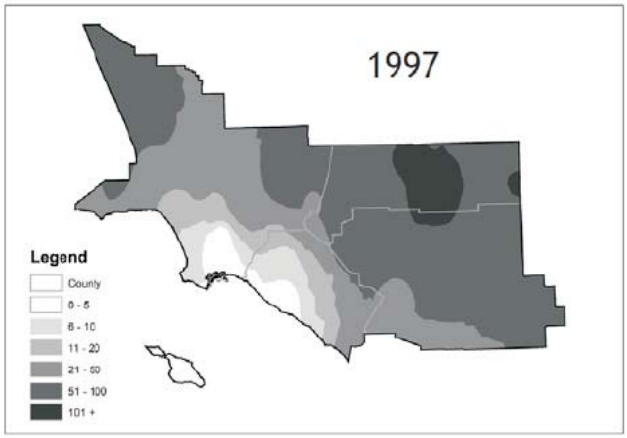


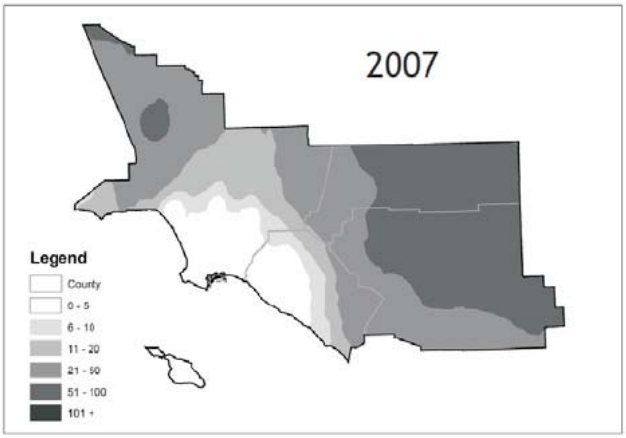






Ozone Contour Maps - 3-year Average of National 8-Hour Exceedance Days





Note: ROG (reactive organic gases) and VOC (volatile organic compounds) are used interchangeably in this analysis.
Source: California Air Resources Board, California Almanac of Emissions and Air Quality, 2009 Edition.

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Exhibit 6
NOx,VOC, and Ozone Trends in South Coast Air Basin

As shown in the top half of Exhibit 7, the overall trends of PM_{10} and $PM_{2.5}$ in the air (not emissions) show an overall improvement since 1975. As shown in the bottom half, direct emissions of PM_{10} have remained somewhat constant in the Basin and direct emissions of $PM_{2.5}$ have decreased slightly since 1975. Area wide sources (fugitive dust from roads, dust from construction and demolition, and other sources) contribute the greatest amount of direct particulate matter emissions.

2.1.4 - Attainment Status

The EPA and the ARB designate air basins where ambient air quality standards are exceeded as "nonattainment" areas. If standards are met, the area is designated as an "attainment" area. If there is inadequate or inconclusive data to make a definitive attainment designation, they are considered "unclassified." National nonattainment areas are further designated as marginal, moderate, serious, severe, or extreme as a function of deviation from standards. Each standard has a different definition, or 'form' of what constitutes attainment, based on specific air quality statistics. For example, the Federal 8-hour CO standard is not to be exceeded more than once per year; therefore, an area is in attainment of the CO standard if no more than one 8-hour ambient air monitoring values exceeds the threshold per year. In contrast, the Federal annual $PM_{2.5}$ standard is met if the three-year average of the annual average $PM_{2.5}$ concentration is less than or equal to the standard.

The current attainment designations for the Basin are shown in Table 5. The Basin is designated as nonattainment for the state and federal ozone, PM_{10}, and $PM_{2.5}$, standards. The Basin is also in nonattainment for the state nitrogen dioxide annual standard, based on the 2006 - 2008 data. The Los Angeles County portion of the Basin is in nonattainment for lead; however, the project area is in attainment for lead.

Table 5: South Coast Air Basin Attainment Status

Pollutant	State Status	National Status
Ozone	Nonattainment	Nonattainment
Carbon monoxide	Attainment	Maintenance - Serious
Nitrogen dioxide (annual)	Nonattainment	Attainment
Nitrogen dioxide (1-hour)	Attainment	Maintenance
Sulfur dioxide	Attainment	Attainment
PM_{10}	Nonattainment	Nonattainment - Serious
$PM_{2.5}$	Nonattainment	Nonattainment
Lead (Los Angeles County)	Nonattainment	Nonattainment
Lead (other parts of Basin, including the project area)	Attainment	Attainment
Source of State status: California Air Resources Board, 2011. Source of National status: U.S. Environmental Protection Agency, 2012.		

On July 20, 2012, the ARB released a Notice of Public Comment Period on Proposed Amendments to the Area Designations for State Ambient Air Quality Standards as well as the Initial Statement of Reasons for Rulemaking: Proposed 2012 Amendments to Area Designations for State Ambient Air Quality Standards for public comment (California Air Resources Board 2012b). There are no proposed changes to the attainment status presented in the table above.

2.2 - Regulatory Setting

Air pollutants are regulated at the national, state, and air basin level; each agency has a different level of regulatory responsibility. The United States Environmental Protection Agency (EPA) regulates at the national level. The California Air Resources Board (ARB) regulates at the state level. The South Coast Air Quality Management District (SCAQMD) regulates at the air basin level.

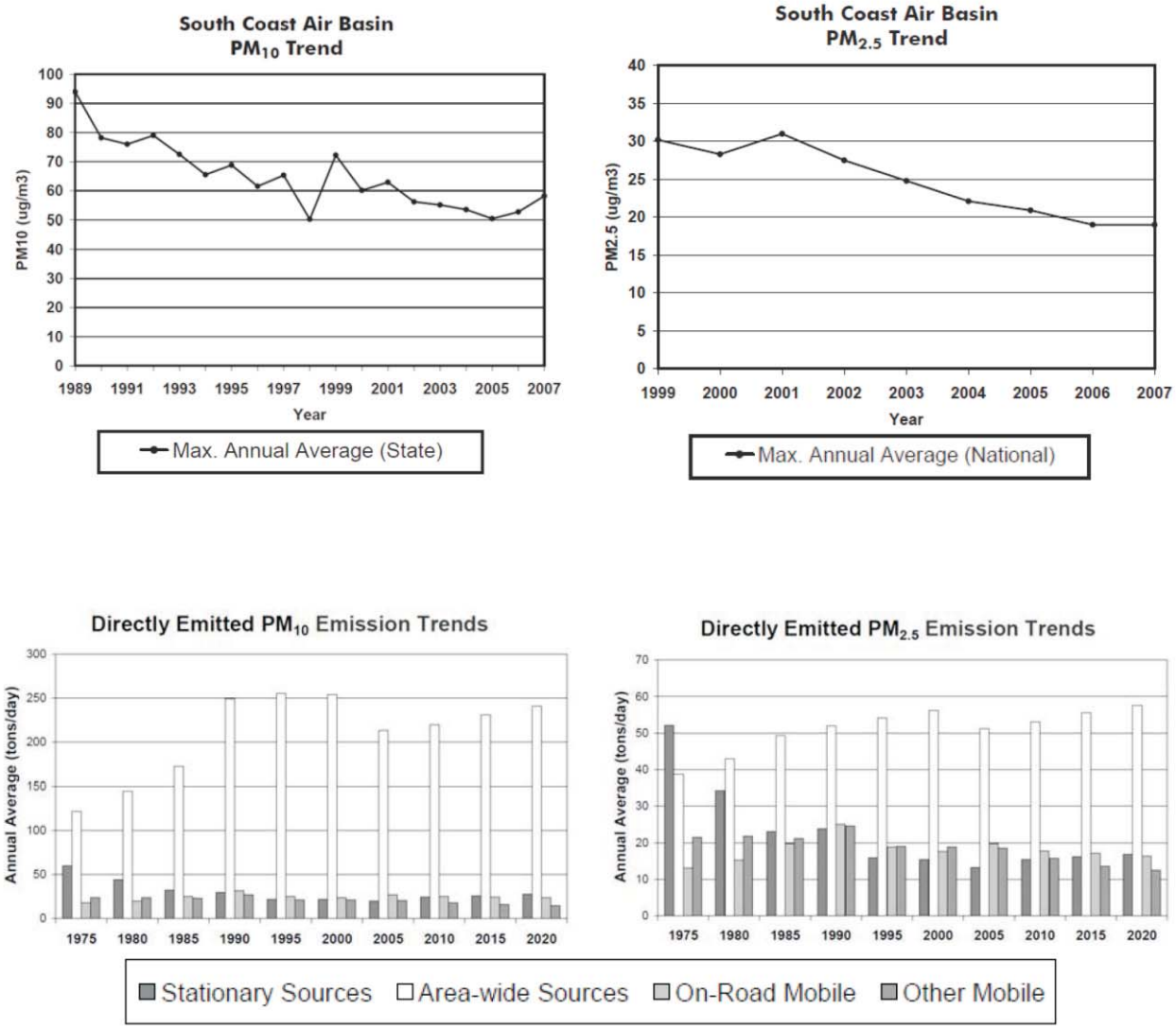
2.2.1 - National and State

The EPA is responsible for national and interstate air pollution issues and policies. The EPA sets national vehicle and stationary source emission standards, oversees approval of all State Implementation Plans, provides research and guidance for air pollution programs, and sets National Ambient Air Quality Standards, also known as federal standards. There are federal standards for six common air pollutants, called criteria air pollutants, which were identified from provisions of the Clean Air Act of 1970. The criteria pollutants are:

- Ozone
- Nitrogen dioxide
- Lead
- Particulate matter (PM_{10} and $PM_{2.5}$)
- Carbon monoxide (CO)
- Sulfur dioxide

The federal standards were set to protect public health, including that of sensitive individuals; thus, the standards continue to change as more medical research is available regarding the health effects of the criteria pollutants. Primary federal standards are the levels of air quality necessary, with an adequate margin of safety, to protect the public health (California Air Resources Board 2012).

A State Implementation Plan is a document prepared by each state describing existing air quality conditions and measures that will be followed to attain and maintain federal standards. The State Implementation Plan for the State of California is administered by the ARB, which has overall responsibility for statewide air quality maintenance and air pollution prevention. California's State Implementation Plan incorporates individual federal attainment plans for regional air districts—air district prepares their federal attainment plan, which sent to ARB to be approved and incorporated into the California State Implementation Plan. Federal attainment plans include the technical foundation for understanding air quality (e.g., emission inventories and air quality monitoring), control measures and strategies, and enforcement mechanisms.



Source: California Air Resources Board, California Almanac of Emissions and Air Quality, 2009 Edition.

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Exhibit 7
Particulate Matter Trends in South Coast Air Basin

The ARB also administers California Ambient Air Quality Standards (state standards) for the 10 air pollutants designated in the California Clean Air Act. The 10 state air pollutants are the six federal standards listed above as well visibility-reducing particulates, hydrogen sulfide, sulfates, and vinyl chloride. The federal and State ambient air quality standards, relevant effects, properties, and sources of the pollutants are summarized in Table 6. For additional health effects, please refer to Appendix C, Air Pollutant Health Effects Information, an excerpt from the SCAQMD's 2012 Air Quality Management Plan.

Several pollutants listed in Table 6 are not addressed in this analysis. Analysis of lead is not included in this report because the project is not anticipated to emit lead. Visibility-reducing particles are not explicitly addressed in this analysis because particulate matter is addressed. The project is not expected to generate or be exposed to vinyl chloride because proposed project uses do not utilize the chemical processes that create this pollutant and there are no such uses in the project vicinity. The proposed project is not expected to cause exposure to hydrogen sulfide because it would not generate hydrogen sulfide in any substantial quantity.

Table 6: Description of Air Pollutants

Air Pollutant	Averaging Time	California Standard	Federal Standard[a]	Most Relevant Effects from Pollutant Exposure	Properties	Sources
Ozone	1 Hour	0.09 ppm	—	Irritate respiratory system; reduce lung function; breathing pattern changes; reduction of breathing capacity; inflame and damage cells that line the lungs; make lungs more susceptible to infection; aggravate asthma; aggravate other chronic lung diseases; cause permanent lung damage; some immunological changes; increased mortality risk; vegetation and property damage.	Ozone is a photochemical pollutant as it is not emitted directly into the atmosphere, but is formed by a complex series of chemical reactions between volatile organic compounds (VOC), NO_X, and sunlight. Ozone is a regional pollutant that is generated over a large area and is transported and spread by the wind.	Ozone is a secondary pollutant; thus, it is not emitted directly into the lower level of the atmosphere. The primary sources of ozone precursors (VOC and NO_X) are mobile sources (on-road and off-road vehicle exhaust).
	8 Hour	0.070 ppm	0.075 ppm			
Carbon monoxide (CO)	1 Hour	20 ppm	35 ppm	Ranges depending on exposure: slight headaches; nausea; aggravation of angina pectoris (chest pain) and other aspects of coronary heart disease; decreased exercise tolerance in persons with peripheral vascular disease and lung disease; impairment of central nervous system functions; possible increased risk to fetuses; death.	CO is a colorless, odorless, toxic gas. CO is somewhat soluble in water; therefore, rainfall and fog can suppress CO conditions. CO enters the body through the lungs, dissolves in the blood, replaces oxygen as an attachment to hemoglobin, and reduces available oxygen in the blood.	CO is produced by incomplete combustion of carbon-containing fuels (e.g., gasoline, diesel fuel, and biomass). Sources include motor vehicle exhaust, industrial processes (metals processing and chemical manufacturing), residential wood burning, and natural sources.
	8 Hour	9.0 ppm	9 ppm			
Nitrogen dioxide [b] (NO_2)	1 Hour	0.18 ppm	0.100 ppm	Potential to aggravate chronic respiratory disease and respiratory symptoms in sensitive groups; risk to public health implied by pulmonary and extra-pulmonary biochemical and cellular changes and pulmonary structural changes; contribution to atmospheric discoloration; increased visits to hospital for respiratory illnesses.	During combustion of fossil fuels, oxygen reacts with nitrogen to produce nitrogen oxides - NO_X (NO, NO_2, NO_3, N_2O, N_2O_3, N_2O_4, and N_2O_5). NO_X is a precursor to ozone, PM_{10}, and $PM_{2.5}$ formation. NO_X can react with compounds to form nitric acid and related small particles and result in PM related health effects.	NO_X is produced in motor vehicle internal combustion engines and fossil fuel-fired electric utility and industrial boilers. NO_2 concentrations near major roads can be 30 to 100 percent higher than those at monitoring stations.
	Annual	0.030 ppm	0.053 ppm			

Table 6 (cont.): Description of Air Pollutants

Air Pollutant	Averaging Time	California Standard	Federal Standard[a]	Most Relevant Effects from Pollutant Exposure	Properties	Sources
Sulfur dioxide [c] (SO_2)	1 Hour	0.25 ppm	0.075 ppm	Bronchoconstriction accompanied by symptoms which may include wheezing, shortness of breath and chest tightness, during exercise or physical activity in persons with asthma. Some population-based studies indicate that the mortality and morbidity effects associated with fine particles show a similar association with ambient sulfur dioxide levels. It is not clear whether the two pollutants act synergistically or one pollutant alone is the predominant factor.	Sulfur dioxide is a colorless, pungent gas. At levels greater than 0.5 ppm, the gas has a strong odor, similar to rotten eggs. Sulfur oxides (SO_X) include sulfur dioxide and sulfur trioxide. Sulfuric acid is formed from sulfur dioxide, which can lead to acid deposition and can harm natural resources and materials. Although sulfur dioxide concentrations have been reduced to levels well below state and federal standards, further reductions are desirable because sulfur dioxide is a precursor to sulfate and PM_{10}.	Human caused sources include fossil-fuel combustion, mineral ore processing, and chemical manufacturing. Volcanic emissions are a natural source of sulfur dioxide. The gas can also be produced in the air by dimethylsulfide and hydrogen sulfide. Sulfur dioxide is removed from the air by dissolution in water, chemical reactions, and transfer to soils and ice caps. The sulfur dioxide levels in the State are well below the maximum standards.
	3 Hour	—	0.5 ppm			
	24 Hour	0.04 ppm	0.14 (for certain areas)			
	Annual	—	0.030 ppm (for certain areas)			
Particulate matter (PM_{10})	24 hour	50 µg/m^3	150 µg/m^3	- Short-term exposure (hours/days): irrigation of the eyes, nose, throat; coughing; phlegm; chest tightness; shortness of breath; aggravate existing lung disease, causing asthma attacks and acute bronchitis; those with heart disease can suffer heart attacks and arrhythmias. - Long-term exposure: reduced lung function; chronic bronchitis; changes in lung morphology; death.	Suspended particulate matter is a mixture of small particles that consist of dry solid fragments, droplets of water, or solid cores with liquid coatings. The particles vary in shape, size, and composition. PM_{10} refers to particulate matter that is between 2.5 and 10 microns in diameter, (1 micron is one-millionth of a meter). $PM_{2.5}$ refers to particulate matter that is 2.5 microns or less in diameter.	Stationary sources include fuel combustion for electrical utilities, residential space heating, and industrial processes; construction and demolition; metals, minerals, and petrochemicals; wood products processing; mills and elevators used in agriculture; erosion from tilled lands; waste disposal, and recycling. Mobile or transportation-related sources are from vehicle exhaust and road dust.
	Mean	20 µg/m^3	—			
Particulate matter ($PM_{2.5}$)	24 Hour	—	35 µg/m^3			
	Annual	12 µg/m^3	12 µg/m^3			
Visibility reducing particles	8 Hour	See note below [d]				

Table 6 (cont.): Description of Air Pollutants

Air Pollutant	Averaging Time	California Standard	Federal Standard[a]	Most Relevant Effects from Pollutant Exposure	Properties	Sources
Sulfates	24 Hour	25 µg/m^3	—	Decrease in ventilatory function; aggravation of asthmatic symptoms; aggravation of cardio-pulmonary disease; vegetation damage; degradation of visibility; property damage.	The sulfate ion is a polyatomic anion with the empirical formula SO_4^{2-}. Sulfates occur in combination with metal and/or hydrogen ions. Many sulfates are soluble in water.	Sulfates are particulates formed through the photochemical oxidation of sulfur dioxide. In California, the main source of sulfur compounds is combustion of gasoline and diesel fuel.
Lead [e]	30-day	1.5 µg/m^3	—	Lead accumulates in bones, soft tissue, and blood and can affect the kidneys, liver, and nervous system. It can cause impairment of blood formation and nerve conduction, behavior disorders, mental retardation, neurological impairment, learning deficiencies, and low IQs.	Lead is a solid heavy metal that can exist in air pollution as an aerosol particle component. Leaded gasoline was used in motor vehicles until around 1970. Lead concentrations have not exceeded state or federal standards at any monitoring station since 1982.	Lead ore crushing, lead-ore smelting, and battery manufacturing are currently the largest sources of lead in the atmosphere in the United States. Other sources include dust from soils contaminated with lead-based paint, solid waste disposal, and crustal physical weathering.
	Quarter	—	1.5 µg/m^3			
	Rolling 3-month average	—	0.15 µg/m^3			
Vinyl chloride [e]	24 Hour	0.01 ppm	—	Short-term exposure to high levels of vinyl chloride in the air causes central nervous system effects, such as dizziness, drowsiness, and headaches. Epidemiological studies of occupationally exposed workers have linked vinyl chloride exposure to development of a rare cancer, liver angiosarcoma, and have suggested a relationship between exposure and lung and brain cancers.	Vinyl chloride, or chloroethene, is a chlorinated hydrocarbon and a colorless gas with a mild, sweet odor. In 1990, ARB identified vinyl chloride as a toxic air contaminant and estimated a cancer unit risk factor.	Most vinyl chloride is used to make polyvinyl chloride plastic and vinyl products, including pipes, wire and cable coatings, and packaging materials. It can be formed when plastics containing these substances are left to decompose in solid waste landfills. Vinyl chloride has been detected near landfills, sewage plants, and hazardous waste sites.

Table 6 (cont.): Description of Air Pollutants

Air Pollutant	Averaging Time	California Standard	Federal Standard[a]	Most Relevant Effects from Pollutant Exposure	Properties	Sources
Hydrogen sulfide	1 Hour	0.03 ppm	—	High levels of hydrogen sulfide can cause immediate respiratory arrest. It can irritate the eyes and respiratory tract and cause headache, nausea, vomiting, and cough. Long exposure can cause pulmonary edema.	Hydrogen sulfide (H_2S) is a flammable, colorless, poisonous gas that smells like rotten eggs.	Manure, storage tanks, ponds, anaerobic lagoons, and land application sites are the primary sources of hydrogen sulfide. Anthropogenic sources include the combustion of sulfur containing fuels (oil and coal).
Volatile organic compounds (VOC)		There is no State or federal standards for VOCs because they are not classified as criteria pollutants.		Although health-based standards have not been established for VOCs, health effects can occur from exposures to high concentrations because of interference with oxygen uptake. In general, concentrations of VOCs are suspected to cause eye, nose, and throat irritation; headaches; loss of coordination; nausea; and damage to the liver, the kidneys, and the central nervous system. Many VOCs have been classified as toxic air contaminants.	Reactive organic gases (ROGs), or VOCs, are defined as any compound of carbon—excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate—that participates in atmospheric photochemical reactions. Although there are slight differences in the definition of ROGs and VOCs, the two terms are often used interchangeably.	Indoor sources of VOCs include paints, solvents, aerosol sprays, cleansers, tobacco smoke, etc. Outdoor sources of VOCs are from combustion and fuel evaporation. A reduction in VOC emissions reduces certain chemical reactions that contribute to the formulation of ozone. VOCs are transformed into organic aerosols in the atmosphere, which contribute to higher PM_{10} and lower visibility.
Benzene		There are no ambient air quality standards for benzene.		Short-term (acute) exposure of high doses from inhalation of benzene may cause dizziness, drowsiness, headaches, eye irritation, skin irritation, and respiratory tract irritation, and at higher levels, loss of consciousness can occur. Long-term (chronic) occupational exposure of high doses has caused blood disorders, leukemia, and lymphatic cancer.	Benzene is a VOC. It is a clear or colorless light-yellow, volatile, highly flammable liquid with a gasoline-like odor. The EPA has classified benzene as a "Group A" carcinogen.	Benzene is emitted into the air from fuel evaporation, motor vehicle exhaust, tobacco smoke, and from burning oil and coal. Benzene is used as a solvent for paints, inks, oils, waxes, plastic, and rubber. Benzene occurs naturally in gasoline at 1 to 2 percent by volume. The primary route of human exposure is through inhalation.

Table 6 (cont.): Description of Air Pollutants

Air Pollutant	Averaging Time	California Standard	Federal Standard[a]	Most Relevant Effects from Pollutant Exposure	Properties	Sources
Diesel particulate matter (diesel PM)		There are no ambient air quality standards for diesel PM.		Some short-term (acute) effects of diesel PM exposure include eye, nose, throat, and lung irritation, coughs, headaches, light-headedness, and nausea. Studies have linked elevated particle levels in the air to increased hospital admissions, emergency room visits, asthma attacks, and premature deaths among those suffering from respiratory problems. Human studies on the carcinogenicity of diesel PM demonstrate an increased risk of lung cancer, although the increased risk cannot be clearly attributed to diesel exhaust exposure.	Diesel PM is a source of $PM_{2.5}$—diesel particles are typically 2.5 microns and smaller. Diesel exhaust is a complex mixture of thousands of particles and gases that is produced when an engine burns diesel fuel. Organic compounds account for 80 percent of the total particulate matter mass, which consists of compounds such as hydrocarbons and their derivatives, and polycyclic aromatic hydrocarbons and their derivatives. Fifteen polycyclic aromatic hydrocarbons are confirmed carcinogens, a number of which are found in diesel exhaust.	Diesel exhaust is a major source of ambient particulate matter pollution in urban environments. Typically, the main source of diesel PM is from combustion of diesel fuel in diesel-powered engines. Such engines are in on-road vehicles such as diesel trucks, off-road construction vehicles, diesel electrical generators, and various pieces of stationary construction equipment.

Notes:
ppm = parts per million (concentration) $\mu g/m^3$ = micrograms per cubic meter Annual = Annual Arithmetic Mean 30-day = 30-day average Quarter = Calendar quarter

[a] Federal standard refers to the primary national ambient air quality standard, or the levels of air quality necessary, with an adequate margin of safety to protect the public health. All standards listed are primary standards except for 3 Hour SO_2, which is a secondary standard. A secondary standard is the level of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

[b] To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb (0.100 ppm).

[c] On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

[d] Visibility reducing particles: In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

[e] The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

Source of effects: South Coast Air Quality Management District 2003 and 2007b; California Environmental Protection Agency 2002; California Air Resources Board 2009; U.S. Environmental Protection Agency 2009a, 2010, and 2012; National Toxicology Program, 2011a.
Source of standards: California Air Resources Board, 2012.
Source of properties and sources: U.S. Environmental Protection Agency 2009a; U.S. Environmental Protection Agency 2003; U.S. Environmental Protection Agency 2011a; U.S. Environmental Protection Agency 2009b; National Toxicology Program, 2011b.

Asbestos

Asbestos is listed as a toxic air contaminant by ARB and as a Hazardous Air Pollutant by the EPA. Asbestos occurs naturally in surface deposits of several types of rock formations. Asbestos most commonly occurs in ultramafic rock that has undergone partial or complete alteration to serpentine rock (serpentinite) and often contains chrysotile asbestos. In addition, another form of asbestos, tremolite, can be found associated with ultramafic rock, particularly near faults. Crushing or breaking these rocks, through construction or other means, can release asbestoform fibers into the air. Asbestos emissions can result from the sale or use of asbestos-containing materials, road surfacing with such materials, grading activities, and surface mining. The risk of disease is dependent upon the intensity and duration of exposure. When inhaled, asbestos fibers may remain in the lungs and with time may be linked to such diseases as asbestosis, lung cancer, and mesothelioma. There is no asbestos in the project area (U.S. Geological Survey 2011).

Toxic Air Contaminants

Hazardous Air Pollutants (HAPs) and Toxic Air Contaminants (TACs) are a group of substances known or suspected to cause cancer, serious illness, birth defects, or death. For this discussion, HAPs and TACs are used interchangeably. HAPs are regulated by the United States Environmental Protection Agency (EPA) under the federal Clean Air Act. TACs is the term used under the California Clean Air Act to regulate the same hazardous pollutants. These contaminants tend to be localized and are found in relatively low concentrations in ambient air. However, they can result in adverse chronic health effects if exposure to low concentrations occurs for long periods. Many of these contaminants originate from human activities, such as fuel combustion and solvent use. Mobile Source Air Toxics (MSATs) are a subset of the 188 HAPs. Of the 21 HAPs identified by EPA as MSATs, a priority list of six priority HAPs were identified that include: diesel exhaust, benzene, formaldehyde, acetaldehyde, acrolein, and 1, 3-butadiene. These six compounds comprise most of the risk from HAP emissions.

In general, for those TACs that may cause cancer, there is no concentration that does not present some risk. In other words, there is no threshold level below which adverse health impacts are not expected to occur. This contrasts with the criteria pollutants carbon dioxide, nitrogen dioxide, particulate matter, and ozone for which acceptable levels of exposure can be determined and for which the State and federal governments have set ambient air quality standards. For this reason, thresholds for TAC impacts for regulatory purposes and for CEQA thresholds have been set based on the increase in risk of cancer of a specific amount at sensitive receptors located near the source of TAC emissions.

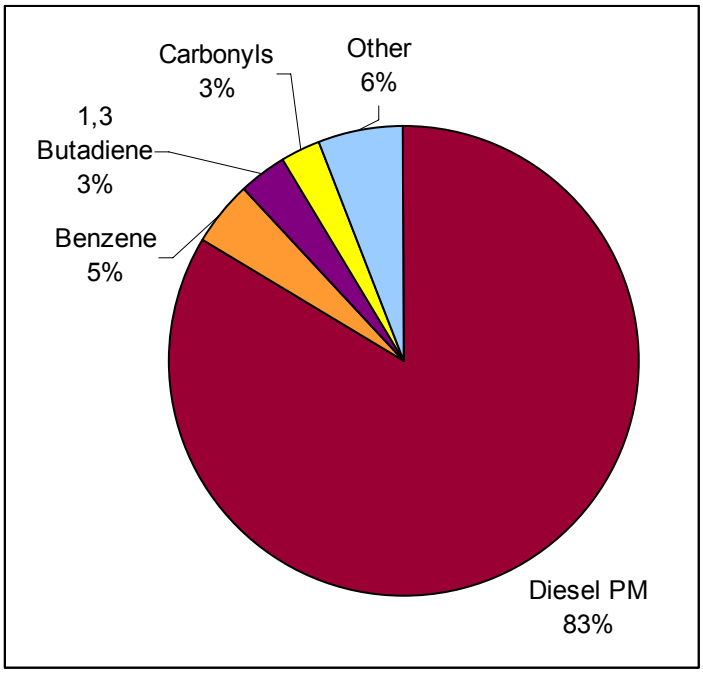
The California Almanac of Emissions and Air Quality presents the relevant concentration and cancer risk data for the ten TACs that pose the most substantial health risk in California based on available data. These TACs are as follows: acetaldehyde, benzene, 1.3-butadiene, carbon tetrachloride,

hexavalent chromium, para-dichlorobenzene, formaldehyde, methylene chloride, perchloroethylene, and diesel particulate matter (diesel PM).

TAC measurements, available at the SCAQMD Riverside Rubidoux monitoring station (14 miles northeast of the project) can be used to characterize the "background" health risks from regional TAC emission sources. Table 7 provides this summary of TAC levels in the project area and health risk information.

Some studies indicate that diesel PM poses the greatest health risk among the TACs listed in Table 7. As shown in Figure 3, the SCAQMD MATES-III report indicates that overall in the basin, diesel PM contributes 83.6 percent of the risk. The risk basinwide is 1194 per million based on average at fixed monitoring sites. A 10-year research program (California Air Resources Board 1998) demonstrated that diesel PM from diesel-fueled engines is a human carcinogen and that chronic (long-term) inhalation exposure to diesel PM poses a chronic health risk. In addition to increasing the risk of lung cancer, exposure to diesel exhaust can have other health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. Diesel exhaust is a major source of fine particulate pollution as well, and studies have linked elevated particle levels in the air to increased hospital admissions, emergency room visits, asthma attacks, and premature deaths among those suffering from respiratory problems.

Figure 3: MATES-III Basinwide Risk



Source: Michael Brandman Associates, using data from SCAQMD MATES-III Report

Table 7: Toxic Air Contaminant Concentration Levels and Associated Health Effects (Riverside, California)

TAC	Concentration*/ Health Risk**	2007	2008	2009	Health Effects
Acetaldehyde	Mean Health Risk	1.08 5	0.99 5	1.22 6	Acetaldehyde is a carcinogen that also causes chronic non-cancer toxicity in the respiratory system. Symptoms of chronic intoxication of acetaldehyde in humans resemble those of alcoholism. The primary acute effect of inhalation exposure to acetaldehyde is irritation of the eyes, skin, and respiratory tract in humans. At higher exposure levels, erythema, coughing, pulmonary edema, and necrosis may also occur. Acute inhalation of acetaldehyde resulted in a depressed respiratory rate and elevated blood pressure in experimental animals.
Benzene	Mean Health Risk	0.40 37	0.33 30	ID	Benzene is highly carcinogenic and occurs throughout California. Benzene also has non-cancer health effects. Brief inhalation exposure to high concentrations can cause central nervous system depression. Acute effects include central nervous system symptoms of nausea, tremors, drowsiness, dizziness, headache, intoxication, and unconsciousness. Neurological symptoms of inhalation exposure to benzene include drowsiness, dizziness, headaches, and unconsciousness in humans. Ingestion of large amounts of benzene may result in vomiting, dizziness, and convulsions in humans. Exposure to liquid and vapor may irritate the skin, eyes, and upper respiratory tract in humans. Redness and blisters may result from dermal exposure to benzene. Chronic inhalation of certain levels of benzene causes disorders in the blood in humans. Benzene specifically affects bone marrow (the tissues that produce blood cells). Aplastic anemia, excessive bleeding, and damage to the immune system (by changes in blood levels of antibodies and loss of white blood cells) may develop. Increased incidence of leukemia (cancer of the tissues that form white blood cells) has been observed in humans occupationally exposed to benzene.
Chromium, Hex	Mean Health Risk	0.35 52	ID	ID	In California, hexavalent chromium has been identified as a carcinogen. There is epidemiological evidence that exposure to inhaled hexavalent chromium may result in lung cancer. The principal acute effects are renal toxicity, gastrointestinal hemorrhage, and intravascular hemolysis. The respiratory tract is the major target organ for chromium (VI) following inhalation exposure in humans. Other effects noted from acute inhalation exposure to very high concentrations of chromium (VI) include gastrointestinal and neurological effects, while dermal exposure causes skin burns in humans. Chronic inhalation exposure to chromium (VI) in humans results in effects on the respiratory tract, with perforations and ulcerations of the septum, bronchitis, decreased pulmonary function, pneumonia, asthma, and nasal itching and soreness reported. Chronic human exposure to high levels of chromium (VI) by inhalation or oral exposure may produce effects on the liver, kidneys, gastrointestinal and immune systems, and possibly the blood.

Table 7 (cont.): Toxic Air Contaminant Concentration Levels and Associated Health Effects (Riverside, California)

TAC	Concentration*/ Health Risk**	2007	2008	2009	Health Effects
Para-Dichlorobenzene	Mean Health Risk	ID	ID	ID	In California, para-dichlorobenzene has been identified as a carcinogen. Acute exposure to 1,4-dichlorobenzene via inhalation results in irritation to the eyes, skin, and throat in humans. In addition, long-term inhalation exposure may affect the liver, skin, and central nervous system in humans (e.g., cerebellar ataxia, dysarthria, weakness in limbs, and hyporeflexia).
Formaldehyde	Mean Health Risk	2.88 21	2.88 21	3.12 23	The major toxic effects caused by acute formaldehyde exposure via inhalation are eye, nose, and throat irritation and effects on the nasal cavity. Other effects seen from exposure to high levels of formaldehyde in humans are coughing, wheezing, chest pains, and bronchitis. Chronic exposure to formaldehyde by inhalation in humans has been associated with respiratory symptoms and eye, nose, and throat irritation. Animal studies have reported effects on the nasal respiratory epithelium and lesions in the respiratory system from chronic inhalation exposure to formaldehyde. Occupational studies have noted statistically significant associations between exposure to formaldehyde and increased incidence of lung and nasopharyngeal cancer. This evidence is considered "limited" rather than "sufficient" due to possible exposure to other agents that may have contributed to the excess cancers. EPA considers formaldehyde to be a probable human carcinogen (cancer-causing agent) and has ranked it in EPA's Group B1. In California, formaldehyde has been identified as a carcinogen.
Methylene Chloride	Mean Health Risk	0.19 0.7	0.2 0.7	ID	Case studies of methylene chloride poisoning during paint-stripping operations have demonstrated that inhalation exposure to extremely high levels can be fatal to humans. Acute inhalation exposure to high levels of methylene chloride in humans has resulted in effects on the central nervous system, including decreased visual, auditory, and psychomotor functions, but these effects are reversible once exposure ceases. Methylene chloride also irritates the nose and throat at high concentrations. The major effects from chronic inhalation exposure to methylene chloride in humans are effects on the central nervous system, such as headaches, dizziness, nausea, and memory loss. In addition, chronic exposure can lead to bone marrow, hepatic, and renal toxicity. EPA considers methylene chloride to be a probable human carcinogen and has ranked it in EPA's Group B2. California considers methylene chloride to be carcinogenic.
Perchloroethylene	Mean Health Risk	0.035 1	0.024 1	ID	In California, perchloroethylene has been identified as a carcinogen. Perchloroethylene vapors are irritating to the eyes and respiratory tract. Following chronic exposure, workers have shown signs of liver toxicity, as well as kidney dysfunction and neurological disorders.

Table 7 (cont.): Toxic Air Contaminant Concentration Levels and Associated Health Effects (Riverside, California)

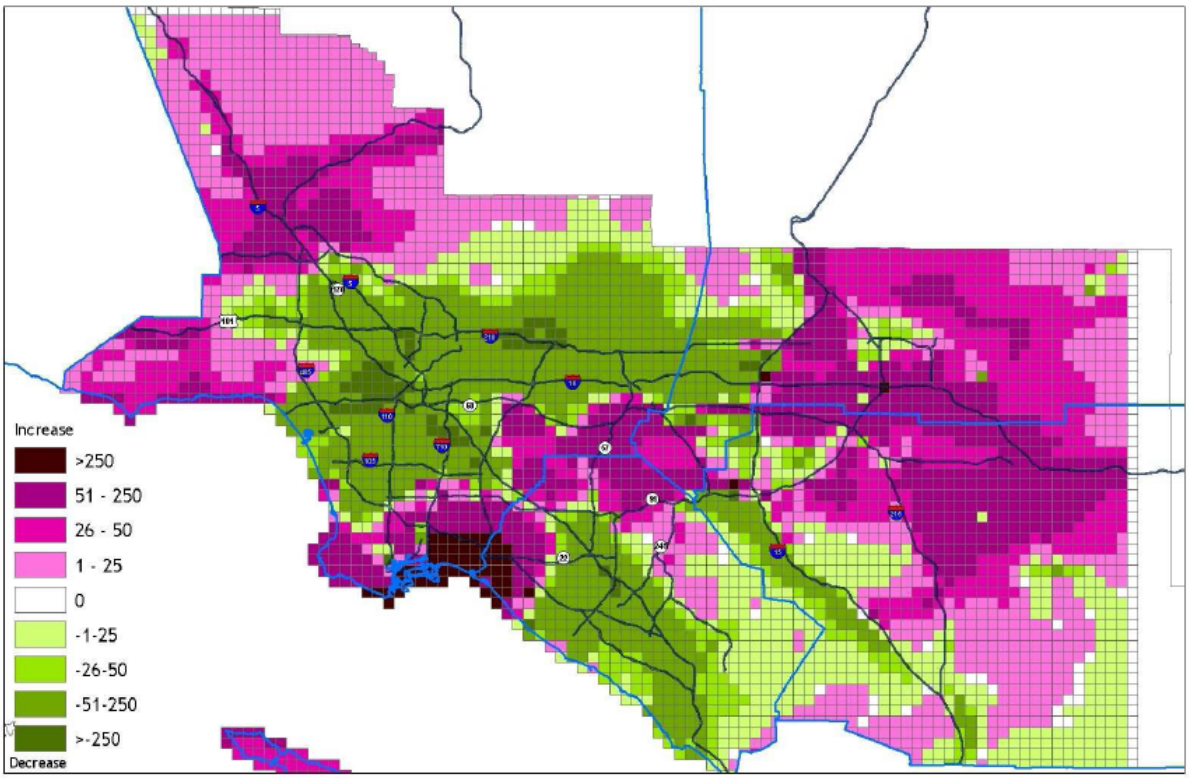
TAC	Concentration*/ Health Risk**	2007	2008	2009	Health Effects
Diesel PM	Mean Health Risk	No monitoring data available			In its comprehensive assessment of diesel exhaust, OEHHA analyzed more than 30 studies of people who worked around diesel equipment, including truck drivers, railroad workers, and equipment operators. The studies showed these workers were more likely to develop lung cancer than workers who were not exposed to diesel emissions. These studies provide strong evidence that long-term occupational exposure to diesel exhaust increases the risk of lung cancer. Using information from OEHHA's assessment, the ARB estimates that diesel-particle levels measured in California's air in 2000 could cause 540 "excess" cancers (beyond what would occur if there were no diesel particles in the air) in a population of 1 million people over a 70-year lifetime. Exposure to diesel exhaust can have immediate health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. In studies with human volunteers, diesel exhaust particles made people with allergies more susceptible to the materials to which they are allergic, such as dust and pollen. Exposure to diesel exhaust also causes inflammation in the lungs, which may aggravate chronic respiratory symptoms and increase the frequency or intensity of asthma attacks. Note: There have been some studies that suggest the risk from diesel PM is over exaggerated, as discussed elsewhere in this report.

ID = insufficient data to determine metric
* Concentrations for Hexavalent Chromium are expressed as ng/m^3, and concentrations for Diesel PM are expressed as $\mu g/m^3$. Concentrations for all other TACs are expressed as ppb.
** Health Risk represents the number of excess cancer cases per million people based on a lifetime (70-year) exposure to the annual average concentration. Total Health Risk represents only those compounds listed in this table and only those with data for the year. There may be other significant compounds for which monitoring and/or health risk information are not available
Source: California Air Resources Board 2011b for the SCAQMD Riverside Rubidoux air monitoring station.

Diesel PM differs from other TACs in that it is not a single substance but a complex mixture of hundreds of substances. Although diesel PM is emitted by diesel-fueled, internal combustion engines, the composition of the emissions varies, depending on engine type, operating conditions, fuel composition, lubricating oil, and whether an emission control system is present. Unlike the other TACs, however, no ambient monitoring data are available for diesel PM because no routine measurement method currently exists. The ARB has made preliminary concentration estimates based on a diesel PM exposure method. This method uses the ARB emissions inventory's PM_{10} database, ambient PM_{10} monitoring data, and the results from several studies to estimate concentrations of diesel PM. Within the South Coast Air Basin, in addition to diesel PM, there are emissions of benzene, formaldehyde, acetaldehyde, naphthalene, ethylbenzene, acrolein, toluene, hexane, propylene, and xylene from a variety of sources located within the Basin that contribute to health risks.

As shown in Figure 4, the project area experienced an increase of air toxics risk between 51 and 250 in one million from 1998-99 to 2005.

Figure 4: Change in Air Toxics Simulated Risk from 1998-99 to 2005



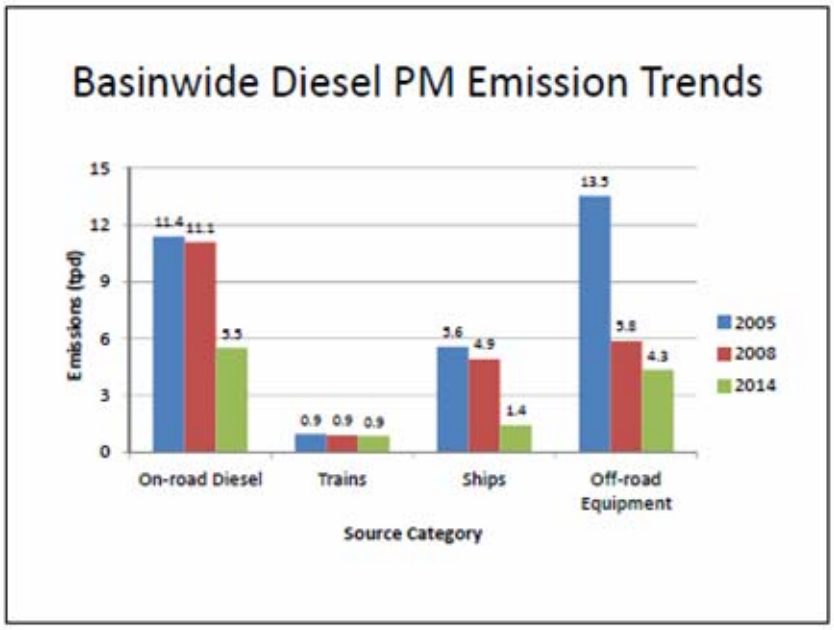
Source: South Coast Air Quality Management District, MATES-III report

Figure 4 illustrates cancer risk estimates as a "snapshot in time." That is, the cancer risks are derived from air dispersion models and are based on the emissions of various TACs during the years 1998 and 2005. The basic tenant used to estimate cancer risk assumes that the public will be exposed to these

TAC emissions during an entire 70-year lifetime. However, the SCAQMD, ARB, and the USEPA have adopted numerous regulations that have resulted in significant reductions in pollutant emissions with the attendant reductions in prevailing air quality levels since 1998 and 2005 as noted above in Section 2.1.3, Air Quality Improvement in the South Coast Air Basin. The benefits of substantial emission reductions are not reflected in the estimate of 70-year lifetime cancer risks as estimated in the MATES-III report referred to in Figure 4. However, as discussed below, the project related assessment does reflect these regulations.

The identification of diesel PM as a carcinogenic substance set into motion the development and adoption of the ARB's Diesel Risk Reduction Plan (ARB 2000). This plan recommends many control measures to reduce the risks associated with diesel PM and achieve a goal of 75 percent reduction by 2010 and 85 percent reduction by 2020. These control measures include reductions on both on-road and off-road vehicles, off-road construction equipment, stationary and portable diesel engines, marine engines, railroad locomotive engines, and transportation refrigeration units. Based on these control measures, diesel PM emissions have declined since 2000 and are expected to decline even further into the future. A representation of this declining trend is shown in Figure 5, which shows the trend in basinwide diesel PM emissions from several emission source categories (SCAQMD 2012b). As noted therein, decreases in diesel PM emissions of 52 percent are shown for on-road diesel emissions, 75 percent for ships, and 68 percent for off-road equipment from 2005 to 2014. Diesel PM emissions from rail locomotives show no change in levels during the period.

Figure 5: Basinwide Diesel PM Emission Trends



Source: South Coast Air Quality Management District 2012b.

Alternate Views on Diesel PM Risk

Some researchers, such as Dr. James E. Enstrom (2008), believe that the risk from diesel PM is over exaggerated. Enstrom calls into question some of the basic research on the declaration of diesel exhaust as a toxic air contaminant. In particular, the article states the following:

> …There is substantial new epidemiologic evidence relevant to the health effects of diesel exhaust that was not considered when the 1998 toxic air contaminant declaration was made. For instance, the 2007 paper by Francine Laden et al. measured death rates during 1985-2000 among 54,000 members of the unionized U.S. trucking industry…This cohort, which included 36,000 diesel truck drivers, had death rates from all causes and all cancer that were substantially below the rates among US males. Furthermore, unlike earlier evidence that was used in the TAC declaration, this cohort did not have a substantially elevated lung cancer death rate.

Dr. Enstrom also indicates that the premature mortality calculation in the report, "Quantification of the Health Impacts and Economic Valuation of Air Pollution from Ports and Goods Movement in California," is exaggerated. Dr. Enstrom's analysis "found no relationship between $PM_{2.5}$ and mortality in elderly Californians during 1983-2002…"

Moreover, the current methodological protocols required by SCAQMD and ARB when studying the health risk posed by diesel PM assume the following: (1) 24-hour constant exposure; (2) 350 days a year (the OEHHA assumption that allows for a 2-week period away from home each year); (3) for a continuous period lasting 70 years. These are extremely conservative assumptions that are not replicated in reality. Most people are indoors for 18-20 hours a day (at their place of employment or home) and most people do not live in the same location for a 70-year period. In fact, the OEHHA observed that perhaps only 5 to 10 percent of the population has a continuous residency of greater than 30 years (OEHHA 2012). Thus, the health risk assessments prepared pursuant to these protocols over-estimate the risk of cancer associated with diesel PM exposure.

State of California

Carl Moyer Memorial Air Quality Standards Attainment Program. Since 1998, the Carl Moyer Memorial Air Quality Standards Attainment Program (Carl Moyer Program) has provided funding to encourage the voluntary purchase of cleaner engines, equipment, and emission reduction technologies. The Carl Moyer Program plays a complementary role to California's regulatory program by funding emission reductions that are surplus, i.e., early and/or in excess of what is required by regulation. The Carl Moyer Program accelerates the turnover of old highly-polluting engines, speeds the commercialization of advanced emission controls, and reduces air pollution impacts on environmental justice communities. Emission reductions achieved through the Carl Moyer Program are an important component of the California State Implementation Plan.

Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 horsepower and Greater. Effective February 19, 2011, each fleet shall comply with weighted reduced particulate matter emission fleet averages by compliance dates listed in the regulation.

ARB Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling adopts new section 2485 within Chapter 10, Article 1, Division 3, title 13 in the California Code of Regulations. The measure limits the idling of diesel vehicles to reduce emissions of toxics and criteria pollutants. The driver of any vehicle subject to this section: (1) shall not idle the vehicle's primary diesel engine for greater than five minutes at any location; and (2) shall not idle a diesel-fueled auxiliary power system for more than five minutes to power a heater, air conditioner, or any ancillary equipment on the vehicle if it has a sleeper berth and the truck is located within 100 feet of a restricted area (homes and schools).

ARB Final Regulation Order, Requirements to Reduce Idling Emissions from New and In-Use Trucks, requires that new 2008 and subsequent model-year heavy-duty diesel engines be equipped with an engine shutdown system that automatically shuts down the engine after 300 seconds of continuous idling operation once the vehicle is stopped, the transmission is set to "neutral" or "park," and the parking brake is engaged. If the parking brake is not engaged, then the engine shutdown system shall shut down the engine after 900 seconds of continuous idling operation once the vehicle is stopped and the transmission is set to "neutral" or "park." Any project trucks manufactured after 2008 would be consistent with this rule, which would ultimately reduce air emissions.

ARB Regulation for In-Use Off-Road Diesel Vehicles. On July 26, 2007, the ARB adopted a regulation to reduce diesel particulate matter and NO_X emissions from in-use (existing) off-road heavy-duty diesel vehicles in California. Such vehicles are used in construction, mining, and industrial operations. The regulation limits idling to no more than five consecutive minutes, requires reporting and labeling, and requires disclosure of the regulation upon vehicle sale. The ARB is enforcing that part of the rule with fines up to $10,000 per day for each vehicle in violation. Performance requirements of the rule are based on a fleet's average NO_X emissions, which can be met by replacing older vehicles with newer, cleaner vehicles or by applying exhaust retrofits. The regulation was amended in 2010 to delay the original timeline of the performance requirements making the first compliance deadline January 1, 2014 for large fleets (over 5,000 horsepower), 2017 for medium fleets (2,501-5,000 horsepower), and 2019 for small fleets (2,500 horsepower or less).

Statewide Truck and Bus Rule. On December 12, 2008, the ARB approved this regulation to reduce emissions from existing on-road diesel trucks and buses operating in California. This regulation applies to all on-road heavy-duty diesel-fueled vehicles with a gross vehicle weight rating greater than 14,000 pounds, agricultural yard trucks with off-road certified engines, and certain diesel fueled shuttle vehicles of any gross vehicle weight rating. Out-of-state trucks and buses that operate in California are also subject. Under the regulation, older, heavier trucks, i.e. those with pre-2000 year engines and a gross vehicle weight rating greater than 26,000 pounds, are required to have

installed a particulate matter filter and must be replaced with a 2010 engine between 2015 and 2020, depending on the model year. By 2015, all heavier pre-1994 trucks must be upgraded to 2010 engines and newer trucks are thereafter required to be replaced over the next 8 years. Older, more polluting trucks are required to be replaced first, while trucks that already have relatively clean 2007-2009 engines are not required to be replaced until 2023. Lighter trucks (14,001-26,000 pounds) must adhere to a similar schedule, and will all be replaced by 2020. Furthermore, nearly all trucks that are not required under the Truck and Bus Regulation to be replaced by 2015 are required to be upgraded with a particulate matter filter by that date.

ARB Airborne Toxic Control Measure. In July 2001, the ARB approved an Air Toxic Control Measure for construction, grading, quarrying and surface mining operations to minimize emissions of naturally occurring asbestos. The regulation requires application of best management practices to control fugitive dust in areas known to have naturally occurring asbestos and requires notification to the local air district prior to commencement of ground-disturbing activities. The measure establishes specific testing, notification and engineering controls prior to grading, quarrying or surface mining in construction zones where naturally occurring asbestos is located on projects of any size. There are additional notification and engineering controls at work sites larger than one acre in size. These projects require the submittal of a "Dust Mitigation Plan" and approval by the air district prior to the start of a project.

2.2.2 - South Coast Air Quality Management District

The agency for air pollution control for the South Coast Air Basin (basin) is the South Coast Air Quality Management District (SCAQMD). The SCAQMD is responsible for controlling emissions primarily from stationary sources. The SCAQMD maintains air quality monitoring stations throughout the basin. The SCAQMD is also responsible for the following.

Air Quality Management Plans

SCAQMD, in coordination with the Southern California Association of Governments, is also responsible for developing, updating, and implementing the Air Quality Management Plan (AQMP) for the basin. An AQMP is a plan prepared and implemented by an air pollution district for a county or region designated as nonattainment of the federal and/or California ambient air quality standards. The term nonattainment area is used to refer to an air basin where one or more ambient air quality standards are exceeded.

2003 AQMP

One of the purposes of the 2003 AQMP is to lead the basin and portions of the Salton Sea Air Basin under SCAQMD jurisdiction into compliance with the 1-hour ozone and PM_{10} federal standards (South Coast Air Quality Management District 2003). One of the purposes of the 2007 AQMP is to lead the basin into compliance of the federal 8-hour ozone and $PM_{2.5}$ standards.

The 2003 AQMP also replaced the 1997 attainment demonstration for the federal CO standard and provided a basis for a maintenance plan for CO for the future, and updated the maintenance plan for the federal nitrogen dioxide standard that the South Coast Air Basin has met since 1992 (2003 AQMP, page 1-1).

The 2003 AQMP also incorporated new scientific data in the form of updated emissions inventories, ambient measurements, new meteorological episodes, and new air quality modeling tools. The 2003 AQMP utilized complex modeling to show that with the control measures, the basin would be in compliance with the federal and state standards for all pollutants by 2010, except for the state ozone and PM_{10} standards and the state ozone and PM_{10} standard after 2010 or by the earliest practicable date, as mandated by the California Health and Safety Code Section 40462. The ARB approved the 2003 AQMP on August 1, 2003. The EPA's adequacy finding on the emissions budgets for conformity determination in the basin was published in the Federal Register (69 FR 15325-15326).

2007 AQMP

The 2007 AQMP was adopted by the SCAQMD on June 1, 2007 (South Coast Air Quality Management District 2007b). On July 13, 2007, the SCAQMD Board adopted the 2007 Final AQMP Transportation Conformity Budgets and directed the Executive Officer to forward them to ARB for its approval and subsequent submittal to the EPA. On September 27, 2007, ARB adopted the State Strategy for the 2007 State Implementation Plan and the 2007 AQMP as part of the State Implementation Plan. On January 15, 2009, the EPA's regional administrator signed a final rule to approve in part and disapprove in part the SCAQMD 2003 1-hour ozone plan and the nitrogen dioxide maintenance plan. The parts of the plan that were approved strengthen the State Implementation Plan. The Clean Air Act does not require the disapproved portions of the plan, and the disapprovals do not start sanctions clocks.

The 2007 AQMP outlines a detailed strategy for meeting the federal health-based standards for $PM_{2.5}$ by 2015 and 8-hour ozone by 2024 while accounting for and accommodating future expected growth. The 2007 AQMP incorporates significant new emissions inventories, ambient measurements, scientific data, control strategies, and air quality modeling. Most of the reductions will be from mobile sources, which are currently responsible for about 75 percent of all smog and particulate forming emissions. The 2007 AQMP includes 37 control measures proposed for adoption by the SCAQMD, including measures to reduce emissions from new commercial and residential developments, more reductions from industrial facilities, and reductions from wood burning fireplaces and restaurant charbroilers.

2012 AQMP

The 2012 AQMP was adopted December 7, 2012 (South Coast Air Quality Management District 2012c). The purpose of the 2012 AQMP for the Basin is to set forth a program that will lead the Basin into compliance with the federal 24-hour $PM_{2.5}$ air quality standard, and to provide an update of the Basin's projections in meeting the federal 8-hour ozone standards. The AQMP was adopted by

the SCAQMD Governing Board; therefore, it was submitted to the U.S. EPA as the State Implementation Plan (SIP) for the federal 2006 24-hour $PM_{2.5}$ standard. In addition, the AQMP will update specific elements of the previously approved 8-hour ozone SIP: 1) an updated emissions inventory and, 2) new control measures and commitments for emissions reductions to help fulfill the Section 182(e)(5) portion of the 8-hour ozone SIP.

The 2012 AQMP states, "The remarkable historical improvement in air quality since the 1970's is the direct result of Southern California's comprehensive, multiyear strategy of reducing air pollution from all sources as outlined in its AQMPs."

The 2012 AQMP proposes Basin-wide $PM_{2.5}$ measures that will be implemented by the 2014 attainment date, episodic control measures to achieve air quality improvements (would only apply during high $PM_{2.5}$ days), Section 182(e)(5) implementation measures (to maintain progress towards meeting the 2023 8-hour ozone national standard), and transportation control measures. Most of the control measures focus on incentives, outreach, and education.

Proposed $PM_{2.5}$ reduction measures in the 2012 AQMP include the following:

- Further NO_X reductions from RECLAIM.
- Further reductions from residential wood burning devices.
- Further reductions from open burning.
- Emission reductions from under-fired charbroilers.
- Further ammonia reductions from livestock waste.
- Backstop measures for indirect sources of emissions from ports and port-related sources.
- Further criteria pollutant reductions from education, outreach and incentives.

There are multiple VOC and NO_X reductions in the 2012 AQMP to attempt to reduce ozone formation, including further VOC reductions from architectural coatings, miscellaneous coatings, adhesives, solvents, lubricants, and mold release products.

The 2012 also contains proposed mobile source implementation measures for the deployment of zero- and near-zero emission on-road heavy-duty vehicles, locomotives, and cargo handling equipment. There are measures for the deployment of cleaner commercial harborcraft, cleaner ocean-going marine vessels, cleaner off-road equipment, and cleaner aircraft engines.

The 2012 AQMP proposes the following mobile source implementation measures:

- On-road mobile sources:
  - Accelerated penetration of partial zero-emission and zero-emission vehicles and light-heavy and medium-heavy duty vehicles through funding assistance for purchasing the vehicles.

  - Accelerated retirement of older light-, medium-, and heavy-duty vehicles through funding incentives.
  - Further emission reductions from heavy-duty vehicles serving near-dock rail yards through a proposed control measure that calls for a requirement that any cargo container moved between the Ports of Los Angeles and Long Beach to the nearby rail yards by with zero-emission technologies.
- Off-road mobile sources:
  - Extension of the SOON provision for construction/industrial equipment, which provides funding to re-power or replace older Tier 0 and Tier 1 equipment.
  - Further emission reductions from freight and passenger locomotives calls for an accelerated use of Tier 4 locomotives in the Basin.
  - Further emission reductions from ocean-going marine vessels while at berth
  - Emission reductions from ocean-going marine vessels.

The 2012 AQMP also relies upon the Southern California Association of Governments regional transportation strategy, which is in its adopted 2012-2035 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) and 2011 Federal Transportation Improvement Program, which contains the following sections:

1. Linking regional transportation planning to air quality planning: making sure that the regional transportation plan supports the goals and objectives of the AQMP/SIP.
2. Regional transportation strategy and transportation control measures: the RTP/SCS contains improvements to the regional multimodal transportation system including the following: active transportation (non-motorized transportation - biking and walking); transportation demand management; transportation system management; transit; passenger and high-speed rail; goods movement; aviation and airport ground access; highways; arterials; and operations and maintenance.
3. Reasonably available control measure analysis.

SCAQMD Rules

The AQMP for the Basin establishes a program of rules and regulations administered by SCAQMD to obtain attainment of the state and federal standards. The rules and regulations that apply to this project include, but are not limited to, the rules listed in Section 1.5, Standard Conditions, of this report.

CEQA

The SCAQMD has two roles under CEQA:

1. Lead Agency: responsible for preparing environmental analyses for its own projects (adoption of rules, regulations, or plans) or permit projects filed with the SCAQMD where the SCAQMD has primary approval authority over the project.
2. Commenting Agency: the SCAQMD reviews and comments on air quality analyses prepared by other public agencies (such as the proposed project).

The SCAQMD also provides guidance and thresholds for CEQA air quality and greenhouse gas analyses. The result of this guidance as well as State regulations to control air pollution is an overall improvement in the Basin, as shown previously in this report.

Ports of Los Angeles/Long Beach Clean Trucks Program

In recognition of the role that the Ports play in generating relatively large emissions of TACs, the Ports adopted their Clean Truck Plan, which commenced in October 2008. The plan established a progressive ban on older polluting trucks that require access to the ports. Specifically, the plan requires that by

- October 1, 2008: All pre-1989 trucks were banned from entering the Port.
- January 1, 2010: 1989-1993 trucks were banned, in addition to 1994-2003 trucks that had not been retrofitted.
- January 1, 2012: All trucks that did not meet the 2007 Federal Clean Truck Emissions Standards were banned from the Port.

In its first year, the program reduced the rate of port truck emissions by an estimated 70 percent. When the program was fully implemented in 2012, port truck emissions were reduced by more than 80 percent (Port of Los Angeles 2012).

SECTION 3: CLIMATE CHANGE SETTING

3.1 - Climate Change

Climate change is a change in the average weather of the earth that is measured by alterations in wind patterns, storms, precipitation, and temperature. These changes are assessed using historical records of temperature changes occurring in the past, such as during previous ice ages. Many of the concerns regarding climate change use this data to extrapolate a level of statistical significance specifically focusing on temperature records from the last 150 years (the Industrial Age) that differ from previous climate changes in rate and magnitude.

The United Nations Intergovernmental Panel on Climate Change (IPCC) constructed several emission trajectories of greenhouse gases needed to stabilize global temperatures and climate change impacts. In its Fourth Assessment Report, the IPCC predicted that the global mean temperature change from 1990 to 2100, given six scenarios, could range from 1.1 degrees Celsius (°C) to 6.4°C. Regardless of analytical methodology, global average temperatures and sea levels are expected to rise under all scenarios (Intergovernmental Panel on Climate Change 2007a). The report also concluded that "[w]arming of the climate system is unequivocal," and that, "[m]ost of the observed increase in global average temperatures since the mid-20th century is very likely due to the observed increase in anthropogenic greenhouse gas concentrations." However, some scientists disagree with the conclusions in the IPCC report, as discussed below.

There has been regulation enacted to reduce greenhouse gases, discussed in Section 3.4 below.

3.1.1 - Alternate Views Regarding Climate Change

There are some with alternate views on climate change. In particular, some believe that there was a lack of adequate peer review in the United Nations IPCC Fourth Assessment Report. There are disagreements regarding temperature changes, the impact of carbon dioxide, and the relationship between global temperature increase and natural disasters.

Alleged Lack of Adequate Peer Review in IPCC Report

An evaluation of IPCC's procedures shows that the peer-review process used for the Fourth Assessment Report could have been inadequate, as shown below:

> There is no common standard for [peer review] and the IPCC has no obvious procedures to guard against bias, undergoes no 'due diligence' checks on the validity of the science it summarizes, and makes no checks to ensure that data and methodology of the science that it cites are available to critics....Indeed, during the review process of the recent fourth assessment report (AR4), the IPCC actually supported at least one author who had declined to release data. Authors of many of the key climate studies cited in the IPCC are brazen in their refusal to release data and methodology, as the governing principles seem rightly to require,

> and despite their leading roles in the IPCC process giving enhanced stature to their work. (Holland 2007)

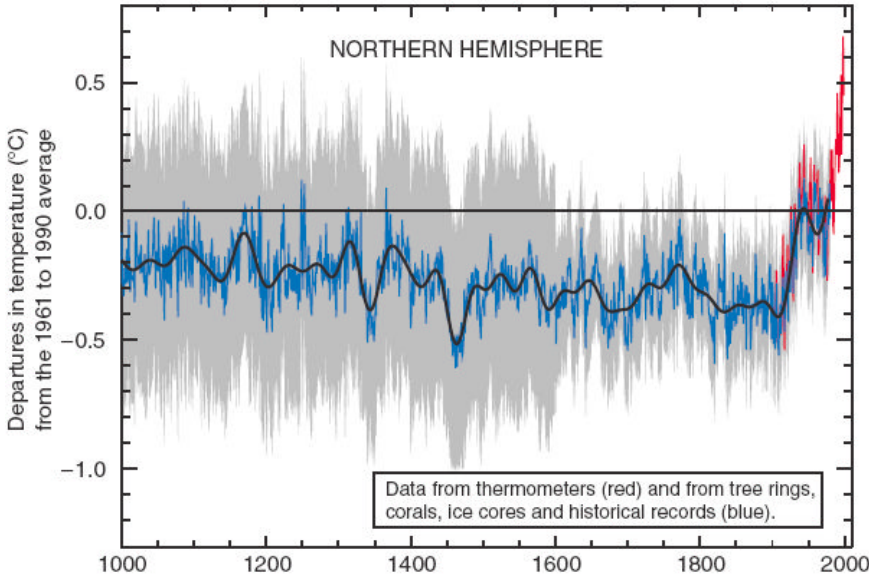
A recent audit, performed by 43 citizen auditors in 12 countries, concluded that almost half of the sources relied on in Fourth Assessment Report lacked any peer-review, directly refuting claims by the IPCC, and its Chairman, that all of the studies used or relied on in the Fourth Assessment Report were subject to peer-review. Using an elementary school grade system, the auditors summarized their findings:

> …21 out of 44 chapters contain so few peer-reviewed references that the IPCC received an F. The IPCC relied on peer-reviewed literature less than 60 percent of the time in these chapters. 5,587 references in the IPCC report were not peer-reviewed. Among these documents are press releases, newspaper and magazine articles, discussion papers, MA and PhD theses, working papers, and advocacy literature published by environmental groups. [emphasis in original.] (NoConsensus.org 2010.)

Disagreements Regarding Temperature Changes

Figure 6 below shows a reproduction of a temperature graph originally popularized by climatologists Michael Mann, Raymond Bradley, and Malcolm Hughes in 1998 (Mann et al. 1998). The figure shows that temperatures are relatively stable until 1900, when the temperature increases rapidly. The graph has been used in some form by the IPCC in the Third and Fourth Assessment Reports.

Figure 6: Historical Temperature Changes



Source: Intergovernmental Panel on Climate Change, 2001.

In 2003, Stephen McIntyre and Ross McKitrick published "Corrections to the Mann et al. (1998) Proxy Data Base and Northern Hemisphere Average Temperature Series" in the journal Energy and

Environment, Vol. 14, No. 6, Pgs. 751-772, raising concerns about their ability to reproduce the results of Mann's study. The IPCC, in response to this study, contended that this was a consequence of differences in the way McIntyre and McKitrick implemented the methods of Mann's study and that the original reconstruction could be closely duplicated using the original proxy data. In 2004, Mann et al. published a corrigendum to their 1998 article, correcting a number of mistakes in the online supplementary information that accompanied their article but leaving the actual results unchanged. In 2005, McKitrick again tested the work of Mann et al. He commented on the faults of their findings:

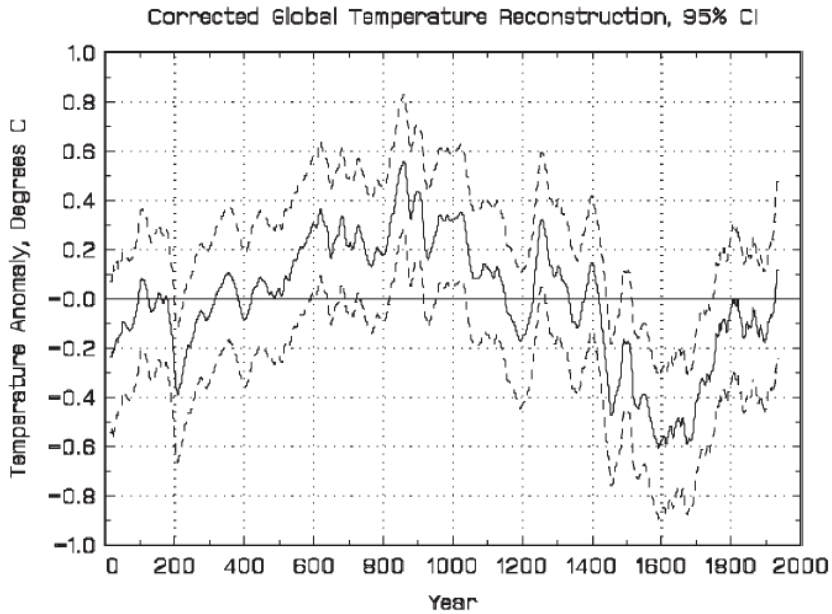
> The Mann multiproxy data, when correctly handled, shows the 20th century climate to be unexceptional compared to earlier centuries. This result is fully in line with the borehole evidence. (McKitrick 2005).

Hans von Storch, a German climate scientist, claimed that the methods used by Mann et al. probably underestimated the temperature fluctuations in the past by a factor of two or more (Von Storch et al. 2004). In its Fourth Assessment Report, the IPCC defended Mann et al. and reported that "the extent of any such biases in specific reconstructions... is uncertain ... It is very unlikely, however, that any bias would be as large as the factor of two suggested by Von Storch et al."

In 2006, a team of statisticians led by Edward Wegman, chair of the National Academy of Sciences' Committee on Applied and Theoretical Statistics, was assembled at the request of U.S. Representative Joe Barton and U.S. Representative Ed Whitfield. The report (Wegman 2006) primarily focused on the statistical analysis used by Mann et al., and also considered the personal and professional relationships between Mann et al. and other members of the paleoclimate community. Findings of this report (commonly known as the "Wegman Report") included the following: the Mann et al. reports were "obscure"; the criticisms by McIntyre and McKitrick were "valid and compelling"; and the Mann et al. method creates the same shape even with random data.

While many journals and reports have relied on temperature data collected from weather stations, others have relied on data gathered from tree-rings. In "2000-Year Global Temperature Reconstruction Based on Non-Tree-ring Proxies," scientist Craig Loehle examined ways of finding historical data without use of tree-rings. According to Loehle, there are two main reasons for not using tree-ring data for long-term temperature reconstruction: (1) tree-rings may not respond in a linear fashion to temperature; and (2) there is no agreed upon method for calibrating the tree series - a method used to select the "best" trees that track the temperature (which is also subject to manipulation) - against temperature. After plotting the data, the temperature reconstruction does not match the temperature graph published by Mann et al. but shows significant variation over a period of about 2,000 years. In 2008, Loehle published a correction, which noted that a few errors were made in the preceding analysis, but also found that the new results mirrored those from the original study. Figure 7 is from the 2008 correction.

Figure 7: Temperature Changes over Time - Loehle



Source: Loehle, 2008.

Loehle's work shows that there was a Medieval Warm Period and that once inaccurate data acquired through tree-ring analysis, such as the data heavily relied on by Mann et al., is removed from the data set, the current period of warming is relatively unexceptional and mirrors previous variations.

Impact of Carbon Dioxide

Anthropogenic theorists believe that the science on carbon dioxide is clear and undisputed. However, some scientists and researchers indicate that further investigation is required before a link between carbon dioxide and global warming can be made.

According to a researcher, John Stubbles, characterization of carbon dioxide as the cause for any increase in global temperatures is problematic for several reasons (Stubbles 2008). First, carbon dioxide is a minor greenhouse, present at only 0.038 percent by volume, and as a result, there are too few carbon dioxide molecules to heat up the atmosphere. Second, water vapor is present at about ten times the carbon dioxide level and is a much more effective absorber of infrared than carbon dioxide. Third, water vapor forms into clouds, which play a major role in reflecting incoming solar radiation and absorbing outgoing infrared like greenhouse gases. Finally, there are other ways that energy is dissipated besides infrared reflection, as carbon dioxide plays a very minor role in maintaining a thermal balance on Earth.

Other researchers have also shown that carbon dioxide's role in determining global temperature is unknown. According to one article (Chilingar et al. 2008); accumulation of carbon dioxide in large amounts may lead to global cooling. According to the authors, when the infrared radiation is absorbed by the molecules of greenhouse gases, its energy is transformed into thermal expansion of

air, which causes convective fluxes of air masses restoring the adiabatic distribution of temperature in the troposphere. Therefore, increases in carbon dioxide do not increase the global temperature of Earth's atmosphere. Two of the writers of this article also made a presentation in which they described the factors responsible for Earth's climate:

> (1) solar radiation as a dominant energy supplier to the atmosphere (and hydrosphere); (2) outgassing as a dominant gaseous matter supplier to the atmosphere; and (3) microbial activities at the interface of lithosphere and atmosphere. (Chilingar et al. 2007)

Some believe that reducing greenhouse gas emissions is premature and should not be done until better science exists. For example, if carbon dioxide is a cooling agent, reductions in its levels may lead to higher global temperatures.

Relationship between Global Temperature Increase and Natural Disasters

In its Fourth Assessment Report, the IPCC also claimed that global warming is increasing the severity and frequency of natural disasters, such as floods and hurricanes. The IPCC based this claim on an unpublished study by Robert Muir-Wood, which, at the time, had not been subjected to any peer review. Eventually, the study was published in 2008, but with the following disclaimer:

> We find insufficient evidence to claim a statistical relationship between global temperature increase and catastrophe losses (Leake 2010).

Muir-Wood himself has also been out-spoken about his findings, urging that a relationship between natural disasters and global warming has yet to be established:

> The idea that catastrophes are rising in cost partly because of climate change is completely misleading. We could not tell if it was just an association or cause and effect. Also, our study included 2004 and 2005, which was when there were some major hurricanes. If you took those years away then the significance of climate change vanished.

On January 25, the IPCC issued a statement, refuting the criticisms and alleging that the Fourth Assessment Report involves a "careful assessment of the available evidence" (IPCC 2010). However, the IPCC has done little to suggest that the numerous repetitions of the claim by world leaders have been inaccurate. There has also been no correction to the Fourth Assessment Report since Muir-Wood added the disclaimer to his report.

Thus, while California has made a public policy decision to reduce greenhouse gas emissions to 1990 levels by 2020, and to require the analysis of greenhouse gases in the context of CEQA, there is still significant debate within the scientific community about the causes of global warming, and the extent to which humanity or California can meaningfully impact climate change.

3.1.2 - Consequences of Climate Change

Consequences of Climate Change in California

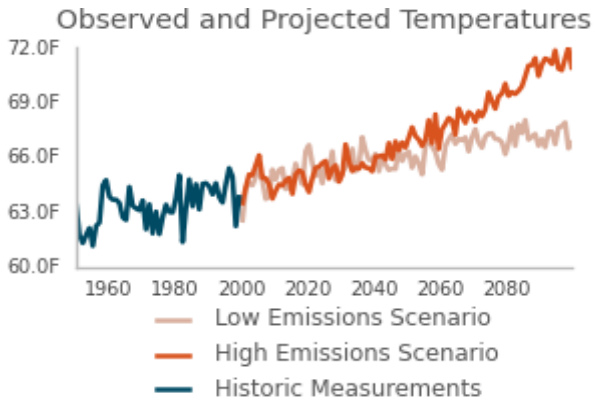
In California, climate change may result in consequences such as the following (from California Climate Change Center 2006 and Moser et al. 2009).

- **A reduction in the quality and supply of water from the Sierra snowpack.** If heat-trapping emissions continue unabated, more precipitation will fall as rain instead of snow, and the snow that does fall will melt earlier, reducing the Sierra Nevada spring snowpack by as much as 70 to 90 percent. This can lead to challenges in securing adequate water supplies. It can also lead to a potential reduction in hydropower.
- **Increased risk of large wildfires.** If rain increases as temperatures rise, wildfires in the grasslands and chaparral ecosystems of southern California are estimated to increase by approximately 30 percent toward the end of the 21st century because more winter rain will stimulate the growth of more plant "fuel" available to burn in the fall. In contrast, a hotter, drier climate could promote up to 90 percent more northern California fires by the end of the century by drying out and increasing the flammability of forest vegetation.
- **Reductions in the quality and quantity of certain agricultural products.** The crops and products likely to be adversely affected include wine grapes, fruit, nuts, and milk.
- **Exacerbation of air quality problems.** If temperatures rise to the medium warming range, there could be 75 to 85 percent more days with weather conducive to ozone formation in Los Angeles and the San Joaquin Valley, relative to today's conditions. This is more than twice the increase expected if rising temperatures remain in the lower warming range. This increase in air quality problems could result in an increase in asthma and other health-related problems.
- **A rise in sea levels resulting in the displacement of coastal businesses and residences.** During the past century, sea levels along California's coast have risen about seven inches. If emissions continue unabated and temperatures rise into the higher anticipated warming range, sea level is expected to rise an additional 22 to 35 inches by the end of the century. Elevations of this magnitude would inundate coastal areas with salt water, accelerate coastal erosion, threaten vital levees and inland water systems, and disrupt wetlands and natural habitats.
- **An increase temperature and extreme weather events.** Climate change is expected to lead to increases in the frequency, intensity, and duration of extreme heat events and heat waves in California. More heat waves can exacerbate chronic disease or heat-related illness.
- **A decrease in the health and productivity of California's forests.** Climate change can cause an increase in wildfires, an enhanced insect population, and establishment of non-native species.

Consequences of Climate Change in Moreno Valley

Figure 8 displays a chart of measured historical and projected annual average temperatures in the Moreno Valley area. As shown in the figure, temperatures are expected to rise in the low and high greenhouse gas emissions scenarios. The data used in this graph is not from the studies referenced above that are questionable.

Figure 8: Observed and Projected Temperatures from Climate Change in Moreno Valley



Source: CalAdapt 2012, using data from Maurer et al. 2002 and California Energy Commission, 2008

Reduction in Water Supply

A vast network of man-made reservoirs and aqueducts captures and transports water throughout the state from northern California rivers and the Colorado River. The current distribution system relies on Sierra Nevada snowpack to supply water during the dry spring and summer months. Rising temperatures, potentially compounded by decreases in precipitation, could severely reduce spring snowpack, increasing the risk of summer water shortages.

One of the major impacts of climate change is a loss of natural snowpack, particularly the Sierra Nevada snowpack. Snowmelt provides an annual average of 15 million acre-feet of water, released between April and July each year (Department of Water Resources 2008). The California Department of Water Resources projects that the Sierra snowpack will experience a 25 to 40 percent reduction from its historic average by 2050. Climate change is also anticipated to bring warmer storms that result in less snowfall at lower elevations, reducing the total snowpack.

Water for the project would be provided by the Eastern Municipal Water Department (EMWD). A Water Supply Assessment for the project was prepared by the EMWD in 2012. The EMWD determined that it will be able to provide adequate water supply to meet the potable water demand for this project as part of its existing and future demands.

The EMWD 2010 Urban Water Management Plan considered the impact of climate change on water supplies as part of its long term strategic planning. One of the outcomes of climate change could be

more frequent limitations on imported supplies. To limit the impact of climate change, EMWD's long term planning focuses on the development of reliable local recourses and the implementation of water use efficiency. This includes the full utilization of recycled water and the recharge of local groundwater basins to increase supply reliability during periods of water shortage. EMWD is also focused on reducing demand for water supplies, especially outdoors. Increasing the use of local resource and reducing the need for imported water has the duel benefit of not only improving water quality reliability, but reducing the energy required to import water to EMWD's service area?

Increased Wildfires

Climate change could result in increased wildfires, as discussed in the following excerpts from a paper published by the California Climate Change Center (2006) and a paper sponsored by the California Energy Commission (Moser et al. 2009).

> In recent years, wildfires have increased in frequency, duration and size. The forested area burned in the western United States from 1987 to 2003 is 6.7 times the area burned from 1970 to 1986. A century of fire suppression has lead to increased forest densities and accumulation of fuel wood that can result in more severe fires when this excess buildup of fuel is ignited. However, warmer temperatures and longer dry seasons are the main reasons for the increasing trend in forest wildfire risk. Reduced winter precipitation and early spring snowmelt deplete the moisture in soils and vegetation, leading to longer growing seasons and drought. These increasingly dry conditions provide more favorable conditions for ignition. In addition, higher temperatures increase evaporative water loss from vegetation, increasing the risk of rapidly spreading and large fires. In the last three decades the wildfire season in the western United States has increased by 78 days, and burn durations of fires greater than 1000 hectare in area have increased from 7.5 to 37.1 days, in response to a spring-summer warming of 33.6°F. Forests at mid-elevations are at a greater risk for wildfire than lower or higher elevational bands. At high elevations, the conditions are less favorable for wildfires because even if the dry season is longer, it is still relatively short and is more protected from the drying effects of the higher temperatures.
>
> Fire is an important ecosystem disturbance. It promotes vegetation and wildlife diversity, releases nutrients into the soil, and eliminates heavy accumulation of underbrush that can fuel catastrophic fires. However, if temperatures rise into the predicted medium warming range, the risk of large wildfires in California could increase by as much as 55 percent, which is almost twice the increase expected if temperatures stay in the lower warming range.
>
> Because wildfire risk is determined by a combination of factors including precipitation, winds, temperature, and landscape and vegetation conditions, future risks will not be uniform throughout the state. In many regions, wildfire activity will depend critically on future precipitation patterns. For example, if precipitation increases as temperatures rise, wildfires in the grasslands and chaparral ecosystems of southern California are expected to increase by

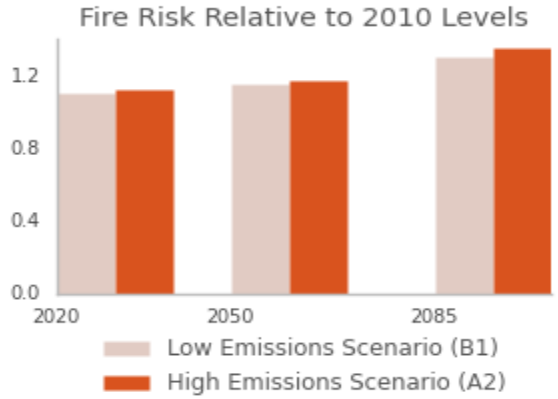
> approximately 30 percent toward the end of the century because more winter rain will stimulate the growth of more plant "fuel" available to burn in the fall. In contrast, a hotter, drier climate could promote up to 90 percent more northern California fires by the end of the century by drying out and increasing the flammability of forest vegetation.

Wildfire occurrence in California was modeled by climate change scientists under a range of future climate and development scenarios:

> Substantial increases in wildfire are anticipated for most scenarios, although the range of outcomes is large and increases with time. The increase in wildfire area burned associated with the higher emissions pathway (SRES A2) is substantial, with increases statewide ranging from 57 percent to 169 percent by 2085, and increases exceeding 100 percent in most of the forest areas of Northern California in every SRES A2 scenario by 2085" (Westerling et al. 2009).

Figure 9 displays the fire risk in Moreno Valley relative to 2010 levels. The data in this climate tool display the projected increase in potential area burned given three different 30-year averaging period ending in 2020, 2050, and 2085 and two different scenarios (A2, B1). The data is modeled solely on climate projections and do not take landscape and fuel sources into account (there is very little combustible material in the project area). The data modeled the ratio of additional fire risk for an area as compared to the expected burned area. As shown in Figure 8, the fire risk is expected to increase in the project area.

Figure 9: Fire Risk Increase from Climate Change in Moreno Valley Relative to 2010 Levels



Source: CalAdapt 2012, using data from Westerling and Bryant 2008.

According to the California Department of Forestry and Fire Protection (2010), in 2009, there were 8,291 fires in California with 93,296 acres burned. In 2008, there were 5,744 fires with 390,615 acres burned. Climate change is predicted to increase the threat of wildfires in the project area.

Sea Level Rise

The project is not located near the coastal area and is of sufficient elevation to not be impacted by rising sea levels.

Flooding

As precipitation falls in the form of rain rather than snow with greater storm intensity, high frequency flood events are projected to increase. Changes in soil moisture and watershed vegetation will change runoff and recharge patterns. Increased impermeable surfaces also contribute to more floods. Potential increases in wildfires due to climate change would increase floods following fire. For the purposes of federal flood insurance, the Federal Emergency Management Agency has traditionally used the 100-year flood event, which refers to the level of flood flows that has a one-percent chance of being exceeded in any single year. As California's hydrology changes, what is currently considered a 100-year flood may strike more often, leaving many communities at greater risk. Moreover, as peak flows and precipitation change over time, climate change calls into question assumptions of "stationarity" that is used in flood-related statistical analyses like the 100-year flood. The California Department of Water Resources (2008) encourages planners to factor a new level of safety into the design, operation, and regulation of flood protection facilities such as dams, floodways, bypasses and levees, as well as the design of local sewers and storm drains.

The California Department of Water Resources (2008) recommends the following to adapt to increases in flooding:

- Local land use agencies should update General Plans to address increased flood risks posed by climate change. General Plans should consider an appropriate risk tolerance and planning horizon for each locality.
- Local governments should site new development outside of undeveloped floodplains unless the floodplain has at least a sustainable, 200-year level of flood protection.
- Local governments should use low-impact development techniques to infiltrate and store runoff.
- Local governments should include flood-resistant design requirements in local building codes. State, federal, and local agencies should develop conjunctive use management plans that integrate floodplain management, groundwater banking, and surface storage. Such plans could help facilitate system re-operation and provide a framework for the development of local projects that are beneficial across regions.
- Local land use agencies should adopt ordinances that protect the natural functioning of groundwater recharge areas.

3.2 - Greenhouse Gases

Gases that trap heat in the atmosphere are referred to as greenhouse gases. The effect is analogous to the way a greenhouse retains heat. Common greenhouse gases include water vapor, carbon dioxide, methane, nitrous oxides, chlorofluorocarbons, hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, ozone, and aerosols. Natural processes and human activities emit greenhouse gases. The presence of greenhouse gases in the atmosphere affects the earth's temperature. Many scientists believe that emissions from human activities, such as electricity production and vehicle use, have elevated the concentration of these gases in the atmosphere beyond the level of naturally occurring concentrations.

Climate change is driven by forcings and feedbacks. Radiative forcing is the difference between the incoming energy and outgoing energy in the climate system. Positive forcing tends to warm the surface while negative forcing tends to cool it. Radiative forcing values are typically expressed in watts per square meter. A feedback is a climate process that can strengthen or weaken a forcing. For example, when ice or snow melts, it reveals darker land underneath which absorbs more radiation and causes more warming. The global warming potential is the potential of a gas or aerosol to trap heat in the atmosphere. The global warming potential of a gas is essentially a measurement of the radiative forcing of a greenhouse gas compared with the reference gas, carbon dioxide.

In order to attempt to quantify the impact of greenhouse gases, the gases are assigned global warming potentials. Individual greenhouse gas compounds have varying global warming potential and atmospheric lifetimes. Carbon dioxide, the reference gas for global warming potential, has a global warming potential of one. The global warming potential of a greenhouse gas is a measure of how much a given mass of a greenhouse gas is estimated to contribute to global warming. To describe how much global warming a given type and amount of greenhouse gas may cause, the carbon dioxide equivalent is used. The calculation of the carbon dioxide equivalent is a consistent methodology for comparing greenhouse gas emissions since it normalizes various greenhouse gas emissions to a consistent reference gas, carbon dioxide. For example, methane's warming potential of 21 indicates that methane has 21 times greater warming affect than carbon dioxide on a molecule per molecule basis. A carbon dioxide equivalent is the mass emissions of an individual greenhouse gas multiplied by its global warming potential.

Greenhouse gases defined by Assembly Bill (AB) 32 (see the Climate Change Regulatory Environment section for a description) include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. These greenhouse gases are described in Table 8.

Table 8: Description of Greenhouse Gases

Greenhouse Gas	Description and Physical Properties	Sources
Nitrous oxide	Nitrous oxide (laughing gas) is a colorless greenhouse gas. It has a lifetime of 114 years. Its global warming potential is 310.	Microbial processes in soil and water, fuel combustion, and industrial processes.
Methane	Methane is a flammable gas and is the main component of natural gas. It has a lifetime of 12 years. Its global warming potential is 21.	Methane is extracted from geological deposits (natural gas fields). Other sources are landfills, fermentation of manure, and decay of organic matter.
Carbon dioxide	Carbon dioxide (CO_2) is an odorless, colorless, natural greenhouse gas. Carbon dioxide's global warming potential is 1. The concentration in 2005 was 379 parts per million (ppm), which is an increase of about 1.4 ppm per year since 1960.	Natural sources include decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic sources are from burning coal, oil, natural gas, and wood.
Chloro-fluorocarbons	These are gases formed synthetically by replacing all hydrogen atoms in methane or ethane with chlorine and/or fluorine atoms. They are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the earth's surface). Global warming potentials range from 3,800 to 8,100.	Chlorofluorocarbons were synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. They destroy stratospheric ozone. The Montreal Protocol on Substances that Deplete the Ozone Layer prohibited their production in 1987.
Hydro-fluorocarbons	Hydrofluorocarbons are a group of greenhouse gases containing carbon, chlorine, and at least one hydrogen atom. Global warming potentials range from 140 to 11,700.	Hydrofluorocarbons are synthetic manmade chemicals used as a substitute for chlorofluorocarbons in applications such as automobile air conditioners and refrigerants.
Perfluorocarbons	Perfluorocarbons have stable molecular structures and only break down by ultraviolet rays about 60 kilometers above Earth's surface. Because of this, they have long lifetimes, between 10,000 and 50,000 years. Global warming potentials range from 6,500 to 9,200.	Two main sources of perfluorocarbons are primary aluminum production and semiconductor manufacturing.
Sulfur hexafluoride	Sulfur hexafluoride is an inorganic, odorless, colorless, and nontoxic, nonflammable gas. It has a lifetime of 3,200 years. It has a high global warming potential, 23,900.	This gas is manmade and used for insulation in electric power transmission equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas.
Sources: Compiled from a variety of sources, primarily Intergovernmental Panel on Climate Change 2007a and Intergovernmental Panel on Climate Change 2007b.		

Other greenhouse gases include water vapor, ozone, and aerosols. Water vapor is an important component of our climate system and is not regulated. Ozone and aerosols are short-lived greenhouse gases; global warming potentials for short-lived greenhouse gases are not defined by the IPCC. Aerosols can remain suspended in the atmosphere for about a week and can warm the atmosphere by

absorbing heat and cool the atmosphere by reflecting light. Black carbon is a type of aerosol that can also cause warming from deposition on snow.

Black Carbon

Black carbon contributes to temperature changes. However, as discussed in the following excerpt, (Wilson and Walter 2012), the procedures to quantify these changes have not been widely accepted or thoroughly researched. The project would emit black carbon through emissions of diesel PM during construction and operation. If black carbon were included in the analysis, the greenhouse gas emissions may be greater.

> Black carbon is formed by incomplete combustion of fossil fuels, biofuels, and biomass. Sources of black carbon within a jurisdiction may include exhaust from diesel trucks, vehicles, and equipment, as well as smoke from biogenic combustion. Biogenic combustion sources of black carbon include the burning of biofuels used for transportation, the burning of biomass for electricity generation and heating, prescribed burning of agricultural residue, and natural and unnatural wildfires. Black carbon is not a gas but an aerosol—particles or liquid droplets suspended in air. Black carbon only remains in the atmosphere for days to weeks, as opposed to other greenhouse gases that can remain in the atmosphere for years. Black carbon can be deposited on snow, where it absorbs sunlight, reduces sunlight reflectivity, and hastens snowmelt. Direct effects include absorbing incoming and outgoing radiation; indirectly, black carbon can also affect cloud reflectivity, precipitation, and surface dimming (cooling).
>
> Most greenhouse gases have an assigned global warming potential, or a measure of how much a given mass of a greenhouse gas is estimated to contribute to global warming. Carbon dioxide, the reference gas for global warming potential, has a global warming potential of 1. Methane's global warming potential of 21 indicates that it has 21 times greater warming effect than carbon dioxide. However, black carbon as of yet does not have consensus global warming potential. As a result, few GHG inventories have included black carbon to date, and the US EPA has not included black carbon in its most recent GHG inventory.
>
> The overall uncertainty of the net radiative forcing (warming influence) by black carbon is largely due to physical complexity and the changes in cloud properties that may offset the positive forcing. A wealth of recent scientific research has been conducted on black carbon, as summarized in the Integrated Assessment of Black Carbon and Tropospheric Ozone, which found a wide range of global warming potential estimates for black carbon (between 200 and 1,500) measured over 100 years and higher levels over shorter periods. Globally averaged net forcing of black carbon is likely to be positive, with some estimates that it could approach 30 to 40 percent of that of carbon dioxide. Research on black carbon in the United States has picked up speed within the last year. As a result of legislation requiring the EPA to conduct an analysis of black carbon, the EPA prepared a draft report, and the Advisory Council on Clean Air Compliance Analysis submitted a review of the report. The EPA

awarded $6.6 million in grants to eight universities for black carbon research, specifically for an "increased understanding of the impact black carbon has on climate change."

The EPA is planning to reduce black carbon emissions in the Arctic by assessing sources, developing an emissions inventory, implementing projects to reduce black carbon from diesel, and establishing policy recommendations and financing options for reducing black carbon diesel sources. Some bodies, such as the American National Standards Institute, have called for updating inventory protocols to include black carbon. Locally in California, the three largest regional air pollution control agencies have not developed policies or programs for addressing black carbon. The South Coast Air Quality Management District does not currently recommend analyzing the effects of black carbon in California Environmental Quality Act documents based on limited data availability. The San Joaquin Valley Unified Air Pollution Control District does not currently have recommendations. The Bay Area Air Quality Management District does not identify aerosols or black carbon as a GHG of concern in its guidelines.

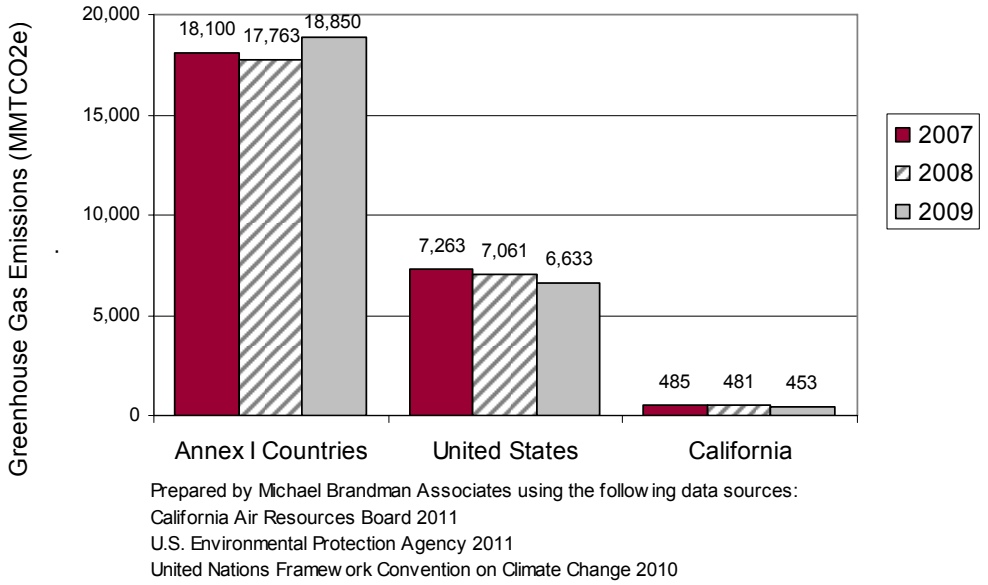
Health Effects

Although there could be health effects resulting from changes in the climate and the consequences that can bring about, inhalation of greenhouse gases at levels currently in the atmosphere would not result in adverse health effects, with the exception of ozone and aerosols (particulate matter). The potential health effects of ozone and particulate matter are discussed in criteria pollutant analyses. At very high indoor concentrations (not at levels existing outside), carbon dioxide, methane, sulfur hexafluoride, and some chlorofluorocarbons can cause suffocation as the gases can displace oxygen (Centers for Disease Control and Prevention 2010, Occupational Safety and Health Administration 2003).

3.3 - Emissions Inventories

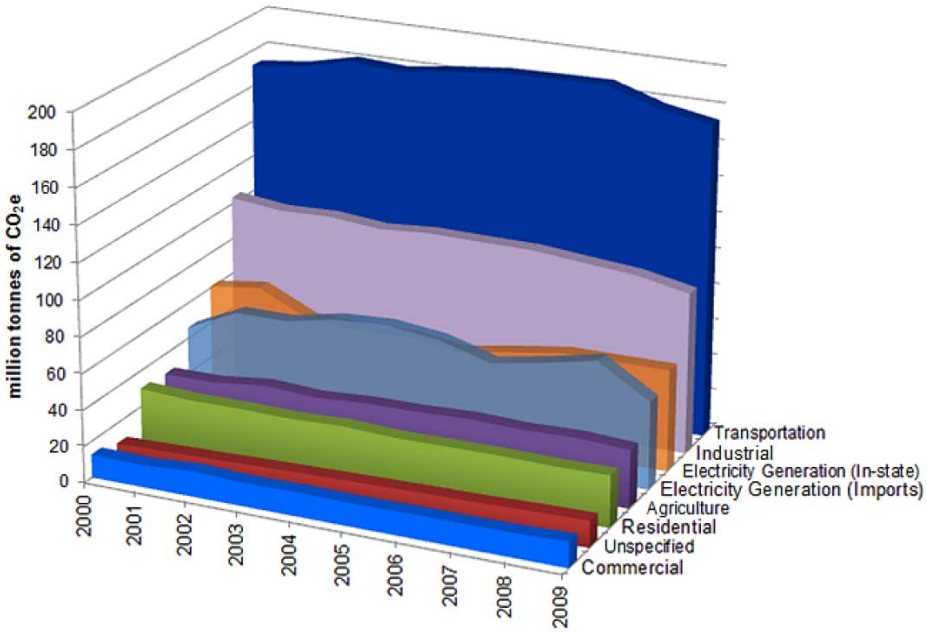
Emissions worldwide were approximately 49,000 million metric tons of carbon dioxide equivalents ($MMTCO_2e$) in 2004 (Intergovernmental Panel on Climate Change 2007b). Greenhouse gas emissions in 2007, 2008, and 2009 are shown in Figure 10. Annex I parties refer to countries that joined the United Nations Framework Convention on Climate Change.

Figure 10: Greenhouse Gas Emissions Trends



As shown in Figure 11, the main contribution of greenhouse gas emissions in California between the year 2000 and 2009 was transportation. The second highest sector was industrial, which includes sources from refineries, general fuel use, oil and gas extraction, cement plants, and cogeneration heat output.

Figure 11: Greenhouse Gas Emission Trends by Sector in California



Source: California Resources Board, 2011.

The City of Moreno Valley estimated emissions for the community for 2007 and 2010 and projected emissions for 2020 are shown in Table 9. As shown in the table, the reduced 2020 emissions are below the reduction target.

Table 9: City of Moreno Valley Projected Greenhouse Gas Emissions

Source Category	Moreno Valley Greenhouse Gas Emissions ($MTCO_2e$ per year)			
	2007	2010	BAU 2020	Reduced 2020
Transportation	517,098	513,581	788,267	421,561
Energy	287,261	277,230	356,192	251,372
Area	69,390	69,437	84,665	73,046
Water and Wastewater	21,595	16,831	20,216	14,158
Solid Waste	44,294	43,633	49,203	38,000
Total	**939,638**	**920,712**	**1,298,543**	**798,137**
Reduction Target	—	—	**798,693**	**798,693**

Notes:
$MTCO_2e$ = metric tons of carbon dioxide equivalents BAU = business as usual
Source: City of Moreno Valley Greenhouse Gas Analysis, 2012.

3.4 - Regulatory Environment

3.4.1 - International

Climate change is a global issue involving greenhouse gas emissions from all around the world; therefore, countries such as the ones discussed below have made an effort to reduce greenhouse gases.

Intergovernmental Panel on Climate Change. In 1988, the United Nations and the World Meteorological Organization established the Intergovernmental Panel on Climate Change to assess the scientific, technical and socio-economic information relevant to understanding the scientific basis of risk of human-induced climate change, its potential impacts, and options for adaptation and mitigation.

United Nations Framework Convention on Climate Change. On March 21, 1994, the United States joined a number of countries around the world in signing the United Nations Framework Convention on Climate Change (Convention). Under the Convention, governments gather and share information on greenhouse gas emissions, national policies, and best practices; launch national strategies for addressing greenhouse gas emissions and adapting to expected impacts, including the provision of financial and technological support to developing countries; and cooperate in preparing for adaptation to the impacts of climate change.

Kyoto Protocol. The Kyoto Protocol is an international agreement linked to the United Nations Framework Convention on Climate Change. The major feature of the Kyoto Protocol is that it sets

binding targets for 37 industrialized countries and the European community for reducing greenhouse gas emissions at average of five per cent against 1990 levels over the five-year period 2008-2012. The Convention (discussed above) encouraged industrialized countries to stabilize emissions; however, the Protocol commits them to do so. Developed countries have contributed more emissions over the last 150 years; therefore, the Protocol places a heavier burden on developed nations under the principle of "common but differentiated responsibilities."

The United States has not entered into force of the Kyoto Protocol. However, other countries have entered, such as Australia, Canada, China, the European Union (Belgium, Denmark, Germany, the Hellenic Republic, Spain, France, Ireland, Italy, Luxembourg, Netherlands, Austria, Portugal, Finland, Sweden, Great Britain, and Northern Ireland), Japan, Mexico, and New Zealand.

3.4.2 - National

Prior to the last decade, there have been no concrete federal regulations of greenhouse gases or major planning for climate change adaptation. The following are actions regarding the federal government, greenhouse gases, and fuel efficiency.

Greenhouse Gas Endangerment. *Massachusetts v. EPA* (Supreme Court Case 05-1120) was argued before the United States Supreme Court on November 29, 2006, in which it was petitioned that the EPA regulate four greenhouse gases, including carbon dioxide, under Section 202(a)(1) of the Clean Air Act. A decision was made on April 2, 2007, in which the Supreme Court found that greenhouse gases are air pollutants covered by the Clean Air Act. The Court held that the Administrator must determine whether emissions of greenhouse gases from new motor vehicles cause or contribute to air pollution, which may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision. On December 7, 2009, the EPA Administrator signed two distinct findings regarding greenhouse gases under section 202(a) of the Clean Air Act:

- Endangerment Finding: The Administrator finds that the current and projected concentrations of the six key well-mixed greenhouse gases—carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride—in the atmosphere threaten the public health and welfare of current and future generations.
- Cause or Contribute Finding: The Administrator finds that the combined emissions of these well-mixed greenhouse gases from new motor vehicles and new motor vehicle engines contribute to the greenhouse gas pollution, which threatens public health and welfare.

These findings do not impose requirements on industry or other entities. However, this was a prerequisite for implementing greenhouse gas emissions standards for vehicles, as discussed in the section "Clean Vehicles" below.

The EPA denied ten petitions for Reconsideration of the Endangerment and Cause or Contribute Findings in 2010. Some of the petitioners included the Ohio Coal Association, Peabody Energy Company, and the State of Texas.

In September 2011, the EPA Office of Inspector General evaluated the EPA's compliance with established policy and procedures in the development of the endangerment finding, including processes for ensuring information quality. The evaluation concluded that the technical support document should have had more rigorous EPA peer review.

In June 2012, a federal appeals court rejected a lawsuit by thirteen states against the EPA. The suit alleged that the EPA violated the law by relying almost exclusively on data from the United Nations Intergovernmental Panel on Climate Change rather than doing its own research or testing data according to federal standards. The states include Virginia, Texas, Alabama, Florida, Hawaii, Indiana, Kentucky, Louisiana, Mississippi, Nebraska, North Dakota, Oklahoma, South Carolina, South Dakota, and Utah. Virginia intends to petition the Supreme Court to review the case.

Clean Vehicles. Congress first passed the Corporate Average Fuel Economy law in 1975 to increase the fuel economy of cars and light duty trucks. The law has become more stringent over time. On May 19, 2009, President Obama put in motion a new national policy to increase fuel economy for all new cars and trucks sold in the United States. On April 1, 2010, the EPA and the Department of Transportation's National Highway Safety Administration announced a joint final rule establishing a national program that would reduce greenhouse gas emissions and improve fuel economy for new cars and trucks sold in the United States.

The first phase of the national program would apply to passenger cars, light-duty trucks, and medium-duty passenger vehicles, covering model years 2012 through 2016. They require these vehicles to meet an estimated combined average emissions level of 250 grams of carbon dioxide per mile, equivalent to 35.5 miles per gallon if the automobile industry were to meet this carbon dioxide level solely through fuel economy improvements. Together, these standards would cut carbon dioxide emissions by an estimated 960 million metric tons and 1.8 billion barrels of oil over the lifetime of the vehicles sold under the program (model years 2012-2016). The EPA and the National Highway Safety Administration are working on a second-phase joint rulemaking to establish national standards for light-duty vehicles for model years 2017 and beyond.

On October 25, 2010, the EPA and the U.S. Department of Transportation proposed the first national standards to reduce greenhouse gas emissions and improve fuel efficiency of heavy-duty trucks and buses. For combination tractors, the agencies are proposing engine and vehicle standards that begin in the 2014 model year and achieve up to a 20 percent reduction in carbon dioxide emissions and fuel consumption by the 2018 model year. For heavy-duty pickup trucks and vans, the agencies are proposing separate gasoline and diesel truck standards, which phase in starting in the 2014 model year and achieve up to a 10 percent reduction for gasoline vehicles and 15 percent reduction for diesel

vehicles by 2018 model year (12 and 17 percent respectively if accounting for air conditioning leakage). Lastly, for vocational vehicles, the agencies are proposing engine and vehicle standards starting in the 2014 model year, which would achieve up to a 10 percent reduction in fuel consumption and carbon dioxide emissions by 2018 model year.

Mandatory Reporting of Greenhouse Gases. The Consolidated Appropriations Act of 2008, passed in December 2007, requires the establishment of mandatory greenhouse gas reporting requirements. On September 22, 2009, the EPA issued the Final Mandatory Reporting of Greenhouse Gases Rule. The rule requires reporting of greenhouse gas emissions from large sources and suppliers in the United States, and is intended to collect accurate and timely emissions data to inform future policy decisions. Under the rule, suppliers of fossil fuels or industrial greenhouse gases, manufacturers of vehicles and engines, and facilities that emit 25,000 metric tons or more per year of greenhouse gas emissions are required to submit annual reports to the EPA. This rule does not apply to high cube logistics developers within the WLC project.

New Source Review. The EPA issued a final rule on May 13, 2010 that establishes thresholds for greenhouse gases that define when permits under the New Source Review Prevention of Significant Deterioration and Title V Operating Permit programs are required for new and existing industrial facilities. This final rule "tailors" the requirements of these Clean Air Act permitting programs to limit which facilities will be required to obtain Prevention of Significant Deterioration and Title V permits. In the preamble to the revisions to the federal code of regulations, EPA states:

> This rulemaking is necessary because without it the Prevention of Significant Deterioration and Title V requirements would apply, as of January 2, 2011, at the 100 or 250 tons per year levels provided under the Clean Air Act, greatly increasing the number of required permits, imposing undue costs on small sources, overwhelming the resources of permitting authorities, and severely impairing the functioning of the programs. EPA is relieving these resource burdens by phasing in the applicability of these programs to greenhouse gas sources, starting with the largest greenhouse gas emitters. This rule establishes two initial steps of the phase-in. The rule also commits the agency to take certain actions on future steps addressing smaller sources, but excludes certain smaller sources from Prevention of Significant Deterioration and Title V permitting for greenhouse gas emissions until at least April 30, 2016.

EPA estimates that facilities responsible for nearly 70 percent of the national greenhouse gas emissions from stationary sources will be subject to permitting requirements under this rule. This includes the nation's largest greenhouse gas emitters—power plants, refineries, and cement production facilities.

Standards of Performance for Greenhouse Gas Emissions for New Stationary Sources: Electric Utility Generating Units. As required by a settlement agreement, the EPA proposed new

performance standards for emissions of carbon dioxide for new affected fossil fuel-fired electric utility generating units on March 27, 2012. New sources greater than 25 megawatt would be required to meet an output based standard of 1,000 pounds of carbon dioxide per megawatt-hour, based on the performance of widely used natural gas combined cycle technology.

Cap and Trade. Cap and trade refers to a policy tool where emissions are limited to a certain amount and can be traded, or provides flexibility on how the emitter can comply. Successful examples in the United States include the Acid Rain Program and the NO_X Budget Trading Program in the northeast. There is no federal cap and trade program currently; and no pending legislation exists to establish a cap and trade program, other than the AB 32 cap and trade program that applies to select sources (not the project).

3.4.3 - California

Title 24 and California Green Building Standards. Although these regulations are not specifically enacted to reduce greenhouse gases, they increase energy efficiency for new buildings, thus indirectly reducing greenhouse gas emissions. For a description, refer to Section 1.5, Standard Conditions, in this report.

Pavley Regulations and Fuel Efficiency Standards. California AB 1493, enacted on July 22, 2002, required the ARB to develop and adopt regulations that reduce greenhouse gases emitted by passenger vehicles and light duty trucks. The regulation was stalled by automaker lawsuits and by the EPA's denial of an implementation waiver. On January 21, 2009, the ARB requested that the EPA reconsider its previous waiver denial. On January 26, 2009, President Obama directed that the EPA assess whether the denial of the waiver was appropriate. On June 30, 2009, the EPA granted the waiver request. On September 8, 2009, the U.S. Chamber of Commerce and the National Automobile Dealers Association sued EPA to challenge its granting of the waiver to California for its standards. California assisted EPA in defending the waiver decision. The U.S. District Court for the District of Columbia denied the Chamber's petition on April 29, 2011.

The standards phase in during the 2009 through 2016 model years. When fully phased in, the near term (2009-2012) standards will result in about a 22-percent reduction compared with the 2002 fleet, and the mid-term (2013-2016) standards will result in about a 30 percent reduction. Several technologies stand out as providing significant reductions in emissions at favorable costs. These include discrete variable valve lift or camless valve actuation to optimize valve operation rather than relying on fixed valve timing and lift as has historically been done; turbocharging to boost power and allow for engine downsizing; improved multi-speed transmissions; and improved air conditioning systems that operate optimally, leak less, and/or use an alternative refrigerant.

Executive Order S-3-05. Former California Governor Arnold Schwarzenegger announced on June 1, 2005, through Executive Order S-3-05, the following reduction targets for greenhouse gas emissions:

- By 2010, reduce greenhouse gas emissions to 2000 levels.
- By 2020, reduce greenhouse gas emissions to 1990 levels.
- By 2050, reduce greenhouse gas emissions to 80 percent below 1990 levels.

The 2050 reduction goal represents what scientists believe is necessary to reach levels that will stabilize the climate. The 2020 goal was established to be an aggressive, but achievable, mid-term target. Because this is an executive order, the goals are not legally enforceable for local governments or the private sector.

Low Carbon Fuel Standard - Executive Order S-01-07. The Governor signed Executive Order S-01-07 on January 18, 2007. The order mandates that a statewide goal shall be established to reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020. In particular, the executive order established a Low Carbon Fuel Standard and directed the Secretary for Environmental Protection to coordinate the actions of the California Energy Commission, the ARB, the University of California, and other agencies to develop and propose protocols for measuring the "life-cycle carbon intensity" of transportation fuels. This analysis supporting development of the protocols was included in the State Implementation Plan for alternative fuels (State Alternative Fuels Plan adopted by California Energy Commission on December 24, 2007) and was submitted to ARB for consideration as an "early action" item under AB 32. The ARB adopted the Low Carbon Fuel Standard on April 23, 2009. The Low Carbon Fuel Standard was challenged in the United States District Court in Fresno in 2011. The court's ruling issued on December 29, 2011 included a preliminary injunction against ARB's implementation of the rule. The Ninth Circuit Court of Appeals stayed the injunction on April 23, 2012 pending final ruling on appeal, allowing the ARB to continue to implement and enforce the regulation.

SB 1368. In 2006, the State Legislature adopted Senate Bill (SB) 1368, which was subsequently signed into law by the Governor. SB 1368 directs the California Public Utilities Commission to adopt a performance standard for greenhouse gas emissions for the future power purchases of California utilities. SB 1368 seeks to limit carbon emissions associated with electrical energy consumed in California by forbidding procurement arrangements for energy longer than 5 years from resources that exceed the emissions of a relatively clean, combined cycle natural gas power plant. Because of the carbon content of its fuel source, a coal-fired plant cannot meet this standard because such plants emit roughly twice as much carbon as natural gas, combined cycle plants. Accordingly, the new law will effectively prevent California's utilities from investing in, otherwise financially supporting, or purchasing power from new coal plants located in or out of the State. Thus, SB 1368 will lead to dramatically lower greenhouse gas emissions associated with California's energy demand, as SB 1368 will effectively prohibit California utilities from purchasing power from out-of-state producers that cannot satisfy the performance standard for greenhouse gas emissions required by SB 1368. The California Public Utilities Commission adopted the regulations required by SB 1368 on August 29, 2007.

SB 97 and the CEQA Guidelines Update. Passed in August 2007, SB 97 added Section 21083.05 to the Public Resources Code. The code states "(a) On or before July 1, 2009, the Office of Planning and Research shall prepare, develop, and transmit to the Resources Agency guidelines for the mitigation of greenhouse gas emissions or the effects of greenhouse gas emissions as required by this division, including, but not limited to, effects associated with transportation or energy consumption. (b) On or before January 1, 2010, the Resources Agency shall certify and adopt guidelines prepared and developed by the Office of Planning and Research pursuant to subdivision (a)." Section 21097 was also added to the Public Resources Code. It provided CEQA protection until January 1, 2010 for transportation projects funded by the Highway Safety, Traffic Reduction, Air Quality, and Port Security Bond Act of 2006 or projects funded by the Disaster Preparedness and Flood Prevention Bond Act of 2006, in stating that the failure to analyze adequately the effects of greenhouse gases would not violate CEQA.

On April 13, 2009, the Office of Planning and Research submitted to the Secretary for Natural Resources its recommended amendments to the CEQA Guidelines for addressing greenhouse gas emissions. On July 3, 2009, the Natural Resources Agency commenced the Administrative Procedure Act rulemaking process for certifying and adopting these amendments pursuant to Public Resources Code section 21083.05. Following a 55-day public comment period and two public hearings, the Natural Resources Agency proposed revisions to the text of the proposed guidelines amendments. The Natural Resources Agency transmitted the adopted amendments and the entire rulemaking file to the Office of Administrative Law on December 31, 2009. On February 16, 2010, the Office of Administrative Law approved the Amendments, and filed them with the Secretary of State for inclusion in the California Code of Regulations. The Amendments became effective on March 18, 2010.

The CEQA Amendments provide guidance to public agencies regarding the analysis and mitigation of the effects of greenhouse gas emissions in CEQA documents. The CEQA Amendments fit within the existing CEQA framework by amending existing CEQA Guidelines to reference climate change.

A new section, CEQA Guidelines Section 15064.4, was added to assist agencies in determining the significance of greenhouse gas emissions. The new section allows agencies the discretion to determine whether a quantitative or qualitative analysis is best for a particular project. However, little guidance is offered on the crucial next step in this assessment process—how to determine whether the project's estimated greenhouse gas emissions are significant or cumulatively considerable.

Also amended were CEQA Guidelines Sections 15126.4 and 15130, which address mitigation measures and cumulative impacts respectively. Greenhouse gas mitigation measures are referenced in general terms, but no specific measures are championed. The revision to the cumulative impact discussion requirement (Section 15130) simply directs agencies to analyze greenhouse gas emissions in an EIR when a project's incremental contribution of emissions may be cumulatively considerable, however it does not answer the question of when emissions are cumulatively considerable.

Section 15183.5 permits programmatic greenhouse gas analysis and later project-specific tiering, as well as the preparation of Greenhouse Gas Reduction Plans. Compliance with such plans can support a determination that a project's cumulative effect is not cumulatively considerable, according to proposed Section 15183.5(b).

In addition, the amendments revised Appendix F of the CEQA Guidelines, which focuses on Energy Conservation. The sample environmental checklist in the CEQA Guideline's Appendix G was amended to include greenhouse gas questions.

AB 32. The California State Legislature enacted AB 32, the California Global Warming Solutions Act of 2006. AB 32 requires that greenhouse gases emitted in California be reduced to 1990 levels by the year 2020. "Greenhouse gases" as defined under AB 32 include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. ARB is the state agency charged with monitoring and regulating sources of greenhouse gases. AB 32 states the following:

> Global warming poses a serious threat to the economic well-being, public health, natural resources, and the environment of California. The potential adverse impacts of global warming include the exacerbation of air quality problems, a reduction in the quality and supply of water to the state from the Sierra snowpack, a rise in sea levels resulting in the displacement of thousands of coastal businesses and residences, damage to marine ecosystems and the natural environment, and an increase in the incidences of infectious diseases, asthma, and other human health-related problems.

The ARB Board approved the 1990 greenhouse gas emissions level of 427 million metric tons of carbon dioxide equivalent ($MMTCO_2e$) on December 6, 2007 (California Air Resources Board 2007). Therefore, emissions generated in California in 2020 are required to be equal to or less than 427 $MMTCO_2e$. Emissions in 2020 in a "business as usual" scenario are estimated to be 596 $MMTCO_2e$.

Under AB 32, the ARB published its Final Expanded List of Early Action Measures to Reduce Greenhouse Gas Emissions in California. Discrete early action measures are currently underway or are enforceable by January 1, 2010. The ARB has 44 early action measures that apply to the transportation, commercial, forestry, agriculture, cement, oil and gas, fire suppression, fuels, education, energy efficiency, electricity, and waste sectors. Of these early action measures, nine are considered discrete early action measures, as they are regulatory and enforceable by January 1, 2010. The ARB estimates that the 44 recommendations are expected to result in reductions of at least 42 $MMTCO_2e$ by 2020, representing approximately 25 percent of the 2020 target.

The ARB's Climate Change Scoping Plan (Scoping Plan) contains measures designed to reduce the State's emissions to 1990 levels by the year 2020 (California Air Resources Board 2008). The Scoping Plan identifies recommended measures for multiple greenhouse gas emission sectors and the associated emission reductions needed to achieve the year 2020 emissions target—each sector has a

different emission reduction target. Most of the measures target the transportation and electricity sectors. As stated in the Scoping Plan, the key elements of the strategy for achieving the 2020 greenhouse gas target include:

- Expanding and strengthening existing energy efficiency programs as well as building and appliance standards;
- Achieving a statewide renewables energy mix of 33 percent;
- Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system;
- Establishing targets for transportation-related greenhouse gas emissions for regions throughout California and pursuing policies and incentives to achieve those targets;
- Adopting and implementing measures pursuant to existing State laws and policies, including California's clean car standards, goods movement measures, and the Low Carbon Fuel Standard; and
- Creating targeted fees, including a public goods charge on water use, fees on high global warming potential gases, and a fee to fund the administrative costs of the State's long-term commitment to AB 32 implementation.

In addition, the Scoping Plan differentiates between "capped" and "uncapped" strategies. "Capped" strategies are subject to the proposed cap-and-trade program. The Scoping Plan states that the inclusion of these emissions within the cap-and trade program will help ensure that the year 2020 emission targets are met despite some degree of uncertainty in the emission reduction estimates for any individual measure. Implementation of the capped strategies is calculated to achieve a sufficient amount of reductions by 2020 to achieve the emission target contained in AB 32. "Uncapped" strategies that will not be subject to the cap-and-trade emissions caps and requirements are provided as a margin of safety by accounting for additional greenhouse gas emission reductions.[3]

SB 375. Passing the Senate on August 30, 2008, SB 375 was signed by the Governor on September 30, 2008. According to SB 375, the transportation sector is the largest contributor of greenhouse gas emissions, which emits over 40 percent of the total greenhouse gas emissions in California. SB 375 states, "Without improved land use and transportation policy, California will not be able to achieve the goals of AB 32." SB 375 does the following: (1) requires metropolitan planning organizations to

[3] On March 17, 2011, the San Francisco Superior Court issued a final decision in *Association of Irritated Residents v. California Air Resources Board* (Case No. CPF-09-509562). While the Court upheld the validity of the ARB Scoping Plan for the implementation of AB 32, the Court enjoined ARB from further rulemaking under AB 32 until ARB amends its CEQA environmental review of the Scoping Plan to address the flaws identified by the Court. On May 23, 2011, ARB filed an appeal. On June 24, 2011, the Court of Appeal granted ARB's petition staying the trail court's order pending consideration of the appeal. In the interest of informed decision-making, on June 13, 2011, ARB released the expanded alternatives analysis in a draft Supplement to the AB 32 Scoping Plan Functional Equivalent Document. The ARB Board approved the Scoping Plan and the CEQA document on August 24, 2011.

include sustainable community strategies in their regional transportation plans for reducing greenhouse gas emissions, (2) aligns planning for transportation and housing, and (3) creates specified incentives for the implementation of the strategies. The Southern California Association of Governments has adopted emissions reductions for per capita light duty vehicles from 2005 levels of 7 percent by 2020 and 13 percent by 2035.

Concerning CEQA, SB 375, section 21159.28 states that CEQA findings determinations for certain projects are not required to reference, describe, or discuss (1) growth inducing impacts or (2) any project-specific or cumulative impacts from cars and light-duty truck trips generated by the project on global warming or the regional transportation network if the project:

1. Is in an area with an approved sustainable communities strategy or an alternative planning strategy that the ARB accepts as achieving the greenhouse gas emission reduction targets.
2. Is consistent with that strategy (in designation, density, building intensity, and applicable policies).
3. Incorporates the mitigation measures required by an applicable prior environmental document.

Executive Order S-13-08. Executive Order S-13-08 indicates that "climate change in California during the next century is expected to shift precipitation patterns, accelerate sea level rise and increase temperatures, thereby posing a serious threat to California's economy, to the health and welfare of its population and to its natural resources." Pursuant to the requirements in the order, the 2009 California Climate Adaptation Strategy (California Natural Resources Agency 2009) was adopted, which is the " . . . first statewide, multi-sector, region-specific, and information-based climate change adaptation strategy in the United States." Objectives include analyzing risks of climate change in California, identifying and exploring strategies to adapt to climate change, and specifying a direction for future research.

Renewable Electricity Standards. On September 12, 2002, Governor Gray Davis signed SB 1078 requiring California to generate 20 percent of its electricity from renewable energy by 2017. SB 107 changed the due date to 2010 instead of 2017. On November 17, 2008, Governor Arnold Schwarzenegger signed Executive Order S-14-08, which established a Renewable Portfolio Standard target for California requiring that all retail sellers of electricity serve 33 percent of their load with renewable energy by 2020. Governor Schwarzenegger also directed the ARB (Executive Order S-21-09) to adopt a regulation by July 31, 2010, requiring the state's load serving entities to meet a 33 percent renewable energy target by 2020. The ARB Board approved the Renewable Electricity Standard on September 23, 2010 by Resolution 10-23.

SmartWay Partners. SmartWay is comprised of five components:

- SmartWay Transport Partnership: A partnership in which freight carriers and shippers commit to benchmark operations, track fuel consumption and improve performance annually.
- SmartWay Technology Program: A testing, verification, and designation program to help freight companies identify equipment, technologies and strategies that save fuel and lower emissions.
- SmartWay Finance Program: A competitive grant program that makes investing in fuel-saving equipment easier for freight carriers.
- SmartWay Vehicles: A program that ranks light-duty cars and small trucks and identifies superior environmental performers with the SmartWay logo.
- SmartWay International Interests: Guidance and resources for countries seeking to develop freight sustainability programs modeled after SmartWay.

SmartWay effectively refers to aerodynamic and rolling resistance requirements geared toward reducing fuel consumption. Most large trucking fleets driving newer vehicles are compliant with SmartWay design requirements. Moreover, over time, all heavy-duty trucks will have to comply with the ARB Greenhouse Gas Regulation that is designed with the SmartWay Program in mind to reduce greenhouse gas emissions by making them more fuel efficient. For instance, all 2010 and older model year tractors that pull 53-foot or longer box type trailers must use SmartWay verified low rolling resistance tires beginning January 1, 2013.

Through the SmartWay Technology Program, the EPA has evaluated the fuel saving benefits of various devices through grants, cooperative agreements, emissions and fuel economy testing, demonstration projects and technical literature review. As a result, EPA has determined the following types of technologies provide fuel saving and/or emission reducing benefits when used properly in their designed applications:

- Idle reduction technologies
- Aerodynamic technologies
- Low rolling resistance tires
- Retrofit technologies
- Federal excise tax exemptions

Within each of these categories, EPA has verified specific products.

3.4.4 - Regional

South Coast Air Quality Management District

The project is within the South Coast Air Basin, which is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). SCAQMD Regulation XXVII currently includes three rules:

- The purpose of Rule 2700 is to define terms and post global warming potentials.
- The purpose of Rule 2701, SoCal Climate Solutions Exchange, is to establish a voluntary program to encourage, quantify, and certify voluntary, high quality certified greenhouse gas emission reductions in the SCAQMD.
- Rule 2702, Greenhouse Gas Reduction Program, was adopted on February 6, 2009. The purpose of this rule is to create a Greenhouse Gas Reduction Program for greenhouse gas emission reductions in the SCAQMD. The SCAQMD will fund projects through contracts in response to requests for proposals or purchase reductions from other parties.

3.4.5 - City of Moreno Valley

The City of Moreno Valley released an Energy Efficiency and Climate Action Strategy as well as a Greenhouse Gas Analysis for public review on May 8, 2012. The documents were adopted by the City Council on October 9, 2012. The documents are discussed in more detail in Section 6, under the heading, Greenhouse Gas Reduction Plans (Impact AIR-7).

SECTION 4: MODELING PARAMETERS AND ASSUMPTIONS

4.1 - Model Selection

Air pollutant emissions can be estimated by using emission factors and a level of activity. Emission factors represent the rate of pollutant emission produced by the activity over time or distance; for example, grams of NO_X per horsepower hour or grams of NO_X per mile traveled. The ARB has published emission factors for on-road mobile vehicles/trucks in the EMFAC mobile source emissions model and emission factors for off-road equipment and vehicles in the OFFROAD emissions model.

The California Emissions Estimator Model (CalEEMod) version 2011.1.1 was developed in cooperation with the SCAQMD and other air districts throughout the state. CalEEMod is designed as a uniform platform for government agencies, land use planners and environmental professionals to quantify potential criteria pollutant and greenhouse gas emissions associated with construction and operation from a variety of land uses.

Emission factors are often updated and there is a normal lag time between the development of new emission factors and the integration of the new emissions factors into the appropriate models. CalEEMod uses OFFROAD2007 and EMFAC2007 emission factors and will not be updated with the new OFFROAD2011 and EMFAC2011 factors until after the date of this analysis.[4]

Included in the construction emissions OFFROAD2011 update is a reduction in the load factors by 33 percent compared with OFFROAD2007, which equates to a decrease in off-road construction related emissions (California Air Resources Board 2010d). The load factors are just one variable in the estimation of construction related emissions; the difference in other variables and factors also play a role in the emissions estimation. On the advice of the SCAQMD contained in their published comments on CEQA assessments prior to the release of the updated CalEEMod model, no reduction in construction emissions from the changes in load factors was assumed in this assessment.

For the assessment of localized air quality and health risk impacts, project emissions are incorporated into an air dispersion model along with representative meteorological data to derive estimates of air quality and health risk impacts at receptor locations near the project. The resulting project impacts can then be compared to the requisite air quality and health risk significance thresholds recommended by the SCAQMD to determine the significance of those impacts for purposes of CEQA.

The assessment models used in this analysis are summarized as follows:

- Construction emissions: CalEEMod, version 2011.1.1.

[4] The SCAQMD released a beta version of the new model to beta testers; comments are due in January 2013.

- Operational regional emissions: CalEEMod, version 2011.1.1 (default EMFAC2007 emission factors for all vehicle types except for project medium and heavy duty diesel trucks, which used EMFAC2011 emission factors).
- Operational localized emissions: EMFAC2011 and methods described below.
- Construction and operational air quality and health risk impacts: US EPA AERMOD air dispersion model.

4.2 - SCAQMD Significance Thresholds

Within the context of CEQA, the SCAQMD recommends two types of significance thresholds that a lead agency can apply when assessing the air quality significance of new projects. These two types of thresholds are: 1) regional - based on a project's daily mass air emissions; and 2) localized - based on the project's incremental air quality concentration impacts on air quality. The regional thresholds apply to all aspects of the project including construction and operation and are used to apply significance to a project's regional impacts. The mass emission-based regional thresholds were established because a project's emissions could potentially contribute the Basin's regional emission burden and affect air quality many miles away from a project location. The concentration-based localized thresholds serve to determine the project's incremental impacts on the local environment in the vicinity of a project and apply to both construction and operation. The various SCAQMD significance thresholds are shown in Table 10.

4.3 - Construction

Construction-related emissions are expected from various activities associated with the construction of the project such as rough grading, infrastructure construction, asphalt paving, building construction, architectural coatings, and construction workers commuting. Depending on the level of activity, the specific type of operation, and weather conditions, construction emissions can vary substantially from day to day. Onsite emissions principally consist of exhaust emissions from the activity levels of heavy-duty construction equipment, motor vehicle operation, and fugitive dust from disturbed soil. Paving and application of architectural coatings would release VOC emissions. Offsite emissions are caused by exhaust from delivery, haul, and worker vehicles and entrained road dust as vehicles travel to and from the construction area.

Table 10: South Coast Air Quality Management District Significance Thresholds

Mass Daily Thresholds[a]		
Pollutant	**Construction[b]**	**Operation[c]**
NO_X	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM_{10}	150 lbs/day	150 lbs/day
$PM_{2.5}$	55 lbs/day	55 lbs/day
SO_X	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Lead	3 lbs/day	3 lbs/day
Toxic Air Contaminants (TACs), Odor, and GHG Thresholds		
TACs (including carcinogens and non-carcinogens)	Maximum Incremental Cancer Risk ≥ 10 in 1 million Chronic & Acute Hazard Index ≥ 1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	
Greenhouse Gases (GHG)	10,000 MT/yr CO_2eq for industrial facilities	
Ambient Air Quality Standards for Criteria Pollutants[d]		
NO_2 1-hour average annual arithmetic mean	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 0.18 ppm (state) 0.03 ppm (state) and 0.0534 ppm (federal)	
PM_{10} 24-hour average annual average	10.4 μg/m^3 (construction)[e] & 2.5 μg/m^3 (operation) 1.0 μg/m^3	
$PM_{2.5}$ 24-hour average	10.4 μg/m^3 (construction)[e] $PM_{2.5}$ μg/m^3 (operation)	
SO_2 1-hour average 24-hour average	0.25 ppm (state) & 0.075 ppm (federal - 99th percentile) 0.04 ppm (state)	
Sulfate 24-hour average	25 μg/m^3 (state)	
CO 1-hour average 8-hour average	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 20 ppm (state) and 35 ppm (federal) 9.0 ppm (state/federal)	

Table 10 (cont.): South Coast Air Quality Management District Significance Thresholds

Ambient Air Quality Standards for Criteria Pollutants[d]	
Lead 30-day Average Rolling 3-month average Quarterly average	 1.5 µg/m^3 (state) 0.15 µg/m^3 (federal) 1.5 µg/m^3 (federal)

Key:
lbs/day = pounds per day
µg/m^3 = microgram per cubic meter
CO_2eq = metric tons per year of CO_2 equivalents
ppm = parts per million
≥ = greater than or equal to MT/yr
> = greater than

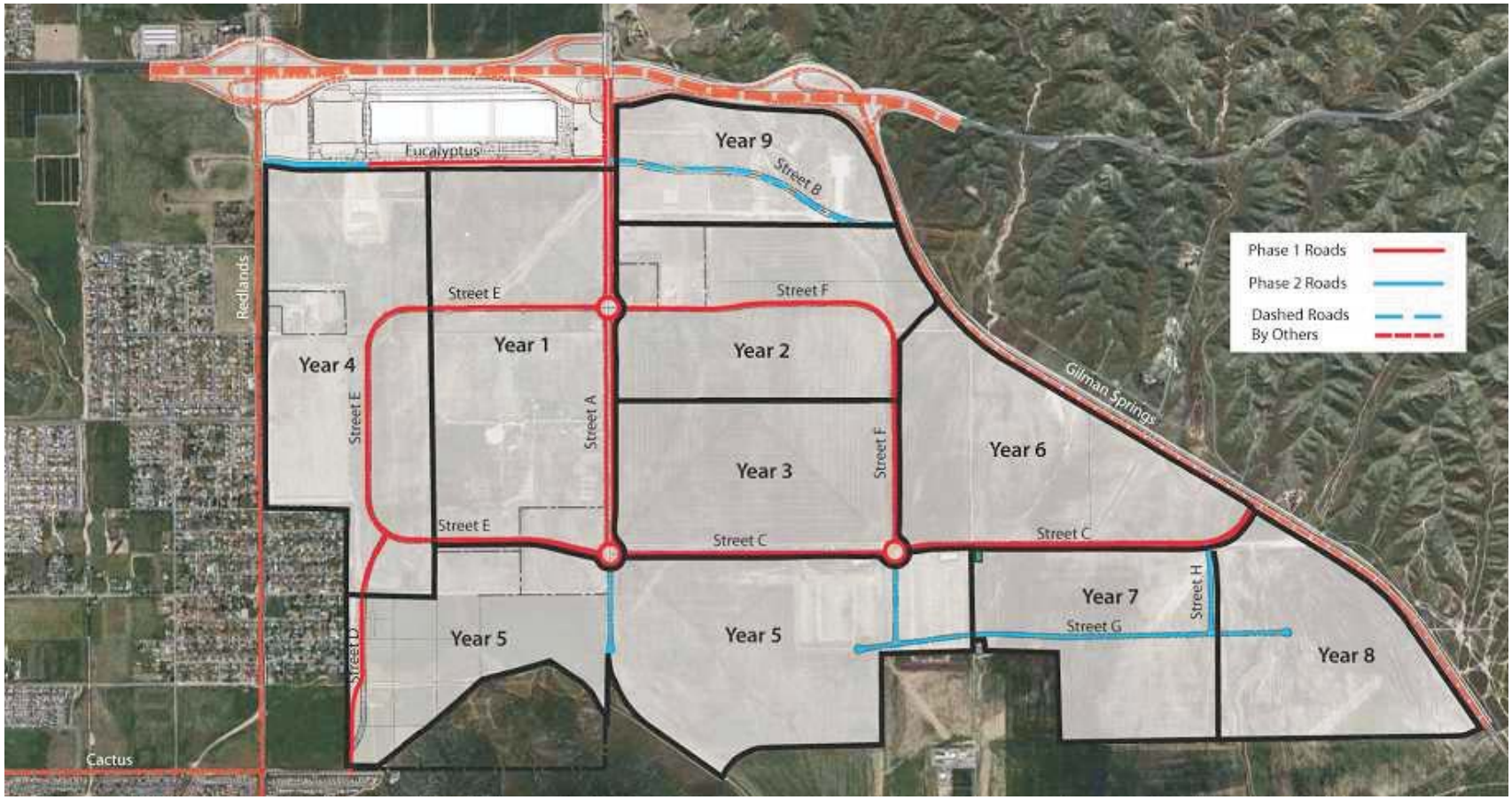
Notes:
a Source: SCAQMD CEQA Handbook (SCAQMD, 1993).
b Construction thresholds apply to both the South Coast Air Basin and Coachella Valley (Salton Sea and Mojave Desert Air Basins).
c For Coachella Valley, the mass daily thresholds for operation are the same as the construction thresholds.
d Ambient air quality thresholds for criteria pollutants based on SCAQMD Rule 1303, Table A-2 unless otherwise stated.
e Ambient air quality threshold based on SCAQMD Rule 403.
Source: South Coast Air Quality Management District 2011a.

The emission levels for construction equipment are based on the emission factors, horsepower, load factor, and activity level of the equipment. The emission factors are generally described as an emission rate per horsepower and depend on the type of equipment, horsepower and model year of the equipment. In general, the horsepower is the power of an engine - the greater the horsepower, the greater the power. The load factor is the average power of a given piece of equipment while in operation compared with its maximum rated horsepower. A load factor of 1.0 indicates that a piece of equipment continually operates at its maximum operating capacity. The activity level is generally represented by the number of hours the equipment is in operation during a time period such as a day. An air emissions model (or calculator) combines the emission factors, horsepower, load factor, and activity level and outputs the emissions for the various pieces of equipment and air pollutants.

4.3.1 - Emissions Estimations Assumptions

Based on the best available information provided by the applicant, the project construction phasing for Phase 1 and Phase 2 is shown in Table 11 and Table 12, respectively. The onsite equipment assumptions are shown in Table 13.

Exhibit 8 provides a conceptualized view of the annual progression of construction of the project. This exhibit is conceptual in nature and represents the best available information as the actual development would depend on a whole host of economic and demand factors.



NORTH

Michael Brandman Associates

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Exhibit 8
Conceptual Site Plan - Construction

HIGHLAND FAIRVIEW OPERATING COMPANY • WORLD LOGISTICS CENTER PROJECT
AIR QUALITY, GREENHOUSE GAS, AND HEALTH RISK ASSESSMENT REPORT

Table 11: Construction Activity Duration (Phase 1)

Activity	Months					Days				
	Year 1	Year 2	Year 3	Year 4	Total	Year 1	Year 2	Year 3	Year 4	Total
Mass grading (unmitigated)	12	0	0	0	12	310	0	0	0	310
Mass grading (mitigated)	12	12	0	0	24	310	310	0	0	620
Finish grading	4	2	0	0	6	103	52	0	0	155
Building	9	12	12	12	45	232	310	310	310	1,162
Utilities	9	12	6	0	27	232	310	155	0	697
Curbing	1	4	3	0	8	26	103	77	0	206
Landscaping	6	12	12	12	4	155	310	310	310	1,085
Paving	2	2	0	0	42	52	52	0	0	104
Source of months: Highland Fairview, March 6, 2012 and October 2, 2012; Source of days: Months multiplied by 4.3 weeks per month, 6 days per week (average).										

Table 12: Construction Activity Duration (Phase 2)

Activity	Months						Days					
	Year 5	Year 6	Year 7	Year 8	Year 9	Total	Year 5	Year 6	Year 7	Year 8	Year 9	Total
Mass grading (unmitigated)	12	0	0	0	0	12	310	0	0	0	0	310
Mass grading (mitigated)	12	12	0	0	0	24	310	310	0	0	0	620
Finish grading	4	2	0	0	0	6	103	52	0	0	0	155
Building	9	12	12	12	12	57	232	310	310	310	310	1,472
Utilities	9	12	6	0	0	27	232	310	155	0	0	697
Curbing	0	4	3	0	0	18	0	103	77	0	0	180
Landscaping	6	12	12	12	12	7	155	310	310	310	310	1,395
Paving	0	1	2	0	0	3	0	26	52	0	0	78
Interchange	0	12	6	0	0	54	0	310	155	0	0	465
Source of Months: Highland Fairview, March 6, 2012 and October 2, 2012. Source of Days: The number of months multiplied by 4.3 weeks per month, 6 days per week (average).												

Table 13: Construction Onsite Equipment Assumptions

Phase Name	Equipment in CalEEMod	Number	Hours per Day		Horse-power	Load Factor	Equipment Type or Source of Horsepower
			Unmitigated	Mitigated			
Mass Grading	Rubber Tired Dozers	6	15	10	474	0.59	Dozer D9, D10
	Scrapers	60/30*	15	10	451	0.72	Caterpillar 657 scraper
	Plate Compactors	3	15	10	8	0.43	CalEEMod default
	Off-Highway Trucks	6	15	10	381	0.57	Water trucks: CalEEMod default
	Graders	2	15	10	259	0.61	Grader 14M
Finish Grading	Tractors/Loaders/Backhoes	1	15	10	96	0.55	Dozer D5
	Rubber Tired Dozers	1	15	10	200	0.59	Dozer D6
	Scrapers	3	15	10	330	0.72	Scraper 623
	Off-Highway Trucks	2	15	10	381	0.57	Water truck: CalEEMod default
	Graders	2	15	10	259	0.61	Grader 14M
Building	Tractors/Loaders/Backhoes	30	15	10	102	0.55	Backhoe 430
	Cement and Mortar Mixers	50	15	10	9	0.56	CalEEMod default
	Other Construction Equipment	3	15	10	327	0.62	Screed: CalEEMod default
	Cranes	2	15	10	208	0.43	CalEEMod default
	Aerial Lifts	20	15	10	34	0.46	Man lifts: CalEEMod default
	Generator Sets	20	24	24	84	0.74	(temporary power) CalEEMod
	Forklifts	20	15	10	149	0.3	CalEEMod default
	Off-Highway Trucks	2	15	10	381	0.57	Water trucks: CalEEMod default
	Tractors/Loaders/Backhoes	10	15	10	89	0.55	Skip loader 414

Table 13 (cont.): Construction Onsite Equipment Assumptions

Phase Name	Equipment in CalEEMod	Number	Hours per Day		Horse-power	Load Factor	Equipment Type or Source of Horsepower
			Unmitigated	Mitigated			
Utilities	Excavators	6	15	10	194	0.57	Excavator 324
	Rubber Tired Loaders	6	15	10	197	0.54	Loader 950
	Off-Highway Trucks	6	15	10	381	0.57	Water trucks: CalEEMod default
	Tractors/Loaders/Backhoes	6	15	10	102	0.55	Backhoe 430
Interchange (Phase 2 only)	Rubber Tired Dozers	1	15	10	474	0.59	Dozer D9 and D10
	Scrapers	1	15	10	330	0.72	Scraper 623
	Excavators	1	15	10	194	0.57	Excavator 324
	Tractors/Loaders/Backhoes	1	15	10	102	0.55	Backhoe 430
	Cranes	1	15	10	208	0.43	CalEEMod default
	Cement and Mortar Mixers	1	15	10	9	0.56	CalEEMod default
	Bore/Drill Rigs	1	15	10	82	0.75	CalEEMod default
	Rubber Tired Loaders	1	15	10	197	0.54	Loader 950
	Other Construction Equipment	1	15	10	327	0.62	Concrete screed machine, CalEEMod default
	Tractors/Loaders/Backhoes	1	15	10	89	0.55	Skip loader 414
	Rubber Tired Dozers	1	15	10	200	0.59	Dozer D6
	Graders	1	15	10	259	0.61	Grader 14M
Curbing	Graders	1	15	10	259	0.61	Grader 14M
	Tractors/Loaders/Backhoes	2	15	10	89	0.55	Skip loader 414
	Cement and Mortar Mixers	4	15	10	9	0.56	CalEEMod default

Table 13 (cont.): Construction Onsite Equipment Assumptions

Phase Name	Equipment in CalEEMod	Number	Hours per Day		Horse-power	Load Factor	Equipment Type or Source of Horsepower
			Unmitigated	Mitigated			
Landscaping	Tractors/Loaders/Backhoes	4	15	10	102	0.55	Backhoe 430
	Off-Highway Trucks	2	15	10	381	0.57	Water truck: CalEEMod default
	Cranes	1	15	10	208	0.43	CalEEMod default
	Trenchers	4	15	10	69	0.75	CalEEMod default
Paving equipment and dust	Graders	2	15	10	259	0.61	Grader 14M
	Rubber Tired Loaders	1	15	10	197	0.54	Loader 950
	Tractors/Loaders/Backhoes	2	15	10	89	0.55	Skip loader 414
	Scrapers	2	15	10	330	0.72	Scraper 623
	Off-Highway Trucks	2	15	10	381	0.57	Water truck: CalEEMod default
	Paving Equipment	2	15	10	137	0.53	Roller-smooth drum CB54
	Pavers	2	15	10	225	0.62	Paving machine AP 1055

* For the unmitigated scenario, the number of scrapers is 60; for the mitigated scenario, the number of scrapers is 30.
Source for number and equipment: Highland Fairview, March 6, 2012.
Source for hours per day: Michael Brandman Associates.
Source for load factors: CalEEMod.
Sources for horsepower:
Caterpillar 657. scraper: www.cat.com/equipment/ wheel-tractor-scrapers/coal-bowl-scrapers.
Grader 14M. www.cat.com/equipment/motor-graders/motor-graders.
Dozer, D5. www.cat.com/equipment/track-type-tractors/small-track-type-tractors.
Dozer, D6. www.cat.com/equipment/track-type-tractors/medium-track-type-tractors.
Scraper 623. www.cat.com/equipment/wheel-tractor-scrapers/elevating-scrapers.
Backhoe 430. www.cat.com/equipment/backhoe-loaders.
Skip loader 414. www.cat.com/equipment/industrial-loaders.
Excavator 324. www.cat.com/equipment/hydraulic-excavators/medium-hydraulic-excavators.
Loader 950. www.cat.com/equipment/wheel-loaders/midsize-wheel-loaders.
Dozer D9 and D10. www.cat.com/equipment/track-type-tractors/large-track-type-tractors. D9 has 410 horsepower; D10 has 580 horsepower; used average.
Roller-smooth drum CB54. www.cat.com/equipment/compactors/vibratory-asphalt-compactors.
Paving machine AP 1055. www.cat.com/equipment/paving-equipment/track-asphalt-pavers.

Equipment Tiers and Emission Factors

Equipment tiers refer to a generation of emission standards established by the US EPA and ARB that apply to diesel engines in off-road equipment. The "tier" of an engine depends on the model year and horsepower rating; generally, the newer a piece of equipment is, the greater the tier it is likely to have. Excluding engines greater than 750 horsepower, Tier 1 engines were manufactured generally between 1996 and 2003. Tier 2 engines were manufactured between 2001 and 2007. Tier 3 engines were manufactured between 2006 and 2011. Tier 4 engines are the newest and some incorporate hybrid electric technology; some started to be manufactured after 2007 (South Coast Air Quality Management District 2011e). However, even though varieties of Tier 4 equipment started to be manufactured after 2007, the availability of Tier 4 equipment remains limited.

CalEEMod contains an inventory of construction equipment that incorporates estimates of the number of equipment, their age, their horsepower, and equipment tier from which rates of emissions are developed. The CalEEMod default tier mix was used in this analysis for the estimation of emissions from onsite construction equipment for the unmitigated scenario.

CalEEMod's off-road emission factors are based on the equipment populations from the OFFROAD2007 model. For purposes of estimating emissions, the unmitigated scenario assumed emission factors for the year 2013 and 2017 for Phase 1 and Phase 2, respectively. Those years were selected as a worst-case scenario, as the equipment fleet used for one year may be the same for the next year. This is a worst-case scenario because it does not take into account potentially lower emissions in the future, from equipment turnover and changes in the construction schedules. Newer construction equipment results in fewer emissions because of existing regulation.

Construction Offsite Trips

The same trip assumptions were used for both phases. On an average day, 500 workers would be on the project site during construction. The CalEEMod default worker trip length of 10.8 miles was increased to 25 miles, to account for a potentially longer commute distance. The CalEEMod default vehicle fleet (LD Mix) was used for employee trips.

Vendor trips were derived from the construction equipment list provided by Highland Fairview (March 6, 2012) and include the service/support trucks. The vendor trip length was increased from the default of 7.3 miles to 25 miles, to account for any additional trips and to account for deliveries from the greater Los Angeles area. The CalEEMod default vehicle fleet (Heavy Duty Truck Mix) was used for vendor trips.

Dump truck trips, concrete trucks, and material delivery trips were represented as haul trips, with a mileage of 25 miles per trip. The CalEEMod default vehicle type (Heavy Heavy Duty Truck) was used for haul trips.

A summary of the construction related vendor and haul trips is shown in Table 14. The total number of offsite construction trips would not necessarily occur on the same day since the various construction activities would vary each day.

Table 14: Construction Offsite Trips

Activity	Construction Trips/Day	
	Vendor	Haul
Mass Grading	10	0
Finish Grading	4	0
Building	80	70
Utilities	15	0
Curbing	5	4
Landscaping	6	0
Paving	5	8
Interchange	4	5
Source: Michael Brandman Associates and Highland Fairview, March 6, 2012.		

Construction Activity - Hours per Day

The general construction labor force would likely work from around 6:00 am to 4:00 pm (10 hours). Some deliveries such as the concrete pours could occur between 2:00 am and 6:00 to avoid conflicts with peak hour traffic and to optimize the quality of the concrete pour during consistent temperatures. For the unmitigated impact analysis, it was assumed that each piece of equipment would be in the on position for 15 hours per day, which is the approximate daylight hours during the longest day of the year. This could allow for two shifts of 7 or 8 hours per day. It was also assumed that construction would be operating for 6 days per week.

Grading

Approximately 42 million cubic yards (cy) of cut and fill will be required to rough/mass grade the entire project site, including remedial grading and over-excavation. Earthwork will balance on-site within the Specific Plan, eliminating the need to import or export dirt for the project.

During grading activities, fugitive dust can be generated from the movement of dirt on the project site. CalEEMod estimates dust from dozers moving dirt around, dust from graders or scrapers leveling the land, and loading or unloading dirt into haul trucks. Each of those activities is calculated differently in CalEEMod based on the number of acres traversed by the grading equipment.

Only some pieces of equipment generate fugitive dust in CalEEMod. The CalEEMod manual identifies various equipment and the acreage disturbed in an 8-hour day. This project assumes a 15-hour day for construction equipment operation for the unmitigated scenario. Therefore, the acres

disturbed is multiplied by 1.875 (15 divided by 8); 0.5 acres = 0.94 acres; 1 acre = 1.88 acres. For a 10-hour day (for the mitigated scenario), the acres disturbed is multiplied by 1.25 (10 divided by 8); 0.5 acres = 0.625 acres; 1 acre = 1.25 acres.

- Crawler tractors, graders, and rubber tired dozers: 0.5 acres per 8-hour day, 0.625 acres per 10-hour day, or 0.94 acres per 15-hour day.
- Scrapers: 1 acre per 8-hour day, 1.25 acres per 10-hour day, or 1.88 acres per 15-hour day.

For the unmitigated scenario (15-hour day) the following acres are the quantity disturbed per day:

- Mass grading = 120 acres/day
- Finish grading = 9.4 acres/day
- Curbing = 2.8 acres/day
- Paving = 5.6 acres/day
- Interchange = 6.6 acres/day

For the dispersion modeling, additional acreage for building construction was added resulting in a daily area of 140 acres that would be disturbed during a single day.

SCAQMD Rule 403 requires fugitive dust generating activities follow best available control measures to reduce emissions of fugitive dust. These measures are accounted for in CalEEMod as "mitigation" because the model categorizes the measures as "mitigation," even though they are technically not mitigation but are required to comply with the rule. Rule 403 is accounted for in CalEEMod through the watering three times per day mitigation, resulting in a 61 percent reduction in fugitive dust.

Building Construction

Building construction includes the actual construction of the buildings on the project site. This would involve vendor trips to bring materials to the site, forklifts to move the materials around the site, and workers operating the onsite equipment.

Coatings

CalEEMod assumes a high quantity of paintings, even though the project consists of primarily warehouses and would require minimal painting. CalEEMod does not allow the user to change the default amount to be painted; therefore, VOC from painting is estimated separately as shown in the spreadsheets in Appendix A, CalEEMod Output and Regional Emissions Spreadsheets.

Paving

The construction schedule assumes a variety of two-week periods of paving per phase. The acreage to be paved is unknown at this time; it was assumed for worst-case purposes that one-third of the site

would be paved. Assuming that the total acreage to be paved is one-third the amount of the site yields the following acres:

- Phase 1: 1257 acres: 419 acres paved (divided by 8 two-week periods is 52.4 acres per period) + 838 acres for rest of site.
- Phase 2: 1408 acres: 469 acres paved (divided by 6 two-week periods is 71.2 acres per period) + 939 acres site.

In CalEEMod, paving is divided into two phases to appropriately account for any fugitive dust generated during paving and the VOC emissions.

4.4 - Operational Emissions Assumptions

Operational emissions are those emissions that occur once the project commences operation. The major sources are summarized below. In order to estimate some of the emissions on a year-by-year basis, the assumed buildout schedule for purposes of this analysis is shown in Table 15 based on the best current information. This schedule will likely vary based on market factors. The acreage used for the CalEEMod program was based on the percentage of square feet by year.

Table 15: Conceptual Operational Buildout Schedule

Year	Thousand Square Feet added to Operation			Gas Station (pumps)	Cumulative Logistics Square Feet in Operation[1]
	Logistics	Light Logistics	Convenience Store		
2013	0	0	0	0	0
2014	5,302	46	0	0	5,348
2015	5,696	154	0	0	11,198
2016	3,700	0	0	0	14,898
2017	6,552	0	3	12	21,450
2018	8,000	0	0	0	29,450
2019	4,450	0	0	0	33,900
2020	3,500	0	0	0	37,400
2021	3,200	0	0	0	40,600
2022	1,000	0	0	0	41,600

Notes:
[1] The cumulative square feet in the project description of the EIR does not include the gas station or convenience store as separate because those uses are included within the logistics development. However, the motor vehicle emissions from the store are estimated separately from the logistics development.
Source: Highland Fairview and Michael Brandman Associates, 2012.

4.4.1 - Motor Vehicle Emissions

Motor vehicle emissions refer to exhaust and road dust emissions from the automobiles and delivery trucks that would travel to and from the project site. For analysis of potential regional impacts, emissions from motor vehicles were estimated using CalEEMod. For the localized analysis, emissions from motor vehicles are estimated using the procedures outlined below and emission factors from EMFAC2011 and the US EPA.

To quantify mobile source operational emissions, the following information is required:

- Trip generation - the number of vehicles that are expected to move to and from the project site each day.
- Vehicle fleet mix - the mix of vehicle types (i.e., automobiles, trucks, gasoline or diesel-fueled, etc.).
- Trip lengths - the distance the vehicles travel.
- Emission factors - the amount of emissions generated as a function of vehicle type, vehicle speed, and year for a given time or distance interval.

Trip Generation Rates

Trip generation quantifies the number of trips that a project generates each day during all facets of its operations. The trip generation is determined by multiplying an appropriate trip generation rate for a particular land use descriptive of the project by the quantity of that land use. Trip generation rates are determined for daily traffic, morning peak hour inbound and outbound traffic, and the evening peak hour inbound and outbound traffic for the proposed land use. The trip generation rates used for this project were derived from the traffic impact study prepared by Parsons and Brinckerhoff (PB 2012) and are based on the trip generation rates contained in the Institute of Transportation Engineers Trip Generation Manual, 9th Edition.

As discussed in the "Trip Lengths" subsection below, the regional analysis uses a shorter trip length for local trips (employees and light deliveries) compared with long-haul trips; therefore, the trip generation is divided into local trips and long haul trips. Local trips are assumed to consist of light and medium duty automobiles and trucks. The long-haul delivery truck trips are represented by the heavy-duty trucks.

The trip generation rates applied in this assessment are shown in Table 16.

Table 16: Trip Generation Rates

Land Use	Unit	Trips/unit/day		
		Local	Long-Haul	Total
High Cube Logistics Center	KSF	1.33	0.35	1.68
Light Logistics	KSF	2.82	0.74	3.56
Existing Utilities Servicing Station*	KSF	N/A	N/A	8.00
Gas Station with Convenience Store**	Pump	90.36	23.59	113.95
Convenience Store	KSF	585.23	152.76	737.99

Notes: KSF = thousand square feet
* N/A = not applicable; the SCG Valve/Metering Station and Sempra Compression Station are existing and will continue to exist after implementation of the project. The trip generation for those uses would not increase; therefore, the trips are not included in the regional analysis but are included in the localized analysis.
** The traffic study identifies a trip generation rate for the fueling station at 162.78 trips per pump per day with a 30 percent reduction for customers who use both the fuel station and convenience store. The resulting trip generation rate is shown in the table.
Source for total trip generation rate: PB 2012.
Source for local trip generation rate: 79.3 percent of total (from Table 17).
Source for long-haul generation rate: 20.7 percent of total (from Table 17).

Appendix E of the CalEEMod Manual states the following regarding trip rates for large warehouses and distribution centers, which demonstrates that the trip rate is appropriate for the project, since the project is a Specific Plan containing more than 10 warehouse buildings:

> In the case that air quality is evaluated for multiple warehouses (>10), such as in an analysis for a general plan, the average rate of 1.44 trips per TSF from the ITE 8th Edition Trip Generation manual is acceptable. This lower value may be more appropriate as on average, a small portion of warehouses can be expected to operate at varying levels of service, including some warehouses experiencing temporary partial or complete vacancy. (South Coast Air Quality Management District 2011f).

The trip generate rate applied in this assessment for high cube warehouses (1.68 trips per thousand square feet) is greater than the average rate of 1.44 trips per thousand square feet recommended by the SCAQMD thereby providing a more conservative estimate of vehicle trips (i.e., larger number of trips) and hence higher estimate of air quality impacts than the SCAQMD-recommended trip rate.

Pass-by and Diverted Trips

For the regional analysis, CalEEMod has input for primary, diverted, and pass-by trips. Diverted trips are assumed to take a slightly different pass than a primary trip and are assumed to be 25 percent of the primary trip lengths. Pass-by trips are assumed to be 0.1 mile in length and are a result of no diversion from the primary route.

For the long-haul logistics trips, 100 percent of the trips are primary trips. For the local logistics trips, 92 percent of the trips are primary, 5 percent are diverted, and 3 percent are pass-by trips (CalEEMod default for unrefrigerated warehouse).

For the gas station and store, the traffic study assumed 84 percent pass-by trips and 16 percent primary trips. The primary trips are internal trips that represent a warehouse employee driving to the fueling station/store from a warehouse and then going back to the warehouse. The trip length for the primary trips is assumed to be approximately 1.5 miles.

Vehicle Fleet Mix

The vehicle fleet mix is defined as the mix of motor vehicle classes active during the operation of the project.

Exhibit 9 displays sample vehicle classes.

Emission factors are assigned to the expected vehicle mix as a function of year, vehicle class, speed, and fuel use (gasoline and diesel-powered vehicles). The vehicle fleet mix for the project is based on the assumptions contained in the project traffic impact report (PB 2012). The traffic report provided a vehicle fleet mix for passenger cars, light heavy duty trucks, medium heavy duty trucks, and heavy-heavy duty trucks. For purposes of this assessment, the EMFAC2011 mobile source model was used to derive a complete mix of vehicles consisting of the following vehicle classes:

- Passenger Cars: light duty automobiles (LDA), light duty trucks (LDT1 and LDT2), and medium duty trucks (MDT) - identified as passenger cars in the project traffic impact report;
- Light heavy duty trucks: light heavy duty trucks (LHDT1 and LHDT2) with a gross weight of between 8,501 pounds and 14,000 pounds (these were separated into two groups consistent with the default vehicle miles traveled by each vehicle class within the EMFAC2011 model) - identified in the project traffic impact report as light trucks;
- Medium heavy duty trucks (MHDT) with a gross weight of between 14,001 pounds and 33,000 pounds - identified as medium trucks in the project traffic impact report; and
- Heavy-heavy duty trucks (HHDT) with a gross weight in excess of 33,000 pounds - identified as heavy trucks in the project traffic impact report.

The EMFAC2011 model was also used to subdivide each vehicle class by gasoline and diesel vehicles for each analysis year.

Local Travel

Separate localized vehicle trips and fleet mixes were prepared for the following years of 2012, 2017, and 2022 for use in the localized air quality impact assessment. In addition, a traffic fleet mix was developed for the long-term planning year 2035 for the assessment of the project's health risks.

Two types of vehicle fleet mixes were estimated for this assessment:

- Daily average: The daily vehicle fleet mix is representative of daily operations and is characterized by the total amount of vehicle trips and their distribution by vehicle type during an operational day. The daily vehicle trips and fleet mix are used to estimate the daily regional emissions from the operation of the project as the project's vehicles travel to and from the project site throughout the South Coast Air Basin. The daily vehicle trips and fleet mix are also used to estimate local daily and annual air quality impacts to the areas surrounding the project site.
- Peak hour: The peak hour vehicle fleet vehicle mix represents the number and mix of vehicles that would access the project during the peak hour of traffic. The peak hour information is used to estimate 1-hour and 8-hour local air pollutant impacts.

The daily average vehicle trips and fleet mix at the final buildout are provided in Table 17, consistent with the trip estimates contained in the project traffic impact report.

Table 17: Daily Trips and Fleet Mix - Full Project Buildout

Vehicle Class	Fleet Mix (%)	Daily Trips	Non-Diesel Daily Trips	Diesel Daily Trips
Light Duty Auto (LDA)	41.18	29,273	29,191	82
Light Duty Truck 1 (LDT1)	6.22	4,423	4,418	5
Light Duty Truck 2 (LDT2)	16.24	11,547	11,541	6
Medium Duty Truck (MDT)	15.70	11,159	11,151	9
Subtotal	*79.34*	*56,402*	*56,301*	*101*
Light Heavy Duty Truck 1 (LHDT1)	3.01	2,141	1,349	792
Light Heavy Duty Truck 2 (LHDT2)	0.48	342	106	236
Medium Heavy Duty Truck (MHDT)	4.65	3,311	480	2,831
Heavy Heavy Duty Truck (HHDT)	12.50	8,889	88	8,801
Subtotal	*20.64*	*14,683*	*2,023*	*12,660*
Grand Total	*100.00*	*71,085*	*58,324*	*12,761*
Source: PB 2012 and Michael Brandman Associates (Appendix E, Localized Spreadsheets and AERMOD Output).				

Automobile
(i.e., Ford Focus)

Light Duty Truck
(i.e., Toyota Tacoma)

Medium Duty Vehicle
(i.e., Ford Excursion)

Light-Heavy Duty Truck
(i.e., Ford F-450)

Medium-Heavy Duty Truck
(i.e., Dump Truck)

Heavy-Heavy Duty Truck

Sources: Wikipedia http://en.wikipedia.org/wiki/Truck_classification, www.ford.com, www.autoblog.com/photos/review-2011-ford-f-450-lariat/#photo-3363366, www.toyota.com, www.peterbilt.com

Michael Brandman Associates

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Exhibit 9
Vehicle Classifications

HIGHLAND FAIRVIEW OPERATING COMPANY
WORLD LOGISTICS CENTER PROJECT
AIR QUALITY, GREENHOUSE GAS, AND HEALTH RISK ASSESSMENT REPORT

The peak hour vehicle trips and fleet mix are provided for the full buildout in Table 18, consistent with the trip estimates provided by the project traffic consultant. The information provided in this table is for the afternoon peak hour since the afternoon peak hour has a higher number of trips than during the morning peak hour.

In terms of a vehicle trip breakdown by phase, Phase 1 contains approximately 51.6 percent of the total trips and Phase 2 the remaining 48.4 percent.

Table 18: Peak Hour Trips and Fleet Mix

Vehicle Class	Fleet Mix (%)	Peak Hour Trips	Non-Diesel Peak Hour Trips	Diesel Peak Hour Trips
Light Duty Auto (LDA)	33.40	1,705	1,699	5
Light Duty Truck 1 (LDT1)	5.04	257	257	0
Light Duty Truck 2 (LDT2)	13.17	672	671	0
Medium Duty Truck (MDT)	12.73	649	649	1
Subtotal	*64.34*	*3,283*	*3,277*	*6*
Light Heavy Duty Truck 1 (LHDT1)	5.26	268	169	99
Light Heavy Duty Truck 2 (LHDT2)	0.84	43	13	29
Medium Heavy Duty Truck (MHDT)	8.04	410	59	351
Heavy Heavy Duty Truck (HHDT)	21.52	1,097	11	1,086
Subtotal	*37.66*	*1,818*	*253*	*1,565*
Grand Total	*100.00*	*5,101*	*3,529*	*1,572*
Source: PB 2012 and Michael Brandman Associates (Appendix E, Localized Spreadsheets and AERMOD Output).				

Once the number of vehicle trips and their fleet mixes have been estimated, the various vehicle trips are then distributed onto the local roadway network using regional traffic models (see the project traffic impact report on the details of the traffic distribution modeling). For this purpose, the traffic modeling provides estimates of "project-related" vehicle trips that would occur along the local roadway network. The term "project-related" used here refers to traffic that includes not only the direct traffic generated by the project itself but other indirect traffic not related to the project that results from the changes to existing no-project traffic patterns brought about by the project such as the following:

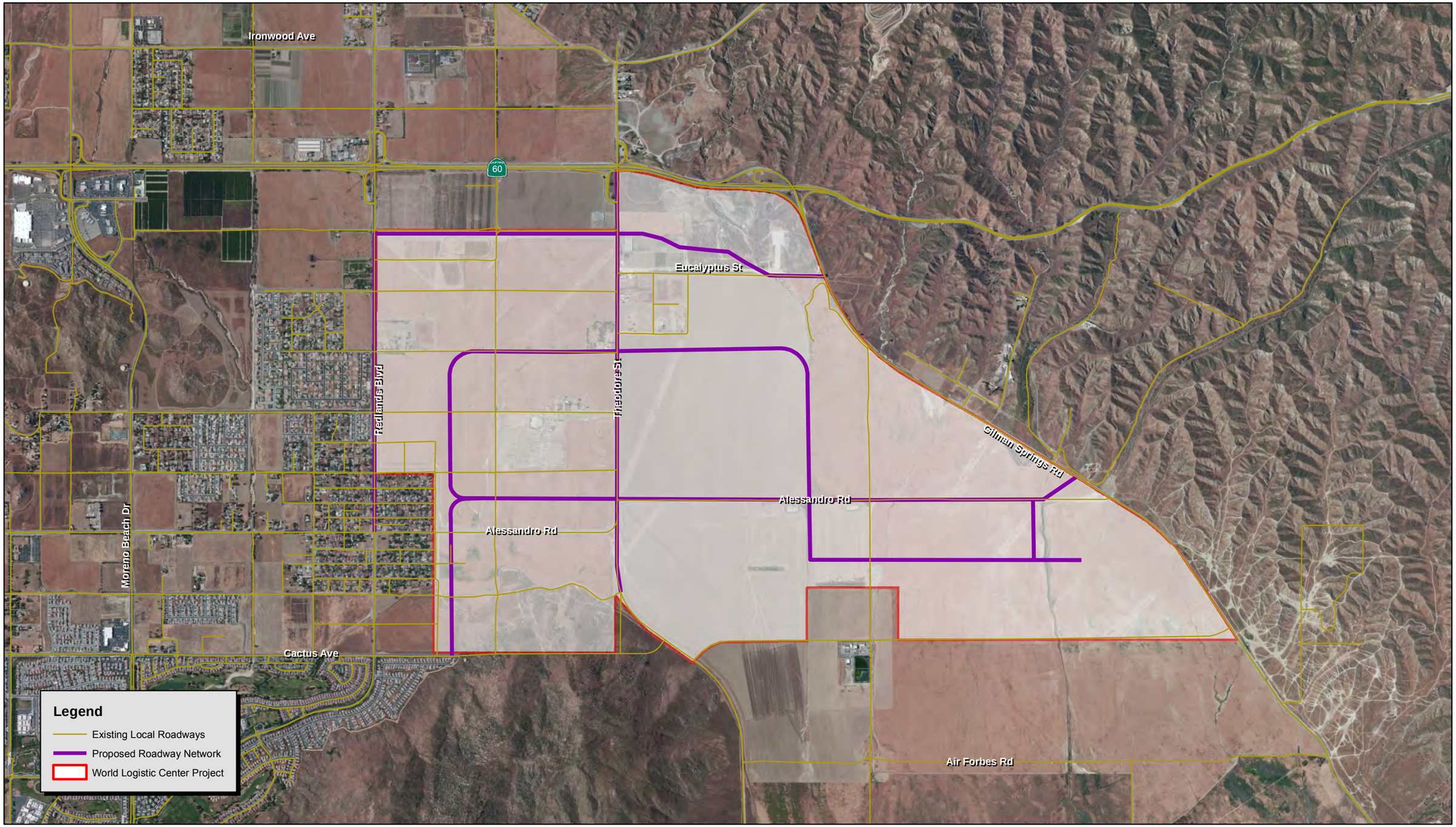
- Many existing and future residents of Moreno Valley would be able to work locally with very short commute trips.
- Residents of neighboring cities who work at the project would have short commutes and, importantly, be able to access the site using the arterial road network. This is consistent with the policies of the Western Riverside Council of Governments and the Riverside County

Transportation Commission to promote use of the arterial road network as an alternative to freeways.

- Workers coming from more distant residences would, in most cases, be traveling on freeways in the off-peak direction; i.e. commuters traveling to the project from Los Angeles or Orange Counties would be headed eastbound in the morning and westbound in the evening. This would enable them to take advantage of the existing capacity of facilities that were sized for flows in the peak direction

Taken together, this means that the project may reduce daily or peak-hour traffic on some portions of the roadway system as well as increasing traffic on the roadway system. These traffic changes are reflected in the computation of project-related traffic volumes associated with the project. A full discussion on the methodology used to estimate traffic impacts can be found in the project traffic impact report (PB 2012).

The automobile and truck traffic generated by the project would travel along several local roadways within and bordering the area of the WLC Specific Plan. As the project-related traffic travels along the roadway network, this traffic would generate air emissions. To examine the local air quality impacts from "project-related" vehicles during operation along the local roadway network, a number of roadway links were identified for analysis. The roadway links analyzed in this assessment are identified in Exhibit 10. Both daily and peak hour project traffic project-related volumes were estimated as part of the traffic impact report along each of these roadway segments for passenger cars, and light, medium, and heavy duty trucks during the years 2012 (existing), 2017 (Phase 1 buildout), 2022 (Phase 2 buildout), and 2035 (long term planning year). The daily and peak hour traffic volumes along these roadway segments are provided in Appendix E, Localized Spreadsheets and AERMOD Output, of this report.



Source: Google Earth March 2011

NORTH

1,900 950 0 1,900 Feet

Michael Brandman Associates

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Exhibit 10

Air Dispersion Local Roadway Network

Regional Travel

The localized fleet mix is further divided into employee trips and truck/delivery trips for the regional analysis because each trip type has a different trip length and needs to be estimated separately in CalEEMod. Therefore, the localized fleet mix is distributed for the regional analysis and is shown in Table 19. The data in the table are essentially the same as in the localized analysis, but the data are simply shown differently depending on the subtotal used to calculate the percentages.

Table 19: Vehicle Fleet Mix Summary

Vehicle Fleet	Fleet Mix (%)	
	Localized	Regional
Local Trips		
Light duty automobile (LDA)	41.18	51.90
Light duty truck (LDT1)	6.22	7.84
Light duty truck (LDT2)	16.24	20.47
Medium duty vehicle (MDV)	15.700	19.78
Subtotal	*79.34*	*100.00*
Long-Haul Trips		
Light-heavy duty truck (LHDT1)	3.01	14.58
Light-heavy duty truck (LHDT2)	0.48	2.33
Medium-heavy duty truck (MHDT)	4.65	22.55
Heavy-heavy duty truck (HHDT)	12.50	60.54
Subtotal	*20.64*	*100.00*

Notes:
Other vehicle types that are not expected in substantial quantity on the project site and are excluded from the fleet mix include the following: other bus, urban bus, motorcycle, school bus, and motor home.
Source of localized fleet mix: Table 17,
Source of regional fleet mix: Localized percentage divided by localized subtotal.

Trip Lengths

Regional Travel within South Coast Air Basin

The analysis of the project's regional operational emissions requires the specification of an average trip length that takes into account both the miles traveled by employees commuting to work and the truck fleet distributing goods on haul truck routes. Trip lengths for the local trips are from the CalEEMod manual for Riverside-South Coast Air Basin for rural trips for industrial uses and are as follows:

- Commercial-customer (C-C): 15.4 miles, 2 percent.
- Commercial-nonwork (C-NW): 9.6 miles, 28 percent.
- Commercial-work (C-W): 12.6 miles, 70 percent.

The traffic study prepared for the project contains a discussion of the patterns of truck traffic. As shown in Table 20, the weighted average trip length using the traffic study pattern assumptions is 36 miles. However, based on various comments from the SCAQMD regarding trip lengths for trucks going to warehouse and distribution center projects as contained in their published CEQA review correspondence, the trip length used for this analysis is increased to 50 miles to provide a worst-case scenario.

Table 20: Heavy Duty Truck Long-Haul Trip Lengths

Type of Trip	Direction	Determination of Trip Length within the South Coast Air Basin	Truck Trips (%)		Trip Length (miles)
			SCAG Region	RC	
Internal	SCAG region	From the 2012 RTP, take daily truck vehicle miles traveled throughout SCAG counties from Table A12 of the Highways and Arterials chapter (30,201,000) and divide by the internal truck trips for all counties in Table 5 of the Goods Movement Chapter (1,011,993). This is a method identified by the SCAQMD in its CEQA comment letter for the Bandini Industrial Center (South Coast Air Quality Management District 2012d).	87.3	87.9	30
External	North	Project to Lebec, California (northern border of South Coast Air Basin) along I-210 and I-5	2.7	4.0	140
	Northeast Southeast	Distance from project to Cajon Pass along CA-60, I-215, and I-15	1.5	2.2	47
	East	Distance from project to Banning Pass along CA-60 and I-10	0.8	1.1	23
	South	Distance from project to San Diego County line along CA-60, I-215, and I-15	2.0	3.0	50
Port-related/ intermodal	Ports	Distance from project to Ports of Los Angeles/Long Beach along CA-60 and Highway 91	5.7	1.8	79
Weighted average trip length based on values above for SCAG Region					**36**
Weighted average trip length based on values above for Riverside County (RC)					**36**
Trip length used in regional analysis for long-haul trips					**50**

Notes:
SCAG = Southern California Association of Governments; RC = Riverside County.
2012 RTP = SCAG's 2012 Regional Transportation Plan.
Source of truck trip percentage from project specific traffic study, the table "Daily Truck Trips by Major Category" and the figure "Major Truck Flows in the SCAG Region, 2010" (Parsons Brinckerhoff 2012).
Source of trip length: Michael Brandman Associates using methodology described in determination of trip length column.

Local Travel

The localized analysis addresses vehicle travel within the truck yards of each phase of the project site and along adjacent roadways that border the project. The exact physical locations and sizes of the various buildings that would comprise the project are unknown at this time. However, an average trip length within the truck yards for the project's two phases and individual land uses was estimated based on a review of the location of transportation analysis zones located within the WLC Specific Plan and the placement of the existing and planned local roadway network that would comprise the project. For this purpose, an average trip length of 0.6 miles was assigned to the high cube development truck yard areas, 0.3 miles for the light logistics land uses truck yards, and 0.06 miles for the fueling station/convenience store.

Emission Factors

Regional

For the criteria air pollutant analysis, emission factors for the year 2012 as embedded in CalEEMod (EMFAC2007) are used for the "worst-case" scenario. CalEEMod file runs for 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, and 2022 were conducted for both local and long-haul trips. The emission factors for the local trips are from CalEEMod EMFAC2007 with the exceptions for the heavy-heavy duty and medium-heavy duty diesel trucks.

The emission factors for these latter two vehicle classes for the truck CalEEMod files were updated from the CalEEMod default emission factors to reflect the project design feature that requires model year 2010 or newer trucks for all project heavy-heavy duty and medium-heavy duty diesel trucks. These factors were derived from EMFAC2011 for running exhaust emissions and replaced the respective emission factor entries in CalEEMod, which are based on the outdated ARB EMFAC2007 mobile source emission model. The heavy duty truck fleet embedded in the CalEEMod model reflects a vehicle population that spans almost 25 years.

The greenhouse gas emissions estimates as estimated by CalEEMod include reductions from the following two regulations (these regulations are embedded into the emission factors in CalEEMod):

- Regulation - Pavley (AB 1493): Clean car standards would mean replacing some existing vehicles with hybrid, battery, plug-in hybrid, and hydrogen-fueled cell electric vehicles.
- Regulation - Low Carbon Fuel Standard (Executive Order S-01-07): The low carbon fuel standard would reduce carbon intensity in fuels. Carbon intensity is a measure of the greenhouse gas emissions associated with production and use of a fuel. Fuels like natural gas from landfills, dairy biogas, and biodiesel have lower carbon intensity than gasoline or diesel.

Local Emission Factors

The localized assessment employed emission factors derived from the EMFAC2011 mobile source emission model and from emission information available from the US EPA. Emissions from motor vehicles can be characterized as follows:

- Combustion Emissions (grams/mile or grams/hour for idling): Combustion emissions (i.e., exhaust emissions) result from the combustion of fuel and are the main source of emissions for all pollutants. EMFAC has the capability to provide emission rates for user defined vehicle speeds, fuel type, vehicle class, and model year.
- Tire Wear (grams/mile) and Brake Wear (grams/mile): EMFAC has the capability to provide particulate emissions from tires and brakes occurring from operational wear.
- Road Dust (grams/mile) is generated from re-suspension of loose particulate material from the surface of the road as a result of movement of vehicles and wind flow. Road dust emissions are primarily a factor of the amount of re-suspendable particulate matter available on the road surface, fraction of heavy vehicle traffic, and the traffic flow volume on the road. The estimation of road dust emissions was based on the methodology presented by the USEPA in their assessment of road dust emissions from paved roads.

The exhaust emissions for each pollutant are calculated as follows:

$$EI_{Total} = \sum_{i=1}^{n} \left\{ \left[\sum_{s=1}^{m} EF_{is} \times Vol_{is} \times D_{is} \right] + (EF_{idling})_i \times IdVol_i \times T_i \right\}$$

Where:

EI_{Total} = total running exhaust and idling emissions summed over all vehicle classes.

EF_{is} = running exhaust emission factor for each vehicle type and speed (g/mi).

EF_{idling} = idling emission factor for each vehicle class (g/hour).

VOL_{is} = total number of vehicle trips by vehicle class.

$IDVOL_i$ = number of idling vehicles by vehicle class.

D_{is} = distance traveled for each vehicle class for each trip (mile).

T_i = idling hours for each vehicle class (hours).

s = vehicle speed (mph).

$_I$ = vehicle class.

Particulate matter emissions result from not only vehicle travel and idling but also from tire wear, and brake wear. The total particulate matter emission factor then includes the following:

$$PM = PM_r + PM_t + PM_b$$

Where:

PM = Particulate matter emission factor (g/mi).

PM_r = Running exhaust emission factor (g/mi).

PM_t = Tire wear emission factor (g/mi).

PM_b = Brake wear emission factor (g/mi).

The tire wear and brake wear emission factors are derived from the EMFAC2011 emission model for both PM_{10} and $PM_{2.5}$ emissions.

The relevant expression for estimating road dust emissions on paved roads was taken from the USEPA AP-42 methodology as follows

$$Road\ Dust = EF_{rd} \times VMT$$

Where:

Road Dust = Particulate emissions from re-suspended road dust.

VMT = Vehicle miles traveled by all vehicles along the road (mi/day).

EF_{rd} = paved road dust emission factor calculated as:

$$EF_{rd} = k \times (sL)0.91 \times (W)1.02$$

Where:

k = particle size multiplier for the particulate size of interest (lbs/VMT).

sL = silt loading (g/m^2).

W = average weight of all vehicles along the road (tons).

The data sources required to apply the above expressions are discussed in Appendix E, Localized Spreadsheets and AERMOD Output.

Motor vehicle emissions for each category of emissions shown above were estimated for vehicle travel within the project's truck yards, along adjacent and internal roadways, and truck idling within the project's truck yards. Emission factors for the criteria air pollutants were developed for the years 2012, 2017 and 2022. Emission factors for diesel particulate matter were also developed for the long-term planning year 2035. The emission factors for the various pollutants used in the localized analysis are provided in Appendix E, Localized Spreadsheets and AERMOD Output.

Vehicle travel emissions are also dependent on calendar year, vehicle size, and travel speed. The travel speeds used in the analysis were based on the posted speed limits taking into account added traffic in future years and the fact that trucks accelerate as they travel away from the project and decelerate as they approach the project entrances. In this assessment, the following assumptions were made regarding vehicle speeds:

- Travel within the project truck yards: 15 mph, all vehicles
- Travel along internal streets within and along adjacent streets within the WLC Specific Plan: 25 mph for heavy duty trucks (LHDT, MHDT, and HHDT); 35 mph for all other vehicles

Truck idling emissions assumed that each heavy duty truck would idle for 15 minutes per day, pursuant to SCAQMD recommendations.

4.4.2 - Other Emissions Sources

Other emission sources include painting, consumer products, landscaping, electricity, natural gas, water and wastewater, refrigerants, and solid waste. For the other sources, the project is divided into the categories shown in Table 21, to more accurately assess the emissions, since these emission sources depend on the following types of land uses.

Table 21: Project Land Uses for Other Sources

Land Use	Square Feet at Buildout	Percent of Total
Warehouse/logistics	39,517,000	95%
Office (within the warehouse/logistics space)	2,080,000	5%
Convenience store/fueling station	3,000	<1%
Total	**41,600,000**	**100%**
Source: Highland Fairview, personal communication via phone, December 18, 2012.		

Architectural Coatings (Painting)

Paints release VOC emissions. The buildings in the project would be repainted on occasion. CalEEMod overestimates the interior area to be painted for the project, as it is unlikely that the

interior area of the warehouses would be painted. Emissions were estimated for buildout and interpolated for the previous years based on square footage shown in Table 15.

Consumer Products

Consumer products are various solvents used in non-industrial applications that emit VOCs during their product use. "Consumer Product" means a chemically formulated product used by household and institutional consumers including, but not limited to, detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products; but does not include other paint products, furniture coatings, or architectural coatings (California Air Resources Board 2011).

The default emission factor developed for CalEEMod of 0.0000198 pounds VOC per day per square foot is based on a statewide factor and is not applicable to the project. The entire project would not use consumer products as specified above. The warehouses may have small kitchen areas and bathrooms that would use cleaning products. However, the majority of the square footage for the project would be used for warehousing/distribution. Therefore, to estimate VOC emissions from the project, the emission factor is reduced to 25 percent of its original value, to 0.00000495 (4.95E-6) pounds VOC per day per square foot.

Landscape Equipment

CalEEMod estimated the landscaping equipment using the default assumptions in the model. Emissions were estimated for buildout and interpolated for the previous years based on square footage shown in Table 15.

Electricity

There would be emissions from the power plants that would generate electricity to be used by the project (for lighting, etc.).

The Moreno Valley Electric Utility would provide electricity for the project. Electricity greenhouse gas emission factors for the Moreno Valley Electric Utility were not available through EPA's eGRID, the California Public Utilities Commission, or through another readily available source. Emission factors are available in CalEEMod for Southern California Edison, the utility that provides electricity to the surrounding area. Therefore, emission factors for Southern California Edison are used in this analysis.

The default CalEEMod emission factors for Southern California Edison (from the year 2006) are as follows and are used in this analysis:

- Carbon dioxide: 641.26 pound per megawatt hour (lb/MWh).
- Methane: 0.029 lb/MWh.
- Nitrous oxide: 0.011 lb/MWh.

In the year 2006, Southern California Edison had 16.6 percent renewable energy in its portfolio (California Public Utilities Commission 2011). The California renewable energy regulations require that electricity providers contain a minimum of 33 percent renewable energy in their portfolios by the year 2020. Therefore, an additional 16.4 percent reduction from the increase of renewable energy would be anticipated by the year 2020. However, reductions from the Renewable Portfolio Standards are not accounted for in the analysis.

Electricity consumption for the project is shown in Table 22.

Table 22: Project Electricity Consumption

Land Use	Building Area (SF)	Electrical Consumption (KWh/year)	Electrical Intensity (KWh/SF/year)
All project uses	41,600,000	385,697,894	9.272

Notes:
SF = square feet KWh = kilowatt hours
Source of electrical consumption: Utility Specialists 2012.

CalEEMod has three categories for electricity consumption: electricity that is impacted by title-24 regulations, non-title-24 electricity, and lighting. The Title 24 uses are defined as the major building envelope systems covered by California's Building Code Title 24 Part 6, such as space heating, space cooling, water heating, and ventilation. Lighting is separate since it can be both part and not part of Title-24. Since lighting is not considered as part of the building envelope energy budget, CalEEMod does not consider lighting to have any further association with Title 24 references in the program. Non-Title 24 includes everything else such as appliances and electronics. In order to properly divide the total electricity consumption into the three categories, the percentage for each category is determined by using percentages derived from the CalEEMod default electricity intensity, which are shown in Table 23. Because the project's electricity usage is not divided into land use type, the worst-case scenario of using the warehouse percent intensity is used in this analysis. Use of the percentages in Table 23 are applied to the electricity consumption shown in Table 22 to result in the values used in the analysis shown in Table 24.

Table 23: CalEEMod Default Electricity Intensity

	Units	Title-24	Non-Title-24	Lighting	Total
Unrefrigerated warehouse - no rail*	KWh/sq ft/year	0.5	0.8	1.8	3.1
Percent of total	*%*	*16.1*	*25.8*	*58.1*	*100.0*
Office park	KWh/sq ft/year	3.8	2.6	4.8	11.2
Percent of total	*%*	*33.9*	*23.2*	*42.9*	*100.0*

Notes:
* The warehouse electricity intensity is used in this analysis; KWh/sq ft/year = kilowatt hours per square foot per year.
Source of electricity intensity: Appendix D of the CalEEMod Manual for Climate Zone 10.

Table 24: Project Electricity Intensity

Land Use	Electricity Intensity (KWh/Sq Ft/year)			
	Title-24	Non-Title-24	Lighting	Total
All project land uses	1.493	2.392	5.387	9.272

Sources: The total electricity intensity is from Table 22; the other values are calculated from the total using the percentages for the warehouse in Table 23.

Natural Gas

There would be emissions from the combustion of natural gas used for the project (water heaters, heat, etc.). CalEEMod has two categories for natural gas consumption: title-24 and non-title-24. For an office park, approximately 100 percent of the natural gas consumption is impacted by Title-24 regulations (Appendix D of the CalEEMod manual). The project's natural gas consumption is shown in Table 25. The estimates for buildout were made by CalEEMod and were applied to earlier years as a percentage of the square feet.

Table 25: Project Natural Gas Consumption

Land Use	Consumption (cf/year)	Consumption (cf/sq ft/year)	Consumption (kBtu/sq ft/year)
Unrefrigerated warehouse, logistics, and support	0	0	0.00
Office space	24,960,000	12	12.348
Total	**24,960,000**	**12**	**12.348**

SF = square feet; cf = cubic feet
KBtu = one thousand British thermal units, which is converted from cf by multiplying by 1.029. It was converted to kBtu/SF by dividing by 2,080,000 SF.
Source: Utility Specialists 2012.

Water and Wastewater

There would be greenhouse gas emissions from the use of electricity to pump water to the project and to treat wastewater. The applicant conducted a water usage analysis; therefore, CalEEMod default water usage is not used. A summary of the project's water consumption is shown in Table 26. Emissions for buildout are estimated by CalEEMod and are calculated for prior years based on the square footage anticipated in those years.

Table 26: Project Water Consumption

Units	Building Area (SF)	Water Use		
		Total	Indoor	Outdoor
Gallons per year	41,600,000	647,510,000	151,840,000	495,670,000
Acre feet per year	41,600,000	1,991	466	1,522

Notes:
SF = square feet.
Source of indoor water use: The Water System Analysis (CH2M Hill 2012) indicates a water demand factor of 0.01 gallons per day per square feet for the project. The project proposes 41.6 million square feet of development; therefore, water usage would be 416,000 gallons per day, or 151,840,000 gallons per year (466 acre feet per year).
Source of outdoor water use: The Recycled Water Analysis for the project (CH2M Hill 2012) indicates that the project would have an average irrigation water demand of 1,358,000 gallons per day, which was multiplied by 365 days/year.

Refrigerants

Refrigerants may be used in air conditioning for the offices. Refrigerants are hydrofluorocarbons, which have a high global warming potential, and normally range from around 1,000 to 3,000. The emissions take into account reductions from state the regulation, High Global Warming Potential Stationary Source Refrigerant Management Program. Procedures and assumptions for estimating the emissions are shown in Appendix A, CalEEMod Output and Regional Emissions Spreadsheets.

Solid Waste

Greenhouse gas emissions would be generated from the decomposition of solid waste generated by the project. CalEEMod was used to estimate the greenhouse gas emissions from this source.

Waste from the project could initially be delivered to the Badlands Sanitary Landfill, which installed a landfill gas energy capture recovery system in 2011 (Riverside County Waste Management Department 2010). However, the Badlands Sanitary Landfill anticipates closure in 2024; therefore, the project after full buildout in 2022 would only be able to send waste there for a couple of years.

The Landfill Methane Control Measure (California Air Resources Board 2010b) requires owners and operators of certain uncontrolled landfills to install gas collection and control systems, and requires existing and newly installed gas and control systems to operate in an optimal manner. The greenhouse gas emissions in California in 2020 are estimated to be 7.7 million $MTCO_2e$ for the waste sector. These standards are expected to reduce emissions by 1.5 million $MTCO_2e$, or 19 percent

(California Air Resources Board 2010). However, reductions attributed to this regulation are not included in this analysis because of the uncertainty of the landfill that will be used for the project's waste.

The mix of landfill types used in the analysis are as follows:

- Landfill no gas capture: 6 percent
- Landfill capture gas flare: 94 percent
- Landfill capture gas energy recovery: 0 percent

The solid waste generation from the project is shown in Table 27. The emissions at buildout are estimated by CalEEMod and are applied to earlier years based on a percentage of the square footage shown in Table 15.

Table 27: Waste Generation

Land Use	Size at buildout (KSF)	Disposal Rate (tons/KSF/year)	Waste at buildout (tons/year)
Unrefrigerated warehouse	39,517	7.90	312,184
Office park (within the warehouses)	2,080	11.92	24,794
Convenience store	3	0.07	<1
Fueling station	12 pumps	3.81	46
Total	**41,603**	**—**	**337,024**

Notes:
KSF = thousand square feet
Source of disposal rate: Appendix D of the CalEEMod manual (Table 10.1).

Land Use Change

The project would construct buildings onsite as well as asphalt parking areas, thereby changing the land use and reducing potential carbon sequestration. To estimate the emissions from this category, CalEEMod was used and the inputs are shown in Table 28.

Table 28: Land Use Change

Vegetation Land Use Type	Vegetation Land Use Subtype	Initial Acres	Final Acres	CalEEMod Default Accumulation (tons CO_2/acre/year)
Cropland	Cropland	2,710	45	6.2

Source: Project description and CalEEMod defaults.

Carbon Sequestration (New Trees)

The project would plant trees and integrate landscape into the project design, thereby increasing carbon sequestration. There is estimate of the number of trees to be planted in the Specific Plan or in the EIR project description. Therefore, the number of trees is estimated as shown in Table 29. This inventory does not represent actual future plantings, which would be refined later during individual building plans.

The Specific Plan indicates the following regarding trees:

- Parking area: Specific Plan measure 5.3.3 (Landscape Criteria) requires that parking area trees include one diamond planter and tree per every three parking stalls, which equates to two trees for every parking stall not including setback or planter trees.
- Building perimeters: Specific Plan measure 5.3.5 (Minimum Landscape Setbacks at Buildings) indicates that trees along building and site perimeters are required at a minimum average spacing of 1 tree per 30 linear feet of perimeter.
- Tree size: Specific Plan measure 5.3.4 (On-Site Landscape Planting) specifies that all trees are to be a minimum of 15 gallons.
- Streetscapes: Specific Plan section 4.2.3 (Streetscapes) indicates that trees are required along all street frontages.

Table 29 displays the estimated tree inventory. There would also be trees in the project entryways, the roundabouts, and the CDFG (Fish & Game detention areas); however, those were not included for a worst-case scenario.

Table 29: Estimated Tree Inventory

Project Location	Tree Inventory Calculation Details[4]	Tree Species[3]	Trees
Automobile parking	1 tree / 6 stalls x 10,981 stalls[1]	Average [2]	1,830
Building perimeters	Assuming an average of 1,500,000 sq. ft. per building; take the square root and multiply by 4 yields the building perimeter (4,900 feet x 27.8 buildings = 136,220 feet); 1 tree per 60 feet	Average [2]	2,270
Redlands Boulevard, Bay Street	Length = 6642 feet / 40 feet (1 side of road)	Pine	55
		Blue Palo Verde	55
		Sweet Acacia	55
Gilman Springs Road	Length = 12257 feet / 40 feet (1 side of road)	Afghan Pine	306

Table 29 (cont.): Estimated Tree Inventory

Project Location	Tree Inventory Calculation Details[4]	Tree Species[3]	Trees
60 freeway	Length = 4684 feet / 40 feet (1 side only)	Afghan Pine	59
		Date Palm (25' trunk height)	59
Street A	Length = 8656 feet / 40 feet x 2 sides of street	Chilean Mesquite/ Algarrobo	216
		Mexican Fan Palm (30' trunk height)	216
Eucalyptus Street	Length = 5350 feet / 40 feet (1 side of road)	Brisbane Box	45
		Afghan Pine	45
		Date Palm (30' trunk height)	45
Street B	Length = 4418 feet / 40 feet x 3 (two sides of street and median)	Brisbane Box	330
Streets C, D, E, F, G, H	Length = 38363 feet / 40 feet x 2 sides of street	Chilean Mesquite/ Algarrobo	1,918
Total			**7,504**

Notes:
1 Table 9.11.040C-12 in Moreno Valley Code states that warehouse and distribution uses are required to have 1/1,000 sq. ft. of gross floor area for the first 20,000 sq. ft.; 1/2,000 sq. ft. of gross floor area for the second 20,000 sq. ft.; 1/4,000 sq. ft. of gross floor area for areas in excess of the initial 40,000 sq. ft. Assuming 27.8 buildings each 1,500,000 sq. ft. in size yields 10,981 stalls
2 The tree types are not specified in Specific Plan; therefore, the average from Table 33 was used.
3 If more than one species is listed for a project location, the species are distributed evenly.
4 Calculations assume one tree per 40 feet of distances listed, as an average.
Source: World Logistics Center Specific Plan and Michael Brandman Associates.

Although CalEEMod does have some calculations to estimate carbon sequestration from new trees, the carbon sequestration rates from the Center for Urban Forest Research (CUFR) Tree Carbon Calculator provide specific species information. Table 30 displays the carbon dioxide sequestration rates per tree from the CUFR Tree Carbon Calculator for tree species at 5 years and 10 years old. As shown in the table, generally, the older the tree is, the higher the sequestration rate. Therefore, for purposes of this analysis, the rate at 5 years is used as a worst-case scenario.

Table 30: Tree Carbon Sequestration Rates (Age of Tree)

Tree Species	Code	CO_2 sequestration (lb/tree/year)	
		5 years	10 years
Afghan Pine	PIBR2	47.3	161.0
Blue Palo Verde	CEFL	14.6	53.3

Table 30 (cont.): Tree Carbon Sequestration Rates (Age of Tree)

Tree Species	Code	CO_2 sequestration (lb/tree/year)	
		5 years	10 years
Brisbane Box	TRCO	40.1	36.8
Chilean Mesquite/algarrobo	PRCH	36.1	100.3
Crape Myrtle sp.	LAIN	2.0	3.6
Desert Willow	CHLI	4.9	15.1
Sweet acacia	ACFA	17.0	38.0
Sycamore	PLRA	41.7	109.5
Average	—	24.0	55.4

Notes:
The rate at 5 years is used in this analysis; 10 years is shown for informational purposes, to demonstrate that the trees will increase sequestration rates over time.
Source: CUFR Tree Carbon Calculator (2012) - the model does not provide model output

Table 31: Tree Carbon Sequestration Rates (Height of Tree)

Tree Species	Code	CO_2 Sequestration (lb/tree/year)	
		25 feet	30 feet
Date Palm	PHDA4	14.8	15.0
Mexican Fan Palm	WARO	26.9	26.4

Source: CUFR Tree Carbon Calculator (2012) - the model does not provide model output.

Table 32: Tree Carbon Sequestration Estimates

Type of Tree	Trees	CO2 Sequestration (lb/tree/year)	CO2 Sequestration (tons/year)
Average	4,100	24.0	49
Afghan pine	465	47.3	11
Blue Palo Verde	55	14.6	<1
Sweet Acacia	55	17.0	<1
Date Palm	104	14.8	1
Chilean Mesquite/Algarrobo	2134	36.1	39
Mexican Fan Palm (30' trunk height)	216	26.4	3
Brisbane Box	375	40.1	8
Total	**7,504**	**—**	**111**

Source: Michael Brandman Associates (using the data in prior tables)

4.5 - Local Significance Threshold Analysis

4.5.1 - Localized Analysis Methodology

SCAQMD has developed Localized Significance Threshold (also known as "LST") methodology that can be used to determine whether or not a project may generate significant adverse localized air quality impacts and substantially affect sensitive receptors. The evaluation of localized air quality impacts determines the potential of the project to violate any air quality standard, contribute substantially to an existing or projected air quality violation, or expose sensitive receptors to substantial pollutant concentrations. According to the SCAQMD LST assessment methodology, the assessment of localized impacts addresses only those emissions that are generated "onsite," that is for the purposes of this project, emissions generated from within or along the boundaries of the WLC Specific Plan.

To evaluate localized impacts for construction and operation, an air dispersion model (EPA model, AERMOD) was used to simulate the movement of project related air pollutants through the air and output air concentrations of those pollutants at receptor locations surrounding the project. The estimated concentrations provide conservative estimates (in terms of likely over-predictions) and may not represent actual occurrences. The methodology follows SCAQMD modeling guidance for AERMOD, where applicable (South Coast Air Quality Management District 2011f). Table 33 lists the general model assumptions used in the localized significance threshold assessment.

Table 33: General Air Dispersion Modeling Assumptions

Feature	Assumption
Terrain processing	Complex terrain; elevations were obtained for the project site using the EPA AERMAP terrain data pre-processor
Emission source configuration	See Table 34 and Table 35
Regulatory Dispersion Options	Default Assumptions Used
Land Use	Urban: County of Riverside population provided by the SCAQMD (2,100,516)
Coordinate System	Universal Transverse Mercator
Meteorological Data	SCAQMD Riverside Meteorological Data for 2005-2007
NO_2 Assessment Methodology	Ozone Limiting Method using ozone data from the SCAQMD Riverside air monitoring station for 2005-2007
Receptor Height	0 meters
Receptor Location	Receptor locations were defined both within and outside of the WLS Specific Plan boundaries. Special attention was focused on the placement of receptors within the existing sensitive residential areas located within the WLC Specific Plan to the west of the project across Redlands Boulevard. Exhibit 12 displays the locations of the receptors where the project's air quality impacts were estimated from the local air dispersion modeling

Table 34 summarizes the emission source characteristics during construction. For the unmitigated scenario, it is assumed that construction equipment would be in operation for 15 hours per day.

Table 34: Project Localized Analysis Construction Emission Source Assumptions

Emission Source Type	Description	Relevant Assumptions
Onsite: Off-road Construction Equipment	Area Source	• Stack release height: 5 meters • Emissions derived from the CalEEMod land use emission model • Area sources defined for both daily and annual construction as per the construction schedule
Onsite: Fugitive Dust	Area Source	• Release height: 1 meter • Emissions derived from the CalEEMod land use emission model • Area sources defined for both daily and annual construction as per the construction schedule
Offsite: Construction Vehicle Travel	Line Source	• Line source extending from the center of the project along Theodore Street to SR60 and west on SR60 to I215 • Construction vehicle emissions derived from the CalEEMod land use emission model
Source: Michael Brandman Associates, 2012.		

To estimate air quality impacts for time periods of 24 hours or less, an area source of 140 acres was assumed within the requisite development areas in 2013 and 2017 based on the amount of acreage that would be disturbed in a single day as derived from the CalEEMod model. The onsite daily and annual emissions used in the localized analysis are shown in the spreadsheet summaries provided in Appendix A, CalEEMod Output and Regional Emissions Spreadsheets, which summarize the CalEEMod output.

The characterization of the project's operational emission sources as required by the air dispersion model is provided in Table 35. It is assumed for this analysis that facility operations would occur for 24 hours per day, 7 days per week, 365 days per year.

Table 35: Project Localized Analysis Operational Emission Source Assumptions

Emission Source Type	Description	Relevant Assumptions
Onsite vehicle traffic within the truck yards	Area Source	• Stack release height: 13 feet for all vehicles • Vehicle Speed: 15 mph • Vehicle trip length based on a review of the layout of the project development phases in relation to the local roadway network - High cube warehouse:0.6 miles - Light logistics:0.3 miles and gas compressor utility: 0.06 miles • Emission factor: ARB EMFAC2011
Onsite diesel truck idling within the truck yards	Area Source	• Stack release height: 13 feet • Idle time: 15 minutes per truck per day • Vehicle type: heavy duty diesel delivery trucks • Emission factor: ARB EMFAC2011
Local Roadway Vehicle Travel	Line Sources	• Line sources located along roadway network displayed in Exhibit 10 • Line source width equal to the width of the roadway plus 3 meters on both sides • Vehicle speeds: - Heavy duty trucks: 25 mph on local roadways - All other vehicles: 35 mph on local roadways • See Appendix E, Localized Spreadsheets and AERMOD Output, for the local roadway traffic volumes
Source: Michael Brandman Associates.		

A graphical representation of the dispersion model operational sources is shown in Exhibit 11. The AERMOD model also requires the placement of a network of receptors, locations where the impacts from the project's emissions are calculated. Exhibit 12 shows the receptor network used in the localized significance threshold analysis. Of particular importance is the dense location of receptors in the residential areas adjacent and to the west of the project across Redlands Boulevard.

4.5.2 - Localized Significance Threshold Analysis Scenarios

The localized significance threshold analysis evaluated two scenarios.

- Scenario 1: Existing + Project: this scenario assumes that the project is fully buildout in 2012, the year that the Notice of Preparation for the project was published.
- Scenario 2: Proposed Development Schedule: this scenario examines the proposed development of the two-phased project with development buildout years for purposes of this assessment of 2017 for Phase 1 and 2022 for Phase 2 as compared to a 2012 baseline

Scenario 1 represents a worst case since the project could not be physically buildout in its entirety in a single year and does not reflect the fact that the project would be expected to be developed over a

time period of at least 10 years depending on market demands for warehouse space. Scenario 1 also provides consistency with the project traffic impact analysis and noise reports which examine the Existing (2012) plus project condition. This assumption; however, also does not account for the fact that emissions from mobile sources particularly from heavy duty diesel trucks are expected to decline significantly over the next 10 to 15 years as a result of emission controls already mandated by the ARB specifically for these vehicles. These results are compared to the existing air quality levels in 2012.[5]

Scenario 2 represents the proposed project development including the localized impacts during construction and operation over the time period of 2013 to 2022. These results are compared to the existing air quality levels in 2012. Scenario 2 examined three time periods:

- The year 2013, the year with the highest construction emissions.
- The year 2017, the year with the highest total emissions from both construction and operation and the first year during which project construction and the Phase 1 buildout operations would overlap.
- The year 2022, the first year with the complete buildout of the project.

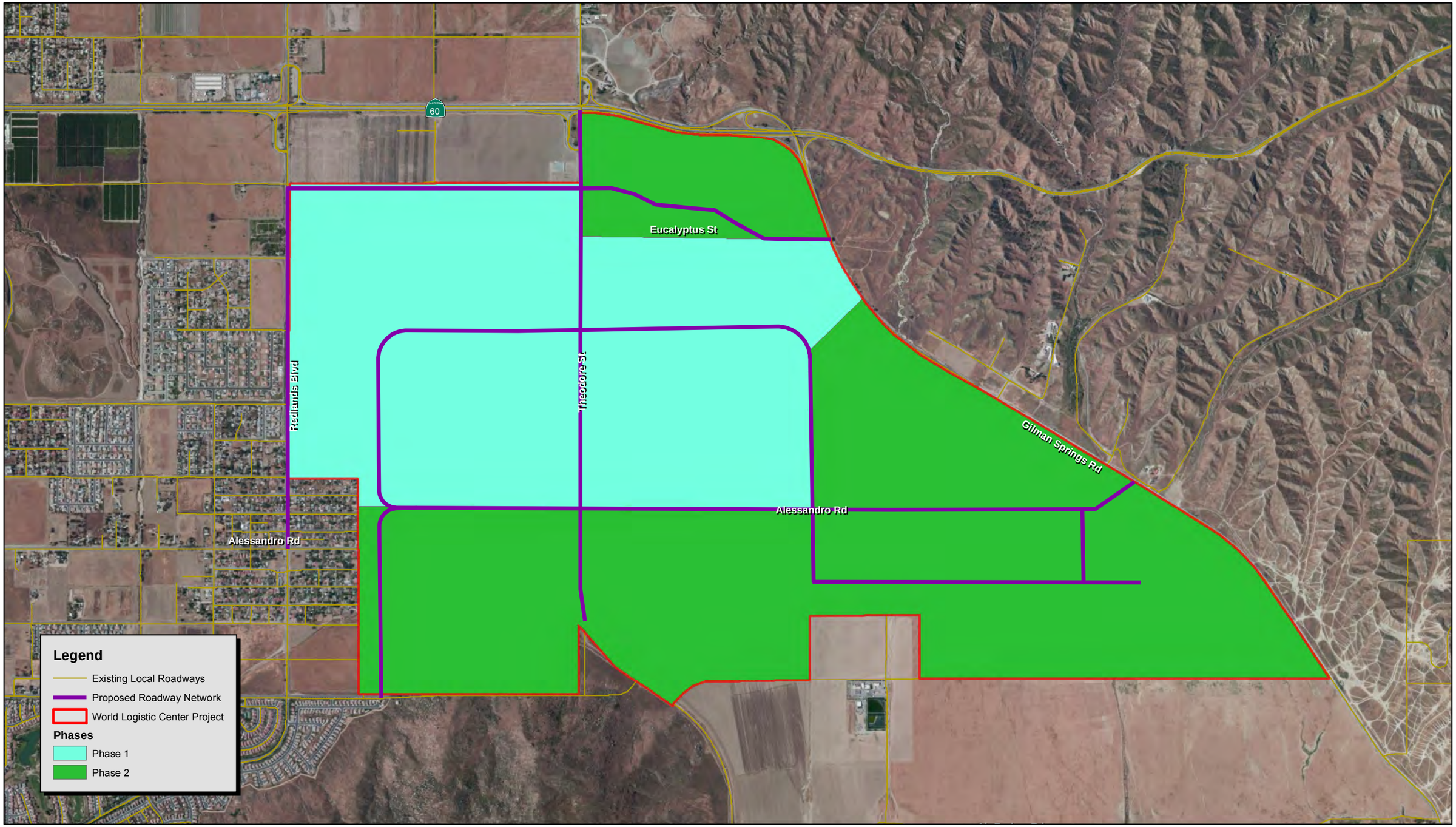
4.6 - Health Risk Assessment Methodology

4.6.1 - About Health Risk Assessments

A health risk assessment (HRA) is a guide that helps to determine if current or future exposures to a chemical or substance could affect the health of a population. The State of California Office of Environmental Health Hazard Assessment (OEHHA) develops methods for conducting health risk assessments. As defined under the Air Toxics "Hotspots" Information and Assessment Act of 1987 ["AB 2588" (Chapter 1252, Statutes of 1987), California Health and Safety Code Section 44306], "A health risk assessment means a detailed comprehensive analysis prepared pursuant to Section 44361 to evaluate and predict the dispersion of hazardous substances in the environment and the potential for exposure of human populations and to assess and quantify both the individual and population-wide health risks associated with those levels of exposure" (Office of Environmental Health Hazard Assessment 1987).

This HRA builds upon the methodology described above in the localized air quality assessment by examining the regional nature of the project's potential health risk impacts. The HRA methodology applies a risk characterization model to the results from the air dispersion model to estimate potential health risks at each sensitive receptor location. . However, unlike the localized assessment, which looks at impacts within a specific year, the HRA examines the impacts over extended exposure time, which in the case of cancer risk is a 70-year lifetime exposure.

[5] The existing air quality levels in 2012 are actually represented by the highest monitored levels at the SCAQMD Riverside air monitoring station during the past three years (2009, 2010, and 2011). No air quality data summaries have been published by the ARB or SCAQMD for the complete year for 2012.



Source: Google Earth March 2011

NORTH

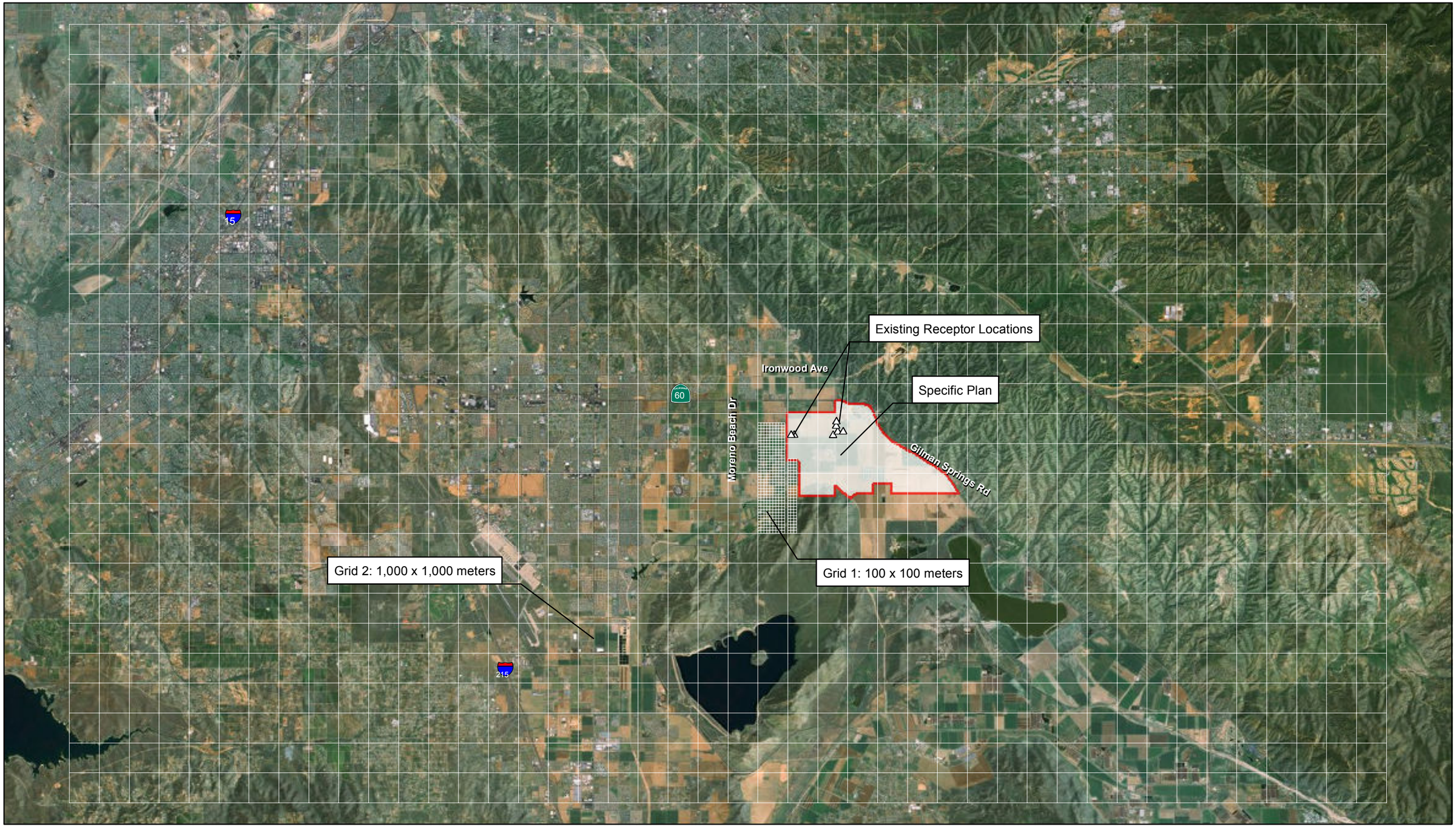
1,900 950 0 1,900 Feet

Michael Brandman Associates

26100026 • 12/2012 | 3_local_aerial.mxd

Exhibit 11
LST Operational Emission Sources

HIGHLAND FAIRVIEW OPERATING COMPANY • WORLD LOGISTICS CENTER PROJECT
AIR QUALITY, GREENHOUSE GAS, AND HEALTH RISK ASSESSMENT REPORT



Source: Google Earth March 2011

Michael Brandman Associates

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Exhibit 12

Air Dispersion Model Receptors for the LST Assessment

HIGHLAND FAIRVIEW OPERATING COMPANY • WORLD LOGISTICS CENTER PROJECT
AIR QUALITY, GREENHOUSE GAS, AND HEALTH RISK ASSESSMENT REPORT

The methodology applied in calculating cancer risk from toxic air contaminants (TACs) has been published by the SCAQMD and the California Office of Environmental Health Hazard Assessment (OEHHA). In this regard, cancer risk is expressed as the probability of an individual developing cancer due to exposure to toxic air contaminant (TAC) emissions out of a population of 1 million individuals. Thus, a receptor calculated to have a cancer risk of 1 in one million means that this receptor has a probability of 1 person in 1 million of developing cancer from the continuous exposure to TACs.

The methodology basically assumes that a person is exposed continuously to a project's TAC emissions for a period of 350 days per year, 24 hours per day over a 70-year lifetime period. The SCAQMD has established a significance threshold of 10 in 1 million for cancer risk attributable to exposure to a project's emissions. Project-related cancer risks at sensitive receptors exceeding this significance threshold are considered by the SCAQMD to result in significant health risk impacts for purposes of CEQA compliance.

Clearly, this methodology provides a very conservative estimate of health risk given that an individual would not typically reside in any one location for a 70-year period and be continuously exposed over that period 350 days per year, 24 hour per day. Exposure duration is one factor in determining the estimation of cancer risk. In a recent study prepared by the California Office of Environmental Health Hazard Assessments (OEHHA 2012), OEHHA concluded that from examining US census data from 2006 to 2009, over 90 percent of California householders had lived at their current home address for less than 30 years, and over 63 percent householders had lived at their current residence for 9 years or less.

Other California surveys indicate that during the period 2000-2001, on average, Californians spend approximately 73 percent of their time at home per day. When looking at the data by age group, the time increases to 85 percent for children under 2 years old. Children that are 2 years or older but less than 16 years old spend 72 percent of their time at home; whereas, Californians that are16 years or older spend 73 percent of their time at home. In addition, all ethnicity groups spend 71 percent to 74 percent of their time at home. The data also demonstrate a trend where the higher the total household income is, the less time the residents spend at their home

Thus, the cancer risk methodology applied in this HRA will produce conservative estimates of health risks (in terms of over-estimating impacts).

Exposures to TACs such as diesel PM can also cause chronic (long-term) related non-cancer illnesses such as reproductive effects, respiratory effects, eye sensitivity, immune effects, kidney effects, blood effects, central nervous system, birth defects, or other adverse environmental effects.

4.6.2 - Risk Assessment Methodology

The construction and operation of the project would result in the release of TACs from the operation of diesel-powered equipment and vehicles. Exposures to TACs would have the potential to cause health risks in terms of excess risk of cancer and non-cancer health effects as discussed below.

Toxic Air Contaminants of Concern

The most important TAC emitted by the project with respect to health risk is diesel particulate matter (diesel PM) from off-road construction equipment and from the operation of diesel-fueled vehicles during operations. As noted earlier, between 80 to 85 percent of the estimated airborne cancer risk within the SCAQMD is due to diesel PM from all sources located within the South Coast Air Basin. Other TACs are also associated with the operation of gasoline vehicles and include pollutants such as benzene, 1,3-butadiene, formaldehyde, acetaldehyde, ethyl benzene, and naphthalene. Appendix F, Health Risk Assessment Spreadsheets and AERMOD Output, provides a brief discussion related to the relative toxicity of the various TACs of concern from gasoline combustion with respect to diesel PM. This discussion concluded that the potential cancer risks associated with the TACs from gasoline combustion emissions from the project's gasoline vehicles are substantially less than the potential cancer risks from the project's diesel PM emissions Less than 2 percent of the total cancer risk from the project's vehicles can be attributed to the gasoline TACs which are not, therefore, included in this assessment. As a consequence, the focus of this assessment was on estimating potential health risks associated with the project's diesel PM emissions.

The most relevant health effects of diesel PM were discussed earlier in Table 6 above.

Cancer Health Risk Assessment Methodology

The cancer risk from diesel PM is calculated by multiplying an average diesel PM concentration calculated using the AERMOD air dispersion model and an inhalation exposure factor as in Equation 1 below (Office of Environmental Health Hazard Assessment 2003).

Cancer Risk = Inhalation cancer potency factor (CPF) x Dose-inhalation (EQ-1)

Where:

Cancer Risk = Total individual lifetime excess cancer risk defined as the cancer risk a hypothetical individual faces if exposed to carcinogenic emissions from a particular facility; this risk is defined as an excess risk because it is above and beyond the background cancer risk to the population contributed by emission sources not related to the project; cancer risk is expressed in terms of risk per million exposed individuals.

Inhalation cancer potency factor (CPF) = 1.1 (milligrams per kilogram per day)$^{-1}$ for diesel PM;

Dose-inhalation = C_{air} x (DBR x EF x ED x 10^{-6} /AT) x 10^{6} (EQ-2)

C_{air} is the average diesel PM concentrations calculated from the AERMOD model in $\mu g/m^3$.

DBR is the average daily breathing rate (L/kg of body weight - day)

EF is the exposure frequency (days per year)

ED is the exposure duration (years)

AT is the time period over which the exposure is calculated (days).

The values listed in the cancer risk equations are shown in Table 36.

Table 36: Inhalation Exposure Factor Values for Sensitive Receptors

Receptor	CPF - diesel PM $(mg/kg\text{-}dy)^{-1}$	DBR (liters/kg-day)	EF (days/yr)	ED (yrs)	AT (days)
Sensitive/Residential	1.1	302	350	70	25,550

Notes:
CPF = cancer potency factor diesel PM = diesel particulate matter DBR = daily breathing rate
EF = exposure frequency ED = exposure duration
AT = average time period over which the exposure is averaged.
Source: South Coast Air Quality Management District 2005a.

Applying the cancer risk equations with the values for the various factors shown in Table 36, the Cancer Risk for D PM is then calculated as:

$$\text{Sensitive/Residential Cancer Risk}_{\text{diesel PM}} = C_{\text{diesel PM}} \times 318.5 \qquad \text{(EQ-3)}$$

Where:

Cancer $\text{Risk}_{\text{diesel PM}}$ = lifetime 70-year cancer risk from diesel PM emissions (risk/million)

$C_{\text{diesel PM}}$ = average diesel PM concentration from the AERMOD model in $\mu g/m^3$ over the lifetime 70-year exposure period

The total lifetime cancer risk over 70-years for sensitive receptors incorporating the risks from both project construction and operations was estimated for the time period 2012 to 2081 as follows for sensitive receptors:

$$\text{Cancer Risk}_{\text{diesel PM70-yr}} = \text{Cancer Risk}_{2012} + \text{Cancer Risk}_{\text{Construction(2013-2021)}} + \text{Cancer Risk}_{\text{Operations(2017-2081)}} \qquad \text{(EQ-4)}$$

Since the project does not exist in 2012, the project's cancer risk impact in this year is set to zero.

Non-Cancer Health Risk Characterization

Chronic Non-Cancer Impacts

Exposures to TACs such as diesel PM can also cause chronic (long-term) related non-cancer illnesses such as reproductive effects, respiratory effects, eye sensitivity, immune effects, kidney effects, blood effects, central nervous system, birth defects, or other adverse environmental effects. Risk characterization for non-cancer health risks from diesel PM is expressed as a hazard index (HI). The HI is a ratio of the predicted concentration of a project's emissions to a concentration considered acceptable to public health professionals, termed the Reference Exposure Level (REL). A significant risk is defined by the SCAQMD as an HI of 1 or greater. When evaluating chronic non-cancer effects due to TAC exposures, a hazard quotient (HQ) is established for each individual TAC as follows and for each target organ[6] affected by the individual TAC:

$$HQ_i = C_{air}/REL_i \qquad \text{(EQ-5)}$$

Where:

HQ_i = chronic hazard quotient for each TAC

C_{air} = Annual average concentration of each TAC ($\mu g/m^3$)

REL = Chronic Reference Exposure Level ($\mu g/m^3$)

To evaluate the potential for adverse non-cancer health effects from simultaneous exposure to multiple TACs, the HQs for all TACs that affect the same target organ are summed yielding a hazard index (HI) as follows:

$$HI_{to} = \Sigma_{to}\, HQ_{tac} \qquad \text{(EQ-6)}$$

Where:

HI_{to} = sum of the hazard quotients for all TACs affecting the same target organ

HQ_{tac} = hazard quotient for TAC and target organ.

[6] A target organ is a biological organ(s) most adversely affected by exposure to a chemical substance and includes the respiratory system, cardiovascular system, eyes, nervous system, hematological system, immune system, reproductive system, developmental system, skin, and endocrine system

The California OEHHA has assigned a chronic non-cancer REL of 5 $\mu g/m^3$ for diesel PM (Office of Environmental Health Hazard Assessment 2011) for diesel PM. Diesel PM has effects on the respiratory system, which accounts for essentially all of the potential chronic non-cancer hazards from diesel PM. Therefore, the only HI calculated was for the respiratory system.

Acute Non-Cancer Impacts

The OEHHA has not defined a non-cancer acute reference exposure level for diesel PM. Therefore, the focus of this assessment is on potential chronic non-cancer risks.

4.6.3 - Health Risk Model

The AERMOD air dispersion model and Riverside meteorological data used previously in the project's construction and operational local significance threshold analyses were also used to estimate both cancer and chronic non-cancer risks from the emissions of diesel PM during both construction and operations.

The HRA, however, is characterized by two important differences from the localized significance threshold assessment. According to the SCAQMD localized significance threshold assessment methodology, the assessment of localized impacts addresses only those emissions that are generated "onsite", that is for the purposes of this project, emissions generated from within the boundaries of the specific plan. However, for purposes of the HRA, both the universe of the project's diesel PM emission sources and air dispersion model receptors were greatly expanded to assess the regional impact of the project's diesel PM emissions. For this purpose, the project's diesel PM emission sources included nearly 500 individual arterial road and freeway mainline segments in the region that extended from Beaumont to Pomona in the east-west direction and from Hemet/San Jacinto to Rancho Cucamonga in the north-south direction, roughly an area of 2,500 square miles. The study area for the arterial roads covered all intersections in the City of Moreno Valley of a collector or higher classification street with another collector street or higher classification street at which the project would add 50 or more peak hour trips. The study area also included the main routes between the project and neighboring communities of Riverside, Perris, Beaumont, San Jacinto, and Redlands. The analysis extended west to the nearest ramps to SR-91 and as far south as the I-215 ramps at Redlands Avenue in Perris. The study area for freeways was selected to cover the freeway routes radiating from the project site to the north, south, east, and west. The analysis covered SR-60 from SR-62 in the east to SR-71 in the west, SR-91 from I-215 in the east to I-15 in the west, and I-215 from SR-210 in the north to the Scott Road interchange in the south. These limits represent the extreme range of the transportation impact model, RIVTAM, in the transportation model's capacity to predict real differences between with- and without-project scenarios (see the Parsons-Brinkerhoff transportation impact study prepared for the project). Beyond these limits project traffic would be so small in absolute terms or as a percentage of background traffic that it would no longer be discernable from random error in the model or the normal daily variation in traffic, and routing of the small

amounts of remaining traffic would be influenced by minor local factors (e.g. stop signs, lane widths) that cannot practicably be represented in a regional model.

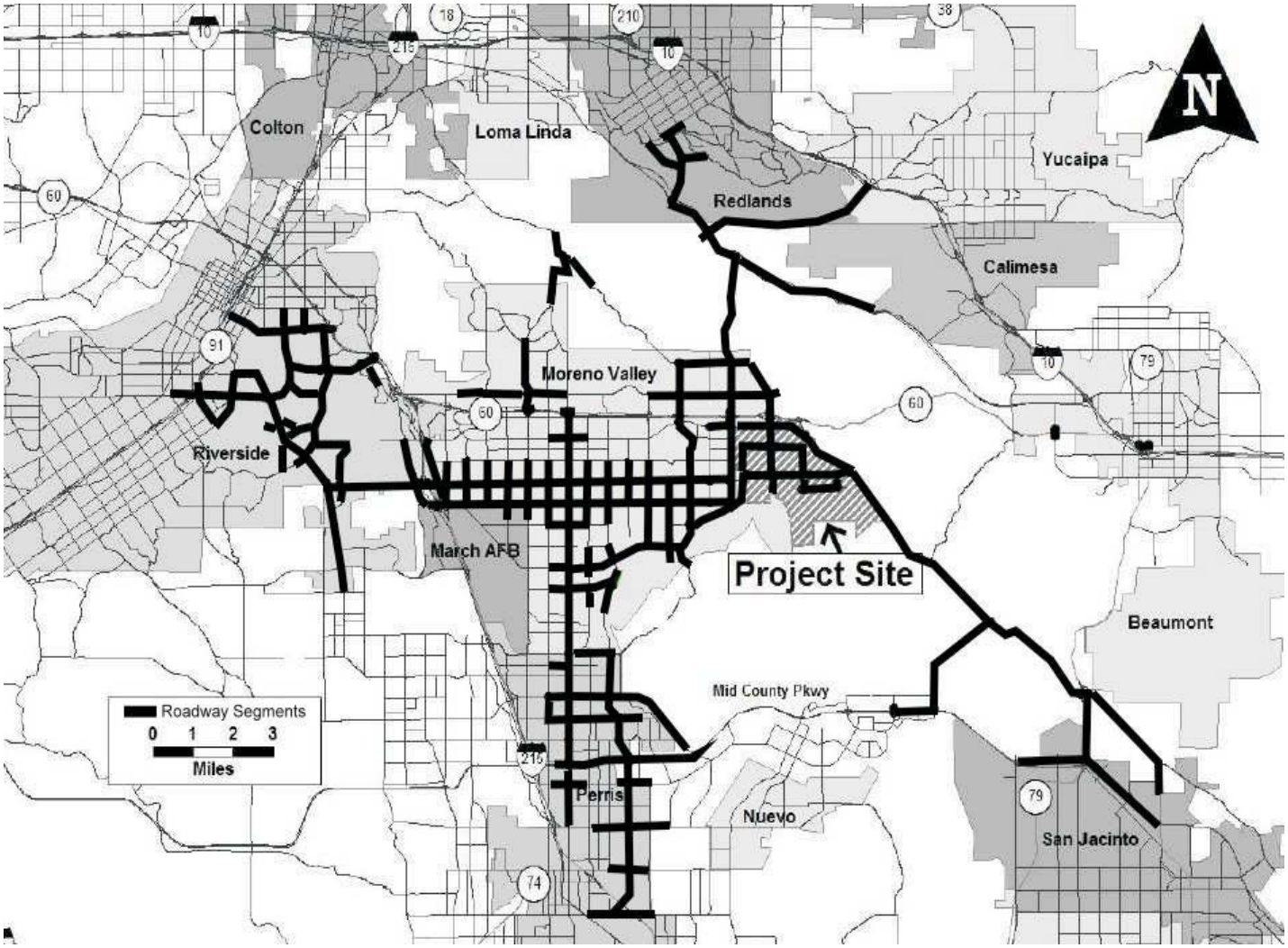
Exhibit 13 shows the roadway network and Exhibit 14 shows the freeway network included in the health risk assessment.

The generation of emissions from traffic traveling along the various arterial and freeway mainline roadway segments requires information on traffic volumes, length of segment, and emission factors. The emission factors, in turn, depend on vehicle type, speed, calendar year, and fuel type. Estimates of daily vehicle volumes and types (passenger cars, light heavy duty trucks, medium heavy duty trucks, and heavy-heavy duty trucks) were provided by the traffic consultant for each roadway segment analyzed. The physical length and width of each roadway segment were estimated using the segment location as provided by the traffic consultant and aerial photographs available from Google Earth. Vehicle speeds for each roadway segment and vehicle type were estimated based on posted speed limits and peak morning and afternoon average speeds taken from the 2012 Regional Transportation Plan for the years 2008 and 2035 (Southern California Association of Governments 2012). Segment speeds were adjusted to account for stop signs and traffic lights and other stoppages by reducing the prevailing vehicle speeds by 5 mph. The various roadway parameters are provided in Appendix F, Health Risk Assessment Spreadsheets and AERMOD Output. The project's medium-heavy and heavy-heavy duty diesel trucks were assumed to be equipped with engines that meet the model year 2010 engine emission rates. The receptor network required to cover this area was also expanded as well. Exhibit 15 shows the expanded modeling receptor network used in the HRA.

4.6.4 - Assessment Scenarios

Two health risk analysis scenarios were examined to assess potential cancer risks to nearby sensitive receptors as follows:

- Scenario 1: the "No Project" scenario in which cancer risks are estimated given vehicle traffic and diesel PM emissions spanning the 70-year cancer risk exposure time period from the existing condition 2012 to 2081 under the assumption that existing land uses plus other past, present, and reasonably foreseeable projects (both land development and roadway improvements) are implemented in 2017, 2022, and 2035.Within the City of Moreno Valley full buildout of the General Plan was assumed in 2035, except for the project site which was assumed to be unchanged from existing conditions
- Scenario 2: the "With Project" scenario shows the effect of project-related construction and operational traffic diesel PM emissions if the project were buildout in accordance with its proposed phased buildout schedule and then added to the No Project scenario during the 70-year cancer exposure time period from 2012 to 2081. This scenario forms the basis of comparison with the "No Project" to quantify the incremental impacts from the project.



Source: Parsons Brinckerhoff, Inc., Traffic Impact Analysis Report for the World Logistics Center, 2012.

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Michael Brandman Associates

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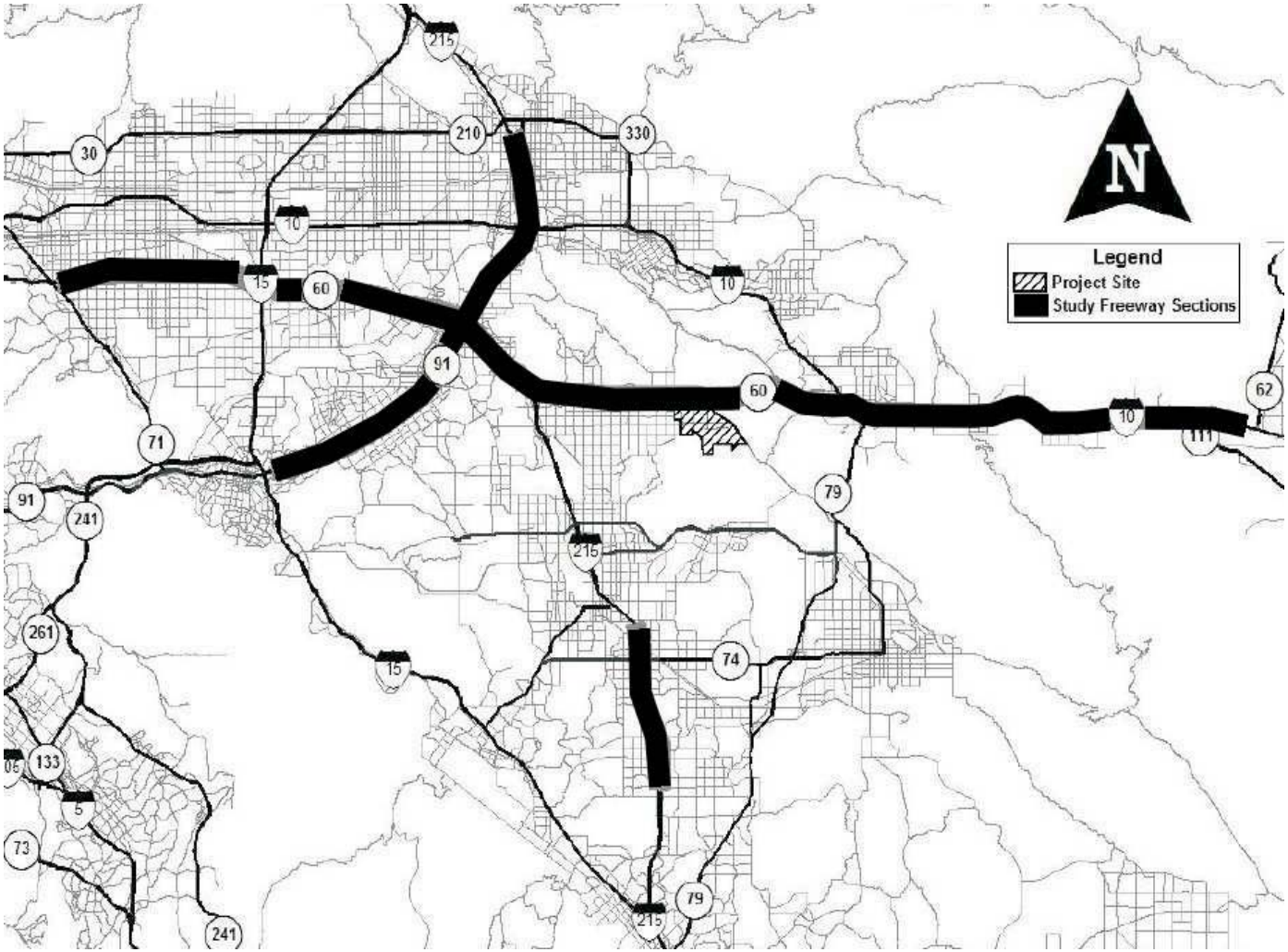
Exhibit 13
Street Segments Analyzed in the Health Risk Assessment



Source: Parsons Brinckerhoff, Inc., Traffic Impact Analysis Report for the World Logistics Center, 2012.

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Michael Brandman Associates

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Exhibit 14
Freeway Segments Analyzed in the Health Risk Assessment

The diesel PM emissions and annual average impacts for the Scenario 1, No Project scenario, were based on traffic information provided by the project traffic consultant, Parsons-Brinkerhoff, for the year the existing condition (2012), 2017, 2022, and the long-term planning year (2035). The "No Project" scenario was based on the land uses as they exist today (2012).

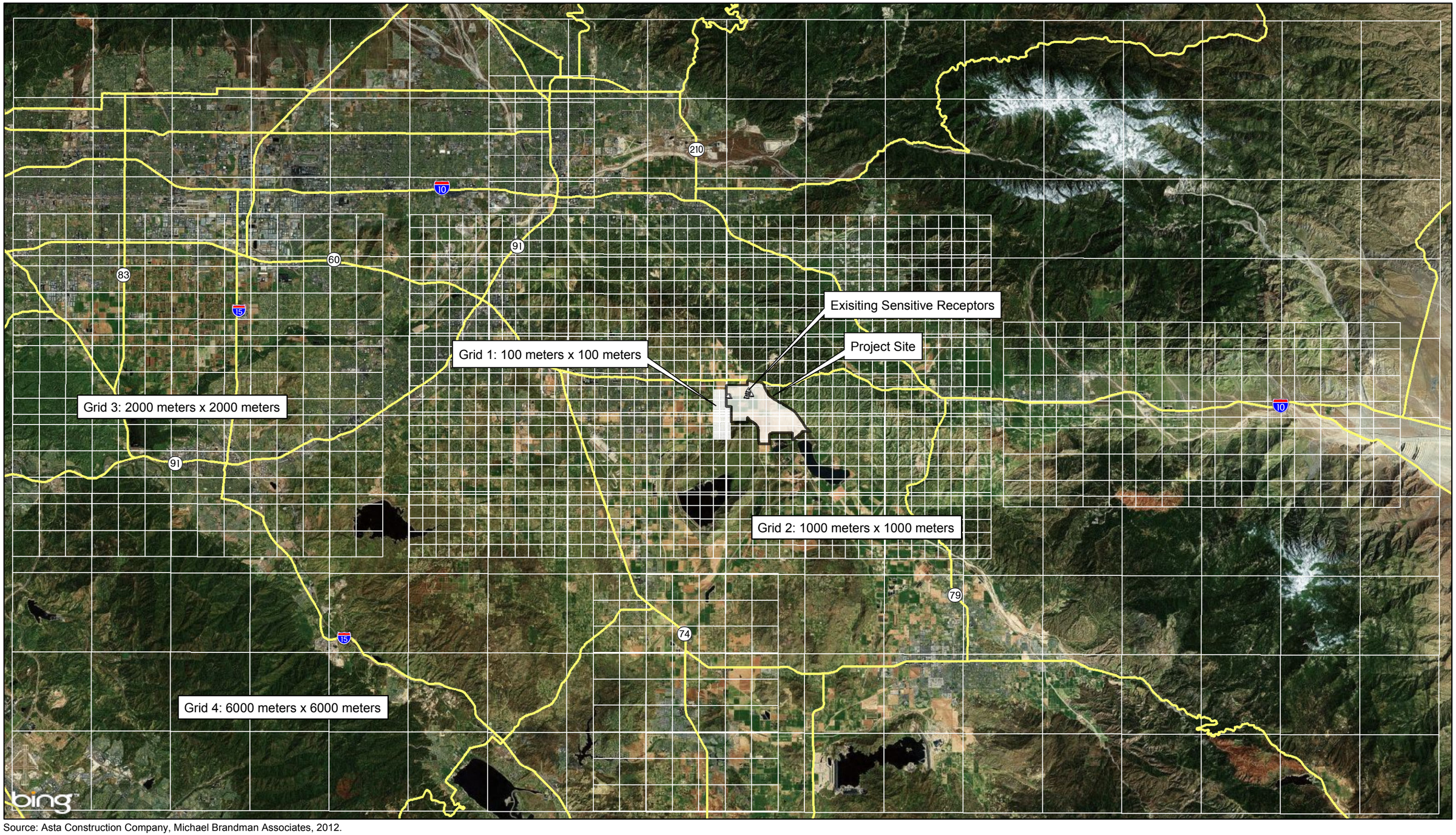
For the year 2017 scenario other past, present, and reasonably foreseeable projects in the study area were added to existing land uses. The 2017 scenarios also included the assumption of 2 percent annual growth in background traffic. Because including the other past, present, and reasonably foreseeable projects and a growth factor for background traffic represents a double-counting of growth, this ensures a conservative approach to estimating near-term future traffic. The scenarios analyzing longer-term conditions required the use of longer-term forecasts for land use in the Inland Empire based on the most recent Southern California Association of Governments 2012 Regional Transportation Plan. A listing of existing other past, present, and reasonably foreseeable projects in the study area are in Appendix E, Localized Spreadsheets and AERMOD Output. These projects are shown in Exhibit 16.

The diesel PM emission factors were derived from the ARB EMFAC2011 mobile source emission model for each assessment year 2012, 2017, 2022, and 2035. . Since the EMFAC2011 mobile source emission model does not provide emission factors beyond the year 2035, the diesel PM emission factors for the years beyond 2035 were set to the year 2035 levels to complete the 70-year cancer risk exposure time period (2012 to 2081). Traffic volumes for the same four assessment years were also used and assumed that the traffic remained constant after 2035. Annual average diesel PM concentrations were then calculated for each of the four assessment years at all receptor locations. Annual average diesel PM concentrations were interpolated for the years for which traffic data were not available. Using this process, annual average diesel PM impacts were calculated each year of the 70-year exposure time period (70 individual annual averages). The 70 individual diesel PM concentrations were then averaged to obtain an average diesel PM air impacts for the entire 70-year time period. The 70-year average diesel PM impacts were then inserted in the Equation 2 above for cancer risk to estimate 70-year lifetime cancer risks at all receptor locations. The methodology described above accounts for future changes in both diesel PM emission factors that reflect mandated emission reduction programs and growth and development expected to occur in the region as reflected in the traffic volumes.

For Scenario 2 the "With Project" scenario, annual average diesel PM emissions and impacts were calculated for each year starting from 2012 to 2081 to correspond to an exposure time period of 70 years required for estimating cancer risk for sensitive receptors. Specifically, annual average diesel PM concentrations were estimated from the diesel PM construction emissions for each year of construction from 2013 to 2021 according to the construction schedule and equipment usage projected for each year of construction. Zero project emissions were assumed in 2012 as the project does not exist in 2012. Annual average diesel PM emissions and impacts during operation were estimated for the years 2017, 2022, and 2035, years for which detailed traffic information was

available from the traffic impact report. The annual average operational diesel PM impacts were then interpolated between these three calculation years based on the amount of square-footage of buildings brought online as shown in Table 15. Finally, since the EMFAC2011 mobile source emission model does not provide emission factors beyond the year 2035, annual average diesel PM concentrations for the years beyond 2035 were set to the year 2035 levels.

During years when both construction and operations occur simultaneously (2017 to 2021), the annual diesel PM concentrations at the sensitive receptors from construction were added to the annual diesel PM concentrations from operations to provide a total impact assessment due to diesel PM emissions from the project. The resulting annual average diesel PM concentrations calculated each year for the 70-year exposure time period (70 individual annual averages) were then averaged to obtain an average diesel PM air concentration for the 70-year time period. The 70-year average diesel PM concentration was then inserted in the above Equation 2 for cancer risk to estimate 70-year lifetime cancer risk.



Source: Asta Construction Company, Michael Brandman Associates, 2012.

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5 2.5 0 5 Miles

Michael Brandman Associates

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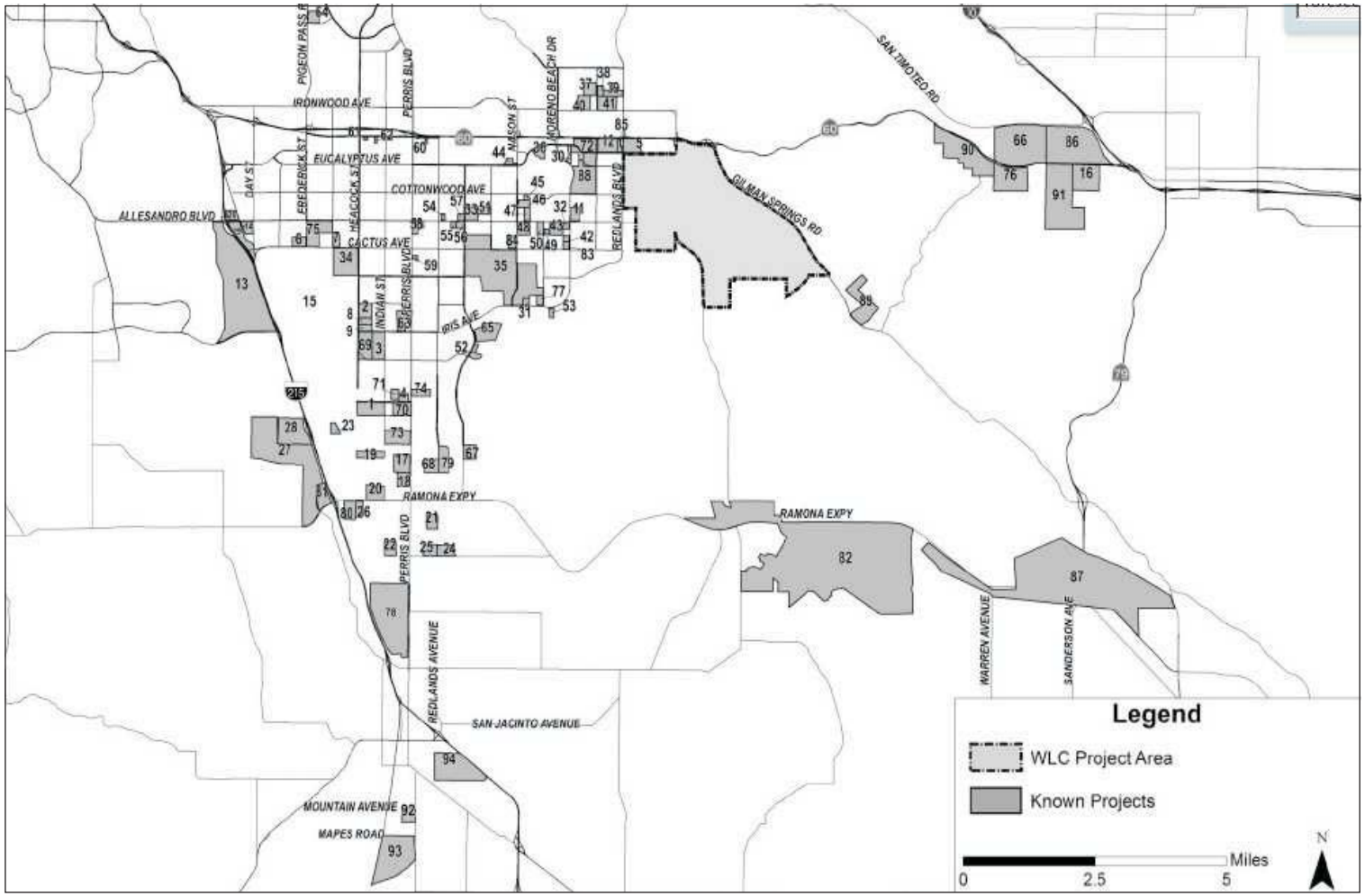
Exhibit 15
Expanded Health Risk Assessment Network

HIGHLAND FAIRVIEW OPERATING COMPANY • WORLD LOGISTICS CENTER PROJECT
AIR QUALITY, GREENHOUSE GAS, AND HEALTH RISK ASSESSMENT REPORT



Source: Parsons Brinckerhoff, Inc., Traffic Impact Analysis Report for the World Logistics Center, 2012.

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Michael Brandman Associates

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Exhibit 16
Locations of Past, Present, and Reasonable Foreseeable Projects in the Study Area

SECTION 5: AIR QUALITY IMPACT ANALYSIS

This section calculates the expected emissions and resulting air quality impacts from construction and operation of the project within the context of assessing the regulatory significance of project emissions on a regional and localized level under CEQA Guidelines.

5.1 - CEQA Guidelines

The CEQA Guidelines define a significant effect on the environment as "a substantial, or potentially substantial, adverse change in the environment." To determine if a project would have a significant impact on air quality, the type, level, and impact of emissions generated by the project must be evaluated.

The following air quality significance thresholds are contained in Appendix G of the CEQA Guidelines. A significant impact would occur if the project would:

a) Conflict with or obstruct implementation of the applicable air quality plan;
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation;
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable national or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors);
d) Expose sensitive receptors to substantial pollutant concentrations; or
e) Create objectionable odors affecting a substantial number of people.

While the final determination of whether a project is significant is within the purview of the Lead Agency pursuant to Section 15064(b) of the CEQA Guidelines, SCAQMD recommends that its quantitative air pollution thresholds be used to determine the significance of project emissions. If the Lead Agency finds that the project has the potential to exceed these air pollution thresholds, the project should be considered to have significant air quality impacts.

The applicable SCAQMD thresholds are contained under each impact statement below.

5.2 - Impact Analysis

Consistency with Air Quality Management Plan

Impact AIR-1: The project would conflict with or obstruct implementation of the applicable air quality plan.

Impact Analysis

According to the 1993 SCAQMD Handbook, there are two key indicators of consistency with the air quality management plan (AQMP):

1. Indicator: Whether the project would not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.
2. Indicator: A project would conflict with the AQMP if it would exceed the assumptions in the AQMP in 2010 or increments based on the year of project buildout and phase. The Handbook indicates that key assumptions to use in this analysis are population number and location and a regional housing needs assessment. The parcel-based land use and growth assumptions and inputs used in the Regional Transportation Model run by the Southern California Association of Governments that generated the mobile inventory used by the SCAQMD for AQMP are not available. However, the emissions for the land uses identified in the General Plan are compared with the project's emissions as shown below.

Considering the recommended criteria in the SCAQMD's 1993 Handbook, this analysis utilizes the following criteria to address this potential impact:

- Project's contribution to air quality violations (SCAQMD's first indictor).
- Assumptions in AQMP (SCAQMD's second indictor).
- Compliance with applicable emission control measures in the AQMPs.

Project's Contribution to Air Quality Violations

According to the SCAQMD, the project is consistent with the AQMP if the project would not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP (South Coast Air Quality Management District 1993, page 12-3).

As shown in Impact AIR-2, the project could violate air quality standards and contribute substantially to an existing or projected air quality violation.

If a project's emissions exceed the SCAQMD regional thresholds for NO_X, VOC, PM_{10}, or $PM_{2.5}$, it follows that the emissions could cumulatively contribute to an exceedance of a pollutant for which the basin is in nonattainment (ozone, nitrogen dioxide, PM_{10}, $PM_{2.5}$) at a monitoring station in the basin.

The thresholds are criteria for determining environmental significance and are discussed in the SCAQMD's 1993 Handbook for Air Quality Analysis.[7] An exceedance of a nonattainment pollutant at a monitoring station would not be consistent with the goals of the AQMP - to achieve attainment of pollutants.

As discussed in Impact AIR-3, the project would exceed the regional emission significance thresholds for VOC, NO_X, CO, PM_{10}, and $PM_{2.5}$. This means that project emissions of VOC and NO_X could combine with other sources and could result in an ozone, nitrogen dioxide, PM_{10}, or $PM_{2.5}$ exceedance at a nearby monitoring station. The Basin in which the project is located is in nonattainment for these pollutants; therefore, according to this criterion, the project would not be consistent with the AQMP.

Assumptions in AQMP

The analyses in the AQMP use demographic growth forecasts for various socioeconomic categories (e.g., population, housing, employment by industry), developed by SCAG for its Regional Transportation Plan. Although it is uncertain what precise assumptions were used to generate the modeling in the AQMPs, for purposes of this analysis, it is assumed that the AQMPs use the assumptions from the current Moreno Highlands Specific Plan.

The Moreno Highlands Specific Plan, adopted in 1992, had the land use acreages as displayed earlier in Table 1. The emissions from the Specific Plan were estimated using CalEEMod, using the following assumptions:

- Default trip lengths (7.3 to 10.8 miles per trip) and trip percentages.
- Trip generation was based on the traffic study (PB 2012) for the Specific Plan, assuming that office land use consists of 55 percent of the trips and residential consists of 45 percent of the trips.
- Specific Plan would be operational in 2022.
- Residential units would have only natural gas fireplaces, pursuant to SCAQMD Rule 445.
- Electricity estimates use the same methodology as the proposed project.
- All other variables used CalEEMod defaults.

The operational emissions for the Moreno Highlands Specific Plan are shown in Table 37.

[7] The SCAQMD significance thresholds are at the following website: www.aqmd.gov/ceqa/handbook/signthres.pdf

Table 37: Operational Regional Air Pollutant Emissions for Moreno Highlands Specific Plan

Source	Summer Emissions (pounds per day)				
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$
Motor vehicles	435	1,000	4,210	1,213	68
Natural gas	8	65	33	5	5
Painting	123	—	—	—	—
Consumer products	516	—	—	—	—
Natural gas hearths	14	0	1	10	10
Landscaping	18	7	609	3	3
Total	**1,114**	**1,072**	**4,853**	**1,231**	**86**
Significance Threshold	55	55	550	150	55
Significant Impact?	Yes	Yes	Yes	Yes	Yes

Notes:
- PM_{10} and $PM_{2.5}$ emissions include exhaust and road dust.
- Sulfur oxides emissions are under the 150 pounds per day significance threshold and at buildout total approximately 12 pounds per day.
- Winter emissions are similar to summer emissions and are contained in Appendix A, CalEEMod Output and Regional Emissions Spreadsheets.

VOC = volatile organic compounds NO_X = nitrogen oxides CO = carbon monoxide
PM_{10} and $PM_{2.5}$ = particulate matter
Source of emissions: Appendix A, CalEEMod Output and Regional Emissions Spreadsheets prepared by Michael Brandman Associates.
Source of significance thresholds: South Coast Air Quality Management District 2011a.

A comparison of the project operational emissions with the Moreno Highlands Specific Plan operational emissions is shown in Table 38. As shown in the table, the net increase in VOC and CO from the project would not exceed the significance thresholds. The project would result in a decrease in VOC and CO emissions but an increase in NO_X, PM_{10}, and $PM_{2.5}$. This is primarily due to the quantity of heavy-duty trucks that would serve the project site. Although there may be fewer trips, the heavy-duty trucks are assumed to travel a farther distance. In addition, heavy-duty trucks have greater NO_X, PM_{10}, and $PM_{2.5}$ emissions compared with automobiles.

Table 38: Net Changes in Operational Emissions with Project compared with Moreno Highlands Specific Plan

Operational Emission Source	Summer Emissions (pounds per day)				
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$
Moreno Highlands Specific Plan	1,114	1,072	4,853	1,231	86
Proposed project (buildout)	733	3,064	3,524	1,705	153
Net Change with Project	**-381**	**1,992**	**-1,329**	**474**	**67**
Significance threshold	55	55	550	150	55
Does net increase have a significant impact?	No	Yes	No	Yes	Yes

Table 38 (cont.): Net Changes in Operational Emissions with Project compared with Moreno Highlands Specific Plan

Operational Emission Source	Summer Emissions (pounds per day)				
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$

Notes:
VOC = volatile organic compounds NO_X = nitrogen oxides CO = carbon monoxide
PM_{10} and $PM_{2.5}$ = particulate matter
Source of Specific Plan emissions: Table 37.
Source of project emissions: Table 53 for 2022.
Source of significance thresholds: South Coast Air Quality Management District, 2011a.

Compliance with Emission Control Measures

The second indicator of whether the project could conflict with or obstruct implementation of the air quality plan is by assessing the project's compliance with the control measures in the AQMPs and the State Implementation Plan (SIP).

2003 AQMP. The 2003 AQMP contains a number of land use and transportation control measures including the following: the SCAQMD's Stationary and Mobile Source Control Measures; State Control Measures proposed by ARB; and Transportation Control Measures provided by Southern California Association of Governments. ARB's strategy for reducing mobile source emissions include the following approaches: new engine standards; reduce emissions from in-use fleet, require clean fuels, support alternative fuels and reduce petroleum dependency, work with EPA to reduce emissions from national and state sources, and pursue long-term advanced technology measures (AQMP 2003, page 4-25). Transportation control measures provided by Southern California Association of Governments include those contained in the Regional Transportation Plans, the most current version of which is the 2008 Regional Transportation Plan. The Regional Transportation Plan has control measures to reduce emissions from on-road sources by incorporating strategies such as high occupancy vehicle interventions, transit, and information-based technology interventions (AQMP 2003, page 4-19). The project indirectly would comply with the control measures set by ARB and Southern California Association of Governments.

2007 AQMP. The focus of the 2007 AQMP is to demonstrate attainment of the federal $PM_{2.5}$ ambient air quality standard by 2015 and the federal 8-hour ozone standard by 2024, while making expeditious progress toward attainment of state standards. This is to be accomplished by building upon improvements from the previous plans and incorporating all feasible control measures while balancing costs and socioeconomic impacts. The 2007 AQMP indicates that $PM_{2.5}$ is formed mainly by secondary reactions or sources. Therefore, instead of reducing fugitive dust, the strategy for reducing $PM_{2.5}$ focuses on reducing precursor emissions of SO_X, directly emitted $PM_{2.5}$, $NO_{X,}$ and VOC.

The 2007 AQMP control measures consist of four components. The first component is SCAQMD's Stationary and Mobile Source Control Measures. The Final 2007 AQMP includes 30 short-term and mid-term stationary and seven mobile source control measures for SCAQMD implementation. A complete listing of the measures is in the 2007 AQMP and includes measures such as VOC reductions from gasoline transfer and dispensing facilities, further NO_X reductions from space heaters, localized control program for PM emission hot spots, urban heat island, energy efficiency and conservation, etc. Some of the measures will become new rules and some will be amendments to existing rules. When the rules pass, the owner-operator will follow the applicable rules.

The second component is ARB's Proposed State Strategy, which includes short- and mid-term control measures aimed at reducing emissions from sources that are primarily under state jurisdiction, including on-road and off-road mobile sources, and consumer products. These measures are required in order to achieve the remaining emission reductions necessary for $PM_{2.5}$ attainment. ARB's strategy includes measures such as improvements to California's Smog Check Program, expanded passenger vehicle retirement, cleaner in-use heavy-duty trucks, reductions from port related sources, cleaner off-road equipment, evaporative and exhaust strategies, pesticide strategies, etc. When these measures are implemented by the ARB, the project would be required to follow them.

The third component is SCAQMD Staff's Proposed Policy Options to Supplement ARB's Control Strategy. SCAQMD staff believe that a combination of regulatory actions and public funding is the most effective means of achieving emission reductions. As such, the 2007 Final AQMP proposes three policy options for the decision makers to consider in achieving additional reductions. The first option is to incorporate the SCAQMD proposed additional control measures as a menu of selections further reducing emissions from sources primarily under state and national jurisdiction. The second option is to have the State fulfill its NO_X emission reduction obligations under the 2003 AQMP by 2010 for its short-term defined control measures plus additional reductions needed to meet the NO_X emission target between 2010 and 2014. The third option is based on the same rate of progress under Policy Option 1, but it relies heavily on public funding assistance to achieve the needed NO_X reductions via accelerated fleet turnover to post-2010 on-road emission standards or the cleanest off-road engine standards in effect today or after 2010. This strategy does not apply to the project.

The fourth component consists of Regional Transportation Strategy and Control Measures provided by Southern California Association of Governments. Transportation plans within the basin are statutorily required to conform to air quality plans in the region, as established by the 1990 Federal Clean Air Act and reinforced by other Acts. The region must demonstrate that its transportation plans and programs conform to the mandate to meet the federal ambient air quality standards in a timely manner. The Regional Transportation Plan, prepared by the Southern California Association of Governments, is developed every 4 years with a 20-year planning horizon to meet the long-term transportation planning requirements for emission reductions from on-road mobile sources within the basin. The biennial Regional Transportation Improvement Program requires that the short-term implementation requirements of the Transportation Conformity Rule be met by Southern California

Association of Governments. The first 2 years of the program are fiscally constrained and demonstrate timely implementation of a special category of transportation projects called Transportation Control Measures. In general, Transportation Control Measures are those projects that provide emission reductions from on-road mobile sources, based on changes in the patterns and modes by which the regional transportation system is used. Strategies are grouped into three categories: high occupancy vehicle strategy, transit and systems management, and information-based technology (traveling during a less congested time of day). Southern California Association of Governments approved the transportation measures in the Regional Transportation Plan, which have been included in the region's air quality plans. The Transportation Control Measures will be implemented and will subsequently reduce emissions in the basin.

2012 AQMP. The 2012 AQMP was adopted in December 2012. The purpose of the 2012 AQMP for the Basin is to set forth a comprehensive and integrated program that will lead the Basin into compliance with the federal 24-hour $PM_{2.5}$ air quality standard, and to provide an update of the Basin's projections in meeting the federal 8-hour ozone standards. The 2012 AQMP states, "The remarkable historical improvement in air quality since the 1970's is the direct result of Southern California's comprehensive, multiyear strategy of reducing air pollution from all sources as outlined in its AQMPs."

Similarly to the prior AQMPs, the project would comply with all applicable rules and regulations enacted as part of the AQMP. In addition, as discussed in Section 2.2.2, 2012 AQMP, the AQMP relies upon the Southern California Association of Governments regional transportation strategy, which is in its adopted 2012-2035 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) and 2011 Federal Transportation Improvement Program. Included in the RTP/SCS are regional transportation strategy and transportation control measures including the following: active transportation (non-motorized transportation - biking and walking); transportation demand management; transportation system management; transit; passenger and high-speed rail; goods movement; aviation and airport ground access; highways; arterials; and operations and maintenance.

The project would be involved in goods movement. The heavy-duty trucks would access local highways and arterials.

SIPs. Geographical areas in the state that exceed the federal air quality standards are called nonattainment areas. The project area is in nonattainment for ozone, PM_{10}, $PM_{2.5}$, and nitrogen dioxide. SIPs show how each area will attain the federal standards. To do this, the SIPs identify the amount of pollutant emissions that must be reduced in each area to meet the standard and the emission controls needed to reduce the necessary emissions. On September 27, 2007, ARB adopted its State Strategy for the 2007 SIP. In 2009, the SIP was revised to account for emissions reductions from regulations adopted in 2007 and 2008 and clarifies ARB's legal commitment.

In 2008, the U.S. EPA revised the lead national ambient air quality standard by reducing it to 0.15 $\mu g/m^3$. On December 31, 2010, the Los Angeles County portion of the South Coast Air Basin was designated as nonattainment for the 2008 lead national standard due to exceedances measured near a large lead-acid battery recycling facility. The 2012 Lead SIP for Los Angeles County was prepared by the SCAQMD and addresses the recent revision to the lead national standard, and outlines the strategy and pollution control activities that demonstrate attainment of the lead national standard before December 31, 2015. The 2012 Lead SIP was approved May 4, 2012.

The SIP takes into account ARB rules and regulations. The project will comply with applicable rules and regulations.

The project would comply with all applicable rules and regulations. Therefore, the project complies with this criterion.

Summary

Although the project would be consistent with the policies, rules, and regulations in the AQMPs and SIPs, the project must meet all criteria in order to be consistent with the AQMPs. The project could impede AQMP attainment because its construction and operational emissions exceed the SCAQMD regional significance

Level of Significance Before Mitigation

Potentially significant.

Mitigation Measures

Mitigation Measures AQ-1 through AQ-7 are required (see Section 1.3, Mitigation Measures Applied to the Project).

Level of Significance After Mitigation

Significant and unavoidable.

Potential for Air Quality Standard Violation

Impact AIR-2:	**The project would violate any air quality standard or contribute substantially to an existing or projected air quality violation.**

Impact Analysis

Two criteria are used to assess the significance of this impact: (1) the localized significance threshold assessment of the project's construction and operations (2) the CO hot spot analysis.

Localized Construction and Operational Impact Analysis

Localized Significance Thresholds

The evaluation of localized impacts determines the potential of the project to violate any air quality standard, contribute substantially to an existing or projected air quality violation, or expose nearby sensitive receptors to substantial pollutant concentrations. This analysis is also commonly referred to

as a Localized Significance Threshold (LST) analysis. The SCAQMD developed Localized Significance Thresholds in response to the SCAQMD Governing Board's environmental justice initiatives in recognition of the fact that criteria pollutants such as CO, NO_X, and PM_{10} and $PM_{2.5}$ in particular, can have local impacts as well as regional impacts. Localized significance thresholds represent the maximum emissions or air concentrations from a project that would not cause or contribute to an exceedance of the most stringent applicable federal or State ambient air quality standard at any nearby sensitive or worker receptor. The localized thresholds can be correlated to the attainment of the Basin because if the standard for a pollutant is exceeded because of high concentrations, the Basin is designated as nonattainment for that pollutant. The localized significance thresholds are defined separately for construction and operational activities and were shown earlier in Table 10.

The localized analysis focused on two scenarios:

1. Scenario 1: Existing conditions plus project which shows what effect the project-related traffic would have if the project were built-out in full in 2012 and no other changes occurred to land uses or the roadway system; and
2. Scenario 2: Construction and operations of the project as a 2-phase development with the buildout of Phase 1 in 2017 and the final buildout in 2022.

Scenario 1 represents the absolute worst-case condition in that the project physically could not be built-out in 2012 or, in fact, in any single year due to the size of the project. This scenario also does not account for the fact that vehicle emissions are expected to decline significantly over the next ten years in response to mandated motor vehicle emission controls adopted by the ARB and USEPA. Thus, consideration of this scenario will significantly over estimate the project's potential air quality impacts. Scenario 2 represents the logical and realistic development of the project over a period of 10 years as represented by the project applicant. The LST analysis is presented for both scenarios below.

LST Analysis of Scenario 1: Existing Conditions (2012) Plus Project

In Scenario 1, emissions from the project were estimated for the year 2012 as the existing condition (date of publication of the Notice of Preparation) assuming the full buildout of the project in 2012. Emission factors for the project's emissions were derived from the EMFAC2011 mobile source emission model for the year 2012. Information from the project traffic report was used to derive estimates of vehicle trips from within the project and from the local roadways that are within and along the boundaries of the specific plan as if the project were fully buildout in 2012. This is a worst-case scenario because it assumes that all the trucks and vehicles accessing the project would consist of the fleet of today instead of the fleet of the future. The fleet of today has more emissions because there are older vehicles and trucks on the road that would be replaced in the future.

Pursuant to the SCAQMD's LST methodology, only emissions generated from within and along the project boundaries are included in the LST assessment. Table 39 compares the project's local emissions assuming the worst case of full buildout in 2012 along with the existing (No Project) emissions in 2012.

Table 39: Comparison of Existing and Project Local Emissions - 2012

Pollutant	Existing (No Project) 2012 Emissions (pounds/hour)	Project 2012 Emissions Increment (pounds/hour)
NO_X	2.4	136.6
CO	18.1	112.1
Pollutant	**Existing (No Project) 2012 Emissions(pounds/day)**	**Project 2012 Emissions Increment (pounds/day)**
PM_{10}	10.2	57.0
$PM_{2.5}$	3.1	18.5

Notes:
Includes emissions from sources located within or along the boundaries of the WLC specific plan.
Source: Michael Brandman Associates (Appendix E, Localized Spreadsheets and AERMOD Output).

The project's emissions then served as input into the AERMOD air dispersion model to derive estimate of the project's localized air quality impacts for Scenario 1. These results are shown in Table 40 for the sensitive receptors located within the WLC Specific Plan along with a comparison to the SCAQMD's localized significance thresholds. Table 41 provides the highest impacts for any sensitive receptor located outside of the boundaries of the WLC Specific Plan. These latter impacts were found within the residential areas located near the southwest corner of the project. The significance thresholds for CO and nitrogen dioxide are derived from the measured ambient air quality data from the SCAQMD Riverside air monitoring station and serve as the measure of existing air quality in 2012[8]. .

Table 40: Localized Assessment - Scenario 1: Existing (2012) + Project Emissions Maximum Impacts Within the WLC Specific Plan

Pollutant	Averaging Time, units	Existing Back-ground in 2012[1]	Unmitigated Air Concentration		Standard/ Threshold	Total Impact Exceeds Threshold in 2012?
			Project Local Impact in 2012	Total (Background + Project) in 2012		
Carbon monoxide	1 hour, ppm	2.64	0.28	2.92	20	No
	8 hour, ppm	1.84	0.17	2.01	9.0	No

[8] Actually, a full year of air quality data was not available for the year 2012 at the time of the preparation of this report. Therefore, in keeping with the SCAQMD recommendations, the highest air quality measurement for the years 2009, 2010, and 2011 served as a measure of the existing background air quality data for NO2 and CO.

Table 40 (cont.): Localized Assessment - Scenario 1: Existing (2012) + Project Emissions Maximum Impacts Within the WLC Specific Plan

Pollutant	Averaging Time, units	Existing Back-ground in 2012[1]	Unmitigated Air Concentration		Standard/ Threshold	Total Impact Exceeds Threshold in 2012?
			Project Local Impact in 2012	Total (Background + Project) in 2012		
Nitrogen dioxide	State 1 hour, ppm	0.078	0.100	0.178	0.18	No
	National 1 hour, ppm	0.060	0.082	0.142	0.100	Yes
	Annual, ppm	0.017	0.032	0.049	0.030	Yes
PM_{10}	24 hour, $\mu g/m^3$	NA	12.7	12.7	2.5	Yes
	Annual, $\mu g/m^3$	NA	7.8	7.8	1.0	Yes
$PM_{2.5}$	24 hour, $\mu g/m^3$	NA	4.7	4.7	2.5	Yes

Notes:
$\mu g/m^3$ = micrograms per cubic meter (a concentration unit)
NA = Not Applicable, the SCAQMD threshold methodology does not require a background for PM_{10} or $PM_{2.5}$
[1] Background data for 2012 for CO and nitrogen dioxide derived as the highest air quality measured data during the 3-year time period of 2009 to 2011 since air quality measurements for the entire year 2012 are not yet available (see Table 4 above).
Source: Dispersion modeling conducted by Michael Brandman Associates, see Appendix E, Localized Spreadsheets and AERMOD Output.

Table 41: Localized Assessment - Scenario 1: Existing (2012) + Project Emissions Maximum Impacts Outside of the WLC Specific Plan

Pollutant	Averaging Time, units	Existing Back-ground in 2012[1]	Unmitigated Air Concentration		Standard/ Threshold	Total Impact Exceeds Threshold in 2012?
			Project Local Impact in 2012	Total (Background + Project) in 2012		
Carbon monoxide	1 hour, ppm	2.64	0.21	2.85	20	No
	8 hour, ppm	1.84	0.09	1.93	9.0	No
Nitrogen dioxide	State 1 hour, ppm	0.078	0.055	0.133	0.18	No
	National 1 hour, ppm	0.060	0.048	0.108	0.100	Yes
	Annual, ppm	0.017	0.008	0.025	0.030	No
PM_{10}	24 hour, $\mu g/m^3$	NA	3.1	3.1	2.5	Yes
	Annual, $\mu g/m^3$	NA	0.8	0.8	1.0	No
$PM_{2.5}$	24 hour, $\mu g/m^3$	NA	1.2	1.2	2.5	No

Notes:
$\mu g/m^3$ = micrograms per cubic meter (a concentration unit)
NA = Not Applicable, the SCAQMD threshold methodology does not require a background for PM_{10} or $PM_{2.5}$
[1] Background data for 2012 for CO and nitrogen dioxide derived as the highest air quality measured data during the 3-year time period of 2009 to 2011 since air quality measurements for the entire year 2012 are not yet available (see Table 4 above).
Source: Dispersion modeling conducted by Michael Brandman Associates, see Appendix E, Localized Spreadsheets and AERMOD Output.

As noted from Table 40, for worst-case Scenario 1, the project would marginally exceed the SCAQMD's localized significance thresholds for nitrogen dioxide and PM_{10}, realizing again, that this scenario reflects an impossible situation that assumes that the project is buildout in its entirety in 2012. In Table 41, the thresholds for NO_X and PM_{10} are exceeded at the sensitive receptors located outside of the boundaries of the WLC Specific Plan. The exceedance of the PM_{10} threshold is due exclusively to the inclusion of entrained road dust into the estimate of the project's mobile source PM_{10} emissions. The PM_{10} threshold would not be exceeded if only the exhaust, brake and tire wear PM_{10} emissions were accounted for.

A Note about Operational Heavy-Duty Truck Emissions

Scenario 1 assumes that future emissions from the project would remain at their 2012 levels. The majority of the project's operational emissions are from on-road mobile sources, more particularly, heavy-duty trucks that contribute a disproportionate amount of emissions compared to passenger vehicles. Emissions from on-road mobile sources are regulated at the state and federal levels and, therefore, are outside of the control of local agencies such as the City and the SCAQMD. For example, the ARB is working closely with the U.S. EPA, engine, and vehicle manufacturers, and other interested parties to identify programs that will reduce emissions from heavy-duty diesel vehicles in California. In its "Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-fueled Engines and Vehicles," the ARB presented a blueprint for achieving a 75 percent reduction in diesel particulates by 2010 and an 85 percent reduction by 2020 from the 2000 baseline (California Air Resources Board 2000). The emission reductions would arise from a combination of measures including the use of ultra-low sulfur diesel fuel, new emission standards for large diesel engines, restrictions on diesel engine idling, addition of post-combustion filter and catalyst equipment, and retrofits for business and government diesel truck fleets. The implementation of these emission reductions will also result in reductions of other pollutants such as NO_X, VOC, and CO. As these emission reduction programs are implemented and there is a turnover in the use of older vehicles with newer and cleaner vehicles, the project's operational emissions are expected to decline significantly in the future.

Emission controls on mobile source vehicles already adopted by the ARB particularly dealing with NO_X and PM_{10} controls on heavy duty trucks will reduce truck emissions significantly over the next 10 years. As an example, the per-mile rate of NO_X emissions from the largest category of heavy duty diesel trucks is estimated to decline from an average of 9.75 grams/mile in 2012 to 3.17 grams/mile by 2022, a decline of 67 percent from 2012 levels. Similarly, the per-mile running exhaust rate of PM_{10} emissions from the largest category of heavy duty diesel trucks is estimated to decline from an average of 0.39 grams/mile in 2012 to 0.10 grams/mile in 2022, a decline of 66 percent from 2012 levels. Thus, Scenario 1 represents a highly conservative estimate (in terms of over-estimating) of the project's operational impacts.

LST Analysis of Scenario 2: Proposed Construction and Operation of the Project

This scenario examined potential local project impacts considering the proposed construction and buildout schedule of the project over a time period of 10 years. This scenario examined three specific time periods:

- The year 2013, the first year of the construction of Phase 1 and is the year with the highest construction emissions.
- The year 2017, the first year of the construction of Phase 2 and the first year of full operation of Phase 1.
- The year 2022, the first operational year of the complete buildout of both Phases 1 and 2.

Localized Impact Analysis, 2013

The project proposes to commence construction on Phase 1 starting in 2013. During this year, the project would conduct extensive mass grading and earth movement of the project area, fine grading of the development pads, installation of curbing and utilities, construction of the first buildings, and landscaping. The CalEEMod land use emission model was used to estimate the maximum daily and annual construction emissions (refer to Section 4.2 of this report for assumptions).

The localized impacts for the short-term construction activities were analyzed using an air dispersion model (EPA AERMOD Model) to simulate the transport and dispersion of project-related emissions through the air. These impacts were then compared to the applicable SCAQMD localized concentration thresholds defined earlier in Table 10 to assess the regulatory significance of these impacts. The estimated localized air quality impacts from the construction of the project in 2013 are summarized in Table 42 for the existing sensitive receptors located within the WLC Specific Plan and in Table 42 for sensitive receptors located outside of the WLC Specific Plan. As noted in Table 42 and Table 43, project construction would exceed the significance thresholds for NO_X, PM_{10}, and $PM_{2.5}$and thus, represents a significant impact without mitigation.

Table 42: Localized Air Quality Impacts - Scenario 2: Construction, Year 2013 Maximum Impacts Within the WLC Specific Plan

Pollutant	Averaging Time and Units	Unmitigated Concentration				Total Impact Exceeds Threshold?
		Existing Background in 2012[1]	Project Local Impact[2]	Total (Background + Project)	Standard/ Threshold	
Carbon monoxide	1 hour, ppm	2.64	1.55	4.19	20	No
	8 hour, ppm	1.84	0.58	2.42	9.0	No
Nitrogen dioxide	State 1 hour, ppm	0.078	0.158	0.236	0.18	Yes
PM_{10}	24 hour, $\mu g/m^3$	NA	29.38	29.38	10.4	Yes
	Annual, $\mu g/m^3$	NA	6.9	6.9	1.0	Yes
$PM_{2.5}$	24 hour, $\mu g/m^3$	NA	24.88	24.88	10.4	Yes

Notes:
$\mu g/m^3$ = micrograms per cubic meter (a concentration unit); ppm = parts per million (a concentration unit)
NA = Not Applicable as the SCAQMD threshold methodology does not require a background for PM_{10} or $PM_{2.5}$
[1] Source of background concentrations: Table 4, converted to $\mu g/m^3$;
[2] Source of project local impact: Dispersion modeling conducted by Michael Brandman Associates (Appendix E); highest construction impacts at any receptor located outside of the boundaries of the specific plan; maximum impacts generally occur in the residential areas to the west of the project across Redlands Boulevard.
Source: Dispersion modeling conducted by Michael Brandman Associates, see Appendix E.

Table 43: Localized Air Quality Impacts - Scenario 2: Construction, Year 2013 Maximum Impacts Outside the WLC Specific Plan

Pollutant	Averaging Time and Units	Unmitigated Concentration				Total Impact Exceeds Threshold?
		Existing Background in 2012[1]	Project Local Impact[2]	Total (Background + Project)	Standard/ Threshold	
Carbon monoxide	1 hour, ppm	2.64	0.84	3.48	20	No
	8 hour, ppm	1.84	0.28	2.12	9.0	No
Nitrogen dioxide	State 1 hour, ppm	0.078	0.111	0.189	0.18	Yes
PM_{10}	24 hour, $\mu g/m^3$	NA	15.4	15.4	10.4	Yes
	Annual, $\mu g/m^3$	NA	0.3	0.3	1.0	No
$PM_{2.5}$	24 hour, $\mu g/m^3$	NA	11.9	11.9	10.4	Yes

Notes:
$\mu g/m^3$ = micrograms per cubic meter (a concentration unit); ppm = parts per million (a concentration unit)
NA = Not Applicable as the SCAQMD threshold methodology does not require a background for PM_{10} or $PM_{2.5}$
[1] Source of background concentrations: Table 4, converted to $\mu g/m^3$;
[2] Source of project local impact: Dispersion modeling conducted by Michael Brandman Associates (Appendix E); highest construction impacts at any receptor located outside of the boundaries of the specific plan; maximum impacts generally occur in the residential areas to the west of the project across Redlands Boulevard.
Source: Dispersion modeling conducted by Michael Brandman Associates, see Appendix E.

Localized Air Quality Impact Analysis, 2017

The year 2017 represents a time period when both construction and operations would overlap. As a result, the highest emissions from the project construction and operations would generally occur during this year for most pollutants. The project's combined impacts from construction and operations during 2017 are shown in Table 44 for the existing sensitive receptors located within the WLC Specific Plan and in Table 45 for the sensitive receptors located outside of the WLC Specific Plan along with the SCAQMD-recommended significance thresholds[9]. As shown in the Table 44, the project would exceed the SCAQMD's significance thresholds for nitrogen dioxide, PM_{10}, and $PM_{2.5}$.

Table 44: Localized Air Quality Impacts - Scenario 2: Construction and Operation Year 2017 - Maximum Impacts Within the WLC Specific Plan

Pollutant	Averaging Time, Units	Unmitigated Concentration				Total Impact Exceeds Threshold?
		Existing Background in 2012[1]	Project Local Impact[2]	Total (Background + Project)	Standard/ Threshold	
Carbon monoxide	1 hour, ppm	2.64	0.73	3.37	20	No
	8 hour, ppm	1.84	0.19	2.03	9.0	No
Nitrogen dioxide	State 1 hour, ppm	0.078	0.107	0.185	0.18	Yes
PM_{10}	24 hour, $\mu g/m^3$	NA	12.6	12.6	2.5	Yes
	Annual, $\mu g/m^3$	NA	6.7	6.7	1.0	Yes
$PM_{2.5}$	24 hour, $\mu g/m^3$	NA	8.0	8.0	2.5	Yes

Notes:
$\mu g/m^3$ = micrograms per cubic meter (a concentration unit); ppm = parts per million (a concentration unit)
NA = Not Applicable as the SCAQMD threshold methodology does not require a background for PM_{10} or $PM_{2.5}$
Sources:
1 Source of background concentrations: Table 4, converted to $\mu g/m^3$;
2 Source of project local impact: Dispersion modeling conducted by Michael Brandman Associates (Appendix E); highest construction impacts at any receptor located outside of the boundaries of the specific plan; maximum impacts generally occur in the residential areas to the west of the project across Redlands Boulevard.
Source: Dispersion modeling conducted by Michael Brandman Associates, see Appendix E.

[9] Note that even though construction would occur during 2017, the SCAQMD recommends the application of the operational significance thresholds, which allows a significantly lower level of particulate matter levels than do the construction significance thresholds.

Table 45: Localized Air Quality Impacts - Scenario 2 Construction and Operation Year 2017 - Maximum Impacts Outside WLC Specific Plan

Pollutant	Averaging Time, Units	Unmitigated Concentration				Total Impact Exceeds Threshold?
		Existing Background in 2012[1]	Project Local Impact[2]	Total (Background + Project)	Standard/ Threshold	
Carbon monoxide	1 hour, ppm	2.64	1.00	3.64	20	No
	8 hour, ppm	1.84	0.38	2.22	9.0	No
Nitrogen dioxide	State 1 hour, ppm	0.078	0.134	0.212	0.18	Yes
PM_{10}	24 hour, $\mu g/m^3$	NA	21.0	21.0	2.5	Yes
	Annual, $\mu g/m^3$	NA	0.8	0.8	1.0	No
$PM_{2.5}$	24 hour, $\mu g/m^3$	NA	12.6	12.6	2.5	Yes

Notes:
$\mu g/m^3$ = micrograms per cubic meter (a concentration unit); ppm = parts per million (a concentration unit)
NA = Not Applicable as the SCAQMD threshold methodology does not require a background for PM_{10} or $PM_{2.5}$
Sources:
1 Source of background concentrations: Table 4, converted to $\mu g/m^3$;
2 Source of project local impact: Dispersion modeling conducted by Michael Brandman Associates (Appendix E); highest construction impacts at any receptor located outside of the boundaries of the specific plan; maximum impacts generally occur in the residential areas to the west of the project across Redlands Boulevard.
Source: Dispersion modeling conducted by Michael Brandman Associates, see Appendix E, Localized Spreadsheets and AERMOD Output.

Localized Air Quality Impact Analysis, 2022

The year 2022 represents the time period when both phases of the project would be fully in operation. Operational emissions during 2022 were estimated based on the project's trip generation and project-related travel along the local roadway network within and along the boundaries of the WLC specific plan.

The results of the localized air quality analysis for 2022 are shown in Table 46 for the existing sensitive receptors located within the WLC Specific Plan and in Table 47 for the sensitive receptors located outside the WLC Specific Plan relative to the background air quality levels in 2012. As shown in the table, the concentrations of PM_{10} and $PM_{2.5}$ exceed the SCAQMD's daily significance thresholds for the receptors located within the WLC Specific Plan and PM10 at sensitive receptors located outside of the WLC Specific Plan with the latter due principally to the inclusion of entrained road dust in the impact assessment and would, therefore, represent a significant impact without mitigation.

Table 46: Localized Air Quality Impacts - Scenario 2: Operation, Year 2022
Maximum Impacts With WLC Specific Plan

Pollutant	Averaging Time, units	Unmitigated Concentration				Total Impact Exceeds Threshold?
		Background in 2012	Project Local Impact	Total (Background + Project)	Standard/ Threshold	
Carbon monoxide	1 hour, ppm	2.64	0.12	2.76	20	No
	8 hour, ppm	1.84	0.07	1.91	9.0	No
Nitrogen dioxide	State 1 hour, ppm	0.078	0.039	0.117	0.18	No
	National 1 hour, ppm	0.060	0.035	0.095	0.100	No
	Annual, ppm	0.017	0.010	0.029	0.03	No
PM_{10}	24 hour, $\mu g/m^3$	NA	10.8	10.8	2.5	Yes
	Annual, $\mu g/m^3$	NA	6.5	6.5	1.0	Yes
$PM_{2.5}$	24 hour, $\mu g/m^3$	NA	3.1	3.1	2.5	Yes

Notes:
$\mu g/m^3$ = micrograms per cubic meter (a concentration unit)
NA = Not Applicable as the SCAQMD threshold methodology does not require a background for PM_{10} or $PM_{2.5}$
Source of background concentrations: Table 4, converted to $\mu g/m^3$; nitrogen dioxide 1 hour averaged over two years.
Source of local project impact: Dispersion modeling conducted by Michael Brandman Associates, Appendix E, Localized Spreadsheets and AERMOD Output.

Table 47: Localized Air Quality Impacts - Scenario 2: Operation, Year 2022
Maximum Impacts Outside WLC Specific Plan

Pollutant	Averaging Time, units	Unmitigated Concentration				Total Impact Exceeds Threshold?
		Background in 2012	Project Local Impact	Total (Background + Project)	Standard/ Threshold	
Carbon monoxide	1 hour, ppm	2.64	0.08	2.72	20	No
	8 hour, ppm	1.84	0.04	1.88	9.0	No
Nitrogen dioxide	State 1 hour, ppm	0.078	0.021	0.099	0.18	No
	National 1 hour, ppm	0.060	0.019	0.079	0.100	No
	Annual, ppm	0.017	0.002	0.019	0.03	No
PM_{10}	24 hour, $\mu g/m^3$	NA	2.7	2.7	2.5	Yes
	Annual, $\mu g/m^3$	NA	0.7	0.7	1.0	No
$PM_{2.5}$	24 hour, $\mu g/m^3$	NA	0.8	0.8	2.5	No

Notes:
$\mu g/m^3$ = micrograms per cubic meter (a concentration unit)
NA = Not Applicable as the SCAQMD threshold methodology does not require a background for PM_{10} or $PM_{2.5}$
Source of background concentrations: Table 4, converted to $\mu g/m^3$; nitrogen dioxide 1 hour averaged over two years.
Source of local project impact: Dispersion modeling conducted by Michael Brandman Associates, Appendix E, Localized Spreadsheets and AERMOD Output.

Summary of the Localized Significance Threshold Assessment

The localized significance analysis demonstrates that without mitigation, the project would exceed the localized significance thresholds for NO_2, PM_{10}, and $PM_{2.5}$ for both Scenario 1 and Scenario 2. Therefore, according to this criterion, the air pollutant emissions would result in a significant impact and could exceed or contribute to an exceedance of the ambient air quality standards for NO_2, PM_{10}, and $PM_{2.5}$.

Carbon Monoxide Hot Spot Analysis

Vehicular trips associated with the development of the proposed project could contribute to congestion at intersections and along roadway segments in the project vicinity resulting in potential local CO "hot spot" impacts. The primary mobile source pollutant of local concern is CO, which is a direct function of vehicle travel speeds and idling time and, thus, traffic flow conditions. CO transport is extremely limited; it disperses rapidly with distance from the source under normal meteorological conditions. However, under certain extreme meteorological conditions, CO concentrations proximate to a congested roadway or intersection may reach unhealthful levels affecting local sensitive receptors (residents, schoolchildren, etc). High CO concentrations are typically associated with roadways or intersections operating at unacceptable levels of service or with very high traffic volumes. In areas with high ambient background CO concentrations, modeling is recommended to determine a project's effect on local CO levels.

Carbon monoxide (CO) "hot spot" thresholds ensure that emissions of CO associated with traffic impacts from a project in combination with CO emissions from existing and forecasted regional traffic do not exceed state or federal standards for CO at any traffic intersection impacted by the project. Project concentrations may be considered significant if a CO hot spot intersection analysis determines that project generated CO concentrations cause a localized violation of the state CO 1-hour standard of 20 ppm, state CO 8-hour standard of 9 ppm, federal CO 1-hour standard of 35 ppm, or federal CO 8-hour standard of 9 ppm.

A carbon monoxide (CO) hot spot is a localized concentration of CO that is above the state or federal 1-hour or 8-hour CO ambient air standards. Localized high levels of CO are associated with traffic congestion and idling or slow-moving vehicles. To provide a worst-case scenario, CO concentrations are estimated at project-impacted intersections, where the concentrations would be the greatest.

This analysis follows guidelines recommended by the CO Protocol (University of California, Davis 1997) and the SCAQMD. According to the CO Protocol, intersections with Level of Service (LOS) E or F require detailed analysis. In addition, intersections that operate under LOS D conditions in areas that experience meteorological conditions favorable to CO accumulation require a detailed analysis. The SCAQMD recommends that a local CO hot spot analysis be conducted if the intersection meets one of the following criteria: 1) the intersection is at LOS D or worse and where the project increases the volume to capacity ratio by 2 percent, or 2) the project decreases LOS at an intersection from C to D.

For this project analysis, the top five intersections with highest traffic volumes and the LOS E or F before mitigation were identified for 2022 using information from the table in the traffic study "Intersection LOS under 2022 Plus Project Conditions." In addition, intersection 103 was added because after mitigation, the LOS at the AM peak hour is E; the rest of the intersections are at D or better. The five intersections with the greatest LOS before mitigation were also identified for 2035 using information from the table in the traffic study "Intersection LOS under 2035 Plus Project Conditions." The CO concentrations were estimated using the CALINE4 model using 2012 emission factors. The emission factors are for "all" vehicle classes and are not adjusted for a project specific fleet to provide a worst-case scenario. In addition, the emission factors do not taken into account the project design feature reductions from requiring that medium-heavy duty trucks and heavy-heavy duty diesel trucks are model year 2010 or newer. Estimated CO concentrations at buildout (year 2022 plus project) traffic conditions are shown in Table 48. The estimated CO concentrations at year 2035 are shown in Table 49. As shown in the tables, the estimated 1-hour and 8-hour average CO concentrations from project generated and cumulative traffic plus the background concentrations are below the state and federal standards. No CO hot spots are anticipated because of traffic-generated emissions by the project in combination with other anticipated development in the area. Therefore, the mobile emissions of CO from the project are not anticipated to contribute substantially to an existing or projected air quality violation of CO. Therefore, according to this criterion, air pollutant emissions during operation would result in a less than significant impact.

Table 48: Carbon Monoxide Concentrations at Intersections - Buildout

Intersection	Peak Hour	CO Concentration (ppm)		Significant Impact?
		1 Hour	8 Hour	
10. Redlands Boulevard/Locust Avenue	PM	4.1	2.6	No
13. Redlands Boulevard/SR-60 WP ramps	PM	4.2	2.7	No
103. Ramona Expressway/Evans Road	AM	4.7	3.0	No
124. SR-79 (Sanderson Avenue) NB/Gilman Springs Road	AM	3.8	2.4	No
125. SR-79 (Sanderson Avenue) SB/Gilman Springs Road	AM	4.0	2.5	No
134. Redlands Boulevard/San Timoteo Canyon Road	PM	4.6	3.0	No

Notes:
- ppm = parts per million.
- The traffic volumes are from the traffic study from the figure, "Turning Movement Volumes under 2022 Plus Project Conditions."
- The concentrations are derived from the CALINE4 model using emission factors for the year 2012.
- The 1 hour concentration is the CALINE4 output (see Appendix B for model output) includes the 1 hour background concentration of 3 ppm (from Table 4).
- The 8 hour project increment was calculated by multiplying the 1 hour CALINE4 value by 0.7 (persistence factor) and adding a background concentration of 1.84 ppm.
- The existing background concentrations are appropriate because CO emissions in the future are expected to decrease.
- A significant impact would occur if the estimated CO concentration is over the 1 hour state standard of 20 ppm or the 8 hour state/federal standard of 9 ppm.

Table 49: Carbon Monoxide Concentrations at Intersections - 2035

Intersection	Peak Hour	CO Concentration (ppm)		Significant Impact?
		1 Hour	8 Hour	
12. Theodore Street/Ironwood Avenue	PM	4.0	2.5	No
123. Gilman Springs Road/Bridge Street	PM	4.5	2.9	No
124. SR-79 (Sanderson Avenue) NB/Gilman Springs Road	PM	4.3	2.8	No
125. SR-79(Sanderson Avenue) SB/Gilman Springs Road	PM	4.5	2.9	No
134. Redlands Boulevard/San Timoteo Canyon Road	PM	4.4	2.8	No

Notes:
- ppm = parts per million
- The traffic volumes are from the traffic study from the figure, "Turning Movement Volumes under 2035 Plus Project Conditions."
- The concentrations are derived from the CALINE4 model using emission factors for the year 2012.
- The 1 hour concentration is the CALINE4 output (see Appendix B for model output) includes the 1 hour background concentration of 3 ppm (from Table 4).
- The 8 hour project increment was calculated by multiplying the 1 hour CALINE4 value by 0.7 (persistence factor) and adding a background concentration of 1.84 ppm.
- The existing background concentrations are appropriate because CO emissions in the future are expected to decrease.
- A significant impact would occur if the estimated CO concentration is over the 1 hour state standard of 20 ppm or the 8 hour state/federal standard of 9 ppm.

Level of Significance Before Mitigation

Potentially significant.

Mitigation Measures

Mitigation Measures AQ-1, AQ-2, AQ-4, AQ-5, and AQ-6 are required (see Section 1.3, Mitigation Measures Applied to the Project).

Level of Significance After Mitigation

Significant and unavoidable impact.

For Scenario 1, which reflects the worst case of full build of the project in 2012, there are no mitigation measures that can be logically and feasibly applied. Therefore, the project's impact would remain significant and unavoidable.

For Scenario 2, even after mitigation, both the daily and annual emissions of all pollutants would exceed the SCAQMD's regional emission significance levels and would also continue to exceed the localized significance thresholds as well for nitrogen dioxide, PM_{10}, and $PM_{2.5}$ during construction and operations.

Cumulative Impacts

Impact AIR-3:	**The project would result in a cumulatively considerable net increase of criteria pollutants for which the project region is in nonattainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors).**

Impact Analysis

To result in a less than significant impact, the following criteria must be true:

1. Regional analysis: emissions of nonattainment pollutants must be below the regional significance thresholds. This is an approach recommended by the SCAQMD in its comment letters.
2. Summary of projections: the project must be consistent with current air quality attainment plans including control measures and regulations. This is an approach consistent with Section 15130(b) of the CEQA Guidelines.
3. Cumulative health impacts: the project must result in less than significant cumulative health effects from the nonattainment pollutants.

The voluntary approaches in the SCAQMD's 1993 Handbook are not used in this analysis for the following reasons. The first approach in the 1993 Handbook is a 1-percent-per-year reduction (or 18 percent over 18 years to the year 2010) in project emissions of VOC, NO_X, CO, PM_{10}, and SO_x. This approach is not straightforward and operational reductions are not easy to quantify. The second approach is not applicable because it relies on SCAQMD Regulation XV, which was repealed in 1995 and therefore is not applicable. The third approach is to reduce the rate of growth in vehicle miles traveled and trips. In this approach, the rate of growth in vehicle miles traveled and trips "should be held to the rate of population or household growth." Data that was used by Southern California Association of Governments in the AQMP should be used in this approach; however, that data is not available. Therefore, the approaches in the 1993 SCAQMD Handbook pertaining to cumulative impacts are not used.

Criterion 1: Regional Analysis

If an area is in nonattainment for a criteria pollutant, then the background concentration of that pollutant has historically exceeded the ambient air quality standard. It follows that if a project exceeds the regional threshold for that nonattainment pollutant, then it would result in a cumulatively considerable net increase of that pollutant and result in a significant cumulative impact.

The South Coast Air Basin is in nonattainment for PM_{10}, $PM_{2.5}$, nitrogen dioxide, and ozone. Therefore, if the project exceeds the regional thresholds for PM_{10}, or $PM_{2.5}$, then it contributes to a cumulatively considerable impact for those pollutants. If the project exceeds the regional threshold for NO_X or VOC, then it follows that the project would contribute to a cumulatively considerable

impact for ozone. If the project exceeds the NO_X threshold, it could contribute cumulatively to nitrogen dioxide concentrations.

Thresholds

Regional emissions include those generated from all onsite and offsite activities. Regional significance thresholds have been established by the SCAQMD because emissions from projects in the Basin can potentially contribute to the existing emission burden and possibly affect the attainment and maintenance of ambient air quality standards. Projects within the South Coast Air Basin region with regional emissions in excess of any of the thresholds presented in Table 50 are considered to have a significant regional air quality impact. The SCAQMD recommends the application of the operational regional thresholds for projects that experience overlapping time periods during which both construction and operations occur simultaneously.

Table 50: Regional Significance Air Pollutant Thresholds

Pollutant	Threshold (pounds per day)	
	Construction	Operation
Oxides of Nitrogen (NO_X)	100	55
Reactive Organic Gases (VOC)	75	55
Particulate Matter (PM_{10})	150	150
Particulate Matter ($PM_{2.5}$)	55	55
Oxides of Sulfur (SO_x)	150	150
Carbon Monoxide (CO)	550	550
Source: South Coast Air Quality Management District 2011a.		

According to Section 6.2 in the SCAQMD 1993 Handbook, the thresholds were based in part on Section 182 of the federal Clean Air Act, which identifies ten tons a year of VOC as the significance level for stationary sources of emissions in extreme non-attainment areas for ozone. The threshold was converted to a pounds-per-day threshold. The Basin is defined as a distinct geographic area with a critical air pollution problem for which ambient air quality standards have been promulgated to protect public health. As such, the SCAQMD believes that the thresholds can be established based on scientific and factual data that is contained in the federal and state Clean Air Acts.

Effective April 12, 2010, EPA promulgated a new federal ambient air quality standard for nitrogen dioxide. The current SCAQMD significance thresholds do not take into account this new standard. The SCAQMD may update its significance thresholds for NO_X and nitrogen dioxide; however, there is no indication regarding what the new thresholds will be. The new federal standard of 0.100 ppm is based on the 3-year average of the 98th percentile of the daily maximum 1-hour average. The state standard is 0.18 ppm, which is not to be exceeded at all. Therefore, the two cannot be easily

compared. This analysis uses the current SCAQMD NO_X threshold to determine significance for nitrogen dioxide and NO_X.

Construction Regional Emissions

Table 51 summarizes regional construction-related emissions (without mitigation). The emissions represent the total emissions for all the phases during each construction year. For the assumptions used in generating the emissions, please refer to Section 4.3 of this report. The information shown in Table 51 indicates that the SCAQMD regional emission thresholds would be exceeded for all pollutants shown in the table for all years of construction (except for six years for PM_{10}). Therefore, without mitigation, the short-term construction emissions are considered to have a significant regional impact.

Table 51: Construction Regional Air Pollutant Emissions

Year	Maximum Daily Emissions (pounds per day)				
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$
2013	**705**	**5,793**	**2,867**	**377**	**284**
2014	**472**	**2,335**	**1,353**	**167**	**136**
2015	**443**	**2,084**	**1,250**	149	**123**
2016	**343**	**1,331**	**934**	110	**91**
2017	**547**	**4,076**	**2,411**	**286**	**194**
2018	**400**	**1,781**	**1,334**	133	**96**
2019	**377**	**1,608**	**1,248**	117	**86**
2020	**270**	**942**	**873**	76	**57**
2021	**270**	**942**	**873**	76	**57**
Significance Threshold	75	100	550	150	55
Significant Impact?	Yes	Yes	Yes	Yes	Yes

Notes:
- Exceedances of the threshold are shown in **bold** font.
- Sulfur oxide (SOx) emissions are contained in the CalEEMod output in Appendix A; the maximum emissions would be 6.8 pounds per day, substantially under the threshold of 150 pounds per day.
- The emissions assume all construction activities (mass grading, fine grading, building, utilities, curbing, landscaping, painting, paving, and/or interchange) occur on the same day, depending on the year in which the activity occurs.
- Assumes 15 hours per day of all construction equipment in the "on" position.
- Emissions assume compliance with SCAQMD Rule 403.

VOC = volatile organic compounds NO_X = nitrogen oxides CO = carbon monoxide
PM_{10} and $PM_{2.5}$ = particulate matter
Source of emissions: Appendix A: CalEEMod Output and spreadsheet summaries prepared by Michael Brandman Associates.
Source of significance thresholds: South Coast Air Quality Management District 2011a.

The project would emit minor emissions of sulfur oxides (SOx) from construction equipment exhaust, which are not shown in Table 51, as the maximum emissions (6.8 pounds per day) are less than significant and are far below the threshold of 150 pounds per day.

Operational Regional Emissions: Worst-Case 2012 Analysis

Operational emissions from emission sources generated both onsite and offsite as derived from CalEEMod are shown in Table 52 for the summer season. The vehicle emissions represent emissions from travel within the South Coast Air Basin. As shown in Table 52, the project's emissions of VOC, NO_X, CO, PM_{10}, and $PM_{2.5}$ exceed the SCAQMD's regional thresholds are considered significant. Emissions during the winter are also significant. Emissions of SO_X are less than significant in both the summer and winter seasons. This analysis assumes that each building will have paved access; mitigation ensures this to be the case.

Existing emissions from the existing onsite residences and fugitive dust are not included in this regional analysis. In addition, there may be minor emissions of VOC from the fueling station, depending on what type of fuel is used. However, details regarding the fueling station are currently unknown so the emission source is not estimated.

This is a worst-case analysis because it assumes that the entire project would be built-out in 2012. The motor vehicle and truck emission factors are from 2012, which assumes a "dirtier" fleet than would be the case in later years. The emission factor models assume that later on, the average fleet would be newer as people purchase newer cars, which are more efficient and have fewer air pollutants. In addition, no reductions are taken for the model year 2010 and later trucks that would be accessing the project pursuant to project design features.

Table 52: Operational Regional Air Pollutant Emissions (Worst-Case Analysis)

Scenario	Source	Summer Emissions (pounds per day)				
		VOC	NO_X	CO	PM_{10}	$PM_{2.5}$
Buildout, 2012 emission factors	Vehicles: Local	283	346	3,861	683	42
	Vehicles: Long-haul trucks	1,129	14,510	5,995	1,473	622
	Area source	260	7	6	1	1
	Total	**1,672**	**14,863**	**9,862**	**2,157**	**665**
	Significance Threshold	55	55	550	150	55
	Significant Impact?	Yes	Yes	Yes	Yes	Yes

Notes:
- PM_{10} and $PM_{2.5}$ emissions include exhaust and road dust. Area source emissions include natural gas, painting, and consumer products. Landscaping emissions are negligible.
- Sulfur oxides emissions are under the 150 pounds per day significance threshold and at buildout total approximately 21 pounds per day (15 for long-haul + 6 for local).

VOC = volatile organic compounds NO_X = nitrogen oxides CO = carbon monoxide
PM_{10} and $PM_{2.5}$ = particulate matter
Source of emissions: Appendix A: CalEEMod Output prepared by Michael Brandman Associates.
Source of significance thresholds: South Coast Air Quality Management District 2011a.

Operational Regional Emissions

Operational emissions from emission sources generated both onsite and offsite as derived from CalEEMod are shown in Table 53 for the summer season. The vehicle emissions represent emissions from travel within the South Coast Air Basin. As shown in the table, the project's emissions of VOC, NO_X, CO, PM_{10}, and $PM_{2.5}$ exceed the SCAQMD's regional thresholds during both phases and are considered significant. Emissions during the winter are also significant. Emissions of SOx are less than significant in both the summer and winter seasons. The emissions in this table demonstrate that although the number of vehicles and trucks would increase year by year, the emissions do not increase dramatically because the emission factors decrease over time.

Table 53: Operational Regional Air Pollutant Emissions (Year by Year)

Year	Summer Emissions (pounds per day)					
	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
2014	108	388	645	3	218	25
2015	222	838	1,288	6	462	54
2016	290	1,121	1,643	8	613	72
2017	415	1,638	2,289	11	885	105
2018	554	2,215	2,957	15	1,210	107
2019	626	2,528	3,237	17	1,390	123
2020	678	2,772	3,409	19	1,533	137
2021	721	2,998	3,577	21	1,663	149
2022	733	3,064	3,524	21	1,705	153
Threshold	55	55	550	150	150	55
Significant?	Yes	Yes	Yes	No	Yes	Yes

Notes:
- Emissions are from local vehicles, trucks, natural gas, painting, and consumer products.
- PM_{10} and $PM_{2.5}$ emissions include exhaust and road dust.
- Landscaping emissions are negligible.

VOC = volatile organic compounds NO_X = nitrogen oxides SO_2 = sulfur dioxide
CO = carbon monoxide PM_{10} and $PM_{2.5}$ = particulate matter
Source of emissions: CalEEMod, year by year and includes local motor vehicles, long-haul trucks, natural gas, painting, and consumer products.
Source of significance thresholds: South Coast Air Quality Management District 2011a.

Overlapping Construction and Operational Emissions

There would be overlapping of construction and operational emissions. The operational emissions as shown in Table 53 are used in this analysis. These emissions are added to the construction emissions and are shown in Table 54. As shown in the table, all pollutants for all years exceed the thresholds, with the exception of SOx emissions, which are not shown in the table as they are far below the significance threshold of 150 pounds per day.

Table 54: Combined Construction and Operation Regional Air Pollutant Emissions

Year	Maximum Daily Emissions (pounds per day)				
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$
2013	705	5,793	2,867	377	284
2014	580	2,723	1,998	385	161
2015	665	2,922	2,538	611	177
2016	633	2,452	2,577	723	163
2017	962	5,714	4,700	1,171	299
2018	954	3,996	4,291	1,343	203
2019	1,003	4,136	4,485	1,507	209
2020	948	3,714	4,282	1,609	194
2021	991	3,940	4,450	1,739	206
2022	733	3,064	3,524	1,705	153
Significance Threshold	55	55	550	150	55
Significant Impact?	Yes	Yes	Yes	Yes	Yes

Notes:
- Year 2013 contains construction emissions only; year 2022 contains operational emissions only
- Sulfur oxide (SOx) emissions are contained in the CalEEMod output in Appendix A; the emissions are substantially under the threshold of 150 pounds per day and are a maximum of 21 pounds/day.

VOC = volatile organic compounds NO_X = nitrogen oxides CO = carbon monoxide
PM_{10} and $PM_{2.5}$ = particulate matter
Source of emissions: Appendix A: CalEEMod Output and spreadsheet summaries prepared by Michael Brandman Associates.
Source of significance thresholds: South Coast Air Quality Management District 2011a.

Criterion 3: Plan Approach

Section 15130(b) of the CEQA Guidelines states the following:

> The following elements are necessary to an adequate discussion of significant cumulative impacts: 1) Either: (A) A list of past, present, and probable future projects producing related or cumulative impacts, including, if necessary, those projects outside the control of the agency, or (B) A summary of projections contained in an adopted general plan or related planning document, or in a prior environmental document which has been adopted or certified, which described or evaluated regional or area wide conditions contributing to the cumulative impact.

In accordance with CEQA Guidelines 15130(b), this analysis of cumulative impacts is based on a summary of projections. This analysis is based on the 2003 and 2007 AQMPs. The South Coast Air Basin is in nonattainment for ozone, particulate matter (PM_{10} and $PM_{2.5}$), and nitrogen dioxide, which means that concentrations of those pollutants currently exceed the ambient air quality standards for those pollutants. When concentrations of ozone, PM_{10}, $PM_{2.5}$, and nitrogen dioxide exceed the ambient air quality standard, then those sensitive to air pollution (i.e., children, elderly, sick) could

experience health effects such as decrease of pulmonary function and localized lung edema in humans and animals, increased mortality risk, and risk to public health implied by altered connective tissue metabolism and altered pulmonary morphology in animals after long-term exposures and pulmonary function decrements in chronically exposed humans.

Under the CEQA Guidelines identified above, cumulative impacts may be analyzed using other plans that evaluate relevant cumulative effects. The AQMPs describe and evaluate the future projected emissions sources in the South Coast Air Basin and sets forth a strategy to meet both state and federal Clear Air Act planning requirements and federal ambient air quality standards. Therefore, the AQMPs are relevant plans for a CEQA cumulative impacts analysis. The 2003 AQMP updates the attainment demonstration for the federal standards for ozone and PM_{10}; replaces the 1997 attainment demonstration for the federal CO standard and provides a basis for a maintenance plan for CO for the future; and updates the maintenance plan for the federal nitrogen dioxide standard that the South Coast Air Basin has met since 1992. The 2007 AQMP focuses on ozone and $PM_{2.5}$. The AQMP also incorporates significant new scientific data, emission inventories, ambient measurements, control strategies, and air quality modeling.

The geographic scope for cumulative criteria pollution from air quality impacts is the South Coast Air Basin, because that is the area in which the air pollutants generated by the sources within the basin circulate and dispersed. The SCAQMD is required to prepare and maintain an AQMP and a State Implementation Plan to document the strategies and measures to be undertaken to reach attainment of ambient air quality standards. While the SCAQMD does not have direct authority over land use decisions, it is recognized that changes in land use and circulation planning are necessary to maintain clean air. The SCAQMD evaluated the entire Basin when it developed the AQMP.

In accordance with CEQA Guidelines section 15064, subdivision (h)(3), a lead agency may determine that a project's incremental contribution to a cumulative effect is not cumulatively considerable if the project complies with the requirements in a previously approved plan or mitigation program. As identified in Impact AIR-1, the project complies with the control measures in the 2003 and the 2007 AQMP and all of the SCAQMD's applicable rules and regulations. However, because the project exceeds the SCAQMD's CEQA significance thresholds, the analysis contained in Impact AIR-1 demonstrates that the project is not consistent with the most recent AQMP and State Implementation Plan without mitigation. Therefore, the project presents a significant impact according to this criterion.

Criterion 4: Cumulative Health Impacts

The Basin is in nonattainment for ozone, nitrogen dioxide, PM_{10}, and $PM_{2.5}$, which means that the background levels of those pollutants are at times higher than the ambient air quality standards. The air quality standards were set to protect public health, including the health of sensitive individuals (such as the elderly, children, and the sick). Therefore, when the concentration of those pollutants exceeds the standard, it is likely that some sensitive individuals in the population would experience

health effects that were described in Table 6. However, the health effects are a factor of the dose-response curve. Concentration of the pollutant in the air (dose), the length of time exposed, and the response of the individual are factors involved in the severity and nature of health impacts. If a significant health impact results from project emissions, it does not mean that 100 percent of the population would experience health effects.

The regional analysis indicates that without mitigation, the project would exceed the SCAQMD regional significance thresholds for VOC and NO_X (ozone precursors). Because ozone is a secondary pollutant (it is not emitted directly but formed by chemical reactions in the air), it can be formed miles downwind of the project site. Project emissions of VOC and NO_X may contribute to the background concentration of ozone and cumulatively cause health effects. Impacts may include the following: irrigation to respiratory system; reduce lung function; breathing pattern changes; reduction of breathing capacity; inflame and damage cells that line the lungs; make lungs more susceptible to infection; aggravate asthma; aggravate other chronic lung diseases; cause permanent lung damage; some immunological changes; increased mortality risk; vegetation and property damage. Children who live in high ozone communities and who participate in multiple sports have been observed to have a higher asthma risk. This is a significant cumulative health impact associated with ground-level ozone concentrations.

Additionally, the project could result in a significance cumulative contribution to $PM_{2.5}$ and PM_{10}. Sensitive individuals may experience health impacts when concentrations of those pollutants exceed the ambient air quality standards. Health impacts from particulate matter may include the following:

- Short-term exposure (hours/days): irrigation of the eyes, nose, throat; coughing; phlegm; chest tightness; shortness of breath; aggravate existing lung disease, causing asthma attacks and acute bronchitis; those with heart disease can suffer heart attacks and arrhythmias.
- Long-term exposure: reduced lung function; chronic bronchitis; death.

The project could result in a significant impact to nitrogen dioxide. The potential effects from nitrogen dioxide may include the following:

- Potential to aggravate chronic respiratory disease and respiratory symptoms in sensitive groups;
- Risk to public health implied by pulmonary and extra-pulmonary biochemical and cellular changes and pulmonary structural changes; and/or
- Contribution to atmospheric discoloration.

Although CO would exceed the regional significance thresholds during operation, there would not be significant health effects because the main source of CO is from motor vehicles. CO can accumulate

at project impacted intersections. However, according to the CO hotspot shown in Impact AIR-2, the project would not result in an exceedance of the CO ambient air quality standard at project impacted intersections. The background concentrations of CO are far below the ambient air quality standards. The standards are set to protect the health of sensitive individuals. Therefore, the project would not result in health effects from CO exposure.

Level of Significance Before Mitigation

Potentially significant.

As shown in the analysis above, construction and operational emissions of VOC, NO_X, CO, PM_{10}, and $PM_{2.5}$ exceed the SCAQMD's regional significance thresholds. In addition, cumulative nitrogen dioxide 1-hour localized concentrations are above the national ambient air quality standard. Resulting cumulative health impacts from ozone, nitrogen dioxide, PM_{10}, and $PM_{2.5}$ could be experienced in the South Coast Air Basin.

Mitigation Measures

Mitigation Measures AQ-1 through AQ-7 are required (see Section 1, Executive Summary).

Level of Significance After Mitigation

Construction

Significant and unavoidable impact.

There are several methods to reduce daily construction emissions, one of which is to increase the tier of the off-road construction equipment. The unmitigated construction emissions assumed CalEEMod default equipment tiers. Beginning in the year 2011, new off-road mobile engines sold that are greater than 175 horsepower (hp) and non-emergency stationary engines less than 10 liters per cylinder and greater than 175 hp are required to meet Tier 4 Interim standards (Caterpillar 2011). Tier 4 Final for engines greater than 130 hp will not be required until the year 2014. The availability of Tier 3 and Tier 4 equipment varies; therefore, it is not always feasible to use Tier 3 and Tier 4 equipment. Therefore, Mitigation Measure AQ-1 allows for flexibility in requiring greater tiered equipment.

As shown in Table 55, construction emissions are still significant after mitigation; however, during some years, PM_{10} and $PM_{2.5}$ emissions are reduced to less than significant. Mitigation reduces emissions of all pollutants during construction.

Table 55: Construction Regional Air Pollutant Emissions (after Mitigation)

Year	Maximum Daily Emissions (pounds per day)				
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$
2013	260	1,594	1,716	169	114
2014	350	1,709	1,834	179	121
2015	219	860	974	85	60
2016	160	547	650	61	41
2017	248	1,529	1,653	86	32
2018	351	1,745	1,868	94	36
2019	221	902	1,024	45	17
2020	146	509	616	31	11
2021	146	509	616	31	11
Significance Threshold	75	100	550	150	55
Significant Impact?	Yes	Yes	Yes	Yes	Yes

Notes:
- Sulfur oxide (SOx) emissions are contained in the CalEEMod output in Appendix A; the maximum emissions would be 3 pounds per day after mitigation, substantially under the threshold of 150 pounds/day.
- Mitigation Measure AQ-1a and 1b were estimated by CalEEMod using its mitigation module. Tier 4 Interim standards would reduce $PM_{2.5}$ emissions by at least 85 percent compared with Tier 3, according to the emission factors in Appendix D of the CalEEMod manual, Table 3.5. Therefore, since Tier 4 would reduce emissions more than diesel PM filters, the result of Tier 3 with the 85 percent reduction from diesel PM filters is used in this analysis to estimate the mitigated emissions.
- Mitigation Measure AQ-1c restricts equipment from operating more than 10 hours per day in the on position, which is estimated by reducing the hours of operation from 15 hours to 10 hours in CalEEMod.
- Mitigation Measures AQ-1d through AQ-1f and AQ-2 are not quantified.
- Mitigation Measure AQ-1g is assumed in the unmitigated and mitigated estimates.
- Mitigation Measure AQ-3 reduces VOC emissions during painting and is calculated as demonstrated in the spreadsheets in Appendix A.

VOC = volatile organic compounds NO_X = nitrogen oxides
CO = carbon monoxide PM_{10} and $PM_{2.5}$ = particulate matter
Source of emissions: Appendix A: CalEEMod Output and spreadsheets prepared by Michael Brandman Associates.
Source of significance thresholds: South Coast Air Quality Management District 2011a.

Mitigation Measure AQ-4 would reduce impacts during mass grading by ensuring that activities would not occur on days where the background concentration in the project area exceeds a specified Air Quality Index value. The Air Quality Index is an index for reporting daily air quality. It indicates how clean or polluted the air is and what associated health effects might be a concern. The Air Quality Index focuses on health effects that may be experienced within a few hours or days after breathing polluted air. Descriptions for the various levels in the Air Quality Index are shown in Table 56.

Table 56: Air Quality Index Descriptions

Air Quality Index Levels of Health Concern	Air Quality Index Numerical Range	Ozone Concentration for Air Quality Index (ppb)		Meaning
		8-Hour	1-Hour	
Good	Low: 0 High: 50	—	—	Air quality is considered satisfactory, and air pollution poses little or no risk
Moderate	Low: 51 Std: 84* High: 100	Low: 59 Std: 70*	Low: 85	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.
Unhealthy for Sensitive Groups	Low: 101 High: 150	Low: 75 (also the federal standard)	Low: 125	Members of sensitive groups may experience health effects. The general public is not likely to be affected. People with heart or lung disease, children, and older adults are considered sensitive and are at greater risk. For ozone, people who are active outdoors are also considered sensitive.
Unhealthy	Low: 151 High: 200	Low: 95	Low: 165	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	Low: 201 High: 300	Low: 115	Low: 205	Health warnings of emergency conditions. The entire population is more likely to be affected.
Hazardous	Low: 301 High: 500	Low: 374	Low: 405	Health alert: everyone may experience more serious health effects

Notes:
ppb = parts per billion (a measure of concentration)
* Std = 8-hour California ozone ambient air quality standard
Source of Meaning: U.S. Environmental Protection Agency 2009d.
Source of ozone concentrations: U.S. Environmental Protection Agency 2012.

The federal 8-hour ambient air quality standard for ozone is 75 ppb and the California standard is 70 ppb. The California 1-hour standard for ozone is 90 ppb. Therefore, to achieve the federal ambient air quality standard for ozone, the Air Quality Index would need to be below 101. To achieve the state 8-hour ambient air quality standard for ozone, the Air Quality Index would need to be below 84.

In the Moreno Valley area, the air quality index was as follows (source: SCAQMD Air Quality Specialist, Mark Bassett, personal communication May 22, 2012):

- 2010: air quality index was greater than 150 on one day.
- 2011: air quality index was greater than 150 on one day.

Operation

Significant and unavoidable.

The project may employ workers locally from the City. This has the benefit of improving the local jobs/housing balance leading to air quality benefits in terms of shorter trip lengths, which lead to lower emissions than if the workforce was derived from distant locations.

Mitigated operational emissions for full buildout are shown in Table 57. Local motor vehicle emissions are reduced from 3 percent pursuant to Mitigation Measure AQ-7 (see greenhouse gas analysis for description of mitigation reductions). However, even with mitigation, emissions are still significant. Therefore, there could be cumulative health effects from ozone, PM_{10}, and $PM_{2.5}$ as described earlier.

Table 57: Operational Regional Air Pollutant Emissions (Mitigated)

Phase	Source	Summer Emissions (pounds per day)				
		VOC	NO_X	CO	PM_{10}	$PM_{2.5}$
Build-out (2022)	Vehicles: Local	147	139	1,889	665	31
	Vehicles: Long-haul trucks	322	2,913	1,571	1,019	121
	Area source	260	7	6	1	1
	Total	**729**	**3,059**	**3,466**	**1,685**	**153**
	Significance Threshold	55	55	550	150	55
	Significant Impact?	Yes	Yes	Yes	Yes	Yes

Notes:
- PM_{10} and $PM_{2.5}$ emissions include exhaust and road dust.
- Area source emissions include natural gas, painting, and consumer products; landscaping emissions are negligible.
- Sulfur oxides emissions are under the 150 pounds per day significance threshold and at buildout total approximately 21 pounds per day (15 for long-haul + 6 for local).
- Mitigation Measure AQ-7 would reduce emissions from local vehicles, as calculated by CalEEMod; refer to greenhouse gas analysis for details.

VOC = volatile organic compounds NO_X = nitrogen oxides
CO = carbon monoxide PM_{10} and $PM_{2.5}$ = particulate matter
Source of emissions: Appendix A: CalEEMod Output prepared by Michael Brandman Associates.
Source of significance thresholds: South Coast Air Quality Management District 2011a.

Overlapping Construction and Operation

Significant and unavoidable.

During overlap of construction and operation, VOC, NO_X, CO, PM_{10}, and $PM_{2.5}$ would continue to exceed SCAQMD significance thresholds after mitigation, as shown in Table 58.

Table 58: Combined Construction and Operation Regional Air Pollutant Emissions (Mitigated)

Year	Maximum Daily Emissions (pounds per day)				
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$
2013	260	1,594	1,716	169	114
2014	457	2,096	2,466	394	145
2015	439	1,696	2,237	542	114
2016	448	1,666	2,262	666	113
2017	661	3,163	3,900	960	136
2018	901	3,956	4,773	1,289	143
2019	843	3,426	4,205	1,419	140
2020	819	3,277	3,966	1,545	147
2021	862	3,503	4,132	1,674	160
2022	729	3,060	3,466	1,684	152
Significance Threshold	55	55	550	150	55
Significant Impact?	Yes	Yes	Yes	Yes	Yes

Notes:
- Sulfur oxide (SO_X) emissions are contained in the CalEEMod output in Appendix A; the emissions are substantially under the threshold of 150 pounds per day.

VOC = volatile organic compounds NO_X = nitrogen oxides CO = carbon monoxide
PM_{10} and $PM_{2.5}$ = particulate matter
Source of emissions: Appendix A: CalEEMod Output and spreadsheet summaries prepared by Michael Brandman Associates.
Source of significance thresholds: South Coast Air Quality Management District 2011a.

Sensitive Receptors

Impact AIR-4: The project could expose sensitive receptors to substantial pollutant concentrations.

Impact Analysis

Sensitive Receptors

Those individuals who are sensitive to air pollution include children, the elderly, and persons with preexisting respiratory or cardiovascular illness. For purposes of CEQA, the SCAQMD considers a sensitive receptor to be a location where a sensitive individual could remain for 24 hours, such as residences, hospitals, or convalescent facilities (South Coast Air Quality Management District 2008). Commercial and industrial facilities are not included in the definition because employees do not typically remain onsite for 24 hours. However, when assessing the impact of pollutants with 1-hour or 8-hour standards (such as nitrogen dioxide and carbon monoxide), commercial and/or industrial facilities would be considered sensitive receptors for those purposes, according to the SCAQMD localized significance threshold guidance (South Coast Air Quality Management District 2008).

The closest sensitive receptors are existing residences located within the boundaries of the project at the intersection of Redlands Boulevard and Dracaea Avenue, near the intersection of Theodore Street and Eucalyptus Street, and near the intersection of Theodore Street and Dracaea Avenue. Those are non-conforming residences that may remain after the project is constructed. Additional residences are located to the west of the project's western boundary across Redlands Boulevard. The closest school is the Calvary Baptist Christian School located approximately 1.3 miles northwest of the project. Valley View Elementary School and Valley View High School are located approximately 2 miles west of the project. Schools and hospitals are noted on Exhibit 10.

Localized Significance Threshold Analysis

The localized construction analysis uses thresholds that represent the maximum emissions for a project that would not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard (South Coast Air Quality Management District 2008). The thresholds are developed based on the ambient concentrations of that pollutant for each source receptor area and on the location of the sensitive receptors. If the project results in emissions under those thresholds, it follows that the project would not cause or contribute to an exceedance of the standard. The standards are set to protect the health of sensitive individuals. If the standards are not exceeded at the sensitive receptor locations, it follows that the receptors would not be exposed to substantial pollutant concentrations.

As identified in Impact AIR-2, the localized impact analysis demonstrated that the project would exceed the localized thresholds for NO_2, PM_{10}, and $PM_{2.5}$ during the both the worst case scenario (Existing Plus Project) and in the proposed development scenario of construction year 2013, the year 2017 accompanied by both project construction and operation, and in for PM_{10} in 2022 the first year of the complete buildout of the project. Therefore, the project would expose sensitive receptors to substantial pollutant concentrations of NO_2, PM_{10}, or $PM_{2.5}$.

Health effects of nitrogen dioxide can include the following: (a) potential to aggravate chronic respiratory disease and respiratory symptoms in sensitive groups; (b) risk to public health implied by pulmonary and extra-pulmonary biochemical and cellular changes and pulmonary structural changes; and (c) contribution to atmospheric ozone formation with ozone attendant health effects.

Health effects from particulate matter can include the following: (a) Exacerbation of symptoms in sensitive patients with respiratory or cardiovascular disease; (b) Declines in pulmonary function growth in children; and/or (c) Increased risk of premature death from heart or lung diseases in the elderly. Daily fluctuations in $PM_{2.5}$ levels have been related to hospital admissions for acute respiratory conditions, school absences, and increased medication use in children and adults with asthma.

CO Hot Spot Analysis

A CO hot spot analysis is the appropriate tool to determine if project emissions of CO during operation would exceed ambient air quality standards. The main source of air pollutant emissions during operation are from offsite motor vehicles traveling on the roads surrounding the project. The CO hot spot analysis demonstrated that emissions of CO during operation would not result in an exceedance of the most stringent ambient air quality standards for CO. The standards are set to protect the health of sensitive individuals. If the standards are not exceeded, then the sensitive individuals would not be significantly impacted. As shown in Impact AIR-2, impacts are less than significant. Therefore, according to this criterion, air pollutant emissions during operation would result in a less than significant impact.

Toxic Air Contaminants - Sensitive Receptors

Significance Thresholds

The SCAQMD has also defined health risk thresholds as follows:

- Maximum Incremental Cancer Risk: 10 in 1 million at the maximally impacted sensitive receptor;
- Hazard Index (project increment) 1.0 or greater.

Cancer risk represents the probability (in terms of risk per million individuals) that an individual would contract cancer resulting from exposure to TACs continuously over a period of 70 years for sensitive receptors. Thus, an individual located in an area with a cancer risk of one would experience a one chance in one million of contracting cancer over a 70-year period assuming that individual lives in that area continuously for the entire 70-year time period for a sensitive receptor.

Health Risk Assessment: Project Emissions

As noted earlier in Section 4.6.4, Assessment Scenarios, the project health risk assessment examined two scenarios:

- **Scenario 1:** The "No Project" scenario in which cancer risks are estimated given vehicle traffic and diesel PM emissions spanning the 70-year cancer risk exposure time period from the existing condition 2012 to 2081 under the assumption that existing land uses plus other past, present, and reasonably foreseeable projects (both land development and roadway improvements) are implemented in 2017, 2022, and 2035. Within the City of Moreno Valley full buildout of the General Plan was assumed in 2035, except for the project site, which was assumed to be unchanged from existing conditions.
- **Scenario 2:** The "With Project" scenario shows the effect of project-related construction and operational traffic diesel PM emissions if the project were built out in accordance with its proposed phased buildout schedule and then added to the No Project scenario during the 70-year cancer exposure time period from 2012 to 2081. This scenario forms the basis of comparison with the "No Project" to quantify the incremental impacts from the project.

Table 59 compares the total operational diesel PM emissions estimated for Scenario 1 "No Project" and Scenario 2 "With Project" including the project truck yards, local roadway network internal to the project site, local surface streets, and freeway mainline segments in this assessment for the years 2012, 2017, 2022, and 2035.

Table 59: Operational Diesel PM Emission Estimates for Scenario 1 and Scenario 2

Year	Diesel PM Emissions (pounds/day)		
	Scenario 1 (No Project)	Scenario 2 (With Project)	Project Increment
2012	823	823	0
2017	265	289	24
2022	260	314	54
2035	362	413	51

Source: Michael Brandman Associates (emissions were estimated using the procedures outlined in Appendix F, Health Risk Assessment Spreadsheets and AERMOD Output).

Of note from the above table is that diesel PM emissions decline significantly from the existing condition in 2012 throughout the future years due to the effects of mandated emission controls on heavy duty diesel vehicles. Further, the Scenario 2 "With Project" emissions for 2017, 2022, and 2035 are all less than the existing 2012 emissions. Note further that the future decline in emissions would even be greater than indicated except that the emission totals reflect growth in future vehicle traffic that offsets some of the emission declines resulting simply from the mandated emission controls.

Exhibit 17 shows the estimated 70-year lifetime cancer risks assuming that the project is not developed, the "No Project" scenario. As noted, the highest estimated cancer risk is 184 in a million in the area near the I-110 and SR-60 interchange near Beaumont, California. A cancer risk of approximately 21 in a million was found at the sensitive receptors located within the WLC Specific Plan and a cancer risk of 25 in a million within the residential areas located to the west of the WLC Specific Plan across Redlands Boulevard.

Exhibit 18 shows the estimated 70-year lifetime cancer risks assuming the project is developed, the "With Project" scenario which adds the risks from the project to the "No Project" risks. The highest estimated cancer risk is 190 in a million in the area near the I-10 and SR-60 interchange near Beaumont, California. A cancer risk of approximately 122 in a million at the sensitive receptors located within the WLC Specific Plan and a cancer risk of 47 in a million within the residential areas located to the west of the WLC Specific Plan across Redlands Boulevard.

Exhibit 19 shows the estimated incremental 70-year cancer risk associated with the development of the project, which is derived as the difference between the "With Project" scenario and the "No

Project" scenario. A maximum cancer risk of 100 in a million was noted at the sensitive receptors located within the WLC Specific Plan while a maximum risk of 22 in a million was found within the sensitive receptors located within the residential areas to the west of the WLC Specific Plan across Redlands Boulevard.

Table 60 compares the maximum cancer risks for Scenario 1, "No Project", Scenario 2, "With Project", and the project's incremental impact at three locations: at the maximum individual cancer risk anywhere in the area covered by the dispersion model, at the sensitive receptors located within the boundaries of the WLC Specific Plan, and at the sensitive receptors located in the residential areas to the west of the WLC Specific Plan across Redlands Boulevard. Each scenario quantified cancer risks over the 2012-2081 70-year risk exposure time period; further, the project's incremental impacts include both construction and operational emissions,

Table 60: Estimated Cancer Risks for Sensitive Receptors - Without Mitigation

Receptor Location	Cancer Risk (risk per million)[1]				Project Increment Exceeds Threshold?
	Scenario 1 No Project	Scenario 2 With Project[2]	Project Increment[2]	Significance Threshold	
Maximum Individual Cancer Risk[3]	183.9	190.4	6.5	10	No
Cancer Risk within the Specific Plan[4]	21.0	121.7	100.7	10	Yes
Cancer Risk in Residential Areas Across Redlands Boulevard[5]	25.0	47.2	22.2	10	Yes

Notes:
1 70-year lifetime exposures over the 2012 to 2081 time period.
2 Project's incremental impacts assume unmitigated construction diesel PM emissions
3 The maximum individual cancer risk is located near the intersection of I-10 and SR-60 near the City of Beaumont
4 The maximum impacted sensitive receptor located within the Specific Plan is located near the Intersection of Theodore Street, Street E and Street F
5 The maximum impacted sensitive receptor within the residential areas to the west of the project across Redlands Boulevard is located near the intersection of Redlands Boulevard and Eucalyptus Avenue
Source: Dispersion modeling conducted by Michael Brandman Associates, see Appendix F, Health Risk Assessment Spreadsheets and AERMOD Output.

As noted from the above table, the project's incremental cancer risks exceed the SCAQMD's cancer risk significance threshold of 10 in a million at sensitive receptor locations both within the WLC Specific Plan boundaries (existing residences) as well as within the residential areas located to the west of the WLC Specific Plan across Redlands Boulevard.

Exhibit 20 provides the cancer risk within the immediate vicinity of the project. The location of the maximum incremental cancer risk occurs at the existing sensitive receptors located within the WLC Specific Plan near the intersection of Theodore Street, Street E, and Street F.

Onsite Worker Exposure

There are a variety of state and national programs that protect workers from safety hazards, including high air pollutant concentrations (California Division of Occupational Safety and Health; Centers for Disease Control and Prevention 2012)

Onsite workers are not required to be addressed through this health risk assessment process. A document published by the California Air Pollution Control Officers Association (2009), "Health Risk Assessments for Proposed Land Use Projects," indicates that onsite receptors are included in risk assessments if they are persons not employed by the project. Persons not employed by the project would not remain onsite for any significant period. Therefore, a health risk assessment for onsite workers is not required or recommended. Regarding offsite worker exposures, assuming the worker exposure assumptions of 40 years, 8 hours per day, and 49 weeks per year as per the OEHHA recommendations, the highest offsite worker exposure cancer risk due to the project's DPM emissions was found to be 4.0 in a million. This risk level is less than the SCAQMD cancer risk threshold of 10 in one million.

Non-Cancer Hazards Impacts

The maximum non-cancer chronic hazard index from the operation of the project is estimated to be less than 0.05 at any location outside of the boundaries of the WLC specific plan. This index value is less than the SCAQMD's non-cancer hazard index significance threshold of 1.0. Therefore, the project would have a less than significant non-cancer hazard impact.

City of Moreno Valley General Plan

The City of Moreno Valley General Plan (2006) contains the following policies to help reduce air quality impacts to sensitive receptors:

- Policy 6.7.4 Locate heavy industrial and extraction facilities away from residential areas and sensitive receptors.
  - Project consistency: The project would not contain heavy industrial and extraction facilities (such as a gravel mine). The project would contain warehousing, distribution, and light logistics. Therefore, the project is consistent with this policy.
- Policy 6.7.5 Require grading activities to comply with South Coast Air Quality Management District's Rule 403 regarding the control of fugitive dust.
  - Project consistency: The project would comply with all applicable rules and regulations. Mitigation Measure AQ-1 requires that the project demonstrate compliance with Rule 403.

Level of Significance Before Mitigation

Potentially significant.

Mitigation Measures

Mitigation Measures AQ-1, AQ-2, AQ-4, AQ-5, and AQ-6 are required (see Section 1, Executive Summary).

Level of Significance After Mitigation

Significant and unavoidable impact.

The 70-year lifetime cancer risks after implementation of mitigation are summarized shown in Table 61 for the project incremental health risk impacts. As shown, cancer risks exceed the threshold of 10 in one million. Despite implementation of mitigation measures impacts remain significant and unavoidable. Exhibit 21 displays the project's cancer risks after mitigation.

Table 61: Estimated Cancer Risks for Sensitive Receptors - With Mitigation

Receptor Location	Cancer Risk (risk per million)[1]				Project Increment Exceeds Threshold?
	Scenario 1 No Project	Scenario 2 With Project[2]	Project Increment[2]	Significance Threshold	
Maximum Individual Cancer Risk[3]	183.9	190.2	6.3	10	No
Cancer Risk within the Specific Plan[4]	21.0	97.8	76.8	10	Yes
Cancer Risk in Residential Areas Across Redlands Boulevard[5]	25.0	45.9	20.9	10	Yes

Notes:
1 70-year lifetime exposures over the 2012 to 2081 time period.
2 Project's incremental impacts assume unmitigated construction diesel PM emissions
3 The maximum individual cancer risk is located near the intersection of I-10 and SR-60 near the City of Beaumont
4 The maximum impacted sensitive receptor located within the Specific Plan is located near the Intersection of Theodore Street, Street E and Street F
5 The maximum impacted sensitive receptor within the residential areas to the west of the project across Redlands Boulevard is located near the intersection of Redlands Boulevard and Eucalyptus Avenue.
Source: Source: Dispersion modeling conducted by Michael Brandman Associates, see Appendix F, Health Risk Assessment Spreadsheets and AERMOD Output.

A Note on Cancer Risks

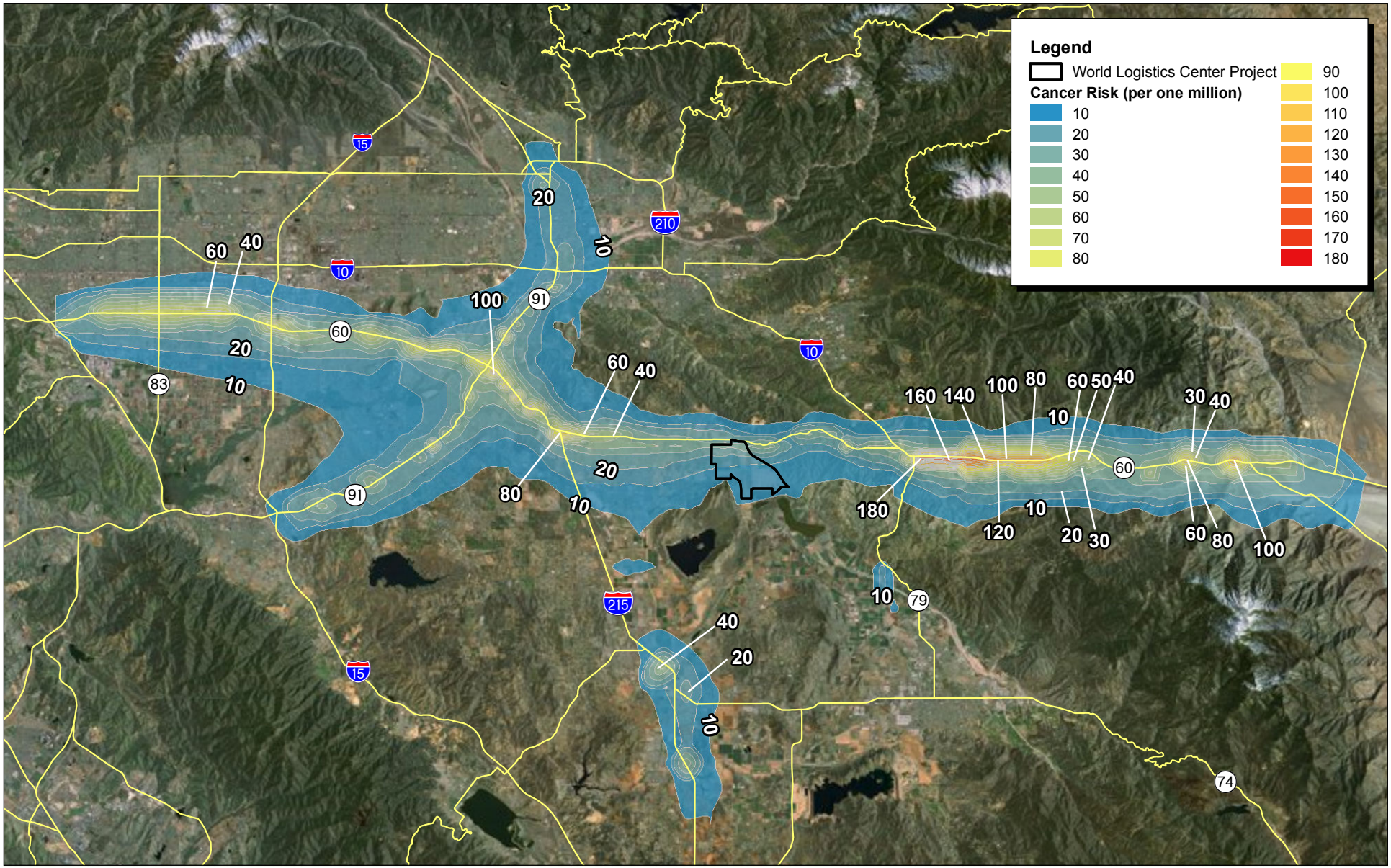
A risk level of 1 in a million implies a likelihood that up to one person, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the specific concentration over 70 years (an assumed lifetime). This risk would be an excess cancer risk that is in addition to any cancer risk borne by a person not exposed to these air toxics.[10]

[10] Definition of a 1 in a million cancer risk from the US EPA, Technology Transfer Network Air Toxics, Glossary of Key Terms, Website: www.epa.gov/ttn/atw/natamain/gloss1.html.

Sample causes of death or harm in the United States are shown in Table 62. As shown in the table, the risk of harm from an aircraft accident is 25 in a million, which is 2.5 times more than the SCAQMD's threshold of 10 in a million and 30 percent greater than the project's maximum cancer risk in the residential areas to the west of the project across Redlands Boulevard.

Table 62: Sample Risks

Cause of Death or Harm	Lifetime Risk	Risk (in a million)
Heart disease	1 in 4	250,000
Pneumonia	1 in 57	17,544
Plague	1 in 240,000	4
Anthrax	1 in 730,000	1
Criminal homicide	1 in 240	4,167
Motor vehicle accident	1 in 88	11,364
Commercial aircraft accident	1 in 40,000	25
Passenger train accident	1 in 920,000	1
Accidental electrocution	1 in 4,000	250
Lightening	1 in 39,000	26
Shark attack	1 in 3,700,000	0.3
Source of lifetime risk: Covello, 2005. Source of risk (in a million): converted by Michael Brandman Associates using procedures outlined in RAIS, 2012.		



Source: Dispersion modeling conducted by Michael Brandman Associates using the ISC AERMOD View program; ESRI Aerial Imagery 2012.

Michael Brandman Associates

NORTH

7 3.5 0 7 Miles

Exhibit 17
No Project Cancer Risk

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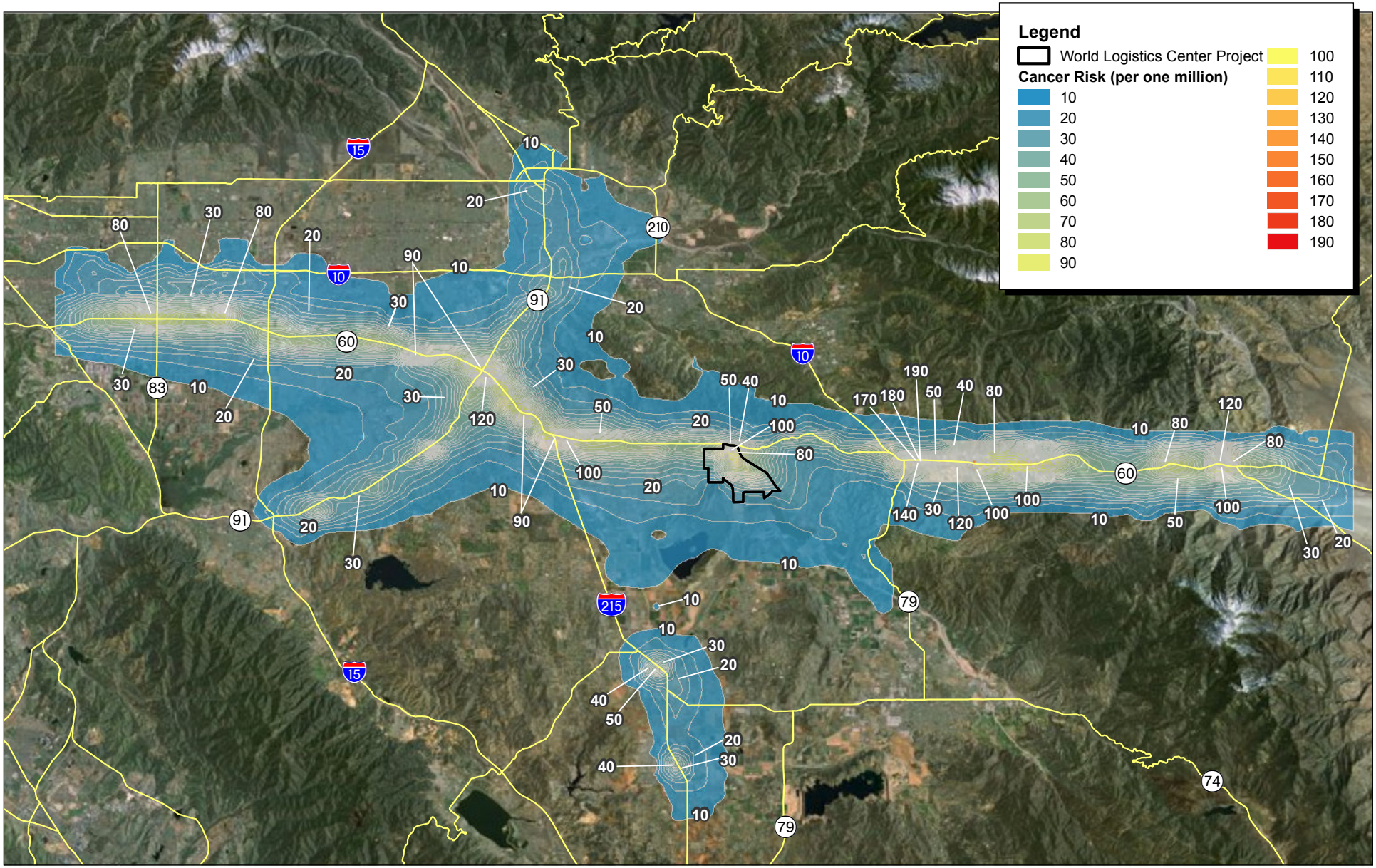


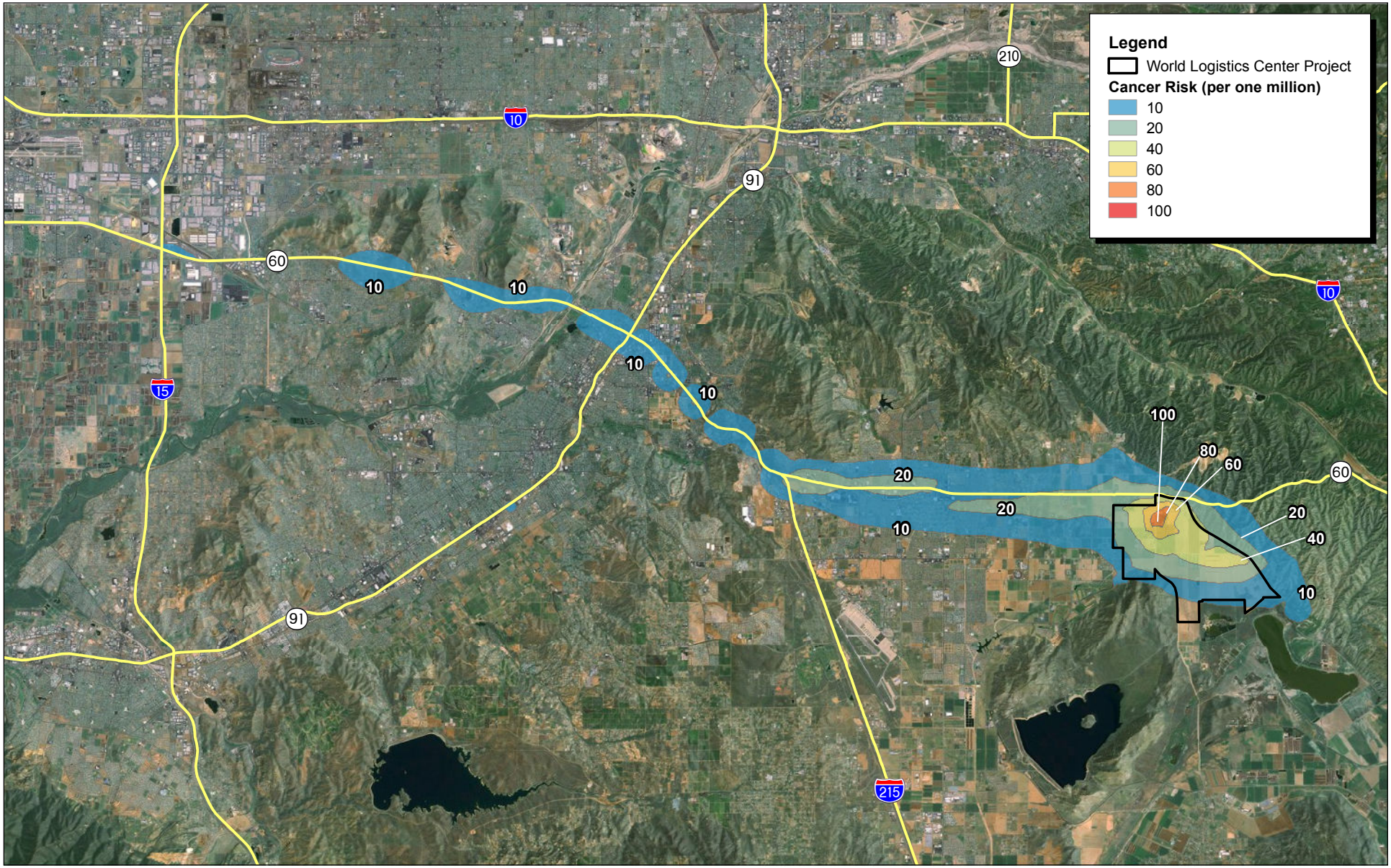
Source: Dispersion modeling conducted by Michael Brandman Associates using the ISC AERMOD View program; ESRI Aerial Imagery 2012.

Michael Brandman Associates

NORTH

7 3.5 0 7 Miles

Exhibit 18
With Project Cancer Risk



Source: Dispersion modeling conducted by Michael Brandman Associates using the ISC AERMOD View program; ESRI Aerial Imagery 2012.

Michael Brandman Associates

NORTH

3 1.5 0 3 Miles

Exhibit 19
Project Incremental Cancer Risk

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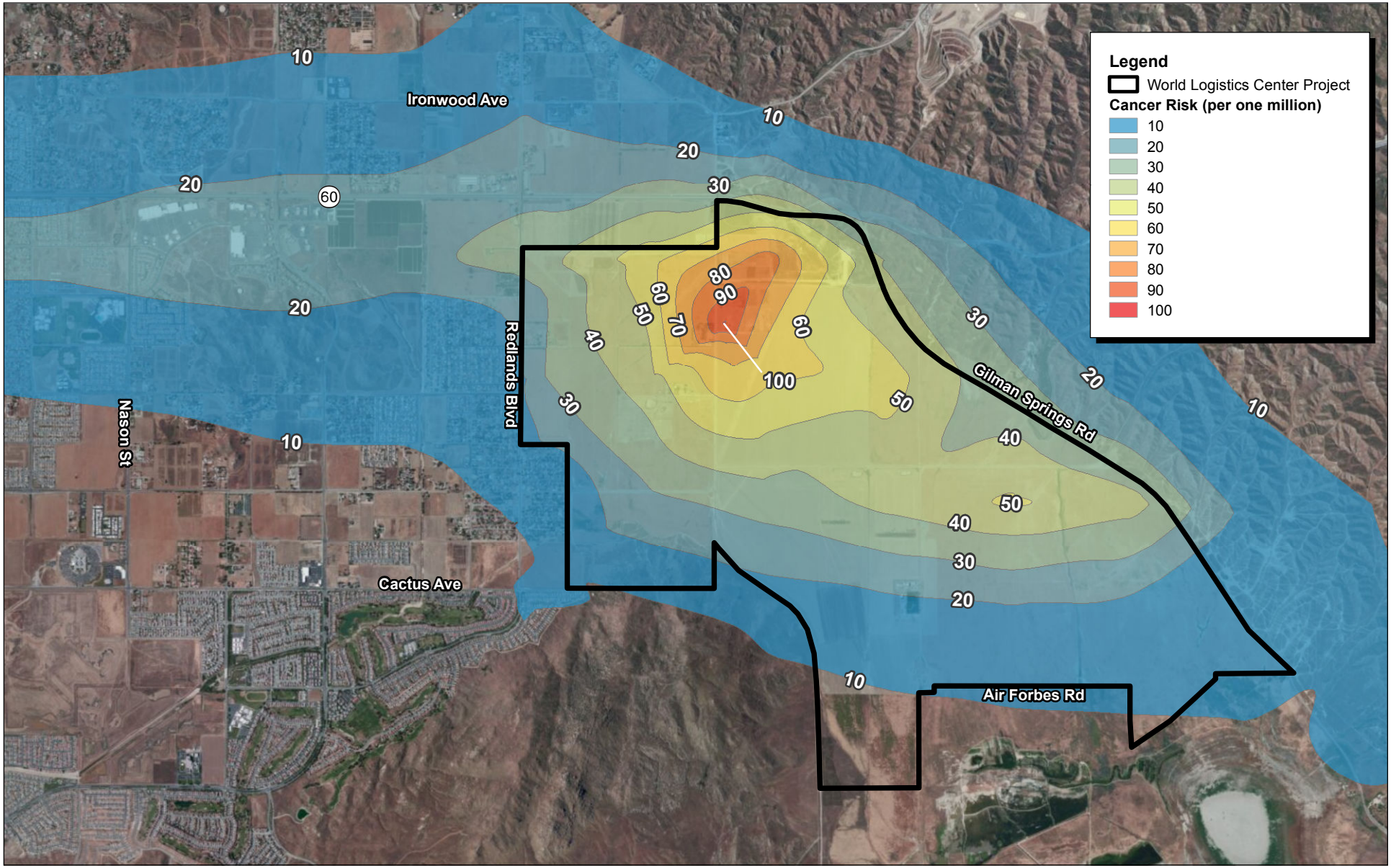

Source: Dispersion modeling conducted by Michael Brandman Associates using the ISC AERMOD View program; ESRI Aerial Imagery 2012.

NORTH

3,800 1,900 0 3,800 Feet

Michael Brandman Associates

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Exhibit 20
Project Incremental Cancer Risk Near Project

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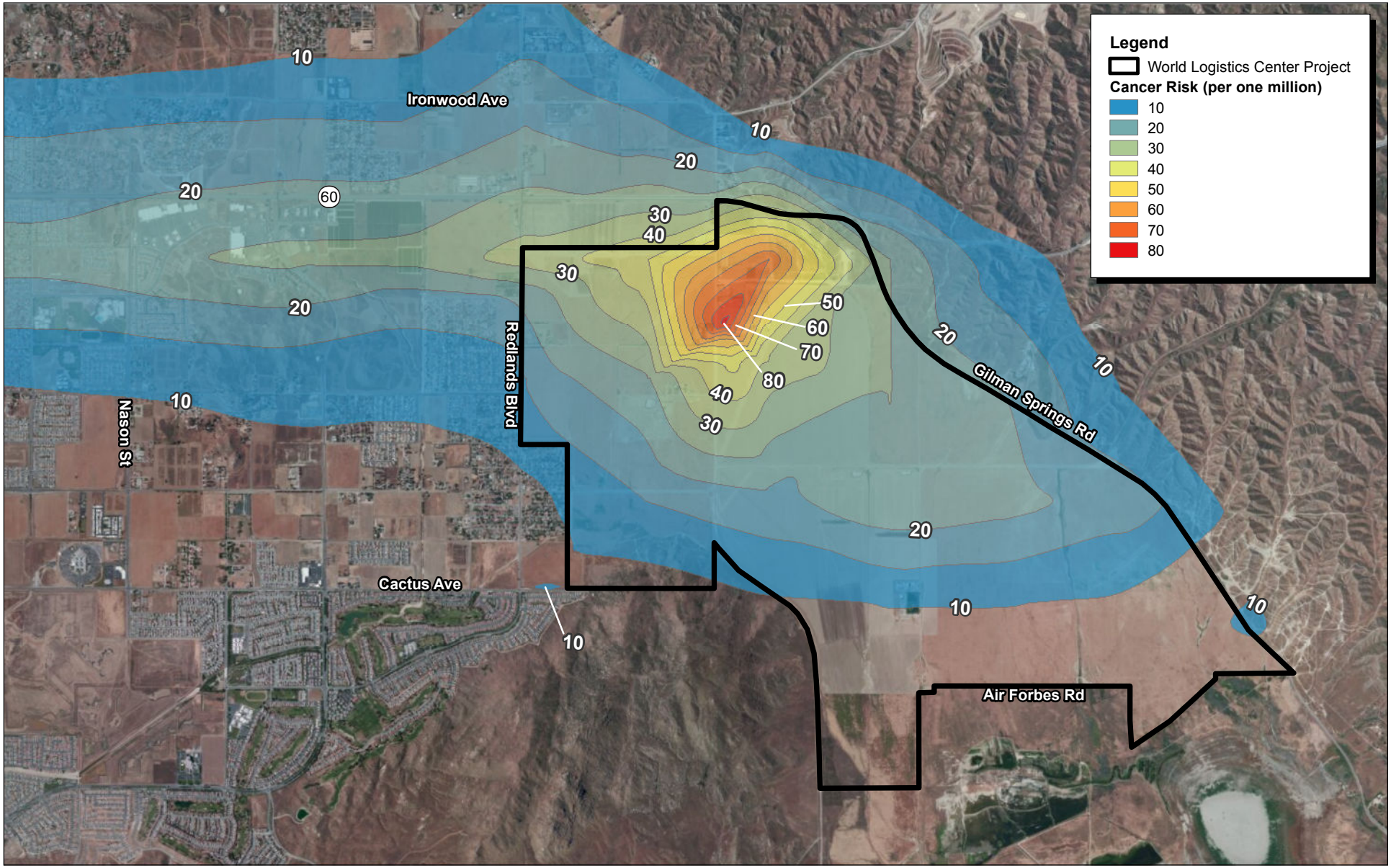
AIR QUALITY, GREENHOUSE GAS, AND HEALTH RISK ASSESSMENT REPORT



Source: Dispersion modeling conducted by Michael Brandman Associates using the ISC AERMOD View program; ESRI Aerial Imagery 2012.

NORTH

3,800 1,900 0 3,800 Feet

Michael Brandman Associates

Exhibit 21
Project Incremental Cancer Risk Near Project With Mitigation

Health Risk Assessment: Cumulative Emissions

SCAQMD recommends that any given project's potential contribution to cumulative impacts should be assessed using the same significance criteria as for project-specific impacts. Therefore, a project that has the potential to exceed any significance threshold on its own would also result in a cumulatively considerable significant impact. As noted from the results shown in Table 60 and Table 61, since the project on its own exceeds the SCAQMD's cancer risk significance threshold, the project would also result in a cumulatively considerable impact. The cumulative cancer risk noted as With Project Scenario (No Project + Project) is shown in Exhibit 18.

SCAQMD MATES Studies

The SCAQMD conducted detailed toxic air contaminant emission inventory, air sampling, and dispersion modeling studies: Multiple Air Toxics Exposure Study (MATES-II) (South Coast Air Quality Management District 2000) and (MATES-III) (South Coast Air Quality Management District 2008d). The MATES studies provide health risk estimates of various toxic air contaminants as well as their spatial magnitude and distribution across the Basin. The MATES-III program results indicate that the cancer risks in the area where the project site is located are estimated to be approximately 500 in one million of which diesel PM contributes approximately 84 percent of the total cancer risk. The remaining portion of the total cancer risk is comprised mainly of exposures to benzene, formaldehyde, acrolein, and 1,3-butadiene. The MATES-III study found that the population weighted cancer risk in the entire Basin was estimated to be 853 in one million. Exhibit 22 illustrates the cancer risk in the project area as estimated by the SCAQMD MATES-III study. As shown in the figure, the estimated cancer risk on the project site ranges from 497 near the highway to 409 farthest in the southeastern corner of the project site.

Table 63 displays a summary of cancer risk values. The project values represent the maximum cancer risk values from project related diesel emissions. The cumulative values represent the project impact plus the impact of other diesel trucks in the area (the "With Project" impacts). The MATES-III values are estimated by the SCAQMD. If the cancer risk values were compared with the project-specific threshold of 10 cancers per million, the cancer risk values would exceed the threshold. In fact, virtually all areas within the SCAQMD would exceed the 10 in a million significance threshold

The MATES risks are estimated using assumptions that are substantially different that used in the assumptions used in the project's impact assessment. The MATES risks represent a snapshot in time based on the inventory of toxics air emissions from the year 2005, which are assumed to remain constant over the next 70 years. In reality, the toxics emissions in the South Coast Air Basin have changed dramatically since 2005 with reductions noted in virtually all toxic levels including diesel PM emissions. The MATES risks also do not take account of the fact that a number of emission control regulations have been adopted particularly on heavy duty diesel trucks that will substantially reduce their per mile emissions over the next 10 years. In accordance with guidance from the SCAQMD, the diesel PM emissions from the project as well as from the No Project diesel PM emission sources do incorporate the mandated changes in future vehicle emissions. Using

comparable emissions assumptions, the MATES risks would be substantially lower than the levels indicated above in Table 63.

Table 63: Comparison of Cancer Risk Values

Receptor Location	Cancer Risk (risk per million)		
	Project Increment	Cumulative	MATES-III
Maximum impacted receptor located outside of the boundaries of the WLC Specific Plan	45[1]	193[1]	1,029[2]
Maximum impacted sensitive receptor located within of the boundaries of the WLC Specific Plan	76.8	121.1	496
Existing residences located across Redlands Boulevard	20.9	45.9	496

Notes:
[1] The locations of the respective maximum risks are not coincident. The location of the project maximum is near the intersection of Theodore Street and SR-60. The location of the cumulative maximum is near the intersection of I-10 and SR-60 near Beaumont, California. At the location of the cumulative maximum, the project's impact is 6 in one million.
[2] The MATES maximum risk was focused on the area from the SR-91/SR-60 interchange to Beaumont.
Source of project risk: dispersion modeling conducted by Michael Brandman Associates (see tables above).
Source of cumulative risk: dispersion modeling conducted by Michael Brandman Associates (see tables above).
Source of MATES-III risk: South Coast Air Quality Management District.

Objectionable Odors

Impact AIR-5: **The project would not create objectionable odors affecting a substantial number of people.**

Impact Analysis

Background Information

Odors can cause a variety of responses. The impact of an odor results from interacting factors such as frequency (how often), intensity (strength), duration (in time), offensiveness (unpleasantness), location, and sensory perception.

Odor is typically a warning system that prevents animals and humans from consuming spoiled food or toxic materials. Odor-related symptoms reported in a number of studies include nervousness, headache, sleeplessness, fatigue, dizziness, nausea, loss of appetite, stomach ache, sinus congestion, eye irritation, nose irritation, runny nose, sore throat, cough, and asthma exacerbation (South Coast Air Quality Management District 2007a).

The SCAQMD's role is to protect the public's health from air pollution by overseeing and enforcing regulations (South Coast Air Quality Management District 2007a). The SCAQMD's resolution

activity for odor compliance is mandated under California Health & Safety Code Section 41700, and falls under SCAQMD Rule 402. This rule on Public Nuisance Regulation states: "A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property. The provisions of this rule shall not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals."

The SCAQMD indicates that the number of overall complaints has declined over the last five years. Over the last four years, odor complaints make up 50 to 55 percent of the total nuisance complaints. Over the past decade, odors from paint and coating operations have decreased from 27 to 7 percent and odors from refuse collection stations have increased from 9 to 34 percent (South Coast Air Quality Management District 2007a).

Project Analysis

The SCAQMD recommends that odor impacts be addressed in a qualitative manner. Such an analysis shall determine whether the project would result in excessive nuisance odors, as defined under the California Code of Regulations and Section 41700 of the California Health and Safety Code, and thus would constitute a public nuisance related to air quality.

Land uses typically considered associated with odors include wastewater treatment facilities, waste-disposal facilities, or agricultural operations. The project does not contain land uses typically associated with emitting objectionable odors.

Diesel exhaust and VOCs would be emitted during construction of the project, which are objectionable to some; however, emissions would disperse rapidly from the project site and therefore should not reach an objectionable level at the nearest sensitive receptors.

Diesel would also be emitted during operation of the project from the long-haul trucks that would visit the project site. However, the concentrations would not be at a level to result in a negative odor response at nearby sensitive receptors.

Level of Significance Before Mitigation

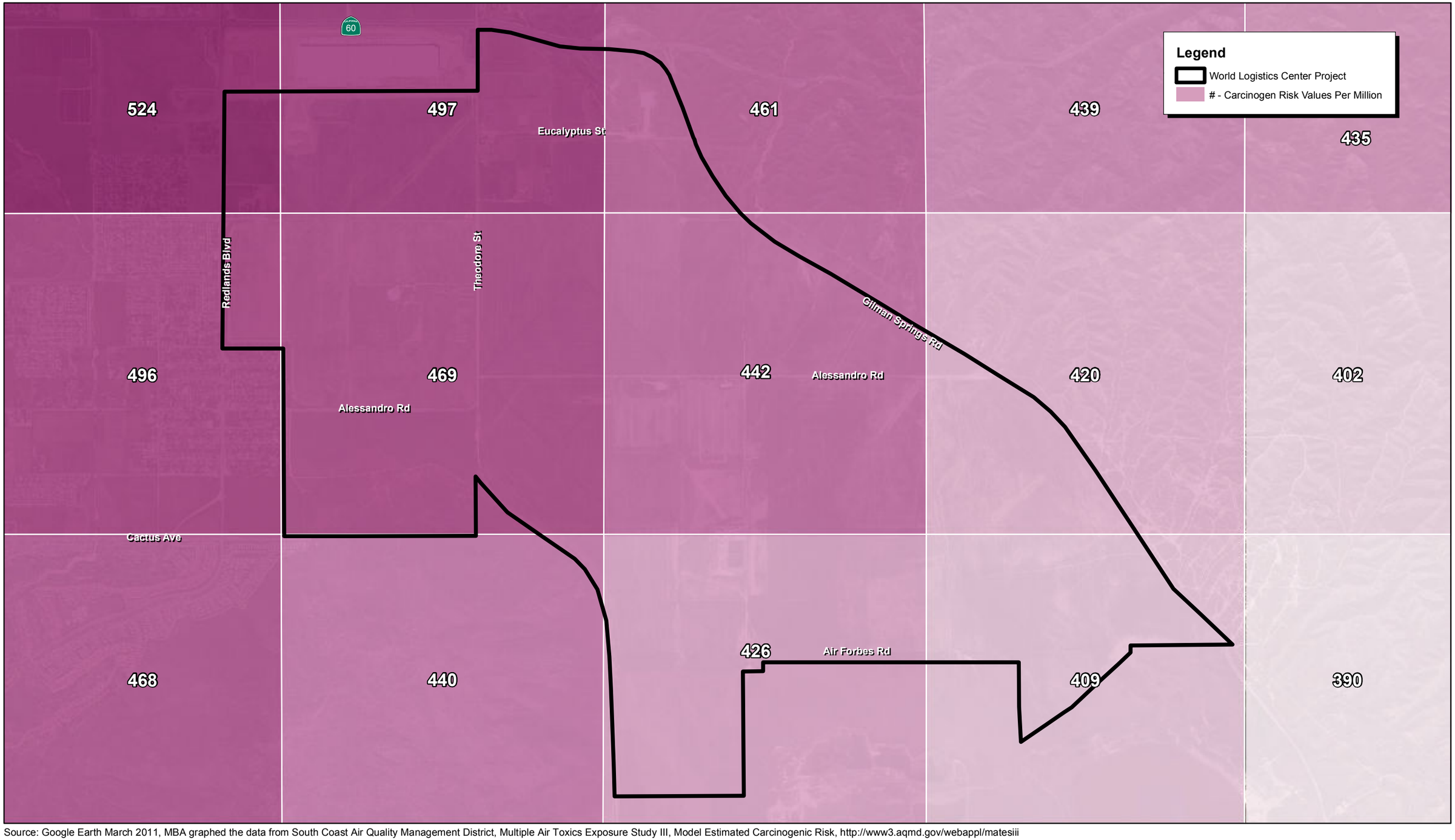
Less than significant.

Mitigation Measures

No mitigation measures are required.

Level of Significance After Mitigation

Less than significant.



Source: Google Earth March 2011, MBA graphed the data from South Coast Air Quality Management District, Multiple Air Toxics Exposure Study III, Model Estimated Carcinogenic Risk, http://www3.aqmd.gov/webappl/matesiii

NORTH

1,900 950 0 1,900 Feet

Michael Brandman Associates

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Exhibit 22

SCAQMD MATES Cancer Risks for Project

HIGHLAND FAIRVIEW OPERATING COMPANY • WORLD LOGISTICS CENTER PROJECT
AIR QUALITY, GREENHOUSE GAS, AND HEALTH RISK ASSESSMENT REPORT

SECTION 6: GREENHOUSE GAS IMPACT ANALYSIS

6.1 - CEQA Guidelines

CEQA Guidelines define a significant effect on the environment as "a substantial, or potentially substantial, adverse change in the environment." To determine if a project would have a significant impact on greenhouse gases, the type, level, and impact of emissions generated by the project must be evaluated.

The following greenhouse gas significance thresholds are contained in Appendix G of the CEQA Guidelines, which were amendments adopted into the Guidelines on March 18, 2010, pursuant to SB 97. A significant impact would occur if the project would:

(a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment; or

(b) Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases.

6.2 - Impact Analysis

Greenhouse Gas Inventory

Impact AIR-6:	**The project would generate greenhouse gas emissions, either directly or indirectly, that would have a significant impact on the environment**

Impact Analysis

Threshold of Significance

On December 5, 2008, the SCAQMD Governing Board adopted an interim greenhouse gas significance threshold for stationary sources, rules, and plans where the SCAQMD is lead agency (SCAQMD permit threshold). Tier 3 of the threshold is recommended by the SCAQMD for industrial projects (South Coast Air Quality Management District 2011a). The threshold consists of five tiers, as follows:

- Tier 1 consists of evaluating whether or not a project qualifies for any applicable exemption under CEQA. The project is not exempt under CEQA; therefore, go to Tier 2.
- Tier 2 consists of determining whether or not the project is consistent with a greenhouse gas reduction plan. If a project is consistent with a qualifying local greenhouse gas reduction plan, it does not have significant greenhouse gas emissions. There is no greenhouse gas reduction plan that could be used for CEQA purposes for this project; go to Tier 3.
- Tier 3 is a screening threshold level to determine significance using a 90 percent emission capture rate approach and is 10,000 $MTCO_2e$ per year (with construction emissions amortized

over 30 years and added to operational emissions). Project greenhouse gas emissions are compared with the threshold: 10,000 $MTCO_2e$ per year (see analysis below).

- Tier 4 was not approved in the interim greenhouse gas threshold.
- Tier 5 would allow the project proponent to purchase offsite mitigation to reduce greenhouse gas emissions to less than the screening level (in Tier 3).

Section 15064.4(b) of the CEQA Guideline amendments for greenhouse gas emissions state that a lead agency may take into account the following three considerations in assessing the significance of impacts from greenhouse gas emissions.

> **Consideration #1**: The extent to which the project may increase or reduce greenhouse gas emissions as compared to the existing environmental setting.
>
> **Consideration #2**: Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
>
> **Consideration #3**: The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of greenhouse gas emissions. Such regulations or requirements must be adopted by the relevant public agency through a public review process and must include specific requirements that reduce or mitigate the project's incremental contribution of greenhouse gas emissions. If there is substantial evidence that the possible effects of a particular project are still cumulatively considerable notwithstanding compliance with the adopted regulations or requirements, an EIR must be prepared for the project.

Greenhouse Gas Inventory

This analysis is restricted to greenhouse gases identified by AB 32, which include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. The project would generate a variety of greenhouse gases during construction and operation, including several defined by AB 32 such as carbon dioxide, methane, and nitrous oxide.

The project may also emit greenhouse gases that are not defined by AB 32. For example, the project may generate aerosols. Aerosols are short-lived particles, as they remain in the atmosphere for about one week. Black carbon is a component of aerosol, which is emitted from diesel fueled construction equipment and diesel vehicles that would access the project site. As discussed in Section 3.2 of this report, studies have indicated that black carbon has a high global warming potential; however, the Intergovernmental Panel on Climate Change states that it has a low level of scientific certainty (Intergovernmental Panel on Climate Change 2007a).

Water vapor could be emitted from evaporated water used for landscaping, but this is not a significant impact because water vapor concentrations in the upper atmosphere are primarily due to climate feedbacks rather than emissions from project-related activities. The project would emit nitrogen oxides and volatile organic compounds, which are ozone precursors. Ozone is a greenhouse gas; however, unlike the other greenhouse gases, ozone in the troposphere is relatively short-lived and can be reduced in the troposphere on a daily basis. Stratospheric ozone can be reduced through reactions with other pollutants.

Certain greenhouse gases defined by AB 32 would not be emitted by the project. Perfluorocarbons and sulfur hexafluoride are typically used in industrial applications, none of which would be used by the project. Therefore, it is not anticipated that the project would emit perfluorocarbons or sulfur hexafluoride.

An upstream emission source (also known as life cycle emissions) refers to emissions that were generated during the manufacture of products to be used for construction of the project. Upstream emission sources for the project include but are not limited emissions from the manufacture of cement, emissions from the manufacture of steel, and/or emissions from the transportation of building materials to the seller. The upstream emissions were not estimated because they are not within the control of the project and to do so would be speculative at this time. Additionally, the California Air Pollution Control Officers Association White Paper on CEQA and Climate Change supports this conclusion by stating, "The full life-cycle of GHG [greenhouse gas] emissions from construction activities is not accounted for . . . and the information needed to characterize [life-cycle emissions] would be speculative at the CEQA analysis level" (California Air Pollution Control Officers Association 2008). Additionally, the Office of Planning and Research removed mention of life cycle costs from Appendix F of the CEQA Guidelines in 2009 (OPR 2009). Therefore, pursuant to CEQA Guidelines Sections 15144 and 15145, upstream /life cycle emissions are speculative and no further discussion is necessary.

The project's operational emissions cannot be directly compared with the citywide community emissions inventory prepared for the City of Moreno Valley (Table 9). This is because the methodology used to estimate the emissions is different. For example, the motor vehicle estimates in the City inventory use the Transportation Analysis and Simulation System (TRANSIMS) model, and includes trips that begin and/or end within the City limits and includes miles from all trips within Moreno Valley and half of the miles from trips that begin or end in Moreno Valley. The electricity used for 2020 in the City inventory was estimated "based on anticipated growth in the residential and commercial/industrial areas." However, there is no discussion in the report regarding what assumptions were used to generate that growth. It is unknown if the inventory includes the project. Therefore, the citywide inventory is not compared with the project emissions.

Construction Emissions

The project would emit greenhouse gases from upstream emission sources and direct sources (combustion of fuels from worker vehicles and construction equipment). For assumptions used in estimating these emissions, please refer to Section 4.2 of this report. Greenhouse gas emissions from project construction equipment and worker vehicles are shown in Table 64. The emissions are from all phases of construction. The land use change is a one-time change in the carbon sequestration capacity of the land.

Table 64: Construction Greenhouse Gas Emissions

Year	Emissions ($MTCO_2e$)
2013	95,692
2014	37,927
2015	31,634
2016	26,947
2017	94,510
2018	41,743
2019	34,665
2020	26,818
2021	26,818
Refrigerant installation	849
Land use change (conversion from crop to urban)	16,523
Total	**434,126**
Averaged over 30 years	**14,471**

Notes:
$MTCO_2e$ = metric tons of carbon dioxide equivalents.
Source of year by year emissions: CalEEMod unmitigated output and summary prepared by Michael Brandman Associates (Appendix A)
Source of refrigerant emissions: refrigerant spreadsheet prepared by Michael Brandman Associates (Appendix A).
Source of land use change: CalEEMod output for area sources.

The project may also generate construction waste, which in turn, could emit greenhouse gases. These emissions are not estimated because it is unknown how much construction waste the project would generate. The California Green Building Standards require that the project divert at least 50 percent of construction waste.

Operational Emissions: Worst-Case 2012 Scenario

Operational or long-term emissions occur over the life of the project. The operational emissions for the project are shown in Table 65. The vehicle emissions in the table represent travel within the South Coast Air Basin; the long-haul trucks travel and average of 50 miles per trip and the local

vehicles travel between 9.6 and 15.4 miles per trip. The emissions do not take into account project design features to reduce emissions, such as the use of model year 2010 and later medium and heavy-heavy duty trucks on the project site. For the assumptions and descriptions for the emission sources, please refer to Section 4.3. As shown in the table, the emissions are over the SCAQMD's significance threshold of 10,000 $MTCO_2e$ per year. Therefore, emissions are potentially significant. The analysis presented in the table below presents a worst-case analysis because the emission factors do not take into account full reductions from regulation or reductions from newer trucks and cars.

Table 65: Project Greenhouse Gases at Buildout (Worst-Case 2012 Analysis)

Source	Unmitigated Greenhouse Gas Emissions (tons/year)				$MTCO_2e$/ year
	Carbon Dioxide	Methane	Nitrous Oxide	Hydrofluoro -carbons	
Local vehicles	85,493	4.74	NA	0.00	85,593
Long-haul trucks	380,229	8.17	NA	0.00	380,401
Electricity	112,185	5.07	1.92	0.00	112,888
Natural gas	1,371	0.03	0.03	0.00	1,379
Water	2,179	4.73	0.15	0.00	2,325
Waste	68,413	4,043.09	0.00	0.00	153,318
Refrigerants	0	0.00	0.00	1.04	1,412
Construction	NA	NA	NA	0.02	14,471
Total	—	—	—	1.06	**751,787**
Significance Threshold					**10,000**
Significant Impact?					**Yes**

Notes:
$MTCO_2e$ = metric tons of carbon dioxide equivalents (greenhouse gas emissions multiplied by their global warming potential and converting to metric tons). NA = not available; the totals for carbon dioxide, methane, and nitrous oxide are not shown because some of the values are not available.
Source of construction emissions: Table 64, averaged over 30 years.
Source of operational emissions: CalEEMod for the year 2012 (Refer Section 4.3 for assumptions); refrigerant emissions are from spreadsheet prepared by Michael Brandman Associates (Appendix A, CalEEMod Output and Regional Emissions Spreadsheets).

Emissions: Year by Year

A summary of project emissions between years 2014 and 2022 are shown in Table 66. For the assumptions and descriptions for the emission sources, please refer to Section 4.3. The emissions do not take into account most of the project design features or mitigation shown in Table 67, with the exception of trucks model year 2010 and later, which are shown in this table. As shown in the table, the emissions are over the SCAQMD's significance threshold of 10,000 $MTCO_2e$ per year. Therefore, emissions are potentially significant in all years.

Table 66: Project Greenhouse Gases (Year by Year)

Source	Emissions ($MTCO_2e$/year)								
	2014	2015	2016	2017	2018	2019	2020	2021	2022
Vehicles	10,967	22,457	29,158	40,858	53,767	59,625	63,122	67,763	68,381
Trucks	51,111	107,099	141,204	199,737	269,134	304,600	328,592	358,109	366,971
Electricity	14,513	30,387	40,428	58,208	79,917	91,993	101,491	110,174	112,888
Natural gas	177	371	494	711	976	1,124	1,240	1,346	1,379
Water	299	626	833	1,199	1,646	1,895	2,090	2,269	2,325
Waste	19,710	41,271	54,907	79,055	108,539	124,939	137,839	149,632	153,318
Refrigerants	182	380	506	728	1,000	1,151	1,269	1,378	1,412
Construction	37,927	31,634	26,947	94,510	41,743	34,665	26,818	26,818	14,471
Sequestration	-14	-30	-40	-57	-79	-90	-100	-108	-111
Total	**134,872**	**234,195**	**294,437**	**474,949**	**556,643**	**619,902**	**662,361**	**717,381**	**721,034**
Threshold	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Significant impact?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Notes: $MTCO_2e$ = metric tons of carbon dioxide equivalents; construction for 2014-2021 is from Table 64; construction for year 2022 is the average over 30 years from Table 64.
This table displays the main sources of emissions; emissions from landscaping, emergency generator maintenance/testing, and other potentially minor sources are omitted.
Source: Michael Brandman Associates, 2013.

Reductions

Several different sources were explored for feasible mitigation measures that may apply to the project, including the following:

- Office of the California Attorney General (Attorney General 2010).
- California Air Pollution Control Officers Association, CEQA & Climate Change, Evaluating and Addressing Greenhouse Gas Emissions from Projects Subject to the California Environmental Quality Act (California Air Pollution Control Officers Association 2008).
- The Governor's Office of Planning and Research Technical Advisory (Governor's Office of Planning and Research 2008).
- California Air Pollution Control Officers Association (2010), Quantifying Greenhouse Gas Measures.
- Notice of Preparation comment letter for the project from the Sierra Club, March 26, 2012.

There are a variety of mitigation measures and project design features that would reduce greenhouse gas emissions, as summarized in Table 67.

Table 67: Operational Greenhouse Gas Emissions Reduction Analysis

Category	Mitigation Measure or Project Design Feature[1]	Calculation Method and Reductions
Vehicles: Local	Project design feature: Local bus service to the area is provided by the Riverside Transit Agency. Local bus routes would typically be extended into the project area when adequate demand is generated from this employment center. Future bus routes could circulate on available looped routes with adequate right-of-way along the major arterial roadways of Redlands Boulevard, Theodore Street, and Alessandro Boulevard. Likewise, the industrial collector roadways provide access to locations nearest building front entries. Due to building scale, bus stops may be spread out by grouped entries or centralized gateway drive areas as compared to individual business entries.	The CAPCOA report's reduction measure TRT-1 indicates a 5.2 percent reduction in commute vehicle miles traveled for low-density suburbs for inclusion of a commute trip reduction program. The trip generation rates for which the unmitigated emissions were based are not necessarily based on development with pedestrian connections. Therefore, CalEEMod includes pedestrian connections as part of its mitigation module. The following CalEEMod mitigation was estimated for the year 2022: • "Implement Trip Reduction Program, 100 percent employees eligible, voluntary" • "Improve Pedestrian Network, Project Site and Connecting Off-Site" for a Suburban Center For the year 2022, the percent reduction between the unmitigated and mitigated emissions estimates for local vehicles is 3.5 to 5.5 percent as estimated by CalEEMod, depending on the pollutant assessed. Therefore, for worst-case purposes, a **3 percent** reduction is taken for the project design features and mitigation from local vehicles.
	Mitigation Measure AQ-7: Class II bike lanes	
	Mitigation Measure AQ-7: commute trip reduction program	
	Mitigation Measure AQ-7: Lockers for employees	
	Mitigation Measure AQ-7: bicycle storage and changing rooms	
	Project design features: The project would have pedestrian circulation (Specific Plan guideline 4.15), sidewalks, a multi-use trail (Specific Plan guideline 3.3.1).	
	Mitigation Measure AQ-7: Safe pedestrian connections	
	Mitigation Measure AQ-7: parking for fuel efficient vehicles	
Long haul trucks	Project design feature: require model year 2010 medium-heavy duty and heavy-heavy duty trucks or later.	This feature was implemented by changing the emission factors for medium-heavy duty and heavy-heavy duty trucks from the CalEEMod default to the EMFAC2011 for year 2010 and after. **Note**: This reduction was also applied to the emissions in Table 66**.**

Table 67 (cont.): Operational Greenhouse Gas Emissions Reduction Analysis

Category	Mitigation Measure or Project Design Feature[1]	Calculation Method and Reductions
Waste	Mitigation Measure AQ-8: recycling and composting availability Project design feature: Specific Plan guideline 4.7 requires that all development within the project provide enclosures or compactors for trash and recyclable materials.	According to a study (CalRecycle 2006) that assessed waste diversion for non-durable wholesale distributors, of the diverted waste, 35.1 percent of paper and plastic was diverted from the waste stream. Those that recycle participated in a recycling/diversion program because they thought it was a good thing to do. The reasons for not participating in a diversion program were: no city sponsored program, recycling too expensive, the property management handles recycling and does not have a program, and the majority of waste was plastic packaging/film, for which there is no convenient program to recycle. A 35 percent reduction is taken for project design features and this mitigation measure and is estimated in CalEEMod.

Notes:
[1] Project design features are from the Project Description in Section 1; mitigation measures are shown in Section 1.
[2] CAPCOA refers to the report, California Air Pollution Control Officers Association 2010
Source: Michael Brandman Associates.

Level of Significance Before Mitigation

Potentially significant.

Mitigation Measures

Mitigation Measures AQ-7 and AQ-8 are required.

Level of Significance After Mitigation

Significant and unavoidable impact.

As shown in Table 68, the project's greenhouse gas emissions still exceed the significance threshold after mitigation and therefore would result in a significant and unavoidable impact. The project would generate greenhouse gas emissions, directly and indirectly, that may have a significant impact on the environment.

Similar to the discussion of cumulative air quality impacts, the project may employ workers locally from the City. This has the benefit of improving the local jobs/housing balance leading to air quality benefits in terms of shorter trip lengths, which lead to lower emissions than if the workforce was derived from distant locations.

This analysis has concluded that the project's contributions to climate change are significant and unavoidable. Given (i) the global nature of climate change; (ii) uncertainty still remains regarding the

extent to which anthropogenic sources are the true causes of any increase in the earth's temperatures; and (iii) the lack of emissions controls being imposed by the world's most rapidly developing nations, even if there is a causal relationship between anthropogenic emissions and an increase in the world's temperature, it is possible to argue that an individual project's cumulative contribution to climate change is not foreseeable and is not cumulatively considerable.

For example, according to a forecast by the California Air Resources Board, if no actions are taken to reduce greenhouse gas emissions, California emissions would be approximately 506 $MMTCO_2e$ by the year 2020, up from approximately 427 $MMTCO_2e$ in 1990. Consequently, if the state is successful in reducing emissions to 1990 level by 2020 (as required by AB 32), emissions will be reduced by approximately 79 $MMTCO_2e$, compared to what they would be under a "business as usual" scenario.

Unfortunately, these savings are not nearly enough to compensate for the expected increase in emissions in developing countries during the same period. For example, according to projections from the Energy Information Administration[11], emissions from Brazil are expected to increase from 235 MMT in 1990 to 534 MMT in 2020, i.e. they will have increased by 299 MMT between 1990 and 2020, more than three times the amount of emissions which will be saved by the implementation of AB 32. Even that increase, however, is insignificant compared to the 6764 MMT projected increase in China's 2020 carbon emissions during the same period of time (2293 MMT in 1990 versus 9057 in 2020) or even the 1178 MMT projected increase in India's carbon emissions (573 MMT in 1990 versus 1751 MMT in 2020). Consequently, steps taken to reduce greenhouse gas emissions in California will be ineffective with respect to global emissions, unless similar steps to reduce emissions are taken in developing countries.

In addition, a portion of the project would be bringing cargo containers from the Port of Los Angeles or the Port of Long Beach. The cargo containers likely originate in another country. The transportation of those goods from another country (such as China) to the ports is not included in this analysis because the emissions are speculative at this time. The emissions that occur in other countries and in international waters are not under the jurisdiction of this project or the United States. It is speculative to determine if the project has any influence over the quantity of cargo containers brought to the United States; that is more likely a result of consumer choice or other factor.

[11] United States Energy Information Administration. 2011. Emissions of Greenhouse Gases in the United States, 2009. Website: ftp://ftp.eia.doe.gov/environment/057309.pdf. Accessed January 8, 2013.

Table 68: Project Operational Greenhouse Gases (with Reductions)

Source	Emissions with Mitigation and Project Design Features ($MTCO_2e$/year)								
	2014	2015	2016	2017	2018	2019	2020	2021	2022
Vehicles	10,638	21,784	28,283	39,632	52,154	57,836	61,228	65,730	66,329
Trucks	51,111	107,099	141,204	199,737	269,134	304,600	328,592	358,109	366,971
Electricity	14,513	30,387	40,428	58,208	79,917	91,993	101,491	110,174	112,888
Natural gas	177	371	494	711	976	1,124	1,240	1,346	1,379
Water	299	626	833	1,199	1,646	1,895	2,090	2,269	2,325
Waste	12,812	26,826	35,690	51,385	70,550	81,211	89,595	97,261	99,657
Refrigerants	182	380	506	728	1,000	1,151	1,269	1,378	1,412
Construction	37,927	31,634	26,947	94,510	41,743	34,665	26,818	26,818	14,471
Sequestration	-14	-30	-40	-57	-79	-90	-100	-108	-111
Total	**127,645**	**219,077**	**274,345**	**446,053**	**517,041**	**574,385**	**612,223**	**662,977**	**665,321**
Threshold	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Significant?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Notes:
$MTCO_2e$ = metric tons of carbon dioxide equivalents; construction for 2014-2021 is from Table 64; construction for year 2022 is the average over 30 years from Table 64.
Reduction summary: local vehicles = 3 percent; waste = 35 percent
Source: Michael Brandman Associates 2013.

Greenhouse Gas Reduction Plans

Impact AIR-7	The project would not conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases.

Impact Analysis

This impact assesses whether the project would conflict with a variety of plans, policies, or regulations, as discussed below.

Federal and State Reduction Strategies

Table 69 evaluates the consistency of the proposed project with the various federal and state energy conservation and other regulations related to greenhouse gas emissions.

Table 69: Project Compliance with Federal/State Greenhouse Gas Reduction Strategies

Strategy	Project Compliance
Mandatory Codes	
California Green Building Code. The Cal Green Code prescribes a wide array of measures that would directly and indirectly result in reduction of GHG emissions from the Business as Usual Scenario (California Building Code). The mandatory measures that are applicable to nonresidential projects include site selection, energy efficiency, water efficiency, materials conservation and resource efficiency, and environmental quality measures.	**Compliant.** The project will be required to adhere to the non-residential mandatory measures as required by the Cal Green Code.
Energy Efficiency Measures	
Energy Efficiency. Maximize energy efficiency building and appliance standards, and pursue additional efficiency efforts including new technologies, and new policy and implementation mechanisms. Pursue comparable investment in energy efficiency from all retail providers of electricity in California (including both investor-owned and publicly owned utilities).	**Compliant with Mitigation Incorporated.** The proposed project will comply with current California Building Code requirements for building construction, which will help reduce greenhouse gas emissions. In addition, the project will include various energy efficient building design features to help further reduce greenhouse gas emissions.
Renewables Portfolio Standard. Achieve a 33 percent renewable energy mix statewide.	**Not applicable.** The project is not part of the State's power generation grid, but would encourage installation of solar photovoltaic panels on project roofs.
Green Building Strategy. Expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings.	**Compliant.** The proposed project will comply with current California Building Code requirements for building construction.

Table 69 (cont.): Project Compliance with Federal/State Greenhouse Gas Reduction Strategies

Strategy	Project Compliance
Water Conservation and Efficiency Measures	
Water Use Efficiency. Continue efficiency programs and use cleaner energy sources to move and treat water. Approximately 19 percent of all electricity, 30 percent of all natural gas, and 88 million gallons of diesel are used to convey, treat, distribute and use water and wastewater. Increasing the efficiency of water transport and reducing water use would reduce greenhouse gas emissions.	**Compliant with Mitigation Incorporated.** The Specific Plan outlines a number of water conservation measures, and mitigation measures will help reduce potential water use even further.
Solid Waste Reduction Measures	
Increase Waste Diversion, Composting, and Commercial Recycling, and Move Toward Zero-Waste. Increase waste diversion from landfills beyond the 50 percent mandate to provide for additional recovery of recyclable materials. Composting and commercial recycling could have substantial greenhouse gas reduction benefits. In the long term, zero-waste policies that would require manufacturers to design products to be fully recyclable may be necessary.	**Compliant with Mitigation Incorporated.** Data available from the California Integrated Waste Management Board indicates that the City of Moreno Valley has not achieved the 50 percent diversion rate. The project will comply with Mitigation Measures AQ-8 to help increase solid waste diversion, composting, and recycling.
Transportation and Motor Vehicle Measures	
Vehicle Climate Change Standards. AB 1493 (Pavley) required the State to develop and adopt regulations that achieve the maximum feasible and cost-effective reduction of GHG emissions from passenger vehicles and light-duty trucks. Regulations were adopted by the ARB in September 2004. **Light-Duty Vehicle Efficiency Measures.** Implement additional measures that could reduce light-duty greenhouse gas emissions. For example, measures to ensure that tires are properly inflated can both reduce greenhouse gas emissions and improve fuel efficiency. **Adopt Heavy- and Medium-Duty Fuel and Engine Efficiency Measures.** Regulations to require retrofits to improve the fuel efficiency of heavy-duty trucks that could include devices that reduce aerodynamic drag and rolling resistance. This measure could also include hybridization of and increased engine efficiency of vehicles.	**Compliant.** The project does not involve the manufacture of vehicles. However, vehicles that are purchased and used within the project site would comply with any vehicle and fuel standards that the ARB adopts.

Table 69 (cont.): Project Compliance with Federal/State Greenhouse Gas Reduction Strategies

Strategy	Project Compliance
Low Carbon Fuel Standard. ARB identified this measure as a Discrete Early Action Measure. This measure would reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020.	
Regional Transportation-Related Greenhouse Gas Targets. Develop regional greenhouse gas emissions reduction targets for passenger vehicles. Local governments will play a significant role in the regional planning process to reach passenger vehicle greenhouse gas emissions reduction targets. Local governments have the ability to directly influence both the siting and design of new residential and commercial developments in a way that reduces GHGs associated with vehicle travel.	**Compliant.** Specific regional emission targets for transportation emissions do not directly apply to this project; regional greenhouse gas reduction target development is outside the scope of this project. The project will comply with any plans developed by the City.
Measures to Reduce High Global Warming Potential Gases. ARB has identified Discrete Early Action measures to reduce greenhouse gas emissions from the refrigerants used in car air conditioners, semiconductor manufacturing, and consumer products. ARB has also identified potential reduction opportunities for future commercial and industrial refrigeration, changing the refrigerants used in auto air conditioning systems, and ensuring that existing car air conditioning systems do not leak.	**Compliant.** New products used or serviced on the project site (after implementation of the reduction of greenhouse gases) would comply with future ARB rules and regulations.
Notes: AB = Assembly Bill ARB = California Air Resources Board Source: based on analysis in Michael Brandman Associates 2013. Source of project compliance: based on project information and the analysis contained in this report.	

City of Moreno Valley Climate Action Strategy

The City of Moreno Valley Energy Efficiency and Climate Action Strategy (Strategy) was approved in October 2012. The Strategy identifies ways that the City can reduce energy and water consumption and greenhouse gas emissions as an organization (its employees and the operation of its facilities) and outlines the actions that the City can encourage and community members can employ to reduce their own energy and water consumption and greenhouse gas emissions. The policies in the document are to reduce greenhouse gas emissions in 2010 by 15 percent by 2020. The following consists of an analysis of project consistency with the policies in the Strategy.

- R2-T1: Land Use Based Trips and VMT Reduction Policies. Encourage the development of Transit Priority Projects along High Quality Transit Corridors identified in the SCAG Sustainable Communities Plan, to allow a reduction in vehicle miles traveled.
  Project consistency: Not applicable.

- R2-T3: Employment-Based Trip Reductions. Require a Transportation Demand Management (TDM) program for new development to reduce automobile travel by encouraging ride-sharing, carpooling, and alternative modes of transportation.
  Project consistency: Consistent with implementation of Mitigation Measure AQ-7.

- R2-E1: New Construction Residential Energy Efficiency Requirements. Require energy efficient design for all new residential buildings to be 10 percent beyond the current Title 24 standards. (Reach Code)
  Project consistency: Not applicable; this measure applies to residential projects.

- R2-E2: New Construction Residential Renewable Energy. Facilitate the use of renewable energy (such as solar (photovoltaic) panels or small wind turbines) for new residential developments. Alternative approach would be the purchase of renewable energy resources offsite.
  Project consistency: Not applicable; this measure applies to residential projects.

- R2-E5: New Construction Commercial Energy Efficiency Requirements. Require energy efficient design for all new commercial buildings to be 10% beyond the current Title 24 standards. (Reach Code)
  Project consistency: Not consistent; the buildings constructed in the project may not exceed Title 24 standards by 10 percent; however, the Specific Plan encourages energy efficient design.

- R3-E1: Energy Efficient Development, and Renewable Energy Deployment Facilitation and Streamlining. Updating of codes and zoning requirements and guidelines to further implement green building practices. This could include incentives for energy efficient projects.
  Project consistency: Not applicable.

- R3-L2: Heat Island Plan. Develop measures that address "heat islands." Potential measures include using strategically placed shade trees, using paving materials with a Solar Reflective Index of at least 29, an open grid pavement system, or covered parking.
  Project consistency: Consistent; the Specific Plan indicates that vehicle parking areas are to be landscaped to provide a shade canopy (50 percent coverage at maturity).

- R2-W1: Water Use Reduction Initiative. Consider adopting a per capita water use reduction goal, which mandates the reduction of water use of 20 percent per capita with requirements applicable to new development and with cooperative support of the water agencies.
  Project consistency: Consistent. California Green Building Standards Code, Chapter 5, Division 5.3, Section 5.303.2 requires that indoor water use be reduced by 20 percent. Section 5.304.3 requires irrigation controllers and sensors. The Specific Plan also contains a variety of water conservation features.

- R3-W1: Water Efficiency Training and Education. Work with EMWD and local water companies to implement a public information and education program that promotes water conservation.
  Project consistency: Not applicable.
- R2-S1: City Diversion Program. For Solid Waste, consider a target of increasing the waste diverted from the landfill to a total of 75 percent by 2020.
  Project consistency: Not applicable. However, the project would incorporate waste reduction features and Mitigation Measure AQ-8.

As shown above and in Appendix D, Project Consistency with Moreno Valley Energy Efficiency and Climate Action Strategy, of this report, many of the measures are not applicable to the project. The project is consistent with the applicable measures in the Strategy, with the exception of R2-E5, New Construction Commercial Energy Efficiency Requirements. Therefore, the project is partially consistent with the Strategy.

City of Moreno Valley General Plan

The City adopted its General Plan in 2006. The General Plan does not contain policies directly related to greenhouse gases; however, it does have some air quality policies that are related to a greenhouse gas reduction, which are explored in Table 70 below. As shown in the table, the project is consistent with the applicable policies.

Table 70: City of Moreno Valley General Plan Air Quality Policies

Objective or Policy	Project Consistency
Objective 6.6 Promote land use patterns that reduce daily automotive trips and reduce trip distance for work, shopping, school, and recreation.	**Consistent.** The project is providing employment opportunities to Moreno Valley and the surrounding area.
6.6.1 Provide sites for new neighborhood commercial facilities within close proximity to the residential areas they serve.	**Not applicable.** The project does not propose the development of neighborhood commercial facilities or residential dwellings.
6.6.2 Provide multi-family residential development sites in close proximity to neighborhood commercial centers in order to encourage pedestrian instead of vehicular travel.	**Not applicable.** The project is industrial and does not propose the development of residential uses.
6.6.3 Locate neighborhood parks in close proximity to the appropriate concentration of residents in order to encourage pedestrian and bicycle travel to local recreation areas.	**Not applicable.** The project is industrial and does not propose the development of residential uses.
Objective 6.7 Reduce mobile and stationary source air pollutant emissions.	**Not consistent.** As shown in the air quality and greenhouse gas analyses, the project would result in significant air pollutant and greenhouse gas emissions.

Table 70 (cont.): City of Moreno Valley General Plan Air Quality Policies

Objective or Policy	Project Consistency
6.7.1 Cooperate with regional efforts to establish and implement regional air quality strategies and tactics.	**Not applicable.** This measure is beyond the scope of the project; the City will continue to work with the SCAQMD in regional planning efforts.
6.7.2 Encourage the financing and construction of park-and-ride facilities.	**Not applicable.** The project consists of industrial uses; a park and ride on the project would not be feasible.
6.7.3 Encourage express transit service from Moreno Valley to the greater metropolitan areas of Riverside, San Bernardino, Orange and Los Angeles Counties.	**Not applicable.** No express mass transit facilities are designated on the project site or planned on the project site; therefore, this measure is beyond the scope of the project.
6.7.6 Require building construction to comply with the energy conservation requirements of Title 24 of the California Administrative Code.	**Consistent.** The project is required to comply with Title 24 requirements.
Notes: Policies 6.7.4 and 6.7.5 are discussed in Section 5, Air Quality Impact Analysis, Sensitive Receptors (Impact AIR-4). Source of objective and policy: Moreno Valley General Plan (2006). Source of project consistency: Michael Brandman Associates 2013.	

Southern California Association of Governments, Regional Transportation Plan, Sustainable Communities Strategy 2012- 2035

The Sustainable Communities Strategy (SCS) within the Regional Transportation Plan demonstrates the region's ability to attain and exceed the greenhouse gas emission reduction targets set by the ARB. The SCS outlines the plan for integrating the transportation network and related strategies with an overall land use pattern that responds to projected growth, housing needs, changing demographics, and transportation demands. The regional vision of the SCS maximizes current voluntary local efforts that support the goals of SB 375, as evidenced by several Compass Blueprint Demonstration Projects and various county transportation improvements. The SCS focuses the majority of new housing and job growth in high-quality transit areas and other opportunity areas in existing main streets, downtowns, and commercial corridors, resulting in an improved jobs-housing balance and more opportunity for transit-oriented development. This overall land use development pattern supports and complements the proposed transportation network that emphasizes system preservation, active transportation, and transportation demand management measures.

The RTP/SCS exceeds its greenhouse gas emission-reduction targets set by ARB by achieving a 9 percent reduction by 2020 and 16 percent reduction by 2035 compared to the 2005 level on a per capita basis.

The assumptions regarding Moreno Valley that SCAG used in its analysis are shown in Table 71.

Table 71: Southern California Association of Governments Assumptions for Moreno Valley

Year	Population	Households	Employment
2008	187,400	51,100	32,300
2020	213,700	60,000	48,000
2035	255,200	72,800	64,400
Source: Southern California Association of Governments 2012.			

The RTP also includes an appendix on the Goods Movement, which provides an overview of the regional goods movement and initiatives to facilitate it.

Strategies in the RTP that include the Local Jurisdiction as a responsible party, that could be applicable to the project, and that pertain to air quality or greenhouse gases are shown in Table 72. Many of the strategies are similar to the project's mitigation measures and project design features.

Table 72: Select Regional Transportation Plan Strategies

Strategy	Responsible Party
Encourage the use of range-limited battery electric and other alternative fueled vehicles through policies and programs, such as, but not limited to, neighborhood oriented development, complete streets, and Electric (and other alternative fuel) Vehicle Supply Equipment in public parking lots.	Local Jurisdictions, COGs, SCAG, CTCs
Support projects, programs, and policies that support active and healthy community environments that encourage safe walking, bicycling, and physical activity by children, including, but not limited to development of complete streets, school siting policies, joint use agreements, and bicycle and pedestrian safety education.	Local Jurisdictions, SCAG
Engage in a strategic planning process to determine the critical components and implementation steps for identifying and addressing open space resources, including increasing and preserving park space, specifically in park-poor communities.	Local Jurisdictions, SCAG
Develop first-mile/last-mile strategies on a local level to provide an incentive for making trips by transit, bicycling, walking, or neighborhood electric vehicle or other zero emission vehicle options.	CTCs, Local Jurisdictions
Encourage transit fare discounts and local vendor product and service discounts for residents and employees of transit oriented development / high quality transit areas or for a jurisdiction's local residents in general who have fare media	Local Jurisdictions
Encourage the implementation of a Complete Streets policy that meets the needs of all users of the streets, roads and highways - including bicyclists, children, persons with disabilities, motorists, neighborhood electric vehicle (NEVs) users, movers of commercial goods, pedestrians, users of public transportation and seniors - for safe and convenient travel in a manner that is suitable to the suburban and urban contexts within the region.	Local Jurisdictions, COGs, SCAG, CTCs
Support work-based programs that encourage emission reduction strategies and incentivize active transportation commuting or ride-share modes.	SCAG, Local Jurisdictions

Table 72 (cont.): Select Regional Transportation Plan Strategies

Strategy	Responsible Party
Develop infrastructure plans and educational programs to promote active transportation options and other alternative fueled vehicles, such as neighborhood electric vehicles, and consider collaboration with local public health departments, walking/biking coalitions, and/or Safe Routes to School initiatives, which may already have components of such educational programs in place.	Local Jurisdictions
Encourage the development of telecommuting programs by employers through review and revision of policies that may discourage alternative work options.	Local Jurisdictions, CTCs
Emphasize active transportation and alternative fueled vehicle projects as part of complying with the Complete Streets Act (AB 1358).	State, SCAG, Local Jurisdictions
Notes: SCAG = Southern California Association of Governments CTCs = county transportation commissions COGs = subregional councils of governments Source: Southern California Association of Governments 2012.	

Scoping Plan

The California State Legislature adopted AB 32 in 2006. AB 32 focuses on reducing greenhouse gases (carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride) to 1990 levels by the year 2020. Pursuant to the requirements in AB 32, the ARB adopted the Climate Change Scoping Plan (Scoping Plan) in 2008, which outlines actions recommended to obtain that goal. The Scoping Plan calls for an "ambitious but achievable" reduction in California's greenhouse gas emissions, cutting approximately 30 percent from business-as-usual emission levels projected for 2020, or about 10 percent from today's levels. On a per-capita basis, that means reducing annual emissions of 14 tons of carbon dioxide for every man, woman and child in California down to about 10 tons per person by 2020.

The Scoping Plan contains a variety of strategies to reduce the State's emissions. As shown in Table 73, the strategies are not applicable to the project. Therefore, the project does not conflict with the Scoping Plan.

Table 73: Analysis of Scoping Plan Reduction Measures

Scoping Plan Reduction Measure	Consistency Analysis
1. California Cap-and-Trade Program Linked to Western Climate Initiative. Implement a broad-based California Cap-and-Trade program to provide a firm limit on emissions. Link the California cap-and-trade program with other Western Climate Initiative Partner programs to create a regional market system to achieve greater environmental and economic benefits for California. Ensure California's program meets all applicable AB 32 requirements for market-based mechanisms.	**Not Applicable.** This cap-and-trade system covers products or services (such as electricity) and the cost of the cap-and-trade system would be transferred to the consumers. Large industrial uses are the most likely source of participants for this program, and it is not likely individual logistics warehousing will be an active participant in this program.
2. California Light-Duty Vehicle Greenhouse Gas Standards. Implement adopted standards and planned second phase of the program. Align zero-emission vehicle, alternative and renewable fuel and vehicle technology programs with long-term climate change goals.	**Not applicable.** This is a statewide measure that cannot be implemented by an individual project applicant or lead agency. When this measure is initiated, the standards would be applicable to the light-duty vehicles that would access the project site.
3. Energy Efficiency. Maximize energy efficiency building and appliance standards; pursue additional efficiency including new technologies, policy, and implementation mechanisms. Pursue comparable investment in energy efficiency from all retail providers of electricity in California.	**Applicable.** This is a measure for the state to increase its energy efficiency standards. However, the project will increase its energy efficiency through existing regulation and project design by implementing current Title 24 energy standards and green building characteristics.
4. Renewable Portfolio Standard. Achieve 33 percent renewable energy mix statewide. Renewable energy sources include (but are not limited to) wind, solar, geothermal, small hydroelectric, biomass, anaerobic digestion, and landfill gas.	**Partially applicable.** This is a measure applicable to the utility provider for the project. However, the project would design buildings to be solar ready.
5. Low Carbon Fuel Standard. Develop and adopt the Low Carbon Fuel Standard.	**Applicable.** This is a statewide measure that cannot be implemented by an individual project applicant or lead agency. However, when this measure is initiated, the standard would be applicable to the fuel used by vehicles that would access the project site.
6. Regional Transportation-Related Greenhouse Gas Targets. Develop regional greenhouse gas emissions reduction targets for passenger vehicles. This measure refers to SB 375.	**Applicable.** The project is not directly related to developing greenhouse gas emission reduction targets. However, this project will improve the jobs/housing ratio for the City and thereby help reduce commuter-related emissions. For a discussion of the Regional Transportation Plan and the Sustainable Communities Strategy, refer to the discussion above.
7. Vehicle Efficiency Measures. Implement light-duty vehicle efficiency measures.	**Applicable.** When this measure is initiated, the standards would be applicable to the light-duty vehicles that would access the project site.

Table 73 (cont.): Analysis of Scoping Plan Reduction Measures

Scoping Plan Reduction Measure	Consistency Analysis
8. Goods Movement. Implement adopted regulations for the use of shore power for ships at berth. Improve efficiency in goods movement activities.	**Not Applicable.** The project does not propose any changes to maritime, rail, or intermodal facilities or forms of transportation. However, the project is related to goods movement and provides logistics warehousing away from port areas.
9. Million Solar Roofs Program. Install 3,000 MW of solar-electric capacity under California's existing solar programs.	**Partially Applicable.** This measure is to increase solar throughout California, which is being done by various electricity providers and existing solar programs. The buildings in the development will be constructed to be solar ready. Therefore, solar can be installed at a later date if found to be feasible at that time.
10. Medium/Heavy-Duty Vehicles. Adopt medium and heavy-duty vehicle efficiency measures.	**Applicable.** This is a statewide measure that cannot be implemented by an individual project applicant or lead agency. However, when this measure is initiated, the standards would be applicable to the vehicles that access the project site.
11. Industrial Emissions. Require assessment of large industrial sources to determine whether individual sources within a facility can cost-effectively reduce greenhouse gas emissions and provide other pollution reduction co-benefits. Reduce greenhouse gas emissions from fugitive emissions from oil and gas extraction and gas transmission. Adopt and implement regulations to control fugitive methane emissions and reduce flaring at refineries.	**Not Applicable.** This measure would apply to the direct greenhouse gas emissions at major industrial facilities emitting more than 0.5 $MMTCO_2e$ (500,000 $MTCO_2e$) per year. Although the project could emit more than 500,000 $MTCO_2e$ per year, the project is not considered a single facility but would consist of multiple warehouse buildings. The project is a "project" under CEQA but not one facility, which is why a programmatic EIR is being prepared. This measure would be applicable to power plants, refineries, cement plants, and other related sources. In addition, the majority of emissions from the project are indirect, and not direct, since the majority of the emissions are from trucks and motor vehicles.
12. High Speed Rail. Support implementation of a high-speed rail system.	**Not applicable.** This is a statewide measure that cannot be implemented by a project applicant or lead agency.
13. Green Building Strategy. Expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings.	**Applicable.** The state now requires development to use various green building practices. The project will implement green building strategies through existing regulation and mitigation measures.
14. High Global Warming Potential Gases. Adopt measures to reduce high global warming potential gases.	**Applicable.** When this measure is initiated, it would be applicable to the high global warming potential gases that would be used by the project (such as in air conditioning).
15. Recycling and Waste. Reduce methane emissions at landfills. Increase waste diversion, composting, and commercial recycling. Move toward zero-waste.	**Not Applicable.** The project would not contain a landfill. The State wishes to help increase waste diversion. The project would reduce waste with implementation of mitigation.

Table 73 (cont.): Analysis of Scoping Plan Reduction Measures

Scoping Plan Reduction Measure	Consistency Analysis
16. Sustainable Forests. Preserve forest sequestration and encourage the use of forest biomass for sustainable energy generation.	**Not Applicable.** No forested lands exist onsite.
17. Water. Continue efficiency programs and use cleaner energy sources to move and treat water.	**Not Applicable.** This is a measure for state and local agencies. However, the project would reduce water through project design (i.e., implementation of the Specific Plan) and Mitigation Measures 4.16.6.1A through 4.16.6.1C in the EIR.
18. Agriculture. In the near-term, encourage investment in manure digesters and at the five-year Scoping Plan update determine if the program should be made mandatory by 2020.	**Not Applicable.** No grazing, feedlot, or other agricultural activities that generate manure occur onsite or are proposed to be implemented by the project.
Source of ARB Scoping Plan Reduction Measure: California Air Resources Board 2008. Source of Project Consistency or Applicability: Michael Brandman Associates.	

Executive Order S-3-05

As discussed in Impact AIR-6, the SCAQMD developed its thresholds based on consistency with California Executive Order S-3-05. As shown in Impact AIR-6, the project's greenhouse gas emissions exceed the SCAQMD's industrial threshold. Therefore, the project could conflict with Executive Order S-3-05. This impact is potentially significant.

Level of Significance Before Mitigation

Potentially significant.

Mitigation Measures

Mitigation Measure AQ-7 and AQ-8 are required.

Level of Significance After Mitigation

Significant and unavoidable.

SECTION 7: ALTERNATIVES ANALYSIS

7.1 - Alternative Summary

Operational air pollutant and greenhouse gas emissions are estimated for the project alternatives shown in Table 74.

Table 74: Alternatives

Alternative	Logistics Warehousing	Light Industrial	Retail Comm.	Prof./Med Office	Other
Proposed Project	2,635 acres 41.6 MSF (100%)	0 acres 0 SF	0 acres 0 SF	0 acres 0 SF	75 acres Open Space
No Project - No Build (baseline)	0 acres 0 SF (0%)	0 acres 0 SF	0 acres 0 SF	0 acres 0 SF	2,710 acres Agriculture
No Project - General Plan Moreno Highlands Specific Plan	0 acres 0 SF (0%)	361 acres (BP)	106.5 acres 1.1 MSF (various)	0 acres 0 SF	1,359 acres Residential 7,283 units 1,212 acres Open Space and Public Facilities
Alternative 1 Reduced Density	2,635 acres 29 MSF (70%)	0 acres 0 SF	0 acres 0 SF	0 acres 0 SF	75 acres Open Space
Alternative 2 Mixed Use A*	1,410 acres 22 MSF (53%)	1,000 acres 20 MSF	50 acres 0.5 MSF	100 acres 1.0 MSF	150 acres Open Space
Alternative 3 Mixed Use B**	603 acres 10 MSF (24%)	0 acres 0 SF	0 acres 0 SF	0 acres 0 SF	1,359 acres Residential 7,283 units 1,376 acres Open Space and Public Facilities
Alternative Sites	2,635 acres 41.6 MSF (100%)	0 acres 0 SF	0 acres 0 SF	0 acres 0 SF	0 acres 0 SF

M = million SF = square feet MHSP = Moreno Highlands Specific Plan BP = business park
* assumes 0.50 FAR for Light Industrial, 0.25 FAR for other uses.
** assumes residential land uses similar to Moreno Highlands Specific Plan but with logistics warehousing on land designated for non-residential uses (Planned Business Center) under the Specific Plan.
Source: World Logistics Center EIR.

7.2 - Operational Emissions for Alternatives

7.2.1 - Emissions Summary

Air Pollutant Criteria Emissions

Table 75 displays a summary of the operational regional air pollutant emissions for the alternatives. As shown in the table, all alternatives exceed the SCAQMD significance thresholds for VOC, NO_X, CO, PM_{10}, and $PM_{2.5}$. Alternative 2 has the highest overall emissions, which is because the alternative has greater trips per day and the alternative does not take into account newer model year trucks of 2010 or higher.

Table 75: Operational Regional Air Pollutant Emissions (Alternatives)

Alternative Scenario	Summer Emissions (pounds per day)					
	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Proposed Project	729	3,059	3,466	21	1,685	153
No project	NG	NG	NG	NG	NG	NG
No project: Moreno Highlands Specific Plan	1,114	1,072	4,853	NG	1,231	86
Alternative 1: Reduced Density	510	2,141	2,426	15	1,180	107
Alternative 2: Mixed Use A	1,735	3,566	10,208	35	3,428	234
Alternative 3: Mixed Use B	781	1,531	4,963	15	1,512	115
Alternative sites	729	3,059	3,466	21	1,685	153
Threshold	**55**	**55**	**550**	**150**	**150**	**55**
Exceed threshold?	Yes	Yes	Yes	No	Yes	Yes

Notes:
- Emissions are from local vehicles, trucks, natural gas, painting, and consumer products. PM_{10} and $PM_{2.5}$ emissions include exhaust and road dust. Landscaping emissions are negligible.

VOC = volatile organic compounds NO_X = nitrogen oxides SO_2 = sulfur dioxide
CO = carbon monoxide PM_{10} and $PM_{2.5}$ = particulate matter
NG = There would be negligible emissions for the no project scenario, from agricultural uses, fugitive dust on unpaved roads, and from the existing onsite residences.
Source of proposed project and alternative sites: Table 57 for the year 2022.
Source of no project - Moreno Highlands Specific Plan: Table 37.
Source of Alternative 1: 70 percent of the proposed project emissions.
Source of Alternative 2: Refer to Table 77.
Source of Alternative 3: Refer to Table 79.
Source of significance thresholds: South Coast Air Quality Management District 2011a.

Greenhouse Gas Emissions

The greenhouse gas emissions for the alternatives are shown in Table 76. As shown in the table, all of the alternatives, with the exception of the no project alternative, exceed the SCAQMD's threshold. The main greenhouse gas contributing to the emissions is carbon dioxide, contributing more than 88

percent of the total emissions. The second top contributor is methane, contributing 12 percent of the emissions, mostly from waste decomposition.

Table 76: Greenhouse Gas Emissions (Alternatives)

Alternative	Emissions ($MTCO_2e$/year)
Proposed project	665,321
No project	NG
No project: Moreno Highlands Specific Plan	228,719
Alternative 1: Reduced Density	465,725
Alternative 2: Mixed Use A	794,828
Alternative 3: Mixed Use B	318,808
Alternative sites	665,321
Threshold	**10,000**

Notes:
$MTCO_2e$ = metric tons of carbon dioxide equivalents.
NG = There would be negligible emissions for the no project scenario.
Source of proposed project and alternative sites: Table 68 for the year 2022.
Source of no project - Moreno Highlands Specific Plan: CalEEMod annual output (Appendix A.3, Alternatives Operation).
Source of Alternative 1: 70 percent of the proposed project emissions.
Source of Alternative 2: Refer to Table 78.
Source of Alternative 3: Refer to Table 80.

7.2.2 - Modeling Assumptions for Alternative 2

Logistics Center

For the logistics center, the emissions were simply estimated as a percentage of the project's emissions—new model runs were not completed. The mitigated values were used, since it is assumed that the same mitigation would be applied to the logistics center if it were smaller.

Other Land Uses

For the light industrial, shopping center, and office uses, the emissions were estimated using CalEEMod as discussed below. Refrigerant emissions are not estimated for the other land uses.

Motor Vehicles

For Alternative 2, the trip generation rates provided by the traffic consultant were used for weekday trips and are as follows:

- General light industrial: 6.97 trips/1,000 sq ft
- Shopping center: 42.7 trips/1,000 sq ft
- General Office Building: 11.03 trips/1,000 sq ft

For Saturday and Sunday trips for the general office building, the CalEEMod defaults were used, which are lower than the weekday trips (Saturday has 1.64 and Sunday 0.76 trips/1,000 sq ft) because in general, office uses are primarily active on the weekdays. For the shopping center and the light industrial, the same trip generation rate was used for each day of the week. All other CalEEMod default values for motor vehicles were used (trip length, trip percentages, emission factors, etc.).

Electricity and Natural Gas

The CalEEMod default values were used for electricity and natural gas estimates.

Water, Waste

The CalEEMod default values for waste and water generation are inflated. As an example, as shown in the CalEEMod output, using the CalEEMod defaults, the water usage was estimated to generate 462,000 $MTCO_2e$/year for the light industrial. Waste was assumed to generate 529,000 $MTCO_2e$/year for the light industrial. It is assumed that this alternative would have similar water and waste uses as the project; therefore, the project estimates were used for water and waste and the CalEEMod default values were not used.

Emissions

The air pollutant emissions for Alternative 2 are shown in Table 77 and the greenhouse gas emissions are shown in Table 78.

Table 77: Alternative 2 Operational Emissions

Land Use	Source	Summer Emissions (pounds/day)					
		VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Logistics warehousing	All	386	1,621	1,837	11	893	81
Light industrial, retail, office	Mobile	767	1,765	8,220	23	2,521	139
	Natural gas	20	180	151	1	14	14
	Area	562	0	0	0	0	0
Total	**All**	**1,735**	**3,566**	**10,208**	**35**	**3,428**	**234**

Notes:
VOC = volatile organic compounds NO_X = nitrogen oxides SO_2 = sulfur dioxide
CO = carbon monoxide PM_{10} and $PM_{2.5}$ = particulate matter
Source of logistics warehousing: 53 percent of mitigated project emissions shown in Table 57.
Source of light industrial, retail, office: CalEEMod modeling conducted by Michael Brandman Associates (see Appendix A, CalEEMod Output and Regional Emissions Spreadsheets, for model output).

Table 78: Alternative 2 Greenhouse Gas Emissions

Land Use	Source	Emissions ($MTCO_2e$/year)
Logistics warehousing	All	352,620
Light industrial, retail, office	Mobile	287,945
	Electricity	70,358
	Natural gas	35,973
	Water	1,093
	Waste	46,839
Total	All	**794,828**

Notes:
$MTCO_2e$ = metric tons of carbon dioxide equivalents
Construction emissions are excluded
Source of logistics warehousing emissions: Table 68, year 2022, 53 percent of mitigated project emissions.
Source of light industrial, retail, and office - mobile, electricity, natural gas emissions: CalEEMod output.
Source of light industrial, retail, and office - water and waste emissions: Table 68, 47 percent of water and waste emissions.

7.2.3 - Modeling Assumptions for Alternative 3

Logistics Center

For the logistics center, the emissions were simply estimated as a percentage of the project's emissions—new model runs were not completed. The mitigated values were used, since it is assumed that the same mitigation would be applied to the logistics center if it were smaller.

Other Land Uses

Emissions for residential uses were estimated using CalEEMod as discussed below.

Motor Vehicles

The motor vehicle estimates use CalEEMod defaults and the following trip generation rates from the traffic consultant:

- Single-family residential: 9.57 trips/dwelling unit (5,082 dwelling units)
- Multi-family residential: 6.59 trips/dwelling unit (2,201 dwelling units)

Other

The CalEEMod default values were used for and other sources. It was assumed that this alternative would only have solar on the logistics centers due to the feasibility of solar on the other buildings. In addition, refrigerant emissions are not estimated for the other land uses.

Emissions

The air pollutant emissions for Alternative 3 are shown in Table 77 and greenhouse gas emissions are shown in Table 80.

Table 79: Alternative 3 Operational Emissions

Land Use	Source	Summer Emissions (pounds/day)					
		VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Logistics warehousing	All	175	734	832	5	404	37
Residential	Mobile	317	729	3,496	10	1,090	60
	Natural gas	7	61	26	<1	5	5
	Area	282	7	609	<1	13	13
Total	**All**	**781**	**1,531**	**4,963**	**15**	**1,512**	**115**

Notes:
VOC = volatile organic compounds NO_X = nitrogen oxides SO_2 = sulfur dioxide
CO = carbon monoxide PM_{10} and $PM_{2.5}$ = particulate matter
Area = painting, consumer products, landscaping, and natural gas hearths
Source of logistics warehouse emissions: 24 percent of mitigated project emissions shown in Table 57.
Source of residential emissions: CalEEMod modeling conducted by Michael Brandman Associates (see Appendix A.3, Alternatives Operation, for model output).

Table 80: Alternative 3 Greenhouse Gas Emissions

Land Use	Source	Emissions ($MTCO_2e$/year)
Logistics warehousing	All	159,677
Residential	Mobile	126,119
	Electricity	13,591
	Natural gas	13,047
	Water	3,202
	Waste	3,172
Total	**All**	**318,808**

Notes:
$MTCO_2e$ = metric tons of carbon dioxide equivalents
Construction emissions are excluded
Source of logistics warehousing emissions: Table 68, year 2022, 24 percent of mitigated project emissions.
Source of residential emissions: CalEEMod output (see Appendix A.3, Alternatives Operation).

SECTION 8: REFERENCES

The following references were used in the preparation of this analysis and are referenced in the text and/or were used to provide the author with background information necessary for the preparation of thresholds and content.

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Appendix A:
CalEEMod Output and Regional Emissions Spreadsheets

A.1 - Construction
A.2 - Operation
A.3 - Alternatives Operation

A.1 - Construction

Construction
VOC Estimates during Painting

World Logistics Center
Highland Fairview
Prepared by Michael Brandman Associates
3-Mar-12

Estimate of Area to be Painted (Exterior)

The number of buildings for the project is unknown at this time. The Skecher building was approximately 1,810,000 square feet. Assuming that the project buildings have an average size of 1,500,000 square feet each yields the following number of buildings. Taking the square root of the building size and mulitiplying by 4 yields the perimeter of each building.

	Area (sf)	*Building size (sf)*	*Buildings*	*Building perimeter (feet)*	*Height of building (feet)*	*Area painted per building (sf)*	*Number of coats*	*Area to be painted (sf)*
Phase 1	21,950,000	1,500,000	14.7	4,899	40	195,959	2	5,761,200
Phase 2	19,650,000	1,500,000	13.1	4,899	40	195,959	2	5,134,131

Estimate of Area to be Painted (Interior)

It is assumed that the warehouse interiors would not be painted, with the exception the offices (if any). The Skecher building had approximately 50,000 square feet of office. CalEEMod assumes the total surface painting equals 2 times the square footage, which is used here to determine the interior area to be painted.

	Buildings	*Office area per building (sf)*	*Area to be painted (sf)*
Phase 1	14.7	50,000	1,470,000
Phase 2	13.1	50,000	1,310,000

VOC Emissions Estimates

VOC emissions are estimated separately using the methodology in the CalEEMod manual:

E = EF x F • A

Where:

E = emissions (pounds VOC)
EF = emission factor (pounds per square feet) = VOC content (g/L) / 454 (g/lb) x 3.785(L/Gal) / 180(square feet)
A = building surface area (square feet)
F = fraction of surface area; 75% for exterior and 25% for interior

EF (assume 250 grams/Liter) 0.012

Interior Fraction of surface area = 0.25

	Area to be painted (sf)	*Emissions (lbs VOC)*	*Days of Painting*	*Emissions (lbs/day)*
Phase 1	1,470,000	4,410	147	30.0
Phase 2	1,310,000	3,930	147	26.7

Exterior Fraction of surface area = 0.75

	Area to be painted (sf)	*Emissions (lbs VOC)*	*Days of Painting*	*Emissions (lbs/day)*
Phase 1	5,761,200	51,851	441	117.6
Phase 2	5,134,131	46,207	441	104.8

Total Emissions	*Unmitigated (lbs/day)*
Phase 1	147.6
Phase 2	131.5

Construction
VOC Estimates during Painting

VOC Emissions (mitigated, 100 grams/Liter paints)

EF (assume 100 grams/Liter) 0.005

Interior	Fraction of surface area =		0.25		
		Area to be painted (sf)	*Emissions (lbs VOC)*	*Days of Painting*	*Emissions (lbs/day)*
	Phase 1	1,470,000	1,838	147	12.5
	Phase 2	1,310,000	1,638	147	11.1
Exterior	Fraction of surface area =		0.75		
		Area to be painted (sf)	*Emissions (lbs VOC)*	*Days of Painting*	*Emissions (lbs/day)*
	Phase 1	5,761,200	21,604	441	49.0
	Phase 2	5,134,131	19,253	441	43.7

Total Emissions	*Mitigated*
Phase 1	61.5
Phase 2	54.8

Days of painting for the interior offices assume that each building would take 10 days to paint.
Days of painting for the exterior assumes that each building would take 30 days to paint.
It is assumed that painting would occur in all years except Year 1 and Year 5, for a worst-case scenario.

World Logistics Center
Daily Construction Emissions Summary (On and Offsite)
Emissions from CalEEMod
Prepared by Michael Brandman Associates
17-May

Unmitigated Daily Emissions (Maximum)

Year	VOC	NOx	CO	Dust PM10	Exhaust PM10	Dust PM2.5	Exhaust PM2.5
Year 1	705	5793	2867	112	265	18	265
Year 2	472	2335	1353	36	132	4	132
Year 3	443	2084	1250	27	122	1	122
Year 4	343	1331	934	21	90	1	90
Year 5	547	4076	2411	110	176	18	176
Year 6	400	1781	1334	43	90	6	90
Year 7	377	1608	1248	34	83	4	83
Year 8	270	942	873	21	56	1	56
Year 9	270	942	873	21	56	1	56

Year	VOC	NOx	CO	PM10 total	PM2.5 total
Year 1	705	5793	2867	377	284
Year 2	472	2335	1353	167	136
Year 3	443	2084	1250	149	123
Year 4	343	1331	934	110	91
Year 5	547	4076	2411	286	194
Year 6	400	1781	1334	133	96
Year 7	377	1608	1248	117	86
Year 8	270	942	873	76	57
Year 9	270	942	873	76	57

World Logistics Center
Annual Construction Emissions Summary (On and Offsite)
Emissions from CalEEMod
Prepared by Michael Brandman Associates
10-Oct

Unmitigated Annual Emissions (Maximum)

Year	NOx	CO	Dust PM10	Exhaust PM10	Dust PM2.5	Exhaust PM2.5	CO2e
Year 1	799	387	15.4	35.5	2.5	35.5	95,692
Year 2	286	178	3.8	17.3	0.2	17.3	37,927
Year 3	240	159	3.4	15.3	0.2	15.4	31,634
Year 4	206	145	3.2	13.9	0.2	13.9	26,947
Year 5	563	322	15.3	23.8	2.5	23.8	94,510
Year 6	221	178	4.9	11.7	0.6	11.7	41,743
Year 7	186	158	4.0	10.3	0.4	10.3	34,665
Year 8	146	135	3.2	8.7	0.2	8.7	26,818
Year 9	146	135	3.2	8.7	0.2	8.7	26,818
Total	**2794**	**1796**	**56.2**	**145.1**	**6.9**	**145.2**	**416755**

Year	NOx	CO	PM10	PM2.5	CO2e
Year 1	799	387	50.9	38.1	95692
Year 2	286	178	21.1	17.6	37927
Year 3	240	159	18.7	15.5	31634
Year 4	206	145	17.1	14.1	26947
Year 5	563	322	39.0	26.3	94510
Year 6	221	178	16.6	12.3	41743
Year 7	186	158	14.3	10.6	34665
Year 8	146	135	11.8	8.8	26818
Year 9	146	135	11.8	8.8	26818
Total	**2794**	**1796**	**201.3**	**152.1**	**416755**
Averaged over 30 years					**13892**

World Logistics Center
ONSITE Daily Construction Emissions Summary
Unmitigated
Emissions from CalEEMod (except Painting, see spreadsheet)
Prepared by Michael Brandman Associates
17-May

Year	Activity	VOC	NOx	CO	Dust PM10	Exhaust PM10	Dust PM2.5	Exhaust PM2.5	CO2e
Phase 1	Mass grading	425.0	3749.4	1621.9	76.1	145.7	14.5	145.7	428709
All	Finish grading	28.8	248.7	100.7	8.3	9.8	2.4	9.8	30732
	Building	162.7	1088.1	743.9	0.0	76.6	0.0	76.6	128768
	Utilities	47.8	403.0	157.7	0.0	16.6	0.0	17.0	55317
	Curbing	5.3	40.8	23.0	1.2	2.3	0.0	2.3	5193
	Landscaping	21.4	152.7	80.2	0.0	9.5	0.0	9.5	17975
	Painting	147.6							
	Paving	45.0	289.7	119.2	2.3	12.1	0.0	12.1	34874
Year 1	Mass grading	425.0	3749.4	1621.9	76.1	145.7	14.5	145.7	428709
	Finish grading	28.8	248.7	100.7	8.3	9.8	2.4	9.8	30732
	Building	162.7	1088.1	743.9	0.0	76.6	0.0	76.6	128768
	Utilities	47.8	403.0	157.7	0.0	16.6	0.0	17.0	55317
	Curbing	5.3	40.8	23.0	1.2	2.3	0.0	2.3	5193
	Landscaping	21.4	152.7	80.2	0.0	9.5	0.0	9.5	17975
	Maximum	*691.0*	*5682.6*	*2727.5*	*85.5*	*260.5*	*17.0*	*260.9*	*666694*
Year 2	Finish grading	28.8	248.7	100.7	8.3	9.8	2.4	9.8	30732
	Building	162.7	1088.1	743.9	0.0	76.6	0.0	76.6	128768
	Utilities	47.8	403.0	157.7	0.0	16.6	0.0	17.0	55317
	Curbing	5.3	40.8	23.0	1.2	2.3	0.0	2.3	5193
	Landscaping	21.4	152.7	80.2	0.0	9.5	0.0	9.5	17975
	Painting	147.6							
	Paving	45.0	289.7	119.2	2.3	12.1	0.0	12.1	34874
	Maximum	*458.5*	*2222.9*	*1224.7*	*11.8*	*126.9*	*2.4*	*127.3*	*272859*
Year 3	Building	162.7	1088.1	743.9	0.0	76.6	0.0	76.6	128768
	Utilities	47.8	403.0	157.7	0.0	16.6	0.0	17.0	55317
	Curbing	5.3	40.8	23.0	1.2	2.3	0.0	2.3	5193
	Landscaping	21.4	152.7	80.2	0.0	9.5	0.0	9.5	17975
	Painting	147.6							
	Paving	45.0	289.7	119.2	2.3	12.1	0.0	12.1	34874
	Maximum	*429.7*	*1974.2*	*1124.0*	*3.5*	*117.1*	*0.0*	*117.5*	*242127*
Year 4	Building	162.7	1088.1	743.9	0.0	76.6	0.0	76.6	128768
	Painting	147.6							
	Landscaping	21.4	152.7	80.2	0.0	9.5	0.0	9.5	17975
	Maximum	*331.6*	*1240.7*	*824.2*	*0.0*	*86.1*	*0.0*	*86.1*	*146743*

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Year	Activity	VOC	NOx	CO	Dust PM10	Exhaust PM10	Dust PM2.5	Exhaust PM2.5	CO2e
Phase 2	Mass grading	346.2	2696.4	1288.8	76.1	102.9	14.5	102.9	428566
All	Finish grading	23.2	172.1	84.4	8.3	6.6	2.4	6.6	30722
	Building	114.0	777.0	718.1	0.0	47.0	0.0	47.0	128676
	Utilities	37.4	256.6	145.8	0.0	10.1	0.0	10.1	55298
	Curbing	4.1	28.6	21.5	1.2	1.4	0.0	1.4	5191
	Landscaping	16.5	107.0	76.0	0.0	6.4	0.0	6.4	17966
	Painting	131.5							
	Paving	42.4	201.2	104.2	2.3	8.2	0.0	8.2	34862
	Interchange	21.3	164.4	89.5	7.1	6.5	2.4	6.5	27715
Year 5	Mass grading	346.2	2696.4	1288.8	76.1	102.9	14.5	102.9	428566
	Finish grading	23.2	172.1	84.4	8.3	6.6	2.4	6.6	30722
	Building	114.0	777.0	718.1	0.0	47.0	0.0	47.0	128676
	Utilities	37.4	256.6	145.8	0.0	10.1	0.0	10.1	55298
	Landscaping	16.5	107.0	76.0	0.0	6.4	0.0	6.4	17966
	Maximum	537.3	4009.1	2313.1	84.3	173.0	17.0	173.0	661228
Year 6	Finish grading	23.2	172.1	84.4	8.3	6.6	2.4	6.6	30722
	Building	114.0	777.0	718.1	0.0	47.0	0.0	47.0	128676
	Utilities	37.4	256.6	145.8	0.0	10.1	0.0	10.1	55298
	Curbing	4.1	28.6	21.5	1.2	1.4	0.0	1.4	5191
	Landscaping	16.5	107.0	76.0	0.0	6.4	0.0	6.4	17966
	Painting	131.5							
	Paving	42.4	201.2	104.2	2.3	8.2	0.0	8.2	34862
	Interchange	21.3	164.4	89.5	7.1	6.5	2.4	6.5	27715
	Maximum	390.3	1706.7	1239.5	18.9	86.2	4.8	86.2	300430
Year 7	Building	114.0	777.0	718.1	0.0	47.0	0.0	47.0	128676
	Utilities	37.4	256.6	145.8	0.0	10.1	0.0	10.1	55298
	Curbing	4.1	28.6	21.5	1.2	1.4	0.0	1.4	5191
	Landscaping	16.5	107.0	76.0	0.0	6.4	0.0	6.4	17966
	Painting	131.5							
	Paving	42.4	201.2	104.2	2.3	8.2	0.0	8.2	34862
	Interchange	21.3	164.4	89.5	7.1	6.5	2.4	6.5	27715
	Maximum	367.1	1534.7	1155.1	10.6	79.6	2.4	79.6	269708
Year 8	Building	114.0	777.0	718.1	0.0	47.0	0.0	47.0	128676
	Painting	131.5							
	Landscaping	16.5	107.0	76.0	0.0	6.4	0.0	6.4	17966
	Maximum	262.0	884.0	794.1	0.0	53.4	0.0	53.4	146642
Year 9	Building	114.0	777.0	718.1	0.0	47.0	0.0	47.0	128676
	Painting	131.5							
	Landscaping	16.5	107.0	76.0	0.0	6.4	0.0	6.4	17966
	Maximum	262.0	884.0	794.1	0.0	53.4	0.0	53.4	146642

Notes: The maximum refers to the maximum emissions on any one day during the year. These emissions would not occur throughout the entire year, as shown in the schedule, there are periods where fewer emissions would occur because there would not be as many overlapping phases. The emission factors for phase 1 use 2013 and Phase 2 use 2017, as it is assumed that the same construction equipment and vehicles would be used for each phase

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Unmitigated
Prepared by Michael Brandman Associates
10-Oct

Phase 1 Duration

	Days				
	Year 1	**Year 2**	**Year 3**	**Year 4**	**Total**
Mass grading	310	0	0	0	310
Finish grading	103	52	0	0	155
Building	232	310	310	310	1162
Utilities	232	310	155	0	697
Curbing	26	103	77	0	206
Landscaping	155	310	310	310	1085
Paving	52	52	0	0	104

Unmitigated, Phase 1 (pounds per day)

Emissions	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**	**CO2e**
Mass grading	3749.4	1621.9	76.1	145.7	14.5	145.7	428709
Finish grading	248.7	100.7	8.3	9.8	2.4	9.8	30732
Building	1088.1	743.9	0.0	76.6	0.0	76.6	128768
Utilities	403.0	157.7	0.0	16.6	0.0	17.0	55317
Curbing	40.8	23.0	1.2	2.3	0.0	2.3	5193
Landscaping	152.7	80.2	0.0	9.5	0.0	9.5	17975
Paving	289.7	119.2	2.3	12.1	0.0	12.1	34874
Year 1 - Emissions (tons/year)							
Mass grading	581.2	251.4	11.8	22.6	2.3	22.6	66450
Finish grading	12.8	5.2	0.4	0.5	0.1	0.5	1583
Building	126.2	86.3	0.0	8.9	0.0	8.9	14937
Utilities	46.7	18.3	0.0	1.9	0.0	2.0	6417
Curbing	0.5	0.3	0.0	0.0	0.0	0.0	68
Landscaping	11.8	6.2	0.0	0.7	0.0	0.7	1393
Paving	7.5	3.1	0.1	0.3	0.0	0.3	907
Total	**786.8**	**370.8**	**12.3**	**35.0**	**2.4**	**35.0**	**91754**
Year 2 - Emissions (tons/year)							
Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
Finish grading	6.5	2.6	0.2	0.3	0.1	0.3	799
Building	168.6	115.3	0.0	11.9	0.0	11.9	19959
Utilities	62.5	24.4	0.0	2.6	0.0	2.6	8574
Curbing	2.1	1.2	0.1	0.1	0.0	0.1	267
Landscaping	23.7	12.4	0.0	1.5	0.0	1.5	2786
Paving	7.5	3.1	0.1	0.3	0.0	0.3	907
Total	**270.9**	**159.1**	**0.3**	**16.6**	**0.1**	**16.7**	**33293**
Year 3 - Emissions (tons/year)							
Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
Finish grading	0.0	0.0	0.0	0.0	0.0	0.0	0
Building	168.6	115.3	0.0	11.9	0.0	11.9	19959
Utilities	31.2	12.2	0.0	1.3	0.0	1.3	4287
Curbing	1.6	0.9	0.0	0.1	0.0	0.1	200
Landscaping	23.7	12.4	0.0	1.5	0.0	1.5	2786
Paving	0.0	0.0	0.0	0.0	0.0	0.0	0
Total	**225.1**	**140.8**	**0.0**	**14.7**	**0.0**	**14.8**	**27232**

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Year 4 - Emissions (tons/year)

Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
Finish grading	0.0	0.0	0.0	0.0	0.0	0.0	0
Building	168.6	115.3	0.0	11.9	0.0	11.9	19959
Utilities	0.0	0.0	0.0	0.0	0.0	0.0	0
Curbing	0.0	0.0	0.0	0.0	0.0	0.0	0
Landscaping	23.7	12.4	0.0	1.5	0.0	1.5	2786
Paving	0.0	0.0	0.0	0.0	0.0	0.0	0
Total	**192.3**	**127.7**	**0.0**	**13.3**	**0.0**	**13.3**	**22745**

Phase 2 Duration

	Days					
	Year 5	**Year 6**	**Year 7**	**Year 8**	**Year 9**	**Total**
Mass grading	310	0	0	0	0	310
Finish grading	103	52	0	0	0	155
Building	232	310	310	310	310	1472
Utilities	232	310	155	0	0	697
Curbing	0	103	77	0	0	180
Landscaping	155	310	310	310	310	1395
Paving	0	26	52	0	0	78
Interchange	0	310	155	0	0	465

Unmitigated, Phase 2 (pounds per day)

Emissions	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**	**CO2e**
Mass grading	2696.4	1288.8	76.1	102.9	14.5	102.9	428566
Finish grading	172.1	84.4	8.3	6.6	2.4	6.6	30722
Building	777.0	718.1	0.0	47.0	0.0	47.0	128676
Utilities	256.6	145.8	0.0	10.1	0.0	10.1	55298
Curbing	28.6	21.5	1.2	1.4	0.0	1.4	5191
Landscaping	107.0	76.0	0.0	6.4	0.0	6.4	17966
Paving	201.2	104.2	2.3	8.2	0.0	8.2	34862
Interchange	164.4	89.5	7.1	6.5	2.4	6.5	27715

Emissions (tons/year)

Year 5	Mass grading	417.9	199.8	11.8	15.9	2.3	15.9	66428
	Finish grading	8.9	4.3	0.4	0.3	0.1	0.3	1582
	Building	90.1	83.3	0.0	5.5	0.0	5.5	14926
	Utilities	29.8	16.9	0.0	1.2	0.0	1.2	6415
	Curbing	0.0	0.0	0.0	0.0	0.0	0.0	0
	Landscaping	8.3	5.9	0.0	0.5	0.0	0.5	1392
	Paving	0.0	0.0	0.0	0.0	0.0	0.0	0
	Interchange	0.0	0.0	0.0	0.0	0.0	0.0	0
	Total	**555.0**	**310.2**	**12.2**	**23.4**	**2.4**	**23.4**	**90743**

Emissions (tons/year)

Year 6	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Finish grading	4.5	2.2	0.2	0.2	0.1	0.2	799
	Building	120.4	111.3	0.0	7.3	0.0	7.3	19945
	Utilities	39.8	22.6	0.0	1.6	0.0	1.6	8571
	Curbing	1.5	1.1	0.1	0.1	0.0	0.1	267
	Landscaping	16.6	11.8	0.0	1.0	0.0	1.0	2785
	Paving	2.6	1.4	0.0	0.1	0.0	0.1	453
	Interchange	25.5	13.9	1.1	1.0	0.4	1.0	4296
	Total	**210.8**	**164.2**	**1.4**	**11.2**	**0.4**	**11.2**	**37116**

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Emissions (tons/year)								
Year 7	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Finish grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Building	120.4	111.3	0.0	7.3	0.0	7.3	19945
	Utilities	19.9	11.3	0.0	0.8	0.0	0.8	4286
	Curbing	1.1	0.8	0.0	0.1	0.0	0.1	200
	Landscaping	16.6	11.8	0.0	1.0	0.0	1.0	2785
	Paving	5.2	2.7	0.1	0.2	0.0	0.2	906
	Interchange	12.7	6.9	0.6	0.5	0.2	0.5	2148
	Total	**176.0**	**144.9**	**0.7**	**9.8**	**0.2**	**9.8**	**30269**
Emissions (tons/year)								
Year 8	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Finish grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Building	120.4	111.3	0.0	7.3	0.0	7.3	19945
	Utilities	0.0	0.0	0.0	0.0	0.0	0.0	0
	Curbing	0.0	0.0	0.0	0.0	0.0	0.0	0
	Landscaping	16.6	11.8	0.0	1.0	0.0	1.0	2785
	Paving	0.0	0.0	0.0	0.0	0.0	0.0	0
	Interchange	0.0	0.0	0.0	0.0	0.0	0.0	0
	Total	**137.0**	**123.1**	**0.0**	**8.3**	**0.0**	**8.3**	**22730**
Emissions (tons/year)								
Year 9	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Finish grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Building	120.4	111.3	0.0	7.3	0.0	7.3	19945
	Utilities	0.0	0.0	0.0	0.0	0.0	0.0	0
	Curbing	0.0	0.0	0.0	0.0	0.0	0.0	0
	Landscaping	16.6	11.8	0.0	1.0	0.0	1.0	2785
	Paving	0.0	0.0	0.0	0.0	0.0	0.0	0
	Interchange	0.0	0.0	0.0	0.0	0.0	0.0	0
	Total	**137.0**	**123.1**	**0.0**	**8.3**	**0.0**	**8.3**	**22730**

World Logistics Center
OFFSITE Daily Construction Emissions Summary
Unmitigated
Emissions from CalEEMod
Prepared by Michael Brandman Associates
17-May

Year	Activity	VOC	NOx	CO	Dust PM10	Exhaust PM10	Dust PM2.5	Exhaust PM2.5	CO2e
Phase 1	Mass grading	1.2	5.8	16.0	3.3	0.3	0.1	0.3	3222
All	Finish grading	0.2	2.0	2.5	0.5	0.1	0.0	0.1	643
	Building	10.8	87.3	106.8	19.9	3.7	1.0	3.7	26242
	Utilities	0.8	7.4	7.3	1.4	0.3	0.1	0.3	2049
	Curbing	0.5	5.0	3.4	0.6	0.2	0.0	0.2	1066
	Landscaping	0.3	3.0	3.2	0.6	0.1	0.0	0.1	868
	Paving	0.7	7.6	5.6	0.9	0.3	0.1	0.3	1665
Year 1	Mass grading	1.2	5.8	16.0	3.3	0.3	0.1	0.3	3222
	Finish grading	0.2	2.0	2.5	0.5	0.1	0.0	0.1	643
	Building	10.8	87.3	106.8	19.9	3.7	1.0	3.7	26242
	Utilities	0.8	7.4	7.3	1.4	0.3	0.1	0.3	2049
	Curbing	0.5	5.0	3.4	0.6	0.2	0.0	0.2	1066
	Landscaping	0.3	3.0	3.2	0.6	0.1	0.0	0.1	868
	Maximum	*13.8*	*110.4*	*139.1*	*26.2*	*4.6*	*1.3*	*4.6*	*34089*
Year 2	Finish grading	0.2	2.0	2.5	0.5	0.1	0.0	0.1	643
	Building	10.8	87.3	106.8	19.9	3.7	1.0	3.7	26242
	Utilities	0.8	7.4	7.3	1.4	0.3	0.1	0.3	2049
	Curbing	0.5	5.0	3.4	0.6	0.2	0.0	0.2	1066
	Landscaping	0.3	3.0	3.2	0.6	0.1	0.0	0.1	868
	Paving	0.7	7.6	5.6	0.9	0.3	0.1	0.3	1665
	Maximum	*13.4*	*112.1*	*128.7*	*23.9*	*4.6*	*1.2*	*4.6*	*32533*
Year 3	Building	10.8	87.3	106.8	19.9	3.7	1.0	3.7	26242
	Utilities	0.8	7.4	7.3	1.4	0.3	0.1	0.3	2049
	Curbing	0.5	5.0	3.4	0.6	0.2	0.0	0.2	1066
	Landscaping	0.3	3.0	3.2	0.6	0.1	0.0	0.1	868
	Paving	0.7	7.6	5.6	0.9	0.3	0.1	0.3	1665
	Maximum	*13.1*	*110.1*	*126.2*	*23.4*	*4.6*	*1.2*	*4.6*	*31890*
Year 4	Building	10.8	87.3	106.8	19.9	3.7	1.0	3.7	26242
	Landscaping	0.3	3.0	3.2	0.6	0.1	0.0	0.1	868
	Maximum	*11.2*	*90.2*	*110.0*	*20.5*	*3.8*	*1.0*	*3.8*	*27109*

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OFFSITE Daily Construction Emissions Summary
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Year	Activity	VOC	NOx	CO	Dust PM10	Exhaust PM10	Dust PM2.5	Exhaust PM2.5	CO2e
Phase 2	Mass grading	0.9	3.8	11.6	3.3	0.2	0.1	0.2	3058.1
All	Finish grading	0.2	1.3	1.8	0.5	0.1	0.0	0.1	624.5
	Building	7.6	55.7	77.1	19.9	2.5	1.0	2.5	25532.5
	Utilities	0.5	4.7	5.3	1.4	0.2	0.1	0.2	2006.6
	Curbing	0.3	3.1	2.4	0.6	0.1	0.0	0.1	1059.9
	Landscaping	0.2	1.9	2.3	0.6	0.1	0.0	0.1	847.3
	Paving	0.5	4.8	4.0	0.9	0.2	0.1	0.2	1652.0
	Interchange	0.3	3.2	1.5	0.3	0.1	0.0	0.1	873.1
Year 5	Mass grading	0.9	3.8	11.6	3.3	0.2	0.1	0.2	3058.1
	Finish grading	0.2	1.3	1.8	0.5	0.1	0.0	0.1	624.5
	Building	7.6	55.7	77.1	19.9	2.5	1.0	2.5	25532.5
	Utilities	0.5	4.7	5.3	1.4	0.2	0.1	0.2	2006.6
	Landscaping	0.2	1.9	2.3	0.6	0.1	0.0	0.1	847.3
	Maximum	9.4	67.3	98.0	25.6	3.1	1.3	3.1	32069.0
Year 6	Finish grading	0.2	1.3	1.8	0.5	0.1	0.0	0.1	624.5
	Building	7.6	55.7	77.1	19.9	2.5	1.0	2.5	25532.5
	Utilities	0.5	4.7	5.3	1.4	0.2	0.1	0.2	2006.6
	Curbing	0.3	3.1	2.4	0.6	0.1	0.0	0.1	1059.9
	Landscaping	0.2	1.9	2.3	0.6	0.1	0.0	0.1	847.3
	Paving	0.5	4.8	4.0	0.9	0.2	0.1	0.2	1652.0
	Interchange	0.3	3.2	1.5	0.3	0.1	0.0	0.1	873.1
	Maximum	9.6	74.6	94.5	24.2	3.3	1.2	3.3	32595.8
Year 7	Building	7.6	55.7	77.1	19.9	2.5	1.0	2.5	25532.5
	Utilities	0.5	4.7	5.3	1.4	0.2	0.1	0.2	2006.6
	Curbing	0.3	3.1	2.4	0.6	0.1	0.0	0.1	1059.9
	Landscaping	0.2	1.9	2.3	0.6	0.1	0.0	0.1	847.3
	Paving	0.5	4.8	4.0	0.9	0.2	0.1	0.2	1652.0
	Interchange	0.3	3.2	1.5	0.3	0.1	0.0	0.1	873.1
	Maximum	9.4	73.4	92.7	23.7	3.2	1.2	3.2	31971.3
Year 8	Building	7.6	55.7	77.1	19.9	2.5	1.0	2.5	25532.5
	Landscaping	0.2	1.9	2.3	0.6	0.1	0.0	0.1	847.3
	Maximum	7.8	57.6	79.4	20.5	2.6	1.0	2.6	26379.8
Year 9	Building	7.6	55.7	77.1	19.9	2.5	1.0	2.5	25532.5
	Landscaping	0.2	1.9	2.3	0.6	0.1	0.0	0.1	847.3
	Maximum	7.8	57.6	79.4	20.5	2.6	1.0	2.6	26379.8

Notes: The maximum refers to the maximum emissions on any one day during the year. These emissions would not occur throughout the entire year, as shown in the schedule, there are periods where fewer emissions would occur because there would not be as many overlapping phases. The emission factors for phase 1 use 2013 and Phase 2 use 2017, as it is assumed that the same construction equipment and vehicles would be used for each phase

World Logistics Center
OFFSITE Construction Annual Summary
Unmitigated
Prepared by Michael Brandman Associates
10-Oct

Phase 1 Duration

	Days				
	Year 1	**Year 2**	**Year 3**	**Year 4**	**Total**
Mass grading	310	0	0	0	310
Finish grading	103	52	0	0	155
Building	232	310	310	310	1162
Utilities	232	310	155	0	697
Curbing	26	103	77	0	206
Landscaping	155	310	310	310	1085
Paving	52	52	0	0	104

Unmitigated, Phase 1 (pounds per day)

Emissions	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**	**CO2e**
Mass grading	5.8	16.0	3.3	0.3	0.1	0.3	3222
Finish grading	2.0	2.5	0.5	0.1	0.0	0.1	643
Building	87.3	106.8	19.9	3.7	1.0	3.7	26242
Utilities	7.4	7.3	1.4	0.3	0.1	0.3	2049
Curbing	5.0	3.4	0.6	0.2	0.0	0.2	1066
Landscaping	3.0	3.2	0.6	0.1	0.0	0.1	868
Paving	7.6	5.6	0.9	0.3	0.1	0.3	1665
Year 1 - Emissions (tons/year)							
Mass grading	0.9	2.5	0.5	0.0	0.0	0.0	499
Finish grading	0.1	0.1	0.0	0.0	0.0	0.0	33
Building	10.1	12.4	2.3	0.4	0.1	0.4	3044
Utilities	0.9	0.8	0.2	0.0	0.0	0.0	238
Curbing	0.1	0.0	0.0	0.0	0.0	0.0	14
Landscaping	0.2	0.2	0.0	0.0	0.0	0.0	67
Paving	0.2	0.1	0.0	0.0	0.0	0.0	43
Total	**12.5**	**16.3**	**3.1**	**0.5**	**0.1**	**0.5**	**3939**
Year 2 - Emissions (tons/year)							
Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
Finish grading	0.1	0.1	0.0	0.0	0.0	0.0	17
Building	13.5	16.5	3.1	0.6	0.2	0.6	4067
Utilities	1.1	1.1	0.2	0.0	0.0	0.0	318
Curbing	0.3	0.2	0.0	0.0	0.0	0.0	55
Landscaping	0.5	0.5	0.1	0.0	0.0	0.0	135
Paving	0.2	0.1	0.0	0.0	0.0	0.0	43
Total	**15.6**	**18.6**	**3.5**	**0.6**	**0.2**	**0.6**	**4634**
Year 3 - Emissions (tons/year)							
Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
Finish grading	0.0	0.0	0.0	0.0	0.0	0.0	0
Building	13.5	16.5	3.1	0.6	0.2	0.6	4067
Utilities	0.6	0.6	0.1	0.0	0.0	0.0	159
Curbing	0.2	0.1	0.0	0.0	0.0	0.0	41
Landscaping	0.5	0.5	0.1	0.0	0.0	0.0	135
Paving	0.0	0.0	0.0	0.0	0.0	0.0	0
Total	**14.7**	**17.7**	**3.3**	**0.6**	**0.2**	**0.6**	**4402**

World Logistics Center
OFFSITE Construction Annual Summary
Unmitigated

Year 4 - Emissions (tons/year)

Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
Finish grading	0.0	0.0	0.0	0.0	0.0	0.0	0
Building	13.5	16.5	3.1	0.6	0.2	0.6	4067
Utilities	0.0	0.0	0.0	0.0	0.0	0.0	0
Curbing	0.0	0.0	0.0	0.0	0.0	0.0	0
Landscaping	0.5	0.5	0.1	0.0	0.0	0.0	135
Paving	0.0	0.0	0.0	0.0	0.0	0.0	0
Total	**14.0**	**17.0**	**3.2**	**0.6**	**0.2**	**0.6**	**4202**

Phase 2 Duration

			Days			
	Year 5	**Year 6**	**Year 7**	**Year 8**	**Year 9**	**Total**
Mass grading	310	0	0	0	0	310
Finish grading	103	52	0	0	0	155
Building	232	310	310	310	310	1472
Utilities	232	310	155	0	0	697
Curbing	0	103	77	0	0	180
Landscaping	155	310	310	310	310	1395
Paving	0	26	52	0	0	78
Interchange	0	310	155	0	0	465

Unmitigated, Phase 2 (pounds per day)

Emissions	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**	**CO2e**
Mass grading	3.8	11.6	3.3	0.2	0.1	0.2	3058
Finish grading	1.3	1.8	0.5	0.1	0.0	0.1	624
Building	55.7	77.1	19.9	2.5	1.0	2.5	25532
Utilities	4.7	5.3	1.4	0.2	0.1	0.2	2007
Curbing	3.1	2.4	0.6	0.1	0.0	0.1	1060
Landscaping	1.9	2.3	0.6	0.1	0.0	0.1	847
Paving	4.8	4.0	0.9	0.2	0.1	0.2	1652
Interchange	3.2	1.5	0.3	0.1	0.0	0.1	873

Emissions (tons/year)

Year 5	Mass grading	0.6	1.8	0.5	0.0	0.0	0.0	474
	Finish grading	0.1	0.1	0.0	0.0	0.0	0.0	32
	Building	6.5	8.9	2.3	0.3	0.1	0.3	2962
	Utilities	0.5	0.6	0.2	0.0	0.0	0.0	233
	Curbing	0.0	0.0	0.0	0.0	0.0	0.0	0
	Landscaping	0.1	0.2	0.0	0.0	0.0	0.0	66
	Paving	0.0	0.0	0.0	0.0	0.0	0.0	0
	Interchange	0.0	0.0	0.0	0.0	0.0	0.0	0
	Total	**7.8**	**11.6**	**3.0**	**0.4**	**0.1**	**0.4**	**3766**

World Logistics Center
OFFSITE Construction Annual Summary
Unmitigated

Emissions (tons/year)								
Year 6	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Finish grading	0.0	0.0	0.0	0.0	0.0	0.0	16
	Building	8.6	11.9	3.1	0.4	0.2	0.4	3958
	Utilities	0.7	0.8	0.2	0.0	0.0	0.0	311
	Curbing	0.2	0.1	0.0	0.0	0.0	0.0	55
	Landscaping	0.3	0.4	0.1	0.0	0.0	0.0	131
	Paving	0.1	0.1	0.0	0.0	0.0	0.0	21
	Interchange	0.5	0.2	0.0	0.0	0.0	0.0	135
	Total	**10.4**	**13.6**	**3.5**	**0.5**	**0.2**	**0.5**	**4628**
Emissions (tons/year)								
Year 7	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Finish grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Building	8.6	11.9	3.1	0.4	0.2	0.4	3958
	Utilities	0.4	0.4	0.1	0.0	0.0	0.0	156
	Curbing	0.1	0.1	0.0	0.0	0.0	0.0	41
	Landscaping	0.3	0.4	0.1	0.0	0.0	0.0	131
	Paving	0.1	0.1	0.0	0.0	0.0	0.0	43
	Interchange	0.2	0.1	0.0	0.0	0.0	0.0	68
	Total	**9.8**	**13.0**	**3.4**	**0.4**	**0.2**	**0.4**	**4396**
Emissions (tons/year)								
Year 8	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Finish grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Building	8.6	11.9	3.1	0.4	0.2	0.4	3958
	Utilities	0.0	0.0	0.0	0.0	0.0	0.0	0
	Curbing	0.0	0.0	0.0	0.0	0.0	0.0	0
	Landscaping	0.3	0.4	0.1	0.0	0.0	0.0	131
	Paving	0.0	0.0	0.0	0.0	0.0	0.0	0
	Interchange	0.0	0.0	0.0	0.0	0.0	0.0	0
	Total	**8.9**	**12.3**	**3.2**	**0.4**	**0.2**	**0.4**	**4089**
Emissions (tons/year)								
Year 9	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Finish grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Building	8.6	11.9	3.1	0.4	0.2	0.4	3958
	Utilities	0.0	0.0	0.0	0.0	0.0	0.0	0
	Curbing	0.0	0.0	0.0	0.0	0.0	0.0	0
	Landscaping	0.3	0.4	0.1	0.0	0.0	0.0	131
	Paving	0.0	0.0	0.0	0.0	0.0	0.0	0
	Interchange	0.0	0.0	0.0	0.0	0.0	0.0	0
	Total	**8.9**	**12.3**	**3.2**	**0.4**	**0.2**	**0.4**	**4089**

Moreno Highlands World Logistics Center - Construction Phase 1 (Unmitigated)

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	21950	1000sqft
Parking Lot	52.4	Acre

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Mass Grading - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					76.05	0.00	76.05	14.53	0.00	14.53						0.00
Off-Road	425.02	3,749.38	1,621.94	3.77		145.65	145.65		145.65	145.65	0.00	427,915		38		428,709
Total	**425.02**	**3,749.38**	**1,621.94**	**3.77**	**76.05**	**145.65**	**221.70**	**14.53**	**145.65**	**160.18**	**0.00**	**427,915**		**38**		**428,709**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.33	4.65	1.97	0.01	0.32	0.17	0.48	0.02	0.17	0.19		883.79		0.02		884.12
Worker	0.89	1.19	13.98	0.02	2.93	0.10	3.03	0.11	0.10	0.21		2,334.72		0.13		2,337.45
Total	**1.22**	**5.84**	**15.95**	**0.03**	**3.25**	**0.27**	**3.51**	**0.13**	**0.27**	**0.40**		**3,218.51**		**0.15**		**3,221.57**

3.3 Finish Grading - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.29	0.00	8.29	2.42	0.00	2.42						0.00
Off-Road	28.81	248.70	100.73	0.28		9.82	9.82		9.82	9.82	0.00	30,678.56		2.56		30,732.38
Total	**28.81**	**248.70**	**100.73**	**0.28**	**8.29**	**9.82**	**18.11**	**2.42**	**9.82**	**12.24**	**0.00**	**30,678.56**		**2.56**		**30,732.38**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.13	1.86	0.79	0.00	0.13	0.07	0.19	0.01	0.07	0.08		353.52		0.01		353.65
Worker	0.11	0.15	1.73	0.00	0.36	0.01	0.37	0.01	0.01	0.03		288.83		0.02		289.17
Total	**0.24**	**2.01**	**2.52**	**0.00**	**0.49**	**0.08**	**0.56**	**0.02**	**0.08**	**0.11**		**642.35**		**0.03**		**642.82**

3.4 Building - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	162.70	1,088.06	743.91	1.35		76.58	76.58		76.58	76.58	0.00	128,463		15		128,768
Total	**162.70**	**1,088.06**	**743.91**	**1.35**		**76.58**	**76.58**		**76.58**	**76.58**	**0.00**	**128,463**		**15**		**128,768**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.62	43.94	18.98	0.07	2.28	1.81	4.09	0.25	1.81	2.05		7,116.30		0.17		7,119.97
Vendor	2.62	37.20	15.73	0.07	2.52	1.35	3.87	0.19	1.35	1.54		7,070.33		0.13		7,072.98
Worker	4.59	6.11	72.04	0.12	15.11	0.51	15.62	0.56	0.51	1.08		12,034.61		0.67		12,048.69
Total	**10.83**	**87.25**	**106.75**	**0.26**	**19.91**	**3.67**	**23.58**	**1.00**	**3.67**	**4.67**		**26,221.24**		**0.97**		**26,241.64**

3.5 Utilities - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	47.79	402.97	157.66	0.54		16.62	16.62		16.62	16.62	0.00	55,227.44		4.26		55,316.94
Total	**47.79**	**402.97**	**157.66**	**0.54**	**0.00**	**16.62**	**16.62**	**0.00**	**16.62**	**16.62**	**0.00**	**55,227.44**		**4.26**		**55,316.94**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.49	6.98	2.95	0.01	0.47	0.25	0.73	0.04	0.25	0.29		1,325.69		0.02		1,326.18
Worker	0.28	0.37	4.32	0.01	0.91	0.03	0.94	0.03	0.03	0.06		722.08		0.04		722.92
Total	**0.77**	**7.35**	**7.27**	**0.02**	**1.38**	**0.28**	**1.67**	**0.07**	**0.28**	**0.35**		**2,047.77**		**0.06**		**2,049.10**

3.6 Curbing - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.16	0.00	1.16	0.00	0.00	0.00						0.00
Off-Road	5.31	40.81	22.97	0.05		2.27	2.27		2.27	2.27	0.00	5,183.12		0.47		5,193.08
Total	**5.31**	**40.81**	**22.97**	**0.05**	**1.16**	**2.27**	**3.43**	**0.00**	**2.27**	**2.27**	**0.00**	**5,183.12**		**0.47**		**5,193.08**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.21	2.51	1.08	0.00	0.13	0.10	0.23	0.01	0.10	0.12		406.65		0.01		406.86
Vendor	0.16	2.33	0.98	0.00	0.16	0.08	0.24	0.01	0.08	0.10		441.90		0.01		442.06
Worker	0.08	0.11	1.30	0.00	0.27	0.01	0.28	0.01	0.01	0.02		216.62		0.01		216.88
Total	**0.45**	**4.95**	**3.36**	**0.00**	**0.56**	**0.19**	**0.75**	**0.03**	**0.19**	**0.24**		**1,065.17**		**0.03**		**1,065.80**

3.7 Landscaping - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	21.36	152.66	80.24	0.17		9.53	9.53		9.53	9.53	0.00	17,934.49		1.91		17,974.56
Total	**21.36**	**152.66**	**80.24**	**0.17**		**9.53**	**9.53**		**9.53**	**9.53**	**0.00**	**17,934.49**		**1.91**		**17,974.56**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.20	2.79	1.18	0.01	0.19	0.10	0.29	0.01	0.10	0.12		530.27		0.01		530.47
Worker	0.13	0.17	2.02	0.00	0.42	0.01	0.44	0.02	0.01	0.03		336.97		0.02		337.36
Total	**0.33**	**2.96**	**3.20**	**0.01**	**0.61**	**0.11**	**0.73**	**0.03**	**0.11**	**0.15**		**867.24**		**0.03**		**867.83**

3.8 Paving equipment and dust - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.32	0.00	2.32	0.00	0.00	0.00						0.00
Off-Road	33.59	289.69	119.17	0.33		12.07	12.07		12.07	12.07	0.00	34,811.16		2.99		34,873.99
Total	**33.59**	**289.69**	**119.17**	**0.33**	**2.32**	**12.07**	**14.39**	**0.00**	**12.07**	**12.07**	**0.00**	**34,811.16**		**2.99**		**34,873.99**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.41	5.02	2.17	0.01	0.26	0.21	0.47	0.03	0.21	0.23		813.29		0.02		813.71
Vendor	0.16	2.33	0.98	0.00	0.16	0.08	0.24	0.01	0.08	0.10		441.90		0.01		442.06
Worker	0.16	0.21	2.45	0.00	0.51	0.02	0.53	0.02	0.02	0.04		409.18		0.02		409.66
Total	**0.73**	**7.56**	**5.60**	**0.01**	**0.93**	**0.31**	**1.24**	**0.06**	**0.31**	**0.37**		**1,664.37**		**0.05**		**1,665.43**

3.9 Paving VOC - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Paving	11.44					0.00	0.00		0.00	0.00						0.00
Total	**11.44**					**0.00**	**0.00**		**0.00**	**0.00**						**0.00**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Total					**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**						**0.00**

Moreno Highlands World Logistics Center - Construction Phase 2 (Unmitigated)

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	19700	1000sqft
Parking Lot	71.2	Acre

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Mass Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					76.05	0.00	76.05	14.53	0.00	14.53						0.00
Off-Road	346.22	2,696.41	1,288.78	3.77		102.90	102.90		102.90	102.90	0.00	427,914.75		31.00		428,565.85
Total	**346.22**	**2,696.41**	**1,288.78**	**3.77**	**76.05**	**102.90**	**178.95**	**14.53**	**102.90**	**117.43**	**0.00**	**427,914.75**		**31.00**		**428,565.85**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.23	2.96	1.43	0.01	0.32	0.11	0.43	0.02	0.11	0.13		890.62		0.01		890.85
Worker	0.65	0.81	10.12	0.02	2.93	0.11	3.04	0.11	0.11	0.22		2,165.20		0.10		2,167.29
Total	**0.88**	**3.77**	**11.55**	**0.03**	**3.25**	**0.22**	**3.47**	**0.13**	**0.22**	**0.35**		**3,055.82**		**0.11**		**3,058.14**

3.3 Finish Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.29	0.00	8.29	2.42	0.00	2.42						0.00
Off-Road	23.21	172.08	84.42	0.28		6.64	6.64		6.64	6.64	0.00	30,678.53		2.08		30,722.21
Total	**23.21**	**172.08**	**84.42**	**0.28**	**8.29**	**6.64**	**14.93**	**2.42**	**6.64**	**9.06**	**0.00**	**30,678.53**		**2.08**		**30,722.21**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.09	1.18	0.57	0.00	0.13	0.04	0.17	0.01	0.04	0.05		356.25		0.00		356.34
Worker	0.08	0.10	1.25	0.00	0.36	0.01	0.38	0.01	0.01	0.03		267.86		0.01		268.12
Total	**0.17**	**1.28**	**1.82**	**0.00**	**0.49**	**0.05**	**0.55**	**0.02**	**0.05**	**0.08**		**624.11**		**0.01**		**624.46**

3.4 Building - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	114.04	776.97	718.08	1.35		46.99	46.99		46.99	46.99	0.00	128,462.98		10.17		128,676.49
Total	**114.04**	**776.97**	**718.08**	**1.35**		**46.99**	**46.99**		**46.99**	**46.99**	**0.00**	**128,462.98**		**10.17**		**128,676.49**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.42	27.84	13.44	0.07	2.28	1.06	3.34	0.25	1.06	1.31		7,231.62		0.12		7,234.10
Vendor	1.80	23.67	11.47	0.07	2.52	0.88	3.40	0.19	0.88	1.08		7,124.97		0.09		7,126.81
Worker	3.35	4.15	52.16	0.12	15.11	0.55	15.66	0.56	0.55	1.11		11,160.81		0.51		11,171.57
Total	**7.57**	**55.66**	**77.07**	**0.26**	**19.91**	**2.49**	**22.40**	**1.00**	**2.49**	**3.50**		**25,517.40**		**0.72**		**25,532.48**

3.5 Utilities - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	37.36	256.62	145.81	0.54		10.14	10.14		10.14	10.14	0.00	55,227.48		3.36		55,298.08
Total	**37.36**	**256.62**	**145.81**	**0.54**	**0.00**	**10.14**	**10.14**	**0.00**	**10.14**	**10.14**	**0.00**	**55,227.48**		**3.36**		**55,298.08**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.34	4.44	2.15	0.01	0.47	0.17	0.64	0.04	0.17	0.20		1,335.93		0.02		1,336.28
Worker	0.20	0.25	3.13	0.01	0.91	0.03	0.94	0.03	0.03	0.07		669.65		0.03		670.29
Total	**0.54**	**4.69**	**5.28**	**0.02**	**1.38**	**0.20**	**1.58**	**0.07**	**0.20**	**0.27**		**2,005.58**		**0.05**		**2,006.57**

3.6 Curbing - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.16	0.00	1.16	0.00	0.00	0.00						0.00
Off-Road	4.07	28.58	21.45	0.05		1.39	1.39		1.39	1.39	0.00	5,183.12		0.36		5,190.76
Total	**4.07**	**28.58**	**21.45**	**0.05**	**1.16**	**1.39**	**2.55**	**0.00**	**1.39**	**1.39**	**0.00**	**5,183.12**		**0.36**		**5,190.76**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.14	1.59	0.77	0.00	0.13	0.06	0.19	0.01	0.06	0.07		413.24		0.01		413.38
Vendor	0.11	1.48	0.72	0.00	0.16	0.06	0.21	0.01	0.06	0.07		445.31		0.01		445.43
Worker	0.06	0.07	0.94	0.00	0.27	0.01	0.28	0.01	0.01	0.02		200.89		0.01		201.09
Total	**0.31**	**3.14**	**2.43**	**0.00**	**0.56**	**0.13**	**0.68**	**0.03**	**0.13**	**0.16**		**1,059.44**		**0.03**		**1,059.90**

3.7 Landscaping - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	16.46	106.98	76.00	0.17		6.36	6.36		6.36	6.36	0.00	17,934.49		1.48		17,965.54
Total	**16.46**	**106.98**	**76.00**	**0.17**		**6.36**	**6.36**		**6.36**	**6.36**	**0.00**	**17,934.49**		**1.48**		**17,965.54**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.14	1.77	0.86	0.01	0.19	0.07	0.26	0.01	0.07	0.08		534.37		0.01		534.51
Worker	0.09	0.12	1.46	0.00	0.42	0.02	0.44	0.02	0.02	0.03		312.50		0.01		312.80
Total	**0.23**	**1.89**	**2.32**	**0.01**	**0.61**	**0.09**	**0.70**	**0.03**	**0.09**	**0.11**		**846.87**		**0.02**		**847.31**

3.8 Paving equipment and dust - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.32	0.00	2.32	0.00	0.00	0.00						0.00
Off-Road	26.84	201.15	104.18	0.33		8.17	8.17		8.17	8.17	0.00	34,811.14		2.40		34,861.61
Total	**26.84**	**201.15**	**104.18**	**0.33**	**2.32**	**8.17**	**10.49**	**0.00**	**8.17**	**8.17**	**0.00**	**34,811.14**		**2.40**		**34,861.61**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.28	3.18	1.54	0.01	0.26	0.12	0.38	0.03	0.12	0.15		826.47		0.01		826.75
Vendor	0.11	1.48	0.72	0.00	0.16	0.06	0.21	0.01	0.06	0.07		445.31		0.01		445.43
Worker	0.11	0.14	1.77	0.00	0.51	0.02	0.53	0.02	0.02	0.04		379.47		0.02		379.83
Total	**0.50**	**4.80**	**4.03**	**0.01**	**0.93**	**0.20**	**1.12**	**0.06**	**0.20**	**0.26**		**1,651.25**		**0.04**		**1,652.01**

3.9 Paving VOC - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Paving	15.55					0.00	0.00		0.00	0.00						0.00
Total	**15.55**					**0.00**	**0.00**		**0.00**	**0.00**						**0.00**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Total					**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**						**0.00**

3.10 Interchange - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.13	0.00	7.13	2.42	0.00	2.42						0.00
Off-Road	21.25	164.35	89.54	0.26		6.53	6.53		6.53	6.53	0.00	27,675.50		1.90		27,715.30
Total	**21.25**	**164.35**	**89.54**	**0.26**	**7.13**	**6.53**	**13.66**	**2.42**	**6.53**	**8.95**	**0.00**	**27,675.50**		**1.90**		**27,715.30**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.17	1.99	0.96	0.00	0.16	0.08	0.24	0.02	0.08	0.09		516.54		0.01		516.72
Vendor	0.09	1.18	0.57	0.00	0.13	0.04	0.17	0.01	0.04	0.05		356.25		0.00		356.34
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Total	**0.26**	**3.17**	**1.53**	**0.00**	**0.29**	**0.12**	**0.41**	**0.03**	**0.12**	**0.14**		**872.79**		**0.01**		**873.06**

World Logistics Center
Daily Construction Emissions Summary (On and Offsite)
Mitigated: Phase 1 Tier 3, Phase 2 Tier 4, 10 hours/day, 30 scrapers during grading
Emissions from CalEEMod
Prepared by Michael Brandman Associates
29-Oct

Mitigated Daily Emissions (Maximum)

Year	VOC	NOx	CO	Dust PM10	Exhaust PM10	Dust PM2.5	Exhaust PM2.5
1	260	1594	1716	68	101	13	101
2	350	1709	1834	71	108	13	108
3	219	860	974	26	59	1	59
4	160	547	650	21	40	1	40
5	97	1034	10235	66	15	13	15
6	179	1173	11290	72	17	14	17
7	133	685	3297	31	12	3	12
8	95	433	1377	21	9	1	9
9	95	433	1377	21	9	1	9

Year	VOC	NOx	CO	PM10 total	PM2.5 total
1	260	1594	1716	169	114
2	350	1709	1834	179	121
3	219	860	974	85	60
4	160	547	650	61	41
5	97	1034	10235	81	27
6	179	1173	11290	88	31
7	133	685	3297	42	14
8	95	433	1377	29	10
9	95	433	1377	29	10

World Logistics Center
Annual Construction Emissions Summary (On and Offsite)
Mitigated: Phase 1 Tier 3, Phase 2 Tier 4, 10 hours/day, 30 scrapers during grading
Emissions from CalEEMod
Prepared by Michael Brandman Associates
29-Oct

Mitigated Annual Emissions (Maximum, tons per year)

Year	NOx	CO	Dust PM10	Exhaust PM10	Dust PM2.5	Exhaust PM2.5	CO2e
1	206	221	8.9	12.9	1.7	12.9	45,086
2	235	254	9.7	15.0	1.7	15.0	51,242
3	99	116	3.3	7.1	0.2	7.1	21,106
4	85	101	3.2	6.2	0.2	6.2	17,914
5	132	1417	8.8	1.8	1.7	1.8	44,248
6	163	1578	10.3	2.4	2.0	2.4	53,752
7	82	331	3.8	1.5	0.3	1.5	23,126
8	67	213	3.2	1.3	0.2	1.3	17,792
9	67	213	3.2	1.3	0.2	1.3	17,792
Total	**1137**	**4444**	**54.3**	**49.5**	**8.1**	**49.5**	**292058**

Year	NOx	CO	PM10	PM2.5	CO2e
1	206	221	21.8	14.6	45086
2	235	254	24.6	16.7	51242
3	99	116	10.4	7.2	21106
4	85	101	9.4	6.4	17914
5	132	1417	10.6	3.6	44248
6	163	1578	12.7	4.4	53752
7	82	331	5.3	1.8	23126
8	67	213	4.5	1.5	17792
9	67	213	4.5	1.5	17792
Total	**1137**	**4444**	**103.8**	**57.7**	**292058**
			Averaged over 30 years		9,735

World Logistics Center
ONSITE Daily Construction Emissions Summary
Mitigated: Phase 1 Tier 3, Phase 2 Tier 4, 10 hours/day, 30 scrapers during grading
Emissions from CalEEMod (except Painting)
Prepared by Michael Brandman Associates
29-Oct

Year	Activity	VOC	NOx	CO	Dust PM10	Exhaust PM10	Dust PM2.5	Exhaust PM2.5	CO2e
Phase 1	Mass grading	114.87	746.69	746.69	35.19	43.08	9.68	43.08	163,641
All	Finish grading	14.51	94.04	94.85	5.54	5.57	1.61	5.57	20,488
	Building	67.81	392.02	475.17	0.00	32.08	0.00	32.08	76,484
	Utilities	25.91	168.45	176.60	0.00	10.24	0.00	10.24	36,878
	Curbing	2.77	17.39	18.57	0.79	1.25	0.00	1.25	3,462
	Landscaping	19.81	65.19	65.15	0.00	4.19	0.00	4.19	11,983
	Painting	61.5							
	Paving	27.95	107.04	112.07	2.07	6.67	0.00	6.67	23,249
Year 1	Mass grading	114.9	746.7	746.7	35.2	43.1	9.7	43.1	163641
	Finish grading	14.5	94.0	94.9	5.5	5.6	1.6	5.6	20488
	Building	67.8	392.0	475.2	0.0	32.1	0.0	32.1	76484
	Utilities	25.9	168.5	176.6	0.0	10.2	0.0	10.2	36878
	Curbing	2.8	17.4	18.6	0.8	1.3	0.0	1.3	3462
	Landscaping	19.8	65.2	65.2	0.0	4.2	0.0	4.2	11983
	Total	*245.7*	*1483.8*	*1577.0*	*41.5*	*96.4*	*11.3*	*96.4*	*312937*
Year 2	Mass grading	114.9	746.7	746.7	35.2	43.1	9.7	43.1	163641.5
	Finish grading	14.5	94.0	94.9	5.5	5.6	1.6	5.6	20488
	Building	67.8	392.0	475.2	0.0	32.1	0.0	32.1	76484
	Utilities	25.9	168.5	176.6	0.0	10.2	0.0	10.2	36878
	Curbing	2.8	17.4	18.6	0.8	1.3	0.0	1.3	3462
	Landscaping	19.8	65.2	65.2	0.0	4.2	0.0	4.2	11983
	Painting	61.5							
	Paving	28.0	107.0	112.1	2.1	6.7	0.0	6.7	23249
	Total	*335.1*	*1590.8*	*1689.1*	*43.6*	*103.1*	*11.3*	*103.1*	*336186*
Year 3	Building	67.8	392.0	475.2	0.0	32.1	0.0	32.1	76484
	Utilities	25.9	168.5	176.6	0.0	10.2	0.0	10.2	36878
	Curbing	2.8	17.4	18.6	0.8	1.3	0.0	1.3	3462
	Landscaping	19.8	65.2	65.2	0.0	4.2	0.0	4.2	11983
	Painting	61.5							
	Paving	28.0	107.0	112.1	2.1	6.7	0.0	6.7	23249
	Total	*205.8*	*750.1*	*847.6*	*2.9*	*54.4*	*0.0*	*54.4*	*152057*
Year 4	Building	67.8	392.0	475.2	0.0	32.1	0.0	32.1	76484
	Painting	61.5							
	Landscaping	19.8	65.2	65.2	0.0	4.2	0.0	4.2	11983
	Total	*149.1*	*457.2*	*540.3*	*0.0*	*36.3*	*0.0*	*36.3*	*88467*

World Logistics Center
ONSITE Daily Construction Emissions Summary
Mitigated: Phase 1 Tier 3, Phase 2 Tier 4, 10 hours/day, 30 scrapers during grading

Year	Activity	VOC	NOx	CO**	Dust PM10	Exhaust PM10	Dust PM2.5	Exhaust PM2.5	CO2e
Phase 2	Mass grading	40.36	431.72	7,304.80	35.19	4.34	9.68	4.34	163,587
All	Finish grading	5.04	55.15	686.10	5.54	0.54	1.61	0.54	20,481
	Building	28.17	332.08	1,008.42	0.00	4.78	0.00	4.78	76,432
	Utilities	9.07	104.59	848.19	0.00	0.97	0.00	0.97	36,865
	Curbing	1.08	12.45	18.57	0.79	0.16	0.00	0.16	3,461
	Landscaping	4.59	43.34	289.02	0.00	1.25	0.00	1.25	11,977
	Painting	54.8							
	Paving	21.27	66.61	580.85	2.07	0.61	0.00	0.61	23,241
	Interchange	4.74	52.23	459.28	4.22	0.58	1.61	0.58	18,477
Year 5	Mass grading	40.4	431.7	7304.8	35.2	4.3	9.7	4.3	163587
	Finish grading	5.0	55.2	686.1	5.5	0.5	1.6	0.5	20481
	Building	28.2	332.1	1008.4	0.0	4.8	0.0	4.8	76432
	Utilities	9.1	104.6	848.2	0.0	1.0	0.0	1.0	36865
	Landscaping	4.6	43.3	289.0	0.0	1.3	0.0	1.3	11977
	Total	*87.2*	*966.9*	*10136.5*	*40.7*	*11.9*	*11.3*	*11.9*	*309342*
Year 6	Mass grading	40.4	431.7	7304.8	35.2	4.3	9.7	4.3	163587
	Finish grading	5.0	55.2	686.1	5.5	0.5	1.6	0.5	20481
	Building	28.2	332.1	1008.4	0.0	4.8	0.0	4.8	76432
	Utilities	9.1	104.6	848.2	0.0	1.0	0.0	1.0	36865
	Curbing	1.1	12.5	18.6	0.8	0.2	0.0	0.2	3461
	Landscaping	4.6	43.3	289.0	0.0	1.3	0.0	1.3	11977
	Painting	54.8							
	Paving	21.3	66.6	580.9	2.1	0.6	0.0	0.6	23241
	Interchange	4.7	52.2	459.3	4.2	0.6	1.6	0.6	18477
	Total	*169.1*	*1098.2*	*11195.2*	*47.8*	*13.2*	*12.9*	*13.2*	*354521*
Year 7	Building	28.2	332.1	1008.4	0.0	4.8	0.0	4.8	76432
	Utilities	9.1	104.6	848.2	0.0	1.0	0.0	1.0	36865
	Curbing	1.1	12.5	18.6	0.8	0.2	0.0	0.2	3461
	Landscaping	4.6	43.3	289.0	0.0	1.3	0.0	1.3	11977
	Painting	54.8							
	Paving	21.3	66.6	580.9	2.1	0.6	0.0	0.6	23241
	Interchange	4.7	52.2	459.3	4.2	0.6	1.6	0.6	18477
	Total	*123.7*	*611.3*	*3204.3*	*7.1*	*8.4*	*1.6*	*8.4*	*170452*
Year 8	Building	28.2	332.1	1008.4	0.0	4.8	0.0	4.8	76432
	Painting	54.8							
	Landscaping	4.6	43.3	289.0	0.0	1.3	0.0	1.3	11977
	Total	*87.6*	*375.4*	*1297.4*	*0.0*	*6.0*	*0.0*	*6.0*	*88409*
Year 9	Building	28.2	332.1	1008.4	0.0	4.8	0.0	4.8	76432
	Painting	54.8							
	Landscaping	4.6	43.3	289.0	0.0	1.3	0.0	1.3	11977
	Total	*87.6*	*375.4*	*1297.4*	*0.0*	*6.0*	*0.0*	*6.0*	*88409*

Notes: The total refers to the maximum emissions on any one day during the year. These emissions would not occur throughout the entire year, as shown in the schedule, there are periods where fewer emissions would occur because there would not be as many overlapping phases.

World Logistics Center
ONSITE Construction Annual Summary
Mitigated: Phase 1 Tier 3, Phase 2 Tier 4, 10 hours/day, 30 scrapers during grading
Prepared by Michael Brandman Associates
29-Oct

Phase 1

Duration (days)	2013	2014	2015	2016
Mass grading	310	310	0	0
Finish grading	103	52	0	0
Building	232	310	310	310
Utilities	232	310	155	0
Curbing	26	103	77	0
Landscaping	155	310	310	310
Paving	52	52	0	0

Phase 1 (pounds/day)

Emissions	NOx	CO	Dust PM10	Exhaust PM10	Dust PM2.5	Exhaust PM2.5	CO2e
Mass grading	746.7	746.7	35.2	43.1	9.7	43.1	163641
Finish grading	94.0	94.9	5.5	5.6	1.6	5.6	20488
Building	392.0	475.2	0.0	32.1	0.0	32.1	76484
Utilities	168.5	176.6	0.0	10.2	0.0	10.2	36878
Curbing	17.4	18.6	0.8	1.3	0.0	1.3	3462
Landscaping	65.2	65.2	0.0	4.2	0.0	4.2	11983
Paving	107.0	112.1	2.1	6.7	0.0	6.7	23249
Year 1 - Emissions (tons/year)							
Mass grading	115.7	115.7	5.5	6.7	1.5	6.7	25364
Finish grading	4.8	4.9	0.3	0.3	0.1	0.3	1055
Building	45.5	55.1	0.0	3.7	0.0	3.7	8872
Utilities	19.5	20.5	0.0	1.2	0.0	1.2	4278
Curbing	0.2	0.2	0.0	0.0	0.0	0.0	45
Landscaping	5.1	5.0	0.0	0.3	0.0	0.3	929
Paving	2.8	2.9	0.1	0.2	0.0	0.2	604
Total	**193.7**	**204.4**	**5.8**	**12.4**	**1.6**	**12.4**	**41148**
Year 2 - Emissions (tons/year)							
Mass grading	115.7	115.7	5.5	6.7	1.5	6.7	25364
Finish grading	2.4	2.5	0.1	0.1	0.0	0.1	533
Building	60.8	73.7	0.0	5.0	0.0	5.0	11855
Utilities	26.1	27.4	0.0	1.6	0.0	1.6	5716
Curbing	0.9	1.0	0.0	0.1	0.0	0.1	178
Landscaping	10.1	10.1	0.0	0.6	0.0	0.6	1857
Paving	2.8	2.9	0.1	0.2	0.0	0.2	604
Total	**218.8**	**233.2**	**5.7**	**14.3**	**1.5**	**14.3**	**46108**
Year 3 - Emissions (tons/year)							
Building	60.8	73.7	0.0	5.0	0.0	5.0	11855
Utilities	13.1	13.7	0.0	0.8	0.0	0.8	2858
Curbing	0.7	0.7	0.0	0.0	0.0	0.0	133
Landscaping	10.1	10.1	0.0	0.6	0.0	0.6	1857
Total	**84.6**	**98.2**	**0.0**	**6.5**	**0.0**	**6.5**	**16704**

World Logistics Center
ONSITE Construction Annual Summary
Mitigated: Phase 1 Tier 3, Phase 2 Tier 4, 10 hours/day, 30 scrapers during grading

Year 4 - Emissions (tons/year)

Building	60.8	73.7	0.0	5.0	0.0	5.0	11855
Landscaping	10.1	10.1	0.0	0.6	0.0	0.6	1857
Total	**70.9**	**83.7**	**0.0**	**5.6**	**0.0**	**5.6**	**13712**

Phase 2

Duration (days)	**2017**	**2018**	**2019**	**2020**	**2021**
Mass grading	310	310	0	0	0
Finish grading	103	52	0	0	0
Building	232	310	310	310	310
Utilities	232	310	155	0	0
Curbing	0	103	77	0	0
Landscaping	155	310	310	310	310
Paving	0	26	52	0	0
Interchange	0	310	155	0	0

Phase 2 (pounds per day)

Emissions	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**	**CO2e**
Mass grading	431.7	7304.8	35.2	4.3	9.7	4.3	163587
Finish grading	55.2	686.1	5.5	0.5	1.6	0.5	20481
Building	332.1	1008.4	0.0	4.8	0.0	4.8	76432
Utilities	104.6	848.2	0.0	1.0	0.0	1.0	36865
Curbing	12.5	18.6	0.8	0.2	0.0	0.2	3461
Landscaping	43.3	289.0	0.0	1.3	0.0	1.3	11977
Paving	66.6	580.9	2.1	0.6	0.0	0.6	23241
Interchange	52.2	459.3	4.2	0.6	1.6	0.6	18477

Emissions (tons/year)

Year 5	Mass grading	66.9	1132.2	5.5	0.7	1.5	0.7	25356
	Finish grading	2.8	35.3	0.3	0.0	0.1	0.0	1055
	Building	38.5	117.0	0.0	0.6	0.0	0.6	8866
	Utilities	12.1	98.4	0.0	0.1	0.0	0.1	4276
	Curbing	0.0	0.0	0.0	0.0	0.0	0.0	0
	Landscaping	3.4	22.4	0.0	0.1	0.0	0.1	928
	Paving	0.0	0.0	0.0	0.0	0.0	0.0	0
	Interchange	0.0	0.0	0.0	0.0	0.0	0.0	0
	Total	**123.8**	**1405.3**	**5.7**	**1.5**	**1.6**	**1.5**	**40481**

Emissions (tons/year)

Year 6	Mass grading	66.9	1132.2	5.5	0.7	1.5	0.7	25356
	Finish grading	1.4	17.8	0.1	0.0	0.0	0.0	533
	Building	51.5	156.3	0.0	0.7	0.0	0.7	11847
	Utilities	16.2	131.5	0.0	0.2	0.0	0.2	5714
	Curbing	0.6	1.0	0.0	0.0	0.0	0.0	178
	Landscaping	6.7	44.8	0.0	0.2	0.0	0.2	1856
	Paving	0.9	7.6	0.0	0.0	0.0	0.0	302
	Interchange	8.1	71.2	0.7	0.1	0.2	0.1	2864
	Total	**152.4**	**1562.4**	**6.3**	**1.9**	**1.8**	**1.9**	**48650**

World Logistics Center
ONSITE Construction Annual Summary
Mitigated: Phase 1 Tier 3, Phase 2 Tier 4, 10 hours/day, 30 scrapers during grading

Emissions (tons/year)								
Year 7	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Finish grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Building	51.5	156.3	0.0	0.7	0.0	0.7	11847
	Utilities	8.1	65.7	0.0	0.1	0.0	0.1	2857
	Curbing	0.5	0.7	0.0	0.0	0.0	0.0	133
	Landscaping	6.7	44.8	0.0	0.2	0.0	0.2	1856
	Paving	1.7	15.1	0.1	0.0	0.0	0.0	604
	Interchange	4.0	35.6	0.3	0.0	0.1	0.0	1432
	Total	**72.6**	**318.2**	**0.4**	**1.1**	**0.1**	**1.1**	**18730**
Emissions (tons/year)								
Year 8	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Building	51.5	156.3	0.0	0.7	0.0	0.7	11847
	Landscaping	6.7	44.8	0.0	0.2	0.0	0.2	1856
	Total	**58.2**	**201.1**	**0.0**	**0.9**	**0.0**	**0.9**	**13703**
Emissions (tons/year)								
Year 9	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Building	51.5	156.3	0.0	0.7	0.0	0.7	11847
	Landscaping	6.7	44.8	0.0	0.2	0.0	0.2	1856
	Total	**58.2**	**201.1**	**0.0**	**0.9**	**0.0**	**0.9**	**13703**

World Logistics Center
OFFSITE Daily Construction Emissions Summary
(same as unmitigated version)
Emissions from CalEEMod
Prepared by Michael Brandman Associates
29-Oct

Year	Activity	VOC	NOx	CO	Dust PM10	Exhaust PM10	Dust PM2.5	Exhaust PM2.5	CO2e
Phase 1	Mass grading	1.2	5.8	16.0	3.3	0.3	0.1	0.3	3222
All	Finish grading	0.2	2.0	2.5	0.5	0.1	0.0	0.1	643
	Building	10.8	87.3	106.8	19.9	3.7	1.0	3.7	26242
	Utilities	0.8	7.4	7.3	1.4	0.3	0.1	0.3	2049
	Curbing	0.5	5.0	3.4	0.6	0.2	0.0	0.2	1066
	Landscaping	0.3	3.0	3.2	0.6	0.1	0.0	0.1	868
	Paving	0.7	7.6	5.6	0.9	0.3	0.1	0.3	1665
Year 1	Mass grading	1.2	5.8	16.0	3.3	0.3	0.1	0.3	3222
	Finish grading	0.2	2.0	2.5	0.5	0.1	0.0	0.1	643
	Building	10.8	87.3	106.8	19.9	3.7	1.0	3.7	26242
	Utilities	0.8	7.4	7.3	1.4	0.3	0.1	0.3	2049
	Curbing	0.5	5.0	3.4	0.6	0.2	0.0	0.2	1066
	Landscaping	0.3	3.0	3.2	0.6	0.1	0.0	0.1	868
	Total	*13.8*	*110.4*	*139.1*	*26.2*	*4.6*	*1.3*	*4.6*	*34089*
Year 2	Mass grading	1.2	5.8	16.0	3.3	0.3	0.1	0.3	3222
	Finish grading	0.2	2.0	2.5	0.5	0.1	0.0	0.1	643
	Building	10.8	87.3	106.8	19.9	3.7	1.0	3.7	26242
	Utilities	0.8	7.4	7.3	1.4	0.3	0.1	0.3	2049
	Curbing	0.5	5.0	3.4	0.6	0.2	0.0	0.2	1066
	Landscaping	0.3	3.0	3.2	0.6	0.1	0.0	0.1	868
	Paving	0.7	7.6	5.6	0.9	0.3	0.1	0.3	1665
	Total	*14.6*	*117.9*	*144.7*	*27.1*	*4.9*	*1.3*	*4.9*	*35754*
Year 3	Building	10.8	87.3	106.8	19.9	3.7	1.0	3.7	26242
	Utilities	0.8	7.4	7.3	1.4	0.3	0.1	0.3	2049
	Curbing	0.5	5.0	3.4	0.6	0.2	0.0	0.2	1066
	Landscaping	0.3	3.0	3.2	0.6	0.1	0.0	0.1	868
	Paving	0.7	7.6	5.6	0.9	0.3	0.1	0.3	1665
	Total	*13.1*	*110.1*	*126.2*	*23.4*	*4.6*	*1.2*	*4.6*	*31890*
Year 4	Building	10.8	87.3	106.8	19.9	3.7	1.0	3.7	26242
	Landscaping	0.3	3.0	3.2	0.6	0.1	0.0	0.1	868
	Total	*11.2*	*90.2*	*110.0*	*20.5*	*3.8*	*1.0*	*3.8*	*27109*

World Logistics Center
OFFSITE Daily Construction Emissions Summary
(same as unmitigated version)

Year	Activity		NOx	CO	Dust PM10	Exhaust PM10	Dust PM2.5	Exhaust PM2.5	CO2e
Phase 2	Mass grading	0.9	3.8	11.6	3.3	0.2	0.1	0.2	3058
All	Finish grading	0.2	1.3	1.8	0.5	0.1	0.0	0.1	624
	Building	7.6	55.7	77.1	19.9	2.5	1.0	2.5	25532
	Utilities	0.5	4.7	5.3	1.4	0.2	0.1	0.2	2007
	Curbing	0.3	3.1	2.4	0.6	0.1	0.0	0.1	1060
	Landscaping	0.2	1.9	2.3	0.6	0.1	0.0	0.1	847
	Paving	0.5	4.8	4.0	0.9	0.2	0.1	0.2	1652
	Interchange	0.3	3.2	1.5	0.3	0.1	0.0	0.1	873
Year 5	Mass grading	0.9	3.8	11.6	3.3	0.2	0.1	0.2	3058
	Finish grading	0.2	1.3	1.8	0.5	0.1	0.0	0.1	624
	Building	7.6	55.7	77.1	19.9	2.5	1.0	2.5	25532
	Utilities	0.5	4.7	5.3	1.4	0.2	0.1	0.2	2007
	Landscaping	0.2	1.9	2.3	0.6	0.1	0.0	0.1	847
	Total	*9.4*	*67.3*	*98.0*	*25.6*	*3.1*	*1.3*	*3.1*	*32069*
Year 6	Finish grading	0.2	1.3	1.8	0.5	0.1	0.0	0.1	624
	Building	7.6	55.7	77.1	19.9	2.5	1.0	2.5	25532
	Utilities	0.5	4.7	5.3	1.4	0.2	0.1	0.2	2007
	Curbing	0.3	3.1	2.4	0.6	0.1	0.0	0.1	1060
	Landscaping	0.2	1.9	2.3	0.6	0.1	0.0	0.1	847
	Paving	0.5	4.8	4.0	0.9	0.2	0.1	0.2	1652
	Interchange	0.3	3.2	1.5	0.3	0.1	0.0	0.1	873
	Total	*9.6*	*74.6*	*94.5*	*24.2*	*3.3*	*1.2*	*3.3*	*32596*
Year 7	Building	7.6	55.7	77.1	19.9	2.5	1.0	2.5	25532
	Utilities	0.5	4.7	5.3	1.4	0.2	0.1	0.2	2007
	Curbing	0.3	3.1	2.4	0.6	0.1	0.0	0.1	1060
	Landscaping	0.2	1.9	2.3	0.6	0.1	0.0	0.1	847
	Paving	0.5	4.8	4.0	0.9	0.2	0.1	0.2	1652
	Interchange	0.3	3.2	1.5	0.3	0.1	0.0	0.1	873
	Total	*9.4*	*73.4*	*92.7*	*23.7*	*3.2*	*1.2*	*3.2*	*31971*
Year 8	Building	7.6	55.7	77.1	19.9	2.5	1.0	2.5	25532
	Landscaping	0.2	1.9	2.3	0.6	0.1	0.0	0.1	847
	Total	*7.8*	*57.6*	*79.4*	*20.5*	*2.6*	*1.0*	*2.6*	*26380*
Year 9	Building	7.6	55.7	77.1	19.9	2.5	1.0	2.5	25532
	Landscaping	0.2	1.9	2.3	0.6	0.1	0.0	0.1	847
	Total	*7.8*	*57.6*	*79.4*	*20.5*	*2.6*	*1.0*	*2.6*	*26380*

Notes: The total refers to the maximum emissions on any one day during the year. These emissions would not occur throughout the entire year, as shown in the schedule, there are periods where fewer emissions would occur because there would not be as many overlapping phases.

World Logistics Center
OFFSITE Construction Annual Summary
Mitigated: Phase 1 Tier 3, Phase 2 Tier 4, 10 hours/day, 30 scrapers during grading
Prepared by Michael Brandman Associates
29-Oct

Phase 1

Duration (days)	**2013**	**2014**	**2015**	**2016**
Mass grading	310	310	0	0
Finish grading	103	52	0	0
Building	232	310	310	310
Utilities	232	310	155	0
Curbing	26	103	77	0
Landscaping	155	310	310	310
Paving	52	52	0	0

Phase 1 (pounds/day)

Emissions	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**	**CO2e**
Mass grading	5.8	16.0	3.3	0.3	0.1	0.3	3222
Finish grading	2.0	2.5	0.5	0.1	0.0	0.1	643
Building	87.3	106.8	19.9	3.7	1.0	3.7	26242
Utilities	7.4	7.3	1.4	0.3	0.1	0.3	2049
Curbing	5.0	3.4	0.6	0.2	0.0	0.2	1066
Landscaping	3.0	3.2	0.6	0.1	0.0	0.1	868
Paving	7.6	5.6	0.9	0.3	0.1	0.3	1665
Year 1 - Emissions (tons/year)							
Mass grading	0.9	2.5	0.5	0.0	0.0	0.0	499
Finish grading	0.1	0.1	0.0	0.0	0.0	0.0	33
Building	10.1	12.4	2.3	0.4	0.1	0.4	3044
Utilities	0.9	0.8	0.2	0.0	0.0	0.0	238
Curbing	0.1	0.0	0.0	0.0	0.0	0.0	14
Landscaping	0.2	0.2	0.0	0.0	0.0	0.0	67
Paving	0.2	0.1	0.0	0.0	0.0	0.0	43
Total	**12.5**	**16.3**	**3.1**	**0.5**	**0.1**	**0.5**	**3939**
Year 2 - Emissions (tons/year)							
Mass grading	0.9	2.5	0.5	0.0	0.0	0.0	499
Finish grading	0.1	0.1	0.0	0.0	0.0	0.0	17
Building	13.5	16.5	3.1	0.6	0.2	0.6	4067
Utilities	1.1	1.1	0.2	0.0	0.0	0.0	318
Curbing	0.3	0.2	0.0	0.0	0.0	0.0	55
Landscaping	0.5	0.5	0.1	0.0	0.0	0.0	135
Paving	0.2	0.1	0.0	0.0	0.0	0.0	43
Total	**16.5**	**21.0**	**4.0**	**0.7**	**0.2**	**0.7**	**5134**
Year 3 - Emissions (tons/year)							
Building	13.5	16.5	3.1	0.6	0.2	0.6	4067
Utilities	0.6	0.6	0.1	0.0	0.0	0.0	159
Curbing	0.2	0.1	0.0	0.0	0.0	0.0	41
Landscaping	0.5	0.5	0.1	0.0	0.0	0.0	135
Total	**14.7**	**17.7**	**3.3**	**0.6**	**0.2**	**0.6**	**4402**

World Logistics Center
OFFSITE Construction Annual Summary
Mitigated: Phase 1 Tier 3, Phase 2 Tier 4, 10 hours/day, 30 scrapers during grading

Year 4 - Emissions (tons/year)

Building	13.5	16.5	3.1	0.6	0.2	0.6	4067
Landscaping	0.5	0.5	0.1	0.0	0.0	0.0	135
Total	**14.0**	**17.0**	**3.2**	**0.6**	**0.2**	**0.6**	**4202**

Phase 2

Duration (days)	**2017**	**2018**	**2019**	**2020**	**2021**
Mass grading	310	310	0	0	0
Finish grading	103	52	0	0	0
Building	232	310	310	310	310
Utilities	232	310	155	0	0
Curbing	0	103	77	0	0
Landscaping	155	310	310	310	310
Paving	0	26	52	0	0
Interchange	0	310	155	0	0

Phase 2 (pounds per day)

Emissions	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**	**CO2e**
Mass grading	3.8	11.6	3.3	0.2	0.1	0.2	3058
Finish grading	1.3	1.8	0.5	0.1	0.0	0.1	624
Building	55.7	77.1	19.9	2.5	1.0	2.5	25532
Utilities	4.7	5.3	1.4	0.2	0.1	0.2	2007
Curbing	3.1	2.4	0.6	0.1	0.0	0.1	1060
Landscaping	1.9	2.3	0.6	0.1	0.0	0.1	847
Paving	4.8	4.0	0.9	0.2	0.1	0.2	1652
Interchange	3.2	1.5	0.3	0.1	0.0	0.1	873

Emissions (tons/year)

Year 5							
Mass grading	0.6	1.8	0.5	0.0	0.0	0.0	474
Finish grading	0.1	0.1	0.0	0.0	0.0	0.0	32
Building	6.5	8.9	2.3	0.3	0.1	0.3	2962
Utilities	0.5	0.6	0.2	0.0	0.0	0.0	233
Curbing	0.0	0.0	0.0	0.0	0.0	0.0	0
Landscaping	0.1	0.2	0.0	0.0	0.0	0.0	66
Paving	0.0	0.0	0.0	0.0	0.0	0.0	0
Interchange	0.0	0.0	0.0	0.0	0.0	0.0	0
Total	**7.8**	**11.6**	**3.0**	**0.4**	**0.1**	**0.4**	**3766**

Emissions (tons/year)

Year 6							
Mass grading	0.6	1.8	0.5	0.0	0.0	0.0	474
Finish grading	0.0	0.0	0.0	0.0	0.0	0.0	16
Building	8.6	11.9	3.1	0.4	0.2	0.4	3958
Utilities	0.7	0.8	0.2	0.0	0.0	0.0	311
Curbing	0.2	0.1	0.0	0.0	0.0	0.0	55
Landscaping	0.3	0.4	0.1	0.0	0.0	0.0	131
Paving	0.1	0.1	0.0	0.0	0.0	0.0	21
Interchange	0.5	0.2	0.0	0.0	0.0	0.0	135
Total	**11.0**	**15.4**	**4.0**	**0.5**	**0.2**	**0.5**	**5102**

World Logistics Center
OFFSITE Construction Annual Summary
Mitigated: Phase 1 Tier 3, Phase 2 Tier 4, 10 hours/day, 30 scrapers during grading

Emissions (tons/year)								
Year 7	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Finish grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Building	8.6	11.9	3.1	0.4	0.2	0.4	3958
	Utilities	0.4	0.4	0.1	0.0	0.0	0.0	156
	Curbing	0.1	0.1	0.0	0.0	0.0	0.0	41
	Landscaping	0.3	0.4	0.1	0.0	0.0	0.0	131
	Paving	0.1	0.1	0.0	0.0	0.0	0.0	43
	Interchange	0.2	0.1	0.0	0.0	0.0	0.0	68
	Total	**9.8**	**13.0**	**3.4**	**0.4**	**0.2**	**0.4**	**4396**
Emissions (tons/year)								
Year 8	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Building	8.6	11.9	3.1	0.4	0.2	0.4	3958
	Landscaping	0.3	0.4	0.1	0.0	0.0	0.0	131
	Total	**8.9**	**12.3**	**3.2**	**0.4**	**0.2**	**0.4**	**4089**
Emissions (tons/year)								
Year 9	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Building	8.6	11.9	3.1	0.4	0.2	0.4	3958
	Landscaping	0.3	0.4	0.1	0.0	0.0	0.0	131
	Total	**8.9**	**12.3**	**3.2**	**0.4**	**0.2**	**0.4**	**4089**

WLC - Mitigated Construction Phase 2 (Tier 4, 10 hours, 30 scrapers)

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	19700	1000sqft
Parking Lot	71.2	Acre

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

Construction Off-road Equipment Mitigation -

3.0 Construction Detail

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

3.2 Mass Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					35.19	0.00	35.19	9.68	0.00	9.68						0.00
Off-Road	40.36	431.72	7,304.80	1.44		4.34	4.34		4.34	4.34	0.00	163,337.45		11.87		163,586.77
Total	**40.36**	**431.72**	**7,304.80**	**1.44**	**35.19**	**4.34**	**39.53**	**9.68**	**4.34**	**14.02**	**0.00**	**163,337.45**		**11.87**		**163,586.77**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.23	2.96	1.43	0.01	0.32	0.11	0.43	0.02	0.11	0.13		890.62		0.01		890.85
Worker	0.65	0.81	10.12	0.02	2.93	0.11	3.04	0.11	0.11	0.22		2,165.20		0.10		2,167.29
Total	**0.88**	**3.77**	**11.55**	**0.03**	**3.25**	**0.22**	**3.47**	**0.13**	**0.22**	**0.35**		**3,055.82**		**0.11**		**3,058.14**

3.3 Finish Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.54	0.00	5.54	1.61	0.00	1.61						0.00
Off-Road	5.04	55.15	686.10	0.18		0.54	0.54		0.54	0.54	0.00	20,452.35		1.39		20,481.48
Total	**5.04**	**55.15**	**686.10**	**0.18**	**5.54**	**0.54**	**6.08**	**1.61**	**0.54**	**2.15**	**0.00**	**20,452.35**		**1.39**		**20,481.48**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.09	1.18	0.57	0.00	0.13	0.04	0.17	0.01	0.04	0.05		356.25		0.00		356.34
Worker	0.08	0.10	1.25	0.00	0.36	0.01	0.38	0.01	0.01	0.03		267.86		0.01		268.12
Total	**0.17**	**1.28**	**1.82**	**0.00**	**0.49**	**0.05**	**0.55**	**0.02**	**0.05**	**0.08**		**624.11**		**0.01**		**624.46**

3.4 Building - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	28.17	332.08	1,008.42	0.80		4.78	4.78		4.78	4.78	0.00	76,305.04		6.02		76,431.51
Total	**28.17**	**332.08**	**1,008.42**	**0.80**		**4.78**	**4.78**		**4.78**	**4.78**	**0.00**	**76,305.04**		**6.02**		**76,431.51**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.42	27.84	13.44	0.07	2.28	1.06	3.34	0.25	1.06	1.31		7,231.62		0.12		7,234.10
Vendor	1.80	23.67	11.47	0.07	2.52	0.88	3.40	0.19	0.88	1.08		7,124.97		0.09		7,126.81
Worker	3.35	4.15	52.16	0.12	15.11	0.55	15.66	0.56	0.55	1.11		11,160.81		0.51		11,171.57
Total	**7.57**	**55.66**	**77.07**	**0.26**	**19.91**	**2.49**	**22.40**	**1.00**	**2.49**	**3.50**		**25,517.40**		**0.72**		**25,532.48**

3.5 Utilities - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	9.07	104.59	848.19	0.36		0.97	0.97		0.97	0.97	0.00	36,818.32		2.24		36,865.39
Total	**9.07**	**104.59**	**848.19**	**0.36**	**0.00**	**0.97**	**0.97**	**0.00**	**0.97**	**0.97**	**0.00**	**36,818.32**		**2.24**		**36,865.39**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.34	4.44	2.15	0.01	0.47	0.17	0.64	0.04	0.17	0.20		1,335.93		0.02		1,336.28
Worker	0.20	0.25	3.13	0.01	0.91	0.03	0.94	0.03	0.03	0.07		669.65		0.03		670.29
Total	**0.54**	**4.69**	**5.28**	**0.02**	**1.38**	**0.20**	**1.58**	**0.07**	**0.20**	**0.27**		**2,005.58**		**0.05**		**2,006.57**

3.6 Curbing - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.79	0.00	0.79	0.00	0.00	0.00						0.00
Off-Road	1.08	12.45	18.57	0.03		0.16	0.16		0.16	0.16	0.00	3,455.42		0.24		3,460.51
Total	**1.08**	**12.45**	**18.57**	**0.03**	**0.79**	**0.16**	**0.95**	**0.00**	**0.16**	**0.16**	**0.00**	**3,455.42**		**0.24**		**3,460.51**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.14	1.59	0.77	0.00	0.13	0.06	0.19	0.01	0.06	0.07		413.24		0.01		413.38
Vendor	0.11	1.48	0.72	0.00	0.16	0.06	0.21	0.01	0.06	0.07		445.31		0.01		445.43
Worker	0.06	0.07	0.94	0.00	0.27	0.01	0.28	0.01	0.01	0.02		200.89		0.01		201.09
Total	**0.31**	**3.14**	**2.43**	**0.00**	**0.56**	**0.13**	**0.68**	**0.03**	**0.13**	**0.16**		**1,059.44**		**0.03**		**1,059.90**

3.7 Landscaping - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.59	43.34	289.02	0.12		1.25	1.25		1.25	1.25	0.00	11,956.33		0.99		11,977.02
Total	**4.59**	**43.34**	**289.02**	**0.12**		**1.25**	**1.25**		**1.25**	**1.25**	**0.00**	**11,956.33**		**0.99**		**11,977.02**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.14	1.77	0.86	0.01	0.19	0.07	0.26	0.01	0.07	0.08		534.37		0.01		534.51
Worker	0.09	0.12	1.46	0.00	0.42	0.02	0.44	0.02	0.02	0.03		312.50		0.01		312.80
Total	**0.23**	**1.89**	**2.32**	**0.01**	**0.61**	**0.09**	**0.70**	**0.03**	**0.09**	**0.11**		**846.87**		**0.02**		**847.31**

3.8 Paving equipment and dust - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.07	0.00	2.07	0.00	0.00	0.00						0.00
Off-Road	5.72	66.61	580.85	0.22		0.61	0.61		0.61	0.61	0.00	23,207.43		1.60		23,241.07
Total	**5.72**	**66.61**	**580.85**	**0.22**	**2.07**	**0.61**	**2.68**	**0.00**	**0.61**	**0.61**	**0.00**	**23,207.43**		**1.60**		**23,241.07**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.28	3.18	1.54	0.01	0.26	0.12	0.38	0.03	0.12	0.15		826.47		0.01		826.75
Vendor	0.11	1.48	0.72	0.00	0.16	0.06	0.21	0.01	0.06	0.07		445.31		0.01		445.43
Worker	0.11	0.14	1.77	0.00	0.51	0.02	0.53	0.02	0.02	0.04		379.47		0.02		379.83
Total	**0.50**	**4.80**	**4.03**	**0.01**	**0.93**	**0.20**	**1.12**	**0.06**	**0.20**	**0.26**		**1,651.25**		**0.04**		**1,652.01**

3.9 Paving VOC - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Paving	15.55					0.00	0.00		0.00	0.00						0.00
Total	**15.55**					**0.00**	**0.00**		**0.00**	**0.00**						**0.00**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Total					**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**						**0.00**

3.10 Interchange - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.22	0.00	4.22	1.61	0.00	1.61						0.00
Off-Road	4.74	52.23	459.28	0.18		0.58	0.58		0.58	0.58	0.00	18,450.33		1.26		18,476.87
Total	**4.74**	**52.23**	**459.28**	**0.18**	**4.22**	**0.58**	**4.80**	**1.61**	**0.58**	**2.19**	**0.00**	**18,450.33**		**1.26**		**18,476.87**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.17	1.99	0.96	0.00	0.16	0.08	0.24	0.02	0.08	0.09		516.54		0.01		516.72
Vendor	0.09	1.18	0.57	0.00	0.13	0.04	0.17	0.01	0.04	0.05		356.25		0.00		356.34
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Total	**0.26**	**3.17**	**1.53**	**0.00**	**0.29**	**0.12**	**0.41**	**0.03**	**0.12**	**0.14**		**872.79**		**0.01**		**873.06**

World Logistics Center
Daily Construction Emissions Summary (On and Offsite)
Mitigated: Tier 3, 10 hours/day, Phase 2 DPM Filters, 30 scrapers during grading
Emissions from CalEEMod
Prepared by Michael Brandman Associates
29-Oct

Mitigated Daily Emissions (Maximum)

Year	VOC	NOx	CO	Dust PM10	Exhaust PM10	Dust PM2.5	Exhaust PM2.5
Year 1	260	1594	1716	68	101	13	101
Year 2	350	1709	1834	71	108	13	108
Year 3	219	860	974	26	59	1	59
Year 4	160	547	650	21	40	1	40
Year 5	248	1529	1653	66	20	13	20
Year 6	351	1745	1868	72	22	14	22
Year 7	221	902	1024	31	15	3	15
Year 8	146	509	616	21	10	1	10
Year 9	146	509	616	21	10	1	10

Year	VOC	NOx	CO	PM10 total	PM2.5 total
Year 1	260	1594	1716	169	114
Year 2	350	1709	1834	179	121
Year 3	219	860	974	85	60
Year 4	160	547	650	61	41
Year 5	248	1529	1653	86	32
Year 6	351	1745	1868	94	36
Year 7	221	902	1024	45	17
Year 8	146	509	616	31	11
Year 9	146	509	616	31	11

World Logistics Center
Annual Construction Emissions Summary (On and Offsite)
Mitigated: Tier 3, 10 hours/day, Phase 2 DPM Filters, 30 scrapers during grading
Emissions from CalEEMod
Prepared by Michael Brandman Associates
29-Oct

Mitigated Annual Emissions (Maximum, tons per year)

Year	NOx	CO	Dust PM10	Exhaust PM10	Dust PM2.5	Exhaust PM2.5	CO2e
Year 1	206	221	8.9	12.9	1.7	12.9	45,086
Year 2	235	254	9.7	15.0	1.7	15.0	51,242
Year 3	99	116	3.3	7.1	0.2	7.1	21,106
Year 4	85	101	3.2	6.2	0.2	6.2	17,914
Year 5	198	213	8.8	2.5	1.7	2.5	44,248
Year 6	241	260	10.3	3.1	2.0	3.1	53,752
Year 7	103	120	3.8	1.9	0.3	1.9	23,126
Year 8	79	95	3.2	1.6	0.2	1.6	17,792
Year 9	79	95	3.2	1.6	0.2	1.6	17,792
Total	**1325**	**1476**	**54.3**	**51.8**	**8.1**	**51.8**	**292058**

Year	NOx	CO	PM10	PM2.5	CO2e
Year 1	206	221	21.8	14.6	45086
Year 2	235	254	24.6	16.7	51242
Year 3	99	116	10.4	7.2	21106
Year 4	85	101	9.4	6.4	17914
Year 5	198	213	11.2	4.2	44248
Year 6	241	260	13.4	5.1	53752
Year 7	103	120	5.6	2.2	23126
Year 8	79	95	4.8	1.8	17792
Year 9	79	95	4.8	1.8	17792
Total	**1325**	**1476**	**106.1**	**60.0**	**292058**
			Averaged over 30 years		9,735

World Logistics Center
ONSITE Daily Construction Emissions Summary
Mitigated: Tier 3, 10 hours/day, Phase 2 DPM Filters, 30 scrapers during grading
Emissions from CalEEMod (except Painting)
Prepared by Michael Brandman Associates
29-Oct

Year	Activity	VOC	NOx	CO	Dust PM10	Exhaust PM10	Dust PM2.5	Exhaust PM2.5	CO2e
Phase 1	Mass grading	114.87	746.69	746.69	35.19	43.08	9.68	43.08	163,641
All	Finish grading	14.51	94.04	94.85	5.54	5.57	1.61	5.57	20,488
	Building	67.81	392.02	475.17	0.00	32.08	0.00	32.08	76,484
	Utilities	25.91	168.45	176.60	0.00	10.24	0.00	10.24	36,878
	Curbing	2.77	17.39	18.57	0.79	1.25	0.00	1.25	3,462
	Landscaping	19.81	65.19	65.15	0.00	4.19	0.00	4.19	11,983
	Painting	61.5							
	Paving	27.95	107.04	112.07	2.07	6.67	0.00	6.67	23,249
Year 1	Mass grading	114.9	746.7	746.7	35.2	43.1	9.7	43.1	163641
	Finish grading	14.5	94.0	94.9	5.5	5.6	1.6	5.6	20488
	Building	67.8	392.0	475.2	0.0	32.1	0.0	32.1	76484
	Utilities	25.9	168.5	176.6	0.0	10.2	0.0	10.2	36878
	Curbing	2.8	17.4	18.6	0.8	1.3	0.0	1.3	3462
	Landscaping	19.8	65.2	65.2	0.0	4.2	0.0	4.2	11983
	Total	*245.7*	*1483.8*	*1577.0*	*41.5*	*96.4*	*11.3*	*96.4*	*312937*
Year 2	Mass grading	114.9	746.7	746.7	35.2	43.1	9.7	43.1	163641.5
	Finish grading	14.5	94.0	94.9	5.5	5.6	1.6	5.6	20488
	Building	67.8	392.0	475.2	0.0	32.1	0.0	32.1	76484
	Utilities	25.9	168.5	176.6	0.0	10.2	0.0	10.2	36878
	Curbing	2.8	17.4	18.6	0.8	1.3	0.0	1.3	3462
	Landscaping	19.8	65.2	65.2	0.0	4.2	0.0	4.2	11983
	Painting	61.5							
	Paving	28.0	107.0	112.1	2.1	6.7	0.0	6.7	23249
	Total	*335.1*	*1590.8*	*1689.1*	*43.6*	*103.1*	*11.3*	*103.1*	*336186*
Year 3	Building	67.8	392.0	475.2	0.0	32.1	0.0	32.1	76484
	Utilities	25.9	168.5	176.6	0.0	10.2	0.0	10.2	36878
	Curbing	2.8	17.4	18.6	0.8	1.3	0.0	1.3	3462
	Landscaping	19.8	65.2	65.2	0.0	4.2	0.0	4.2	11983
	Painting	61.5							
	Paving	28.0	107.0	112.1	2.1	6.7	0.0	6.7	23249
	Total	*205.8*	*750.1*	*847.6*	*2.9*	*54.4*	*0.0*	*54.4*	*152057*
Year 4	Building	67.8	392.0	475.2	0.0	32.1	0.0	32.1	76484
	Painting	61.5							
	Landscaping	19.8	65.2	65.2	0.0	4.2	0.0	4.2	11983
	Total	*149.1*	*457.2*	*540.3*	*0.0*	*36.3*	*0.0*	*36.3*	*88467*

World Logistics Center
ONSITE Daily Construction Emissions Summary
Mitigated: Tier 3, 10 hours/day, Phase 2 DPM Filters, 30 scrapers during grading

Year	Activity	VOC	NOx	CO**	Dust PM10	Exhaust PM10	Dust PM2.5	Exhaust PM2.5	CO2e
Phase 2	Mass grading	115.03	747.63	747.48	35.19	6.50	9.68	6.50	163,587
All	Finish grading	14.51	94.04	94.85	5.54	0.84	1.61	0.84	20,481
	Building	63.66	386.43	471.08	0.00	7.15	0.00	7.15	76,432
	Utilities	25.91	168.45	176.60	0.00	1.54	0.00	1.54	36,865
	Curbing	2.76	17.36	18.57	0.79	0.25	0.00	0.25	3,461
	Landscaping	19.81	65.19	65.15	0.00	0.63	0.00	0.63	11,977
	Painting	54.8							
	Paving	32.10	107.04	112.07	2.07	1.00	0.00	1.00	23,241
	Interchange	12.91	84.45	88.19	4.22	0.85	1.61	0.85	18,477
Year 5	Mass grading	115.0	747.6	747.5	35.2	6.5	9.7	6.5	163587
	Finish grading	14.5	94.0	94.9	5.5	0.8	1.6	0.8	20481
	Building	63.7	386.4	471.1	0.0	7.2	0.0	7.2	76432
	Utilities	25.9	168.5	176.6	0.0	1.5	0.0	1.5	36865
	Landscaping	19.8	65.2	65.2	0.0	0.6	0.0	0.6	11977
	Total	*238.9*	*1461.7*	*1555.2*	*40.7*	*16.7*	*11.3*	*16.7*	*309342*
Year 6	Mass grading	115.0	747.6	747.5	35.2	6.5	9.7	6.5	163587
	Finish grading	14.5	94.0	94.9	5.5	0.8	1.6	0.8	20481
	Building	63.7	386.4	471.1	0.0	7.2	0.0	7.2	76432
	Utilities	25.9	168.5	176.6	0.0	1.5	0.0	1.5	36865
	Curbing	2.8	17.4	18.6	0.8	0.3	0.0	0.3	3461
	Landscaping	19.8	65.2	65.2	0.0	0.6	0.0	0.6	11977
	Painting	54.8							
	Paving	32.1	107.0	112.1	2.1	1.0	0.0	1.0	23241
	Interchange	12.9	84.5	88.2	4.2	0.9	1.6	0.9	18477
	Total	*341.5*	*1670.6*	*1774.0*	*47.8*	*18.8*	*12.9*	*18.8*	*354521*
Year 7	Building	63.7	386.4	471.1	0.0	7.2	0.0	7.2	76432
	Utilities	25.9	168.5	176.6	0.0	1.5	0.0	1.5	36865
	Curbing	2.8	17.4	18.6	0.8	0.3	0.0	0.3	3461
	Landscaping	19.8	65.2	65.2	0.0	0.6	0.0	0.6	11977
	Painting	54.8							
	Paving	32.1	107.0	112.1	2.1	1.0	0.0	1.0	23241
	Interchange	12.9	84.5	88.2	4.2	0.9	1.6	0.9	18477
	Total	*212.0*	*828.9*	*931.7*	*7.1*	*11.4*	*1.6*	*11.4*	*170452*
Year 8	Building	63.7	386.4	471.1	0.0	7.2	0.0	7.2	76432
	Painting	54.8							
	Landscaping	19.8	65.2	65.2	0.0	0.6	0.0	0.6	11977
	Total	*138.3*	*451.6*	*536.2*	*0.0*	*7.8*	*0.0*	*7.8*	*88409*
Year 9	Building	63.7	386.4	471.1	0.0	7.2	0.0	7.2	76432
	Painting	54.8							
	Landscaping	19.8	65.2	65.2	0.0	0.6	0.0	0.6	11977
	Total	*138.3*	*451.6*	*536.2*	*0.0*	*7.8*	*0.0*	*7.8*	*88409*

Notes: The total refers to the maximum emissions on any one day during the year. These emissions would not occur throughout the entire year, as shown in the schedule, there are periods where fewer emissions would occur because there would not be as many overlapping phases. The emission factors for phase 1 use 2013 and Phase 2 use 2017, as it is assumed that the same construction equipment and vehicles would be used for each phase

World Logistics Center
ONSITE Construction Annual Summary
Mitigated: Tier 3, 10 hours/day, Phase 2 DPM Filters, 30 scrapers during grading
Prepared by Michael Brandman Associates
29-Oct

Phase 1

Duration (days)	**Year 1**	**Year 2**	**Year 3**	**Year 4**
Mass grading	310	310	0	0
Finish grading	103	52	0	0
Building	232	310	310	310
Utilities	232	310	155	0
Curbing	26	103	77	0
Landscaping	155	310	310	310
Paving	52	52	0	0

Phase 1 (pounds/day)

Emissions	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**	**CO2e**
Mass grading	746.7	746.7	35.2	43.1	9.7	43.1	163641
Finish grading	94.0	94.9	5.5	5.6	1.6	5.6	20488
Building	392.0	475.2	0.0	32.1	0.0	32.1	76484
Utilities	168.5	176.6	0.0	10.2	0.0	10.2	36878
Curbing	17.4	18.6	0.8	1.3	0.0	1.3	3462
Landscaping	65.2	65.2	0.0	4.2	0.0	4.2	11983
Paving	107.0	112.1	2.1	6.7	0.0	6.7	23249
Year 1 - Emissions (tons/year)							
Mass grading	115.7	115.7	5.5	6.7	1.5	6.7	25364
Finish grading	4.8	4.9	0.3	0.3	0.1	0.3	1055
Building	45.5	55.1	0.0	3.7	0.0	3.7	8872
Utilities	19.5	20.5	0.0	1.2	0.0	1.2	4278
Curbing	0.2	0.2	0.0	0.0	0.0	0.0	45
Landscaping	5.1	5.0	0.0	0.3	0.0	0.3	929
Paving	2.8	2.9	0.1	0.2	0.0	0.2	604
Total	**193.7**	**204.4**	**5.8**	**12.4**	**1.6**	**12.4**	**41148**
Year 2 - Emissions (tons/year)							
Mass grading	115.7	115.7	5.5	6.7	1.5	6.7	25364
Finish grading	2.4	2.5	0.1	0.1	0.0	0.1	533
Building	60.8	73.7	0.0	5.0	0.0	5.0	11855
Utilities	26.1	27.4	0.0	1.6	0.0	1.6	5716
Curbing	0.9	1.0	0.0	0.1	0.0	0.1	178
Landscaping	10.1	10.1	0.0	0.6	0.0	0.6	1857
Paving	2.8	2.9	0.1	0.2	0.0	0.2	604
Total	**218.8**	**233.2**	**5.7**	**14.3**	**1.5**	**14.3**	**46108**
Year 3 - Emissions (tons/year)							
Building	60.8	73.7	0.0	5.0	0.0	5.0	11855
Utilities	13.1	13.7	0.0	0.8	0.0	0.8	2858
Curbing	0.7	0.7	0.0	0.0	0.0	0.0	133
Landscaping	10.1	10.1	0.0	0.6	0.0	0.6	1857
Total	**84.6**	**98.2**	**0.0**	**6.5**	**0.0**	**6.5**	**16704**

World Logistics Center
ONSITE Construction Annual Summary
Mitigated: Tier 3, 10 hours/day, Phase 2 DPM Filters, 30 scrapers during grading

Year 4 - Emissions (tons/year)

Building	60.8	73.7	0.0	5.0	0.0	5.0	11855
Landscaping	10.1	10.1	0.0	0.6	0.0	0.6	1857
Total	**70.9**	**83.7**	**0.0**	**5.6**	**0.0**	**5.6**	**13712**

Phase 2

Duration (days)	**Year 5**	**Year 6**	**Year 7**	**Year 8**	**Year 9**
Mass grading	310	310	0	0	0
Finish grading	103	52	0	0	0
Building	232	310	310	310	310
Utilities	232	310	155	0	0
Curbing	0	103	77	0	0
Landscaping	155	310	310	310	310
Paving	0	26	52	0	0
Interchange	0	310	155	0	0

Phase 2 (pounds per day)

Emissions	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**	**CO2e**
Mass grading	747.6	747.5	35.2	6.5	9.7	6.5	163587
Finish grading	94.0	94.9	5.5	0.8	1.6	0.8	20481
Building	386.4	471.1	0.0	7.2	0.0	7.2	76432
Utilities	168.5	176.6	0.0	1.5	0.0	1.5	36865
Curbing	17.4	18.6	0.8	0.3	0.0	0.3	3461
Landscaping	65.2	65.2	0.0	0.6	0.0	0.6	11977
Paving	107.0	112.1	2.1	1.0	0.0	1.0	23241
Interchange	84.5	88.2	4.2	0.9	1.6	0.9	18477

Emissions (tons/year)

Year 5	Mass grading	115.9	115.9	5.5	1.0	1.5	1.0	25356
	Finish grading	4.8	4.9	0.3	0.0	0.1	0.0	1055
	Building	44.8	54.6	0.0	0.8	0.0	0.8	8866
	Utilities	19.5	20.5	0.0	0.2	0.0	0.2	4276
	Curbing	0.0	0.0	0.0	0.0	0.0	0.0	0
	Landscaping	5.1	5.0	0.0	0.0	0.0	0.0	928
	Paving	0.0	0.0	0.0	0.0	0.0	0.0	0
	Interchange	0.0	0.0	0.0	0.0	0.0	0.0	0
	Total	**190.1**	**200.9**	**5.7**	**2.1**	**1.6**	**2.1**	**40481**

Emissions (tons/year)

Year 6	Mass grading	115.9	115.9	5.5	1.0	1.5	1.0	25356
	Finish grading	2.4	2.5	0.1	0.0	0.0	0.0	533
	Building	59.9	73.0	0.0	1.1	0.0	1.1	11847
	Utilities	26.1	27.4	0.0	0.2	0.0	0.2	5714
	Curbing	0.9	1.0	0.0	0.0	0.0	0.0	178
	Landscaping	10.1	10.1	0.0	0.1	0.0	0.1	1856
	Paving	1.4	1.5	0.0	0.0	0.0	0.0	302
	Interchange	13.1	13.7	0.7	0.1	0.2	0.1	2864
	Total	**229.8**	**244.9**	**6.3**	**2.6**	**1.8**	**2.6**	**48650**

World Logistics Center
ONSITE Construction Annual Summary
Mitigated: Tier 3, 10 hours/day, Phase 2 DPM Filters, 30 scrapers during grading

Emissions (tons/year)								
Year 7	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Finish grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Building	59.9	73.0	0.0	1.1	0.0	1.1	11847
	Utilities	13.1	13.7	0.0	0.1	0.0	0.1	2857
	Curbing	0.7	0.7	0.0	0.0	0.0	0.0	133
	Landscaping	10.1	10.1	0.0	0.1	0.0	0.1	1856
	Paving	2.8	2.9	0.1	0.0	0.0	0.0	604
	Interchange	6.5	6.8	0.3	0.1	0.1	0.1	1432
	Total	**93.1**	**107.3**	**0.4**	**1.4**	**0.1**	**1.4**	**18730**
Emissions (tons/year)								
Year 8	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Building	59.9	73.0	0.0	1.1	0.0	1.1	11847
	Landscaping	10.1	10.1	0.0	0.1	0.0	0.1	1856
	Total	**70.0**	**83.1**	**0.0**	**1.2**	**0.0**	**1.2**	**13703**
Emissions (tons/year)								
Year 9	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Building	59.9	73.0	0.0	1.1	0.0	1.1	11847
	Landscaping	10.1	10.1	0.0	0.1	0.0	0.1	1856
	Total	**70.0**	**83.1**	**0.0**	**1.2**	**0.0**	**1.2**	**13703**

World Logistics Center
OFFSITE Daily Construction Emissions Summary
(same as unmitigated version)
Emissions from CalEEMod
Prepared by Michael Brandman Associates
29-Oct

Year	Activity	VOC	NOx	CO	Dust PM10	Exhaust PM10	Dust PM2.5	Exhaust PM2.5	CO2e
Phase 1	Mass grading	1.2	5.8	16.0	3.3	0.3	0.1	0.3	3222
All	Finish grading	0.2	2.0	2.5	0.5	0.1	0.0	0.1	643
	Building	10.8	87.3	106.8	19.9	3.7	1.0	3.7	26242
	Utilities	0.8	7.4	7.3	1.4	0.3	0.1	0.3	2049
	Curbing	0.5	5.0	3.4	0.6	0.2	0.0	0.2	1066
	Landscaping	0.3	3.0	3.2	0.6	0.1	0.0	0.1	868
	Paving	0.7	7.6	5.6	0.9	0.3	0.1	0.3	1665
Year 1	Mass grading	1.2	5.8	16.0	3.3	0.3	0.1	0.3	3222
	Finish grading	0.2	2.0	2.5	0.5	0.1	0.0	0.1	643
	Building	10.8	87.3	106.8	19.9	3.7	1.0	3.7	26242
	Utilities	0.8	7.4	7.3	1.4	0.3	0.1	0.3	2049
	Curbing	0.5	5.0	3.4	0.6	0.2	0.0	0.2	1066
	Landscaping	0.3	3.0	3.2	0.6	0.1	0.0	0.1	868
	Total	*13.8*	*110.4*	*139.1*	*26.2*	*4.6*	*1.3*	*4.6*	*34089*
Year 2	Mass grading	1.2	5.8	16.0	3.3	0.3	0.1	0.3	3222
	Finish grading	0.2	2.0	2.5	0.5	0.1	0.0	0.1	643
	Building	10.8	87.3	106.8	19.9	3.7	1.0	3.7	26242
	Utilities	0.8	7.4	7.3	1.4	0.3	0.1	0.3	2049
	Curbing	0.5	5.0	3.4	0.6	0.2	0.0	0.2	1066
	Landscaping	0.3	3.0	3.2	0.6	0.1	0.0	0.1	868
	Paving	0.7	7.6	5.6	0.9	0.3	0.1	0.3	1665
	Total	*14.6*	*117.9*	*144.7*	*27.1*	*4.9*	*1.3*	*4.9*	*35754*
Year 3	Building	10.8	87.3	106.8	19.9	3.7	1.0	3.7	26242
	Utilities	0.8	7.4	7.3	1.4	0.3	0.1	0.3	2049
	Curbing	0.5	5.0	3.4	0.6	0.2	0.0	0.2	1066
	Landscaping	0.3	3.0	3.2	0.6	0.1	0.0	0.1	868
	Paving	0.7	7.6	5.6	0.9	0.3	0.1	0.3	1665
	Total	*13.1*	*110.1*	*126.2*	*23.4*	*4.6*	*1.2*	*4.6*	*31890*
Year 4	Building	10.8	87.3	106.8	19.9	3.7	1.0	3.7	26242
	Landscaping	0.3	3.0	3.2	0.6	0.1	0.0	0.1	868
	Total	*11.2*	*90.2*	*110.0*	*20.5*	*3.8*	*1.0*	*3.8*	*27109*

World Logistics Center
OFFSITE Daily Construction Emissions Summary
(same as unmitigated version)

Year	Activity		NOx	CO	Dust PM10	Exhaust PM10	Dust PM2.5	Exhaust PM2.5	CO2e
Phase 2	Mass grading	0.9	3.8	11.6	3.3	0.2	0.1	0.2	3058
All	Finish grading	0.2	1.3	1.8	0.5	0.1	0.0	0.1	624
	Building	7.6	55.7	77.1	19.9	2.5	1.0	2.5	25532
	Utilities	0.5	4.7	5.3	1.4	0.2	0.1	0.2	2007
	Curbing	0.3	3.1	2.4	0.6	0.1	0.0	0.1	1060
	Landscaping	0.2	1.9	2.3	0.6	0.1	0.0	0.1	847
	Paving	0.5	4.8	4.0	0.9	0.2	0.1	0.2	1652
	Interchange	0.3	3.2	1.5	0.3	0.1	0.0	0.1	873
Year 5	Mass grading	0.9	3.8	11.6	3.3	0.2	0.1	0.2	3058
	Finish grading	0.2	1.3	1.8	0.5	0.1	0.0	0.1	624
	Building	7.6	55.7	77.1	19.9	2.5	1.0	2.5	25532
	Utilities	0.5	4.7	5.3	1.4	0.2	0.1	0.2	2007
	Landscaping	0.2	1.9	2.3	0.6	0.1	0.0	0.1	847
	Total	*9.4*	*67.3*	*98.0*	*25.6*	*3.1*	*1.3*	*3.1*	*32069*
Year 6	Finish grading	0.2	1.3	1.8	0.5	0.1	0.0	0.1	624
	Building	7.6	55.7	77.1	19.9	2.5	1.0	2.5	25532
	Utilities	0.5	4.7	5.3	1.4	0.2	0.1	0.2	2007
	Curbing	0.3	3.1	2.4	0.6	0.1	0.0	0.1	1060
	Landscaping	0.2	1.9	2.3	0.6	0.1	0.0	0.1	847
	Paving	0.5	4.8	4.0	0.9	0.2	0.1	0.2	1652
	Interchange	0.3	3.2	1.5	0.3	0.1	0.0	0.1	873
	Total	*9.6*	*74.6*	*94.5*	*24.2*	*3.3*	*1.2*	*3.3*	*32596*
Year 7	Building	7.6	55.7	77.1	19.9	2.5	1.0	2.5	25532
	Utilities	0.5	4.7	5.3	1.4	0.2	0.1	0.2	2007
	Curbing	0.3	3.1	2.4	0.6	0.1	0.0	0.1	1060
	Landscaping	0.2	1.9	2.3	0.6	0.1	0.0	0.1	847
	Paving	0.5	4.8	4.0	0.9	0.2	0.1	0.2	1652
	Interchange	0.3	3.2	1.5	0.3	0.1	0.0	0.1	873
	Total	*9.4*	*73.4*	*92.7*	*23.7*	*3.2*	*1.2*	*3.2*	*31971*
Year 8	Building	7.6	55.7	77.1	19.9	2.5	1.0	2.5	25532
	Landscaping	0.2	1.9	2.3	0.6	0.1	0.0	0.1	847
	Total	*7.8*	*57.6*	*79.4*	*20.5*	*2.6*	*1.0*	*2.6*	*26380*
Year 9	Building	7.6	55.7	77.1	19.9	2.5	1.0	2.5	25532
	Landscaping	0.2	1.9	2.3	0.6	0.1	0.0	0.1	847
	Total	*7.8*	*57.6*	*79.4*	*20.5*	*2.6*	*1.0*	*2.6*	*26380*

Notes: The total refers to the maximum emissions on any one day during the year. These emissions would not occur throughout the entire year, as shown in the schedule, there are periods where fewer emissions would occur because there would not be as many overlapping phases. The emission factors for phase 1 use 2013 and Phase 2 use 2017, as it is assumed that the same construction equipment and vehicles would be used for each phase

World Logistics Center
OFFSITE Construction Annual Summary
Mitigated: Tier 3, 10 hours/day, Phase 2 DPM Filters, 30 scrapers during grading
Prepared by Michael Brandman Associates
29-Oct

Phase 1

Duration (days)	**Year 1**	**Year 2**	**Year 3**	**Year 4**
Mass grading	310	310	0	0
Finish grading	103	52	0	0
Building	232	310	310	310
Utilities	232	310	155	0
Curbing	26	103	77	0
Landscaping	155	310	310	310
Paving	52	52	0	0

Phase 1 (pounds/day)

Emissions	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**	**CO2e**
Mass grading	5.8	16.0	3.3	0.3	0.1	0.3	3222
Finish grading	2.0	2.5	0.5	0.1	0.0	0.1	643
Building	87.3	106.8	19.9	3.7	1.0	3.7	26242
Utilities	7.4	7.3	1.4	0.3	0.1	0.3	2049
Curbing	5.0	3.4	0.6	0.2	0.0	0.2	1066
Landscaping	3.0	3.2	0.6	0.1	0.0	0.1	868
Paving	7.6	5.6	0.9	0.3	0.1	0.3	1665
Year 1 - Emissions (tons/year)							
Mass grading	0.9	2.5	0.5	0.0	0.0	0.0	499
Finish grading	0.1	0.1	0.0	0.0	0.0	0.0	33
Building	10.1	12.4	2.3	0.4	0.1	0.4	3044
Utilities	0.9	0.8	0.2	0.0	0.0	0.0	238
Curbing	0.1	0.0	0.0	0.0	0.0	0.0	14
Landscaping	0.2	0.2	0.0	0.0	0.0	0.0	67
Paving	0.2	0.1	0.0	0.0	0.0	0.0	43
Total	**12.5**	**16.3**	**3.1**	**0.5**	**0.1**	**0.5**	**3939**
Year 2 - Emissions (tons/year)							
Mass grading	0.9	2.5	0.5	0.0	0.0	0.0	499
Finish grading	0.1	0.1	0.0	0.0	0.0	0.0	17
Building	13.5	16.5	3.1	0.6	0.2	0.6	4067
Utilities	1.1	1.1	0.2	0.0	0.0	0.0	318
Curbing	0.3	0.2	0.0	0.0	0.0	0.0	55
Landscaping	0.5	0.5	0.1	0.0	0.0	0.0	135
Paving	0.2	0.1	0.0	0.0	0.0	0.0	43
Total	**16.5**	**21.0**	**4.0**	**0.7**	**0.2**	**0.7**	**5134**
Year 3 - Emissions (tons/year)							
Building	13.5	16.5	3.1	0.6	0.2	0.6	4067
Utilities	0.6	0.6	0.1	0.0	0.0	0.0	159
Curbing	0.2	0.1	0.0	0.0	0.0	0.0	41
Landscaping	0.5	0.5	0.1	0.0	0.0	0.0	135
Total	**14.7**	**17.7**	**3.3**	**0.6**	**0.2**	**0.6**	**4402**

World Logistics Center
OFFSITE Construction Annual Summary
Mitigated: Tier 3, 10 hours/day, Phase 2 DPM Filters, 30 scrapers during grading

Year 4 - Emissions (tons/year)

Building	13.5	16.5	3.1	0.6	0.2	0.6	4067
Landscaping	0.5	0.5	0.1	0.0	0.0	0.0	135
Total	**14.0**	**17.0**	**3.2**	**0.6**	**0.2**	**0.6**	**4202**

Phase 2

Duration (days)	**Year 5**	**Year 6**	**Year 7**	**Year 8**	**Year 9**
Mass grading	310	310	0	0	0
Finish grading	103	52	0	0	0
Building	232	310	310	310	310
Utilities	232	310	155	0	0
Curbing	0	103	77	0	0
Landscaping	155	310	310	310	310
Paving	0	26	52	0	0
Interchange	0	310	155	0	0

Phase 2 (pounds per day)

Emissions	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**	**CO2e**
Mass grading	3.8	11.6	3.3	0.2	0.1	0.2	3058
Finish grading	1.3	1.8	0.5	0.1	0.0	0.1	624
Building	55.7	77.1	19.9	2.5	1.0	2.5	25532
Utilities	4.7	5.3	1.4	0.2	0.1	0.2	2007
Curbing	3.1	2.4	0.6	0.1	0.0	0.1	1060
Landscaping	1.9	2.3	0.6	0.1	0.0	0.1	847
Paving	4.8	4.0	0.9	0.2	0.1	0.2	1652
Interchange	3.2	1.5	0.3	0.1	0.0	0.1	873

Emissions (tons/year)

Year 5	Mass grading	0.6	1.8	0.5	0.0	0.0	0.0	474
	Finish grading	0.1	0.1	0.0	0.0	0.0	0.0	32
	Building	6.5	8.9	2.3	0.3	0.1	0.3	2962
	Utilities	0.5	0.6	0.2	0.0	0.0	0.0	233
	Curbing	0.0	0.0	0.0	0.0	0.0	0.0	0
	Landscaping	0.1	0.2	0.0	0.0	0.0	0.0	66
	Paving	0.0	0.0	0.0	0.0	0.0	0.0	0
	Interchange	0.0	0.0	0.0	0.0	0.0	0.0	0
	Total	**7.8**	**11.6**	**3.0**	**0.4**	**0.1**	**0.4**	**3766**

Emissions (tons/year)

Year 6	Mass grading	0.6	1.8	0.5	0.0	0.0	0.0	474
	Finish grading	0.0	0.0	0.0	0.0	0.0	0.0	16
	Building	8.6	11.9	3.1	0.4	0.2	0.4	3958
	Utilities	0.7	0.8	0.2	0.0	0.0	0.0	311
	Curbing	0.2	0.1	0.0	0.0	0.0	0.0	55
	Landscaping	0.3	0.4	0.1	0.0	0.0	0.0	131
	Paving	0.1	0.1	0.0	0.0	0.0	0.0	21
	Interchange	0.5	0.2	0.0	0.0	0.0	0.0	135
	Total	**11.0**	**15.4**	**4.0**	**0.5**	**0.2**	**0.5**	**5102**

World Logistics Center
OFFSITE Construction Annual Summary
Mitigated: Tier 3, 10 hours/day, Phase 2 DPM Filters, 30 scrapers during grading

Emissions (tons/year)								
Year 7	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Finish grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Building	8.6	11.9	3.1	0.4	0.2	0.4	3958
	Utilities	0.4	0.4	0.1	0.0	0.0	0.0	156
	Curbing	0.1	0.1	0.0	0.0	0.0	0.0	41
	Landscaping	0.3	0.4	0.1	0.0	0.0	0.0	131
	Paving	0.1	0.1	0.0	0.0	0.0	0.0	43
	Interchange	0.2	0.1	0.0	0.0	0.0	0.0	68
	Total	**9.8**	**13.0**	**3.4**	**0.4**	**0.2**	**0.4**	**4396**
Emissions (tons/year)								
Year 8	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Building	8.6	11.9	3.1	0.4	0.2	0.4	3958
	Landscaping	0.3	0.4	0.1	0.0	0.0	0.0	131
	Total	**8.9**	**12.3**	**3.2**	**0.4**	**0.2**	**0.4**	**4089**
Emissions (tons/year)								
Year 9	Mass grading	0.0	0.0	0.0	0.0	0.0	0.0	0
	Building	8.6	11.9	3.1	0.4	0.2	0.4	3958
	Landscaping	0.3	0.4	0.1	0.0	0.0	0.0	131
	Total	**8.9**	**12.3**	**3.2**	**0.4**	**0.2**	**0.4**	**4089**

WLC - Mitigated Construction Phase 2 (Tier 3, 10 hours, 30 scrapers)

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	19700	1000sqft
Parking Lot	71.2	Acre

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

Construction Off-road Equipment Mitigation -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	133.41	1,028.49	506.62	1.47	93.48	39.42	132.90	24.96	39.42	64.38	0.00	166,393	0.00	11.98	0.00	166,645
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	115.90	751.39	759.03	1.47	38.44	9.64	45.15	9.82	9.64	16.53	0.00	166,393	0.00	11.98	0.00	166,645
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

3.2 Mass Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					35.19	0.00	35.19	9.68	0.00	9.68						0.00
Off-Road	115.03	747.63	747.48	1.44		6.50	6.50		6.50	6.50	0.00	163,337.45		11.87		163,586.77
Total	**115.03**	**747.63**	**747.48**	**1.44**	**35.19**	**6.50**	**41.69**	**9.68**	**6.50**	**16.18**	**0.00**	**163,337.45**		**11.87**		**163,586.77**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.23	2.96	1.43	0.01	0.32	0.11	0.43	0.02	0.11	0.13		890.62		0.01		890.85
Worker	0.65	0.81	10.12	0.02	2.93	0.11	3.04	0.11	0.11	0.22		2,165.20		0.10		2,167.29
Total	**0.88**	**3.77**	**11.55**	**0.03**	**3.25**	**0.22**	**3.47**	**0.13**	**0.22**	**0.35**		**3,055.82**		**0.11**		**3,058.14**

3.3 Finish Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.54	0.00	5.54	1.61	0.00	1.61						0.00
Off-Road	14.51	94.04	94.85	0.18		0.84	0.84		0.84	0.84	0.00	20,452.35		1.39		20,481.48
Total	**14.51**	**94.04**	**94.85**	**0.18**	**5.54**	**0.84**	**6.38**	**1.61**	**0.84**	**2.45**	**0.00**	**20,452.35**		**1.39**		**20,481.48**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.09	1.18	0.57	0.00	0.13	0.04	0.17	0.01	0.04	0.05		356.25		0.00		356.34
Worker	0.08	0.10	1.25	0.00	0.36	0.01	0.38	0.01	0.01	0.03		267.86		0.01		268.12
Total	**0.17**	**1.28**	**1.82**	**0.00**	**0.49**	**0.05**	**0.55**	**0.02**	**0.05**	**0.08**		**624.11**		**0.01**		**624.46**

3.4 Building - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	63.66	386.43	471.08	0.80		7.15	7.15		7.15	7.15	0.00	76,305.04		6.02		76,431.51
Total	**63.66**	**386.43**	**471.08**	**0.80**		**7.15**	**7.15**		**7.15**	**7.15**	**0.00**	**76,305.04**		**6.02**		**76,431.51**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.42	27.84	13.44	0.07	2.28	1.06	3.34	0.25	1.06	1.31		7,231.62		0.12		7,234.10
Vendor	1.80	23.67	11.47	0.07	2.52	0.88	3.40	0.19	0.88	1.08		7,124.97		0.09		7,126.81
Worker	3.35	4.15	52.16	0.12	15.11	0.55	15.66	0.56	0.55	1.11		11,160.81		0.51		11,171.57
Total	**7.57**	**55.66**	**77.07**	**0.26**	**19.91**	**2.49**	**22.40**	**1.00**	**2.49**	**3.50**		**25,517.40**		**0.72**		**25,532.48**

3.5 Utilities - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	25.91	168.45	176.60	0.36		1.54	1.54		1.54	1.54	0.00	36,818.32		2.24		36,865.39
Total	**25.91**	**168.45**	**176.60**	**0.36**	**0.00**	**1.54**	**1.54**	**0.00**	**1.54**	**1.54**	**0.00**	**36,818.32**		**2.24**		**36,865.39**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.34	4.44	2.15	0.01	0.47	0.17	0.64	0.04	0.17	0.20		1,335.93		0.02		1,336.28
Worker	0.20	0.25	3.13	0.01	0.91	0.03	0.94	0.03	0.03	0.07		669.65		0.03		670.29
Total	**0.54**	**4.69**	**5.28**	**0.02**	**1.38**	**0.20**	**1.58**	**0.07**	**0.20**	**0.27**		**2,005.58**		**0.05**		**2,006.57**

3.6 Curbing - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.79	0.00	0.79	0.00	0.00	0.00						0.00
Off-Road	2.76	17.36	18.57	0.03		0.25	0.25		0.25	0.25	0.00	3,455.42		0.24		3,460.51
Total	**2.76**	**17.36**	**18.57**	**0.03**	**0.79**	**0.25**	**1.04**	**0.00**	**0.25**	**0.25**	**0.00**	**3,455.42**		**0.24**		**3,460.51**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.14	1.59	0.77	0.00	0.13	0.06	0.19	0.01	0.06	0.07		413.24		0.01		413.38
Vendor	0.11	1.48	0.72	0.00	0.16	0.06	0.21	0.01	0.06	0.07		445.31		0.01		445.43
Worker	0.06	0.07	0.94	0.00	0.27	0.01	0.28	0.01	0.01	0.02		200.89		0.01		201.09
Total	**0.31**	**3.14**	**2.43**	**0.00**	**0.56**	**0.13**	**0.68**	**0.03**	**0.13**	**0.16**		**1,059.44**		**0.03**		**1,059.90**

3.7 Landscaping - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	19.81	65.19	65.15	0.12		0.63	0.63		0.63	0.63	0.00	11,956.33		0.99		11,977.02
Total	**19.81**	**65.19**	**65.15**	**0.12**		**0.63**	**0.63**		**0.63**	**0.63**	**0.00**	**11,956.33**		**0.99**		**11,977.02**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.14	1.77	0.86	0.01	0.19	0.07	0.26	0.01	0.07	0.08		534.37		0.01		534.51
Worker	0.09	0.12	1.46	0.00	0.42	0.02	0.44	0.02	0.02	0.03		312.50		0.01		312.80
Total	**0.23**	**1.89**	**2.32**	**0.01**	**0.61**	**0.09**	**0.70**	**0.03**	**0.09**	**0.11**		**846.87**		**0.02**		**847.31**

3.8 Paving equipment and dust - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.07	0.00	2.07	0.00	0.00	0.00						0.00
Off-Road	16.55	107.04	112.07	0.22		1.00	1.00		1.00	1.00	0.00	23,207.43		1.60		23,241.07
Total	**16.55**	**107.04**	**112.07**	**0.22**	**2.07**	**1.00**	**3.07**	**0.00**	**1.00**	**1.00**	**0.00**	**23,207.43**		**1.60**		**23,241.07**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.28	3.18	1.54	0.01	0.26	0.12	0.38	0.03	0.12	0.15		826.47		0.01		826.75
Vendor	0.11	1.48	0.72	0.00	0.16	0.06	0.21	0.01	0.06	0.07		445.31		0.01		445.43
Worker	0.11	0.14	1.77	0.00	0.51	0.02	0.53	0.02	0.02	0.04		379.47		0.02		379.83
Total	**0.50**	**4.80**	**4.03**	**0.01**	**0.93**	**0.20**	**1.12**	**0.06**	**0.20**	**0.26**		**1,651.25**		**0.04**		**1,652.01**

3.9 Paving VOC - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Paving	15.55					0.00	0.00		0.00	0.00						0.00
Total	**15.55**					**0.00**	**0.00**		**0.00**	**0.00**						**0.00**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Total					**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**						**0.00**

3.10 Interchange - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.22	0.00	4.22	1.61	0.00	1.61						0.00
Off-Road	12.91	84.45	88.19	0.18		0.85	0.85		0.85	0.85	0.00	18,450.33		1.26		18,476.87
Total	**12.91**	**84.45**	**88.19**	**0.18**	**4.22**	**0.85**	**5.07**	**1.61**	**0.85**	**2.46**	**0.00**	**18,450.33**		**1.26**		**18,476.87**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.17	1.99	0.96	0.00	0.16	0.08	0.24	0.02	0.08	0.09		516.54		0.01		516.72
Vendor	0.09	1.18	0.57	0.00	0.13	0.04	0.17	0.01	0.04	0.05		356.25		0.00		356.34
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Total	**0.26**	**3.17**	**1.53**	**0.00**	**0.29**	**0.12**	**0.41**	**0.03**	**0.12**	**0.14**		**872.79**		**0.01**		**873.06**

A.2 - Operation

Conceptual Buildout
World Logistics Center
Prepared by Michael Brandman Associates
1/16/2013

Year	Thousand Square Feet added to Operation			Gas Station (pumps)	Cumulative Logistics Square Feet in Operation
	Logistics	Light Logistics	Convenience Store		
2014	5,302	46	0	0	5,348
2015	5,696	154	0	0	11,198
2016	3,700	0	0	0	14,898
2017	6,552	0	3	12	21,450
2018	8,000	0	0	0	29,450
2019	4,450	0	0	0	33,900
2020	3,500	0	0	0	37,400
2021	3,200	0	0	0	40,600
2022	1,000	0	0	0	41,600

Summary of Regional Emissions
World Logistics Center
Prepared by Michael Brandman Associates
1/16/2013

Operational Summer by source (pounds/day)

Year	Source	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
worstcase	Local	283	346	3,861	6	683	42	561,298
	Trucks	1,129	14,510	5,995	15	1,473	622	2,306,298
	Area	260	7	6	0	1	1	
2014	Local	31	36	420	1	88	5	71,931
	Trucks	44	351	224	2	130	19	309,868
	Area	33	1	1	0	0	0	
2015	Local	60	70	818	2	186	12	147,313
	Trucks	92	766	469	4	276	42	649,317
	Area	70	2	2	0	0	0	
2016	Local	75	84	1,023	2	246	16	191,222
	Trucks	122	1,034	618	5	367	56	856,095
	Area	93	2	2	0	0	0	
2017	Local	105	113	1,394	3	358	23	267,909
	Trucks	177	1,521	892	8	527	81	1,211,069
	Area	134	4	3	0	0	0	
2018	Local	133	141	1,763	4	488	23	352,607
	Trucks	237	2,070	1,190	11	722	84	1,631,832
	Area	184	5	4	0	0	0	
2019	Local	146	146	1,891	5	560	26	391,072
	Trucks	269	2,377	1,341	12	830	97	1,846,878
	Area	211	6	5	0	0	0	
2020	Local	152	151	1,952	5	617	28	414,107
	Trucks	292	2,615	1,452	14	915	108	1,992,361
	Area	233	6	5	0	0	0	
2021	Local	153	150	2,013	6	670	31	444,532
	Trucks	315	2,841	1,558	15	993	118	2,171,331
	Area	253	7	6	0	0	0	
2022	Local	152	144	1,947	6	686	32	448,623
	Trucks	322	2,913	1,571	15	1,019	121	2,225,087
	Area	260	7	6	0	1	1	

Operational Summer total (pounds/day)

Year	Totals	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2012 (worstcase)		1,672	14,863	9,861	21	2,157	664	2,867,596
2014		108	388	645	3	218	25	381,800
2015		222	838	1,288	6	462	54	796,630
2016		290	1,121	1,643	8	613	72	1,047,317
2017		415	1,638	2,289	11	885	105	1,478,979
2018		554	2,215	2,957	15	1,210	107	1,984,439
2019		626	2,528	3,237	17	1,390	123	2,237,950
2020		678	2,772	3,409	19	1,533	137	2,406,468
2021		721	2,998	3,577	21	1,663	149	2,615,863
2022		733	3,064	3,524	21	1,705	153	2,673,710

Summary of Regional Emissions
World Logistics Center
Prepared by Michael Brandman Associates
1/16/2013

Operational Winter by Source (pounds/day)

Year	Source	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
worst case	Local	278	382	3,402	5	683	42	499,353
	Trucks	1,148	15,400	6,148	15	1,476	624	2,302,174
	Area	260	7	6	0	1	1	
2014	Local	30	41	368	1	88	5	63,977
	Trucks	46	349	248	2	130	19	309,327
	Area	33	1	1	0	0	0	
2015	Local	59	77	715	1	186	12	130,982
	Trucks	97	760	519	4	277	42	648,165
	Area	70	2	2	0	0	0	
2016	Local	71	93	892	2	246	16	170,101
	Trucks	128	1,025	683	5	367	57	854,564
	Area	93	2	2	0	0	0	
2017	Local	102	126	1,218	3	358	23	238,360
	Trucks	185	1,504	994	8	528	82	1,208,662
	Area	134	4	3	0	0	0	
2018	Local	129	157	1,540	4	488	23	313,652
	Trucks	248	2,068	1,328	11	843	85	1,628,628
	Area	184	5	4	0	0	0	
2019	Local	138	162	1,648	4	560	26	347,797
	Trucks	282	2,348	1,496	12	831	98	1,843,235
	Area	211	6	5	0	0	0	
2020	Local	144	162	1,700	5	617	28	368,170
	Trucks	306	2,582	1,622	14	916	108	1,988,403
	Area	233	6	5	0	0	0	
2021	Local	152	166	1,746	5	670	31	395,232
	Trucks	330	2,803	1,739	15	994	119	2,167,008
	Area	253	7	6	0	0	0	
2022	Local	149	153	1,687	5	686	32	398,818
	Trucks	337	2,873	1,756	15	1,019	122	2,220,608
	Area	260	7	6	0	1	1	

Operational Winter total (pounds/day)

Year	Totals	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2012 (worstcase)		1,685	15,789	9,556	20	2,159	667	2,801,527
2014		109	390	616	3	218	25	373,304
2015		226	839	1,236	6	463	54	779,147
2016		291	1,121	1,577	7	614	73	1,024,665
2017		421	1,634	2,216	11	886	105	1,447,022
2018		561	2,230	2,872	15	1,331	108	1,942,281
2019		631	2,515	3,148	17	1,391	124	2,191,032
2020		683	2,751	3,327	18	1,533	137	2,356,573
2021		735	2,975	3,491	20	1,664	150	2,562,241
2022		745	3,033	3,448	21	1,706	154	2,619,426

Summary of Regional Emissions
World Logistics Center
Prepared by Michael Brandman Associates
1/16/2013

Unmitigated Construction (pounds/day)

	VOC	NOx	CO	PM10	PM2.5
Year 1	705	5,793	2,867	377	284
Year 2	472	2,335	1,353	167	136
Year 3	443	2,084	1,250	149	123
Year 4	343	1,331	934	110	91
Year 5	547	4,076	2,411	286	194
Year 6	400	1,781	1,334	133	96
Year 7	377	1,608	1,248	117	86
Year 8	270	942	873	76	57
Year 9	270	942	873	76	57

Combined Operation (Summer) + Construction (pounds/day)

	VOC	NOx	CO	SO2	PM10	PM2.5
2013	705	5,793	2,867	0	377	284
2014	580	2,723	1,998	3	385	161
2015	665	2,922	2,538	6	611	177
2016	633	2,452	2,577	8	723	163
2017	962	5,714	4,700	11	1,171	299
2018	954	3,996	4,291	15	1,343	203
2019	1,003	4,136	4,485	17	1,507	209
2020	948	3,714	4,282	19	1,609	194
2021	991	3,940	4,450	21	1,739	206
2022	733	3,064	3,524	21	1,705	153

Combined Operation (Winter) + Construction (pounds/day)

	VOC	NOx	CO	SO2	PM10	PM2.5
2013	705	5,793	2,867	0	377	284
2014	581	2,725	1,969	3	385	161
2015	669	2,923	2,486	6	612	177
2016	634	2,452	2,511	7	724	164
2017	968	5,710	4,627	11	1,172	299
2018	961	4,011	4,206	15	1,464	204
2019	1,008	4,123	4,396	17	1,508	210
2020	953	3,693	4,200	18	1,609	194
2021	1,005	3,917	4,364	20	1,740	207
2022	745	3,033	3,448	21	1,706	154

Summary of Regional Emissions
World Logistics Center
Prepared by Michael Brandman Associates
1/16/2013

Mitigated Mitigation reduction from local: 3.0%
Summer Operational

Year	Source	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2012	Local	275	336	3,745	6	662	41	544,459
	Trucks	1,129	14,510	5,995	15	1,473	622	2,306,298
	Area	260	7	6	0	1	1	0
2014	Local	30	35	407	1	85	5	69,774
	Trucks	44	351	224	2	130	19	309,868
	Area	33	1	1	0	0	0	0
2015	Local	58	68	793	2	181	12	142,894
	Trucks	92	766	469	4	276	42	649,317
	Area	70	2	2	0	0	0	0
2016	Local	73	82	992	2	239	16	185,485
	Trucks	122	1,034	618	5	367	56	856,095
	Area	93	2	2	0	0	0	0
2017	Local	102	110	1,352	3	347	23	259,872
	Trucks	177	1,521	892	8	527	81	1,211,069
	Area	134	4	3	0	0	0	0
2018	Local	129	137	1,710	4	473	22	342,028
	Trucks	237	2,070	1,190	11	722	84	1,631,832
	Area	184	5	4	0	0	0	0
2019	Local	141	141	1,834	5	544	25	379,340
	Trucks	269	2,377	1,341	12	830	97	1,846,878
	Area	211	6	5	0	0	0	0
2020	Local	148	147	1,893	5	599	28	401,684
	Trucks	292	2,615	1,452	14	915	108	1,992,361
	Area	233	6	5	0	0	0	0
2021	Local	148	145	1,953	6	649	30	431,196
	Trucks	315	2,841	1,558	15	993	118	2,171,331
	Area	253	7	6	0	0	0	0
2022	Local	147	139	1,889	6	665	31	435,164
	Trucks	322	2,913	1,571	15	1,019	121	2,225,087
	Area	260	7	6	0	1	1	0

Mitigated Operational Summer total (pounds/day)

Year	Totals	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2012 (worstcase)		1,663	14,852	9,745	21	2,136	663	2,850,757
2014		108	387	632	3	215	25	379,642
2015		220	836	1,264	6	457	54	792,211
2016		288	1,118	1,612	8	606	72	1,041,580
2017		412	1,634	2,247	11	874	104	1,470,942
2018		550	2,211	2,904	15	1,195	107	1,973,860
2019		622	2,523	3,180	17	1,374	123	2,226,218
2020		673	2,768	3,350	19	1,514	136	2,394,045
2021		716	2,994	3,517	21	1,643	148	2,602,527
2022		729	3,060	3,466	21	1,684	152	2,660,252

Summary of Regional Emissions
World Logistics Center
Prepared by Michael Brandman Associates
1/16/2013

Construction Mitigated

Year	VOC	NOx	CO	PM10	PM2.5
2013	260	1,594	1,716	169	114
2014	350	1,709	1,834	179	121
2015	219	860	974	85	60
2016	160	547	650	61	41
2017	248	1,529	1,653	86	32
2018	351	1,745	1,868	94	36
2019	221	902	1,024	45	17
2020	146	509	616	31	11
2021	146	509	616	31	11

Mitigated Combined Operation & Construction

Year	VOC	NOx	CO	SO2	PM10	PM2.5
2013	260	1,594	1,716	0	169	114
2014	457	2,096	2,466	3	394	145
2015	439	1,696	2,237	6	542	114
2016	448	1,666	2,262	8	666	113
2017	661	3,163	3,900	11	960	136
2018	901	3,956	4,773	15	1,289	143
2019	843	3,426	4,205	17	1,419	140
2020	819	3,277	3,966	19	1,545	147
2021	862	3,503	4,132	21	1,674	160
2022	729	3,060	3,466	21	1,684	152

Area Source Emissions
World Logistics Center
Prepared by Michael Brandman Associates
1/16/2013

Consumer Products

Year	Emission Factor (pounds VOC/day/sf)	Square Feet	VOC emissions (pounds/day)
2014	4.95E-06	5,348,000	26
2015	4.95E-06	11,198,000	55
2016	4.95E-06	14,898,000	74
2017	4.95E-06	21,450,000	106
2018	4.95E-06	29,450,000	146
2019	4.95E-06	33,900,000	168
2020	4.95E-06	37,400,000	185
2021	4.95E-06	40,600,000	201
2022	4.95E-06	41,600,000	206

Source of emission factor: South Coast Air Quality Management District. CalEEMod.

Architectural Coating

Year	Square Feet	Percent of Total	Painting Emissions (VOC pounds/day)
2014	5,348,000	13%	6.8
2015	11,198,000	27%	14.2
2016	14,898,000	36%	18.9
2017	21,450,000	52%	27.2
2018	29,450,000	71%	37.4
2019	33,900,000	81%	43.0
2020	37,400,000	90%	47.5
2021	40,600,000	98%	51.5
2022	41,600,000	100%	52.8

Source of 2022 emissions: CalEEMod output
Source of other emissions: A percentage based on the square feet.

Natural Gas

	Emissions (pounds/day)					
Year	VOC	NOx	CO	SOx	PM10	PM2.5
2014	0.1	0.9	0.7	0.0	0.1	0.1
2015	0.2	1.9	1.6	0.0	0.1	0.1
2016	0.3	2.5	2.1	0.0	0.2	0.2
2017	0.4	3.6	3.0	0.0	0.3	0.3
2018	0.6	4.9	4.1	0.0	0.4	0.4
2019	0.7	5.6	4.7	0.0	0.4	0.4
2020	0.7	6.2	5.2	0.0	0.4	0.4
2021	0.8	6.7	5.7	0.0	0.5	0.5
2022	0.8	6.9	5.8	0.0	0.5	0.5

Source of 2022 emissions: CalEEMod output
Source of other emissions: A percentage based on the square feet.

Annual Emissions
World Logistics Center
Prepared by Michael Brandman Associates
1/16/2013

Construction

	MTCO2e
2013	95692
2014	37927
2015	31634
2016	26947
2017	94510
2018	41743
2019	34665
2020	26818
2021	26818
Refrigerant installation	894
Land use change	16523
Average (30yrs)	14472

Operation

		Emissions (tons/year)						
Year	**Source**	**VOC**	**NOx**	**CO**	**SO2**	**PM10**	**PM2.5**	**MTCO2e**
2012	Local	48.00	63.81	646.53	1.00	113.51	7.67	85,593
	Trucks	206.64	2,644.49	1,106.03	2.76	254.06	113.31	380,401
	Electricity							112,888
	Natural gas							1,379
	Water							2,325
	Waste							153,318
	Refrigerants							1,412
	Construction							14,472
	Total							**751,788**
2014	Local	5.08	6.72	69.84	0.13	14.58	0.98	10,967
	Trucks	8.16	63.51	43.46	0.36	21.84	3.52	51,111
	Electricity							14,513
	Natural gas							177
	Water							299
	Waste							19,710
	Refrigerants							182
	Construction							37,927
	Total							**134,886**
2015	Local	10.05	13.02	136.08	0.27	30.95	2.20	22,457
	Trucks	17.05	138.65	90.89	0.75	46.39	7.63	107,099
	Electricity							30,387
	Natural gas							371
	Water							626
	Waste							41,271
	Refrigerants							380
	Construction							31,634
	Total							**234,225**
2016	Local	12.41	15.87	169.73	0.36	40.98	2.91	29,158
	Trucks	22.53	187.03	119.61	1.00	61.60	10.28	141,204
	Electricity							40,428
	Natural gas							494
	Water							833
	Waste							54,907
	Refrigerants							506
	Construction							26,947
	Total							**294,476**

2017	Local	17.27	21.08	232.18	0.53	59.47	4.23	40,858
	Trucks	32.63	274.91	173.36	1.43	88.57	14.83	199,737
	Electricity							58,208
	Natural gas							711
	Water							1,199
	Waste							79,055
	Refrigerants							728
	Construction							94,510
	Total							**475,004**
2018	Local	22.64	25.93	292.63	0.72	81.15	4.10	53,767
	Trucks	43.73	374.21	231.34	1.96	121.28	15.42	269,134
	Electricity							79,917
	Natural gas							976
	Water							1,646
	Waste							108,539
	Refrigerants							1,000
	Construction							41,743
	Total							**556,723**
2019	Local	23.22	26.78	313.46	0.83	93.21	4.70	59,625
	Trucks	49.64	429.62	260.24	2.26	139.39	17.72	304,600
	Electricity							91,993
	Natural gas							1,124
	Water							1,895
	Waste							124,939
	Refrigerants							1,151
	Construction							34,665
	Total							**619,991**
2020	Local	24.41	27.83	322.52	0.91	102.69	5.18	63,122
	Trucks	53.87	472.61	281.88	2.49	153.70	19.66	328,592
	Electricity							101,491
	Natural gas							1,240
	Water							2,090
	Waste							137,839
	Refrigerants							1,269
	Construction							26,818
	Total							**662,461**
2021	Local	25.62	27.59	332.46	0.99	111.36	5.62	67,763
	Trucks	58.09	513.04	301.89	2.70	166.93	21.50	358,109
	Electricity							110,174
	Natural gas							1,346
	Water							2,269
	Waste							149,632
	Refrigerants							1,378
	Construction							26,818
	Total							**717,490**
2022	Local	25.33	26.47	321.52	1.01	114.07	5.76	68,381
	Trucks	59.35	525.98	304.40	2.77	171.16	22.06	366,971
	Electricity							112,888
	Natural gas							1,379
	Water							2,325
	Waste							153,318
	Refrigerants							1,412
	Construction							14,472
	Total							**721,146**

Greenhouse Gas Emissions Summary
World Logistics Center
Prepared by Michael Brandman Associates

Unmitigated, without project design features

	2014	2015	2016	2017	2018	2019	2020	2021	2022
Local	10,967	22,457	29,158	40,858	53,767	59,625	63,122	67,763	68,381
Trucks	51,111	107,099	141,204	199,737	269,134	304,600	328,592	358,109	366,971
Electricity	14,513	30,387	40,428	58,208	79,917	91,993	101,491	110,174	112,888
Natural gas	177	371	494	711	976	1,124	1,240	1,346	1,379
Water	299	626	833	1,199	1,646	1,895	2,090	2,269	2,325
Waste	19,710	41,271	54,907	79,055	108,539	124,939	137,839	149,632	153,318
Refrigerants	182	380	506	728	1,000	1,151	1,269	1,378	1,412
Construction	37,927	31,634	26,947	94,510	41,743	34,665	26,818	26,818	14,472
Sequestration	-14	-30	-40	-57	-79	-90	-100	-108	-111
Total	**134,871**	**234,195**	**294,437**	**474,947**	**556,644**	**619,901**	**662,362**	**717,382**	**721,035**

Mitigated, Project Design Features

Percent reduction from local vehicles: 3.0%

Percent reduction from waste: 35.0%

	2014	2015	2016	2017	2018	2019	2020	2021	2022
Local	10,638	21,784	28,283	39,632	52,154	57,836	61,228	65,730	66,329
Trucks	51,111	107,099	141,204	199,737	269,134	304,600	328,592	358,109	366,971
Electricity	14,513	30,387	40,428	58,208	79,917	91,993	101,491	110,174	112,888
Natural gas	177	371	494	711	976	1,124	1,240	1,346	1,379
Water	299	626	833	1,199	1,646	1,895	2,090	2,269	2,325
Waste	12,812	26,826	35,690	51,385	70,550	81,211	89,595	97,261	99,657
Refrigerants	182	380	506	728	1,000	1,151	1,269	1,378	1,412
Construction	37,927	31,634	26,947	94,510	41,743	34,665	26,818	26,818	14,472
Sequestration	-14	-30	-40	-57	-79	-90	-100	-108	-111
Total	**127,644**	**219,077**	**274,345**	**446,052**	**517,042**	**574,383**	**612,224**	**662,978**	**665,322**

Greenhouse Gas Emissions, as Percent of Total
World Logistics Center
Prepared by Michael Brandman Associates
1/16/2013

Unmitigated, without Project Design Emissions

Year	Square Feet	Percent of Total	Water/ Wastewater Emissions (MTCO2e/year)	Refrigerant Emissions (MTCO2e/year)	Waste Emissions (MTCO2e/year)	Natural Gas (MTCO2e/year)	Electricity (MTCO2e/year)
2014	5,348,000	13%	299	182	19710	177	14513
2015	11,198,000	27%	626	380	41271	371	30387
2016	14,898,000	36%	833	506	54907	494	40428
2017	21,450,000	52%	1199	728	79055	711	58208
2018	29,450,000	71%	1646	1000	108539	976	79917
2019	33,900,000	81%	1895	1151	124939	1124	91993
2020	37,400,000	90%	2090	1269	137839	1240	101491
2021	40,600,000	98%	2269	1378	149632	1346	110174
2022	41,600,000	100%	2325	1412	153318	1379	112888

Source of 2022 water, waste, and natural gas emissions: CalEEMod output
Source of 2022 refrigerant emissions: Spreadsheet prepared by Michael Brandman Associates
Source of emissions for 2014-2021: A percentage based on the square feet.

Carbon Sequestration

Year	Square Feet	Percent of Total	Sequestration (MTCO2e/year)
2014	5348000	13%	-14
2015	11198000	27%	-30
2016	14898000	36%	-40
2017	21450000	52%	-57
2018	29450000	71%	-79
2019	33900000	81%	-90
2020	37400000	90%	-100
2021	40600000	98%	-108
2022	41600000	100%	-111

Source of 2022 sequestration: Michael Brandman Associates (refer to the Air Quality, Greenhouse Gas, and Health Risk Assessment Report, modeling assumptions section)

Road Segment Calculations for Carbon Sequestration Purposes
World Logistics Center
Prepared by Michael Brandman Associates
1/16/2013

ID	Arterial	From	To	Segment Length (m)	Segment Length (feet)
1	Street A	State Route 60	Eucalyptus Ave	327	1073
2	Street A	Eucalyptus Ave	Street F	614	2014
3	Street E	west of Street A		1181	3874
4	Street E	north of Alessandro Blvd		934	3064
5	Street E	Street D	Street A	1060	3477
6	Street A	Street F	Street C	1163	3815
7	Street A	south of Street C		535	1755
8	Street D	Street E	Cactus Ave	1143	3749
11	Redlands Blvd	Dracaea Ave	Alessandro Blvd	1201	3939
12	Redlands Blvd	Eucalyptus Ave	Dracaea Ave	824	2703
14	Eucalyptus Ave	east of Redlands Blvd		897	2942
15	Eucalyptus Ave	west of Street A		734	2408
18	State Route 60	Redlands Blvd	Theodore St	780	2558
18a	State Route 60	Theodore St	Gilman Springs Rd	648	2125
19	Street B	east of Street A		1347	4418
20	Street F	east of Street A		1067	3500
21	Street F	north of Street C		664	2178
22	Street C	east of Street A		704	2309
23	Street C	west of Street F		448	1469
24	Street F	Street C	Street G	1443	4733
25	Street C	Street F	Street H	265	869
26	Street C	Street H	Gilman Springs Rd	417	1368
27	Street H	Street C	Street G	347	1138
28	Street G	east of Street H		1459	4786
29	Street G	Street F	Street H	564	1850
30	Gilman Springs Rd	State Route 60	Eucalyptus Ave	2174	7131
31	Gilman Springs Rd	Eucalyptus Ave	Street C	1563	5127
	Total			**24503**	**80370**

Source: Health Risk Assessment spreadsheets, measured using AERMOD

Air Conditioning and Refrigeration Fugitive Emissions - Installation

Project: World Logistics Center
Prepared by: Michael Brandman Associates
Prepared on: 12/11/2012

Land Use	Building Area (SF)
Unrefrigerated warehouse	39,517,000
Store	3,000
Office	2,080,000
Total	41,600,000

Type of Unit	Units	Average charge (lbs)	Average charge (kg)	Annual Leak Rate in percent of capacity	Emissions (kg/year)	Emissions (tons/year)	Average Global Warming Potential	MTCO2e per year
Air conditioning Systems								
Unitary A/C - small	417.0	100	45	3%	567	0.62	1500	849

Sources:

- General methodology and leak rate: U.S. Environmental Protection Agency, Climate Leaders. May 2008. Direct HFC and PFC Emissions from Use of Refrigeration and Air Conditioning Equipment. EPA430-K-03-004. http://www.epa.gov/stateply/documents/resources/mfgrfg.pdf
- Number of units: It is assumed that there would be one unitary A/C for every 5,000 square feet of office space and one for the store.
- Average charge and Global Warming Potential: South Coast Air Quality Management District. Draft Environmental Assessment for Proposed Amended Rule 1415 – Reduction of Refrigerant Emissions from Stationary Refrigeration and Air Conditioning Systems and Proposed Rule 1415.1 – Reduction of Refrigerant Emissions from Stationary Refrigeration Systems. November 2010. Website: http://www.aqmd.gov/ceqa/documents/2010/aqmd/finalEA/1415DEA.pdf (Table B-1)

Air Conditioning and Refrigeration Fugitive Emissions - Operating Conditions

Project: World Logistics Center
Prepared by: Michael Brandman Associates
Prepared on: 12/11/2012

Land Use	Building Area (SF)
Unrefrigerated warehouse	39,517,000
Store	3,000
Office	2,080,000
Total	41,600,000

Type of Unit	Units	Average charge (lbs)	Average charge (kg)	Annual Leak Rate in percent of capacity	Emissions (kg/year)	Emissions (tons/year)	Average Global Warming Potential	MTCO2e per year
With Regulations								
Air conditioning Systems								
Unitary A/C - small	416.0	100	45	5%	943	1.04	1500	1,412

Sources:
- General methodology: U.S. Environmental Protection Agency, Climate Leaders. May 2008. Direct HFC and PFC Emissions from Use of Refrigeration and Air Conditioning Equipment. EPA430-K-03-004. http://www.epa.gov/stateply/documents/resources/mfgrfg.pdf
- Number of units: It is assumed that there would be one unitary A/C for every 5,000 square feet of office space and one for the store
- "With regulation" refers to a change in the annual leak rate pursuant to California Air Resources Board Stationary Equipment Refrigerant Management Program. http://www.arb.ca.gov/cc/reftrack/reftrack.htm.
- With regulation/rule annual leak rate, average charge, and Global Warming Potential: South Coast Air Quality Management District. Draft Environmental Assessment for Proposed Amended Rule 1415 – Reduction of Refrigerant Emissions from Stationary Refrigeration and Air Conditioning Systems and Proposed Rule 1415.1 – Reduction of Refrigerant Emissions from Stationary Refrigeration Systems. November 2010. Website: http://www.aqmd.gov/ceqa/documents/2010/aqmd/finalEA/1415DEA.pdf (Table B-1)

World Logistics Center - Operation Area at Buildout

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	39517	1000sqft
General Office Building	2080	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

5.0 Energy Detail

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
Convenience Market (24 Hour)	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gasoline/Service Station	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	2.56838e+007	0.14	1.26	1.06	0.01		0.00	0.10		0.00	0.10	0.00	1,370.59	1,370.59	0.03	0.03	1,378.93
Unrefrigerated Warehouse-No Rail	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		**0.14**	**1.26**	**1.06**	**0.01**		**0.00**	**0.10**		**0.00**	**0.10**	**0.00**	**1,370.59**	**1,370.59**	**0.03**	**0.03**	**1,378.93**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Convenience Market (24 Hour)	0					0.00	0.00	0.00	0.00
Gasoline/Service Station	0					0.00	0.00	0.00	0.00
General Office Building	1.92858e+007					5,609.66	0.25	0.10	5,644.82
Unrefrigerated Warehouse-No Rail	3.66402e+008					106,575	4.82	1.83	107,243
Total						**112,185.14**	**5.07**	**1.93**	**112,888.24**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	47.21	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unmitigated	47.21	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.63					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	37.58					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**47.21**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

7.0 Water Detail

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Convenience Market (24 Hour)	0 / 0					0.00	0.00	0.00	0.00
General Office Building	0 / 0					0.00	0.00	0.00	0.00
Unrefrigerated Warehouse-No Rail	151.84 / 495.67					2,178.58	4.73	0.15	2,325.19
Total						**2,178.58**	**4.73**	**0.15**	**2,325.19**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					44,468.47	2,628.01	0.00	99,657
Unmitigated					68,413.03	4,043.09	0.00	153,318
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Convenience Market (24 Hour)	1					0.20	0.01	0.00	0.45
Gasoline/Service Station	46					9.34	0.55	0.00	20.93
General Office Building	24794					5,032.96	297.44	0.00	11,279.18
Unrefrigerated Warehouse-No Rail	312184					63,370.53	3,745.09	0.00	142,017
Total						**68,413.03**	**4,043.09**	**0.00**	**153,318.00**

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Convenience Market (24 Hour)	0.65					0.13	0.01	0.00	0.30
Gasoline/Service Station	29.9					6.07	0.36	0.00	13.60
General Office Building	16116.1					3,271.42	193.34	0.00	7,331.47
Unrefrigerated Warehouse-No Rail	202920					41,190.84	2,434.31	0.00	92,311.34
Total						**44,468.46**	**2,628.02**	**0.00**	**99,656.71**

9.0 Vegetation

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons				MT			
Unmitigated					-16,523.00	0.00	0.00	-16,523.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

9.1 Vegetation Land Change

Vegetation Type

	Initial/Final	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	Acres	tons				MT			
Cropland	2710 / 45					-16,523.00	0.00	0.00	-16,523
Total						**-16,523.00**	**0.00**	**0.00**	**-16,523.00**

World Logistics Center - Operation Area at Buildout

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	39517	1000sqft
General Office Building	2080	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

5.0 Energy Detail

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Convenience Market (24 Hour)	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Gasoline/Service Station	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
General Office Building	70366.7	0.76	6.90	5.79	0.04		0.00	0.52		0.00	0.52		8,278.43		0.16	0.15	8,328.81
Unrefrigerated Warehouse-No Rail	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Total		**0.76**	**6.90**	**5.79**	**0.04**		**0.00**	**0.52**		**0.00**	**0.52**		**8,278.43**		**0.16**	**0.15**	**8,328.81**

6.0 Area Detail

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	52.78					0.00	0.00		0.00	0.00						0.00
Consumer Products	205.92					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**258.70**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

World Logistics Center - Operation Local Vehicles - 2012 Buildout Worst Case

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	41400	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	6	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	48.00	63.81	646.53	1.00	109.81	3.70	113.51	3.97	3.70	7.67	0.00	85,493.03	85,493.03	4.74	0.00	85,592.55
Unmitigated	48.00	63.81	646.53	1.00	109.81	3.70	113.51	3.97	3.70	7.67	0.00	85,493.03	85,493.03	4.74	0.00	85,592.55
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	55,062.00	55,062.00	55062.00	197,348,545	197,348,545
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	542.16	542.16	542.16	242,973	242,973
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	786,824
Total	57,923.85	57,923.85	57,923.85	200,399,783	200,399,783

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2012 Buildout Worst Case

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	41400	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	6	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	283.23	346.24	3,860.67	5.95	662.32	20.31	682.63	21.83	20.31	42.14		560,651.94		30.74		561,297.52
Unmitigated	283.23	346.24	3,860.67	5.95	662.32	20.31	682.63	21.83	20.31	42.14		560,651.94		30.74		561,297.52
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	55,062.00	55,062.00	55062.00	197,348,545	197,348,545
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	542.16	542.16	542.16	242,973	242,973
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	786,824
Total	57,923.85	57,923.85	57,923.85	200,399,783	200,399,783

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2012 Buildout Worst Case

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	41400	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	6	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	278.12	382.37	3,402.15	5.25	662.32	20.31	682.63	21.83	20.31	42.14		498,749.61		28.71		499,352.57
Unmitigated	278.12	382.37	3,402.15	5.25	662.32	20.31	682.63	21.83	20.31	42.14		498,749.61		28.71		499,352.57
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	55,062.00	55,062.00	55062.00	197,348,545	197,348,545
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	542.16	542.16	542.16	242,973	242,973
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	786,824
Total	57,923.85	57,923.85	57,923.85	200,399,783	200,399,783

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Long Haul Trucks - 2012 Buildout Worst Case

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	41400	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	206.64	2,644.49	1,106.03	2.76	151.94	102.11	254.06	11.19	102.11	113.31	0.00	380,229	380,229	8.17	0.00	380,401
Unmitigated	206.64	2,644.49	1,106.03	2.76	151.94	102.11	254.06	11.19	102.11	113.31	0.00	380,229	380,229	8.17	0.00	380,401
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	14,490.00	14,490.00	14490.00	263,718,000	263,718,000
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	15,379.36	15,379.36	15,379.36	266,499,033	266,499,033

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Long Haul Trucks - 2012 Buildout Worst Case

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	41400	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,129.07	14,509.73	5,994.73	15.17	913.27	560.20	1,473.47	61.52	560.20	621.72		2,305,267		49		2,306,298
Unmitigated	1,129.07	14,509.73	5,994.73	15.17	913.27	560.20	1,473.47	61.52	560.20	621.72		2,305,267		49		2,306,298
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	14,490.00	14,490.00	14490.00	263,718,000	263,718,000
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	15,379.36	15,379.36	15,379.36	266,499,033	266,499,033

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Long Haul Trucks - 2012 Buildout Worst Case

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	41400	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,147.56	15,400.04	6,147.58	15.18	913.27	562.86	1,476.14	61.52	562.86	624.38		2,301,130		50		2,302,174
Unmitigated	1,147.56	15,400.04	6,147.58	15.18	913.27	562.86	1,476.14	61.52	562.86	624.38		2,301,130		50		2,302,174
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	14,490.00	14,490.00	14490.00	263,718,000	263,718,000
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	15,379.36	15,379.36	15,379.36	266,499,033	266,499,033

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Local Vehicles - 2014

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	5302.25	1000sqft
General Light Industry	45.5	1000sqft
Gasoline/Service Station	0	Pump
Convenience Market (24 Hour)	0	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.08	6.72	69.84	0.13	14.10	0.47	14.58	0.51	0.47	0.98	0.00	10,957.63	10,957.63	0.46	0.00	10,967.36
Unmitigated	5.08	6.72	69.84	0.13	14.10	0.47	14.58	0.51	0.47	0.98	0.00	10,957.63	10,957.63	0.46	0.00	10,967.36
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	7,051.99	7,051.99	7051.99	25,275,153	25,275,153
General Light Industry	128.31	128.31	128.31	459,878	459,878
Gasoline/Service Station	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Total	7,180.30	7,180.30	7,180.30	25,735,030	25,735,030

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2014

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	5302.25	1000sqft
General Light Industry	45.5	1000sqft
Gasoline/Service Station	0	Pump
Convenience Market (24 Hour)	0	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	30.95	36.12	419.76	0.76	85.05	2.60	87.66	2.80	2.60	5.41		71,873.20		2.78		71,931.49
Unmitigated	30.95	36.12	419.76	0.76	85.05	2.60	87.66	2.80	2.60	5.41		71,873.20		2.78		71,931.49
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	7,051.99	7,051.99	7051.99	25,275,153	25,275,153
General Light Industry	128.31	128.31	128.31	459,878	459,878
Gasoline/Service Station	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Total	7,180.30	7,180.30	7,180.30	25,735,030	25,735,030

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2014

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	5302.25	1000sqft
General Light Industry	45.5	1000sqft
Gasoline/Service Station	0	Pump
Convenience Market (24 Hour)	0	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	29.63	40.74	367.63	0.68	85.05	2.60	87.66	2.80	2.60	5.41		63,917.89		2.81		63,976.82
Unmitigated	29.63	40.74	367.63	0.68	85.05	2.60	87.66	2.80	2.60	5.41		63,917.89		2.81		63,976.82
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	7,051.99	7,051.99	7051.99	25,275,153	25,275,153
General Light Industry	128.31	128.31	128.31	459,878	459,878
Gasoline/Service Station	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Total	7,180.30	7,180.30	7,180.30	25,735,030	25,735,030

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Long Haul Trucks Only - Phase 2014

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	5302.25	1000sqft
General Light Industry	45.5	1000sqft
Gasoline/Service Station	0	Pump
Convenience Market (24 Hour)	0	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	8.16	63.51	43.46	0.36	19.61	2.24	21.84	1.44	2.07	3.52	0.00	51,093.25	51,093.25	0.83	0.00	51,110.73
Unmitigated	8.16	63.51	43.46	0.36	19.61	2.24	21.84	1.44	2.07	3.52	0.00	51,093.25	51,093.25	0.83	0.00	51,110.73
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	1,855.79	1,855.79	1855.79	33,775,333	33,775,333
General Light Industry	33.67	33.67	33.67	612,794	612,794
Gasoline/Service Station	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Total	1,889.46	1,889.46	1,889.46	34,388,127	34,388,127

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Long Haul Trucks Only - Phase 2014

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	5302.25	1000sqft
General Light Industry	45.5	1000sqft
Gasoline/Service Station	0	Pump
Convenience Market (24 Hour)	0	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	44.12	350.94	224.22	1.96	117.85	12.19	130.04	7.94	11.29	19.23		309,763.55		4.99		309,868.37
Unmitigated	44.12	350.94	224.22	1.96	117.85	12.19	130.04	7.94	11.29	19.23		309,763.55		4.99		309,868.37
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	1,855.79	1,855.79	1855.79	33,775,333	33,775,333
General Light Industry	33.67	33.67	33.67	612,794	612,794
Gasoline/Service Station	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Total	1,889.46	1,889.46	1,889.46	34,388,127	34,388,127

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Long Haul Trucks Only - Phase 2014

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	5302.25	1000sqft
General Light Industry	45.5	1000sqft
Gasoline/Service Station	0	Pump
Convenience Market (24 Hour)	0	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	46.22	348.75	247.65	1.96	117.85	12.44	130.29	7.94	11.55	19.49		309,220.59		5.07		309,326.99
Unmitigated	46.22	348.75	247.65	1.96	117.85	12.44	130.29	7.94	11.55	19.49		309,220.59		5.07		309,326.99
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	1,855.79	1,855.79	1855.79	33,775,333	33,775,333
General Light Industry	33.67	33.67	33.67	612,794	612,794
Gasoline/Service Station	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Total	1,889.46	1,889.46	1,889.46	34,388,127	34,388,127

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Local Vehicles - 2015

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	10997.75	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	0	Pump
Convenience Market (24 Hour)	0	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	10.05	13.02	136.08	0.27	29.83	1.12	30.95	1.08	1.12	2.20	0.00	22,437.86	22,437.86	0.93	0.00	22,457.31
Unmitigated	10.05	13.02	136.08	0.27	29.83	1.12	30.95	1.08	1.12	2.20	0.00	22,437.86	22,437.86	0.93	0.00	22,457.31
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	14,627.01	14,627.01	14627.01	52,424,878	52,424,878
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Total	15,191.01	15,191.01	15,191.01	54,446,319	54,446,319

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2015

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	10997.75	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	0	Pump
Convenience Market (24 Hour)	0	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	59.60	70.01	817.51	1.61	179.94	6.15	186.09	5.93	6.15	12.08		147,190		5.87		147,313
Unmitigated	59.60	70.01	817.51	1.61	179.94	6.15	186.09	5.93	6.15	12.08		147,190		5.87		147,313
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	14,627.01	14,627.01	14627.01	52,424,878	52,424,878
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Total	15,191.01	15,191.01	15,191.01	54,446,319	54,446,319

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2015

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	10997.75	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	0	Pump
Convenience Market (24 Hour)	0	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	59.18	77.06	715.34	1.44	179.94	6.15	186.09	5.93	6.15	12.08		130,877		4.98		130,982
Unmitigated	59.18	77.06	715.34	1.44	179.94	6.15	186.09	5.93	6.15	12.08		130,877		4.98		130,982
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	14,627.01	14,627.01	14627.01	52,424,878	52,424,878
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Total	15,191.01	15,191.01	15,191.01	54,446,319	54,446,319

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Long Haul Trucks Only - 2015

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	10997.75	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	0	Pump
Convenience Market (24 Hour)	0	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	17.05	138.65	90.89	0.75	41.48	4.91	46.39	3.06	4.57	7.63	0.00	107,062	107,062	1.75	0.00	107,099
Unmitigated	17.05	138.65	90.89	0.75	41.48	4.91	46.39	3.06	4.57	7.63	0.00	107,062	107,062	1.75	0.00	107,099
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	3,849.21	3,849.21	3849.21	70,055,668	70,055,668
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Total	3,997.21	3,997.21	3,997.21	72,749,268	72,749,268

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Long Haul Trucks Only - 2015

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	10997.75	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	0	Pump
Convenience Market (24 Hour)	0	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	92.22	766.21	469.13	4.15	249.31	26.80	276.11	16.79	24.90	41.70		649,095		11		649,317
Unmitigated	92.22	766.21	469.13	4.15	249.31	26.80	276.11	16.79	24.90	41.70		649,095		11		649,317
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	3,849.21	3,849.21	3849.21	70,055,668	70,055,668
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Total	3,997.21	3,997.21	3,997.21	72,749,268	72,749,268

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Long Haul Trucks Only - 2015

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	10997.75	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	0	Pump
Convenience Market (24 Hour)	0	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	96.54	760.37	519.04	4.15	249.31	27.28	276.58	16.79	25.38	42.18		647,942		11		648,165
Unmitigated	96.54	760.37	519.04	4.15	249.31	27.28	276.58	16.79	25.38	42.18		647,942		11		648,165
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	3,849.21	3,849.21	3849.21	70,055,668	70,055,668
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Total	3,997.21	3,997.21	3,997.21	72,749,268	72,749,268

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Local Vehicles - 2016

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	14697.75	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	0	Pump
Convenience Market (24 Hour)	0	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	12.41	15.87	169.73	0.36	39.50	1.48	40.98	1.43	1.48	2.91	0.00	29,135.03	29,135.03	1.09	0.00	29,157.86
Unmitigated	12.41	15.87	169.73	0.36	39.50	1.48	40.98	1.43	1.48	2.91	0.00	29,135.03	29,135.03	1.09	0.00	29,157.86
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	19,548.01	19,548.01	19548.01	70,062,308	70,062,308
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Total	20,112.01	20,112.01	20,112.01	72,083,749	72,083,749

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2016

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	14697.75	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	0	Pump
Convenience Market (24 Hour)	0	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	75.35	84.39	1,022.88	2.16	238.24	8.14	246.37	7.85	8.14	15.99		191,066		7.43		191,222
Unmitigated	75.35	84.39	1,022.88	2.16	238.24	8.14	246.37	7.85	8.14	15.99		191,066		7.43		191,222
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	19,548.01	19,548.01	19548.01	70,062,308	70,062,308
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Total	20,112.01	20,112.01	20,112.01	72,083,749	72,083,749

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2016

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	14697.75	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	0	Pump
Convenience Market (24 Hour)	0	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	70.96	93.39	891.61	1.92	238.24	8.14	246.37	7.85	8.14	15.99		169,963		6.59		170,101
Unmitigated	70.96	93.39	891.61	1.92	238.24	8.14	246.37	7.85	8.14	15.99		169,963		6.59		170,101
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	19,548.01	19,548.01	19548.01	70,062,308	70,062,308
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Total	20,112.01	20,112.01	20,112.01	72,083,749	72,083,749

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Long Haul Trucks Only - 2016

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	14697.75	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	0	Pump
Convenience Market (24 Hour)	0	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	22.53	187.03	119.61	1.00	54.92	6.69	61.60	4.05	6.23	10.28	0.00	141,168	141,168	2	0	141,204
Unmitigated	22.53	187.03	119.61	1.00	54.92	6.69	61.60	4.05	6.23	10.28	0.00	141,168	141,168	2	0	141,204
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	5,144.21	5,144.21	5144.21	93,624,668	93,624,668
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Total	5,292.21	5,292.21	5,292.21	96,318,268	96,318,268

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Long Haul Trucks Only - 2016

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	14697.75	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	0	Pump
Convenience Market (24 Hour)	0	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	121.99	1,033.91	617.88	5.49	330.08	36.55	366.63	22.24	34.05	56.28		855,880		10		856,095
Unmitigated	121.99	1,033.91	617.88	5.49	330.08	36.55	366.63	22.24	34.05	56.28		855,880		10		856,095
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	5,144.21	5,144.21	5144.21	93,624,668	93,624,668
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Total	5,292.21	5,292.21	5,292.21	96,318,268	96,318,268

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Long Haul Trucks Only - 2016

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	14697.75	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	0	Pump
Convenience Market (24 Hour)	0	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	127.59	1,024.79	683.44	5.49	330.08	37.12	367.19	22.24	34.61	56.85		854,345		10		854,564
Unmitigated	127.59	1,024.79	683.44	5.49	330.08	37.12	367.19	22.24	34.61	56.85		854,345		10		854,564
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	5,144.21	5,144.21	5144.21	93,624,668	93,624,668
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Total	5,292.21	5,292.21	5,292.21	96,318,268	96,318,268

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Local Vehicles - 2017

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	21250	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	17.27	21.08	232.18	0.53	57.31	2.16	59.47	2.07	2.16	4.23	0.00	40,824.29	40,824.29	1.59	0.00	40,857.64
Unmitigated	17.27	21.08	232.18	0.53	57.31	2.16	59.47	2.07	2.16	4.23	0.00	40,824.29	40,824.29	1.59	0.00	40,857.64
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	28,262.50	28,262.50	28262.50	101,296,052	101,296,052
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	1,084.32	1,084.32	1084.32	485,945	485,945
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	786,824
Total	31,666.51	31,666.51	31,666.51	104,590,263	104,590,263

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2017

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	21250	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	104.91	113.48	1,394.03	3.13	345.67	11.85	357.53	11.39	11.85	23.25		267,711		9.45		267,909
Unmitigated	104.91	113.48	1,394.03	3.13	345.67	11.85	357.53	11.39	11.85	23.25		267,711		9.45		267,909
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	28,262.50	28,262.50	28262.50	101,296,052	101,296,052
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	1,084.32	1,084.32	1084.32	485,945	485,945
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	786,824
Total	31,666.51	31,666.51	31,666.51	104,590,263	104,590,263

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2017

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	21250	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	102.26	126.03	1,218.35	2.80	345.67	11.85	357.53	11.39	11.85	23.25		238,158.37		9.62		238,360.45
Unmitigated	102.26	126.03	1,218.35	2.80	345.67	11.85	357.53	11.39	11.85	23.25		238,158.37		9.62		238,360.45
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	28,262.50	28,262.50	28262.50	101,296,052	101,296,052
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	1,084.32	1,084.32	1084.32	485,945	485,945
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	786,824
Total	31,666.51	31,666.51	31,666.51	104,590,263	104,590,263

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Long Haul Trucks Only - 2017

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	21250	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	32.63	274.91	173.36	1.43	78.76	9.81	88.57	5.80	9.03	14.83	0.00	199,686	199,686	2	0	199,737
Unmitigated	32.63	274.91	173.36	1.43	78.76	9.81	88.57	5.80	9.03	14.83	0.00	199,686	199,686	2	0	199,737
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	7,437.50	7,437.50	7437.50	135,362,500	135,362,500
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	8,326.86	8,326.86	8,326.86	138,143,533	138,143,533

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Long Haul Trucks Only - 2017

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	21250	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	176.62	1,520.55	891.56	7.88	473.41	53.58	526.99	31.89	49.29	81.18		1,210,761		15		1,211,069
Unmitigated	176.62	1,520.55	891.56	7.88	473.41	53.58	526.99	31.89	49.29	81.18		1,210,761		15		1,211,069
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	7,437.50	7,437.50	7437.50	135,362,500	135,362,500
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	8,326.86	8,326.86	8,326.86	138,143,533	138,143,533

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Long Haul Trucks Only - 2017

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	21250	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	184.90	1,504.17	994.35	7.88	473.41	54.36	527.77	31.89	50.07	81.96		1,208,351		15		1,208,662
Unmitigated	184.90	1,504.17	994.35	7.88	473.41	54.36	527.77	31.89	50.07	81.96		1,208,351		15		1,208,662
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	7,437.50	7,437.50	7437.50	135,362,500	135,362,500
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	8,326.86	8,326.86	8,326.86	138,143,533	138,143,533

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Local Vehicles - 2018

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	29250	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	22.64	25.93	292.63	0.72	78.21	2.94	81.15	1.16	2.93	4.10	0.00	53,721.67	53,721.67	2.16	0.00	53,767.02
Unmitigated	22.64	25.93	292.63	0.72	78.21	2.94	81.15	1.16	2.93	4.10	0.00	53,721.67	53,721.67	2.16	0.00	53,767.02
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	38,902.50	38,902.50	38902.50	139,431,037	139,431,037
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	1,084.32	1,084.32	1084.32	485,945	485,945
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	786,824
Total	42,306.51	42,306.51	42,306.51	142,725,248	142,725,248

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2018

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	29250	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	133.08	141.04	1,763.35	4.27	471.71	16.16	487.87	6.39	16.13	22.52		352,337.49		12.82		352,606.70
Unmitigated	133.08	141.04	1,763.35	4.27	471.71	16.16	487.87	6.39	16.13	22.52		352,337.49		12.82		352,606.70
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	38,902.50	38,902.50	38902.50	139,431,037	139,431,037
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	1,084.32	1,084.32	1084.32	485,945	485,945
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	786,824
Total	42,306.51	42,306.51	42,306.51	142,725,248	142,725,248

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2018

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	29250	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	129.31	157.22	1,540.05	3.77	471.71	16.16	487.87	6.39	16.13	22.52		313,377.41		13.09		313,652.26
Unmitigated	129.31	157.22	1,540.05	3.77	471.71	16.16	487.87	6.39	16.13	22.52		313,377.41		13.09		313,652.26
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	38,902.50	38,902.50	38902.50	139,431,037	139,431,037
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	1,084.32	1,084.32	1084.32	485,945	485,945
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	786,824
Total	42,306.51	42,306.51	42,306.51	142,725,248	142,725,248

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Long Haul Trucks Only - 2018

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	29250	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	43.73	374.21	231.34	1.96	107.82	13.46	121.28	3.07	12.35	15.42	0.00	269,066	269,066	3	0	269,134
Unmitigated	43.73	374.21	231.34	1.96	107.82	13.46	121.28	3.07	12.35	15.42	0.00	269,066	269,066	3	0	269,134
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	10,237.50	10,237.50	10237.50	186,322,500	186,322,500
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	11,126.86	11,126.86	11,126.86	189,103,533	189,103,533

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Long Haul Trucks Only - 2018

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	29250	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	236.88	2,069.55	1,189.88	10.79	648.04	73.68	721.73	16.88	67.56	84.44		1,631,422		20		1,631,832
Unmitigated	236.88	2,069.55	1,189.88	10.79	648.04	73.68	721.73	16.88	67.56	84.44		1,631,422		20		1,631,832
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	10,237.50	10,237.50	10237.50	186,322,500	186,322,500
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	11,126.86	11,126.86	11,126.86	189,103,533	189,103,533

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Long Haul Trucks Only - 2018

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	29250	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	247.80	2,068.13	1,327.75	10.79	648.04	194.95	842.99	16.88	68.30	85.18		1,628,210		20		1,628,628
Unmitigated	247.80	2,068.13	1,327.75	10.79	648.04	194.95	842.99	16.88	68.30	85.18		1,628,210		20		1,628,628
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	10,237.50	10,237.50	10237.50	186,322,500	186,322,500
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	11,126.86	11,126.86	11,126.86	189,103,533	189,103,533

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Local Vehicles - 2019

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	33700	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	23.22	26.78	313.46	0.83	89.83	3.38	93.21	1.34	3.37	4.70	0.00	59,573.48	59,573.48	2.43	0.00	59,624.61
Unmitigated	23.22	26.78	313.46	0.83	89.83	3.38	93.21	1.34	3.37	4.70	0.00	59,573.48	59,573.48	2.43	0.00	59,624.61
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	44,821.00	44,821.00	44821.00	160,643,622	160,643,622
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	1,084.32	1,084.32	1084.32	485,945	485,945
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	786,824
Total	48,225.01	48,225.01	48,225.01	163,937,833	163,937,833

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2019

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	33700	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	145.51	145.50	1,891.06	4.91	541.81	18.56	560.37	7.34	18.52	25.86		390,763.97		14.67		391,071.94
Unmitigated	145.51	145.50	1,891.06	4.91	541.81	18.56	560.37	7.34	18.52	25.86		390,763.97		14.67		391,071.94
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	44,821.00	44,821.00	44821.00	160,643,622	160,643,622
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	1,084.32	1,084.32	1084.32	485,945	485,945
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	786,824
Total	48,225.01	48,225.01	48,225.01	163,937,833	163,937,833

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2019

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	33700	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	137.85	161.73	1,648.00	4.33	541.81	18.56	560.37	7.34	18.52	25.86		347,486.77		14.75		347,796.55
Unmitigated	137.85	161.73	1,648.00	4.33	541.81	18.56	560.37	7.34	18.52	25.86		347,486.77		14.75		347,796.55
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	44,821.00	44,821.00	44821.00	160,643,622	160,643,622
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	1,084.32	1,084.32	1084.32	485,945	485,945
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	786,824
Total	48,225.01	48,225.01	48,225.01	163,937,833	163,937,833

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Long Haul Trucks Only - 2019

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	33700	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	49.64	429.62	260.24	2.26	123.98	15.41	139.39	3.53	14.19	17.72	0.00	304,523	304,523	4	0	304,600
Unmitigated	49.64	429.62	260.24	2.26	123.98	15.41	139.39	3.53	14.19	17.72	0.00	304,523	304,523	4	0	304,600
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	11,795.00	11,795.00	11795.00	214,669,000	214,669,000
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	12,684.36	12,684.36	12,684.36	217,450,033	217,450,033

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Long Haul Trucks Only - 2019

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	33700	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	269.14	2,376.64	1,341.13	12.40	745.19	84.37	829.55	19.41	77.63	97.04		1,846,413		22		1,846,878
Unmitigated	269.14	2,376.64	1,341.13	12.40	745.19	84.37	829.55	19.41	77.63	97.04		1,846,413		22		1,846,878
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	11,795.00	11,795.00	11795.00	214,669,000	214,669,000
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	12,684.36	12,684.36	12,684.36	217,450,033	217,450,033

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Local Vehicles - 2020

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	37200	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	24.41	27.83	322.52	0.91	98.97	3.72	102.69	1.47	3.71	5.18	0.00	63,073.16	63,073.16	2.32	0.00	63,121.83
Unmitigated	24.41	27.83	322.52	0.91	98.97	3.72	102.69	1.47	3.71	5.18	0.00	63,073.16	63,073.16	2.32	0.00	63,121.83
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	49,476.00	49,476.00	49476.00	177,327,678	177,327,678
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	1,084.32	1,084.32	1084.32	485,945	485,945
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	786,824
Total	52,880.01	52,880.01	52,880.01	180,621,888	180,621,888

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2020

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	37200	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	152.23	151.13	1,951.92	5.40	596.95	20.44	617.39	8.09	20.40	28.48		413,769.35		16.10		414,107.39
Unmitigated	152.23	151.13	1,951.92	5.40	596.95	20.44	617.39	8.09	20.40	28.48		413,769.35		16.10		414,107.39
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	49,476.00	49,476.00	49476.00	177,327,678	177,327,678
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	1,084.32	1,084.32	1084.32	485,945	485,945
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	786,824
Total	52,880.01	52,880.01	52,880.01	180,621,888	180,621,888

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2020

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	37200	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	144.33	162.34	1,700.26	4.76	596.95	20.44	617.39	8.09	20.40	28.48		367,874.83		14.05		368,169.84
Unmitigated	144.33	162.34	1,700.26	4.76	596.95	20.44	617.39	8.09	20.40	28.48		367,874.83		14.05		368,169.84
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	49,476.00	49,476.00	49476.00	177,327,678	177,327,678
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	1,084.32	1,084.32	1084.32	485,945	485,945
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	786,824
Total	52,880.01	52,880.01	52,880.01	180,621,888	180,621,888

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Long Haul Trucks Only - 2020

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	37200	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	53.87	472.61	281.88	2.49	136.69	17.02	153.70	3.89	15.76	19.66	0.00	328,538	328,538	3	0	328,592
Unmitigated	53.87	472.61	281.88	2.49	136.69	17.02	153.70	3.89	15.76	19.66	0.00	328,538	328,538	3	0	328,592
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	13,020.00	13,020.00	13020.00	236,964,000	236,964,000
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	13,909.36	13,909.36	13,909.36	239,745,033	239,745,033

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Long Haul Trucks Only - 2020

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	37200	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	292.23	2,614.93	1,451.69	13.67	821.59	93.15	914.74	21.40	86.26	107.67		1,992,038		15		1,992,361
Unmitigated	292.23	2,614.93	1,451.69	13.67	821.59	93.15	914.74	21.40	86.26	107.67		1,992,038		15		1,992,361
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	13,020.00	13,020.00	13020.00	236,964,000	236,964,000
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	13,909.36	13,909.36	13,909.36	239,745,033	239,745,033

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Long Haul Trucks Only - 2020

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	37200	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	305.66	2,582.23	1,621.86	13.67	821.59	94.07	915.66	21.40	87.01	108.41		1,988,073		16		1,988,403
Unmitigated	305.66	2,582.23	1,621.86	13.67	821.59	94.07	915.66	21.40	87.01	108.41		1,988,073		16		1,988,403
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	13,020.00	13,020.00	13020.00	236,964,000	236,964,000
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	13,909.36	13,909.36	13,909.36	239,745,033	239,745,033

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Local Vehicles - 2021

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	40400	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	25.62	27.59	332.46	0.99	107.33	4.03	111.36	1.60	4.02	5.62	0.00	67,710.56	67,710.56	2.50	0.00	67,763.14
Unmitigated	25.62	27.59	332.46	0.99	107.33	4.03	111.36	1.60	4.02	5.62	0.00	67,710.56	67,710.56	2.50	0.00	67,763.14
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	53,732.00	53,732.00	53732.00	192,581,671	192,581,671
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	1,084.32	1,084.32	1084.32	485,945	485,945
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	786,824
Total	57,136.01	57,136.01	57,136.01	195,875,882	195,875,882

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2021

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	40400	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	152.55	149.86	2,013.49	5.88	647.37	22.16	669.53	8.77	22.12	30.89		444,166.70		17.41		444,532.22
Unmitigated	152.55	149.86	2,013.49	5.88	647.37	22.16	669.53	8.77	22.12	30.89		444,166.70		17.41		444,532.22
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	53,732.00	53,732.00	53732.00	192,581,671	192,581,671
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	1,084.32	1,084.32	1084.32	485,945	485,945
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	786,824
Total	57,136.01	57,136.01	57,136.01	195,875,882	195,875,882

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2021

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	40400	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	151.97	166.10	1,746.44	5.19	647.37	22.16	669.53	8.77	22.12	30.89		394,913.82		15.17		395,232.37
Unmitigated	151.97	166.10	1,746.44	5.19	647.37	22.16	669.53	8.77	22.12	30.89		394,913.82		15.17		395,232.37
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	53,732.00	53,732.00	53732.00	192,581,671	192,581,671
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	1,084.32	1,084.32	1084.32	485,945	485,945
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	786,824
Total	57,136.01	57,136.01	57,136.01	195,875,882	195,875,882

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Long Haul Trucks Only - 2021

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	40400	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	58.09	513.04	301.89	2.70	148.31	18.62	166.93	4.23	17.28	21.50	0.00	358,051	358,051	3	0	358,109
Unmitigated	58.09	513.04	301.89	2.70	148.31	18.62	166.93	4.23	17.28	21.50	0.00	358,051	358,051	3	0	358,109
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	14,140.00	14,140.00	14140.00	257,348,000	257,348,000
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	15,029.36	15,029.36	15,029.36	260,129,033	260,129,033

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Long Haul Trucks Only - 2021

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	40400	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	314.88	2,841.41	1,558.05	14.86	891.44	101.96	993.40	23.22	94.76	117.98		2,170,987		16		2,171,331
Unmitigated	314.88	2,841.41	1,558.05	14.86	891.44	101.96	993.40	23.22	94.76	117.98		2,170,987		16		2,171,331
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	14,140.00	14,140.00	14140.00	257,348,000	257,348,000
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	15,029.36	15,029.36	15,029.36	260,129,033	260,129,033

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Long Haul Trucks Only - 2021

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	40400	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	329.59	2,802.62	1,738.79	14.86	891.44	102.96	994.40	23.22	95.56	118.79		2,166,653		17		2,167,008
Unmitigated	329.59	2,802.62	1,738.79	14.86	891.44	102.96	994.40	23.22	95.56	118.79		2,166,653		17		2,167,008
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	14,140.00	14,140.00	14140.00	257,348,000	257,348,000
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	15,029.36	15,029.36	15,029.36	260,129,033	260,129,033

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Local Vehicles - 2022

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	41400	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Implement Trip Reduction Program

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	24.44	25.22	306.74	0.96	103.86	3.91	107.77	1.54	3.90	5.45	0.00	64,621.68	64,621.68	2.42	0.00	64,672.57
Unmitigated	25.33	26.47	321.52	1.01	109.94	4.13	114.07	1.63	4.12	5.76	0.00	68,327.08	68,327.08	2.56	0.00	68,380.74
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	55,062.00	55,062.00	55062.00	197,348,545	186,448,179
General Light Industry	564.00	564.00	564.00	2,021,441	1,909,788
Gasoline/Service Station	1,084.32	1,084.32	1084.32	485,945	452,405
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	732,517
Total	58,466.01	58,466.01	58,466.01	200,642,755	189,542,889

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2022

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	41400	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	151.60	143.68	1,947.30	6.03	663.12	22.70	685.82	8.98	22.65	31.64		448,250		18		448,623
Unmitigated	151.60	143.68	1,947.30	6.03	663.12	22.70	685.82	8.98	22.65	31.64		448,250		18		448,623
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	55,062.00	55,062.00	55062.00	197,348,545	197,348,545
General Light Industry	564.00	564.00	564.00	2,021,441	2,021,441
Gasoline/Service Station	1,084.32	1,084.32	1084.32	485,945	485,945
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	786,824
Total	58,466.01	58,466.01	58,466.01	200,642,755	200,642,755

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Local Vehicles - 2022

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	41400	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Implement Trip Reduction Program

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	143.20	146.19	1,610.11	5.03	626.44	21.51	647.94	8.49	21.46	29.95		376,901.66		14.57		377,207.54
Unmitigated	148.64	153.49	1,686.56	5.32	663.12	22.70	685.82	8.98	22.65	31.64		398,495.31		15.36		398,817.87
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	55,062.00	55,062.00	55062.00	197,348,545	186,448,179
General Light Industry	564.00	564.00	564.00	2,021,441	1,909,788
Gasoline/Service Station	1,084.32	1,084.32	1084.32	485,945	452,405
Convenience Market (24 Hour)	1,755.69	1,755.69	1755.69	786,824	732,517
Total	58,466.01	58,466.01	58,466.01	200,642,755	189,542,889

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	9.60	15.40	12.60	70.00	2.00	28.00
General Light Industry	9.60	15.40	12.60	70.00	2.00	28.00
Gasoline/Service Station	9.60	1.50	1.50	70.00	2.00	28.00
Convenience Market (24 Hour)	9.60	1.50	1.50	70.00	2.00	28.00

World Logistics Center - Operation Long Haul Trucks Only - 2022

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	41400	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	59.35	525.98	304.40	2.77	151.94	19.22	171.16	4.33	17.73	22.06	0.00	366,913	366,913	3	0	366,971
Unmitigated	59.35	525.98	304.40	2.77	151.94	19.22	171.16	4.33	17.73	22.06	0.00	366,913	366,913	3	0	366,971
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	14,490.00	14,490.00	14490.00	263,718,000	263,718,000
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	15,379.36	15,379.36	15,379.36	266,499,033	266,499,033

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Long Haul Trucks Only - 2022

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	41400	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	322.03	2,913.44	1,571.16	15.22	913.27	105.22	1,018.50	23.79	97.03	120.82		2,224,741		16		2,225,087
Unmitigated	322.03	2,913.44	1,571.16	15.22	913.27	105.22	1,018.50	23.79	97.03	120.82		2,224,741		16		2,225,087
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	14,490.00	14,490.00	14490.00	263,718,000	263,718,000
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	15,379.36	15,379.36	15,379.36	266,499,033	266,499,033

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

World Logistics Center - Operation Long Haul Trucks Only - 2022

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Unrefrigerated Warehouse-No Rail	41400	1000sqft
General Light Industry	200	1000sqft
Gasoline/Service Station	12	Pump
Convenience Market (24 Hour)	3	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	337.01	2,872.53	1,755.66	15.22	913.27	106.04	1,019.32	23.79	97.85	121.64		2,220,254		17		2,220,608
Unmitigated	337.01	2,872.53	1,755.66	15.22	913.27	106.04	1,019.32	23.79	97.85	121.64		2,220,254		17		2,220,608
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	14,490.00	14,490.00	14490.00	263,718,000	263,718,000
General Light Industry	148.00	148.00	148.00	2,693,600	2,693,600
Gasoline/Service Station	283.08	283.08	283.08	33,385	33,385
Convenience Market (24 Hour)	458.28	458.28	458.28	54,048	54,048
Total	15,379.36	15,379.36	15,379.36	266,499,033	266,499,033

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Unrefrigerated Warehouse-No Rail	50.00	50.00	50.00	59.00	0.00	41.00
General Light Industry	50.00	50.00	50.00	59.00	0.00	41.00
Gasoline/Service Station	1.50	1.50	1.50	59.00	0.00	41.00
Convenience Market (24 Hour)	1.50	1.50	1.50	59.00	0.00	41.00

A.3 - Alternatives Operation

Moreno Highlands Specific Plan 2022

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Office Park	16000	1000sqft
Apartments Low Rise	3783	Dwelling Unit
Single Family Housing	3500	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics - -

Land Use - -

Construction Phase -

Vehicle Trips - -

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	120.60	1.28	110.99	0.01		0.00	0.98		0.00	0.97	0.00	5,427.91	5,427.91	0.28	0.10	5,463.51
Energy	1.37	11.88	6.05	0.07		0.00	0.95		0.00	0.95	0.00	67,212.10	67,212.10	2.66	1.15	67,624.28
Mobile	65.78	160.81	651.07	1.67	171.36	8.62	179.98	2.68	8.38	11.06	0.00	127,028.62	127,028.62	4.75	0.00	127,128.42
Waste						0.00	0.00		0.00	0.00	4,206.84	0.00	4,206.84	248.62	0.00	9,427.80
Water						0.00	0.00		0.00	0.00	0.00	16,060.57	16,060.57	102.01	2.78	19,064.77
Total	**187.75**	**173.97**	**768.11**	**1.75**	**171.36**	**8.62**	**181.91**	**2.68**	**8.38**	**12.98**	**4,206.84**	**215,729.20**	**219,936.04**	**358.32**	**4.03**	**228,708.78**

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	65.78	160.81	651.07	1.67	171.36	8.62	179.98	2.68	8.38	11.06	0.00	127,028.62	127,028.62	4.75	0.00	127,128.42
Unmitigated	65.78	160.81	651.07	1.67	171.36	8.62	179.98	2.68	8.38	11.06	0.00	127,028.62	127,028.62	4.75	0.00	127,128.42
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	26,367.51	26,367.51	26367.51	74,886,893	74,886,893
Office Park	72,480.00	26,240.00	12160.00	143,500,564	143,500,564
Single Family Housing	32,970.00	32,970.00	32970.00	93,638,757	93,638,757
Total	131,817.51	85,577.51	71,497.51	312,026,214	312,026,214

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Low Rise	10.80	7.30	7.50	40.20	19.20	40.60
Office Park	9.50	7.30	7.30	33.00	48.00	19.00
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60

5.0 Energy Detail

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
Apartments Low Rise	6.36947e+007	0.34	2.93	1.25	0.02		0.00	0.24		0.00	0.24	0.00	3,398.99	3,398.99	0.07	0.06	3,419.68
Office Park	4.912e+007	0.26	2.41	2.02	0.01		0.00	0.18		0.00	0.18	0.00	2,621.23	2,621.23	0.05	0.05	2,637.18
Single Family Housing	1.41837e+008	0.76	6.54	2.78	0.04		0.00	0.53		0.00	0.53	0.00	7,568.95	7,568.95	0.15	0.14	7,615.02
Total		**1.36**	**11.88**	**6.05**	**0.07**		**0.00**	**0.95**		**0.00**	**0.95**	**0.00**	**13,589.17**	**13,589.17**	**0.27**	**0.25**	**13,671.88**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Apartments Low Rise	1.69201e+007					4,114.41	0.18	0.07	4,139.69
Office Park	1.784e+008					43,380.87	1.94	0.73	43,647.43
Single Family Housing	2.51994e+007					6,127.64	0.27	0.10	6,165.29
Total						**53,622.92**	**2.39**	**0.90**	**53,952.41**

6.0 Area Detail

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	22.46					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	94.25					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.53	0.00	0.03	0.00		0.00	0.37		0.00	0.36	0.00	5,246.76	5,246.76	0.10	0.10	5,278.69
Landscaping	3.35	1.28	110.96	0.01		0.00	0.61		0.00	0.61	0.00	181.16	181.16	0.17	0.00	184.82
Total	**120.59**	**1.28**	**110.99**	**0.01**		**0.00**	**0.98**		**0.00**	**0.97**	**0.00**	**5,427.92**	**5,427.92**	**0.27**	**0.10**	**5,463.51**

7.0 Water Detail

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Apartments Low Rise	246.478 / 155.388					1,202.97	7.58	0.21	1,426.18
Office Park	2843.74 / 1742.94					13,744.62	87.42	2.38	16,319.10
Single Family Housing	228.039 / 143.764					1,112.98	7.01	0.19	1,319.49
Total						**16,060.57**	**102.01**	**2.78**	**19,064.77**

8.0 Waste Detail

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Apartments Low Rise	1740.18					353.24	20.88	0.00	791.64
Office Park	14880					3,020.51	178.51	0.00	6,769.15
Single Family Housing	4104.1					833.10	49.23	0.00	1,867.02
Total						**4,206.85**	**248.62**	**0.00**	**9,427.81**

Moreno Highlands Specific Plan 2022

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Office Park	16000	1000sqft
Apartments Low Rise	3783	Dwelling Unit
Single Family Housing	3500	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics - -

Land Use - -

Construction Phase -

Vehicle Trips - -

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	672.04	6.99	609.34	0.03		0.00	13.12		0.00	13.01	0.00	155,323.30		4.01	2.83	156,284.07
Energy	7.52	65.09	33.17	0.41		0.00	5.20		0.00	5.20		82,079.44		1.57	1.50	82,578.97
Mobile	434.63	999.94	4,210.14	11.06	1,159.67	53.02	1,212.69	16.52	51.54	68.06		918,538.58		36.80		919,311.40
Total	**1,114.19**	**1,072.02**	**4,852.65**	**11.50**	**1,159.67**	**53.02**	**1,231.01**	**16.52**	**51.54**	**86.27**	**0.00**	#########		**42.38**	**4.33**	#########

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	434.63	999.94	4,210.14	11.06	1,159.67	53.02	1,212.69	16.52	51.54	68.06		918,538.58		36.80		919,311.40
Unmitigated	434.63	999.94	4,210.14	11.06	1,159.67	53.02	1,212.69	16.52	51.54	68.06		918,538.58		36.80		919,311.40
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	26,367.51	26,367.51	26367.51	74,886,893	74,886,893
Office Park	72,480.00	26,240.00	12160.00	143,500,564	143,500,564
Single Family Housing	32,970.00	32,970.00	32970.00	93,638,757	93,638,757
Total	131,817.51	85,577.51	71,497.51	312,026,214	312,026,214

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Low Rise	10.80	7.30	7.50	40.20	19.20	40.60
Office Park	9.50	7.30	7.30	33.00	48.00	19.00
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	7.52	65.09	33.17	0.41		0.00	5.20		0.00	5.20		82,079.44		1.57	1.50	82,578.97
NaturalGas Unmitigated	7.52	65.09	33.17	0.41		0.00	5.20		0.00	5.20		82,079.44		1.57	1.50	82,578.97
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Low Rise	174506	1.88	16.08	6.84	0.10		0.00	1.30		0.00	1.30		20,530.11		0.39	0.38	20,655.06
Office Park	134575	1.45	13.19	11.08	0.08		0.00	1.00		0.00	1.00		15,832.39		0.30	0.29	15,928.75
Single Family Housing	388594	4.19	35.81	15.24	0.23		0.00	2.90		0.00	2.90		45,716.94		0.88	0.84	45,995.16
Total		**7.52**	**65.08**	**33.16**	**0.41**		**0.00**	**5.20**		**0.00**	**5.20**		**82,079.44**		**1.57**	**1.51**	**82,578.97**

6.0 Area Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	672.04	6.99	609.34	0.03		0.00	13.12		0.00	13.01	0.00	155,323.30		4.01	2.83	156,284.07
Unmitigated	672.04	6.99	609.34	0.03		0.00	13.12		0.00	13.01	0.00	155,323.30		4.01	2.83	156,284.07
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	123.09					0.00	0.00		0.00	0.00						0.00
Consumer Products	516.44					0.00	0.00		0.00	0.00						0.00
Hearth	14.14	0.00	0.77	0.00		0.00	9.77		0.00	9.66	0.00	154,228.24		2.96	2.83	155,166.84
Landscaping	18.37	6.99	608.57	0.03		0.00	3.35		0.00	3.35		1,095.07		1.06		1,117.22
Total	**672.04**	**6.99**	**609.34**	**0.03**		**0.00**	**13.12**		**0.00**	**13.01**	**0.00**	**155,323.31**		**4.02**	**2.83**	**156,284.06**

Moreno Highlands Specific Plan 2022

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Office Park	16000	1000sqft
Apartments Low Rise	3783	Dwelling Unit
Single Family Housing	3500	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics - -

Land Use - -

Construction Phase -

Vehicle Trips - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	427.26	1,018.65	3,931.37	9.95	1,159.67	53.42	1,213.09	16.52	51.94	68.46		838,456.58		32.26		839,134.10
Unmitigated	427.26	1,018.65	3,931.37	9.95	1,159.67	53.42	1,213.09	16.52	51.94	68.46		838,456.58		32.26		839,134.10
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	26,367.51	26,367.51	26367.51	74,886,893	74,886,893
Office Park	72,480.00	26,240.00	12160.00	143,500,564	143,500,564
Single Family Housing	32,970.00	32,970.00	32970.00	93,638,757	93,638,757
Total	131,817.51	85,577.51	71,497.51	312,026,214	312,026,214

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Low Rise	10.80	7.30	7.50	40.20	19.20	40.60
Office Park	9.50	7.30	7.30	33.00	48.00	19.00
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60

5.0 Energy Detail

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Low Rise	174506	1.88	16.08	6.84	0.10		0.00	1.30		0.00	1.30		20,530.11		0.39	0.38	20,655.06
Office Park	134575	1.45	13.19	11.08	0.08		0.00	1.00		0.00	1.00		15,832.39		0.30	0.29	15,928.75
Single Family Housing	388594	4.19	35.81	15.24	0.23		0.00	2.90		0.00	2.90		45,716.94		0.88	0.84	45,995.16
Total		**7.52**	**65.08**	**33.16**	**0.41**		**0.00**	**5.20**		**0.00**	**5.20**		**82,079.44**		**1.57**	**1.51**	**82,578.97**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Low Rise	174.506	1.88	16.08	6.84	0.10		0.00	1.30		0.00	1.30		20,530.11		0.39	0.38	20,655.06
Office Park	134.575	1.45	13.19	11.08	0.08		0.00	1.00		0.00	1.00		15,832.39		0.30	0.29	15,928.75
Single Family Housing	388.594	4.19	35.81	15.24	0.23		0.00	2.90		0.00	2.90		45,716.94		0.88	0.84	45,995.16
Total		**7.52**	**65.08**	**33.16**	**0.41**		**0.00**	**5.20**		**0.00**	**5.20**		**82,079.44**		**1.57**	**1.51**	**82,578.97**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	672.04	6.99	609.34	0.03		0.00	13.12		0.00	13.01	0.00	155,323.30		4.01	2.83	156,284.07
Unmitigated	672.04	6.99	609.34	0.03		0.00	13.12		0.00	13.01	0.00	155,323.30		4.01	2.83	156,284.07
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	123.09					0.00	0.00		0.00	0.00						0.00
Consumer Products	516.44					0.00	0.00		0.00	0.00						0.00
Hearth	14.14	0.00	0.77	0.00		0.00	9.77		0.00	9.66	0.00	154,228.24		2.96	2.83	155,166.84
Landscaping	18.37	6.99	608.57	0.03		0.00	3.35		0.00	3.35		1,095.07		1.06		1,117.22
Total	**672.04**	**6.99**	**609.34**	**0.03**		**0.00**	**13.12**		**0.00**	**13.01**	**0.00**	**155,323.31**		**4.02**	**2.83**	**156,284.06**

WLC: Alternative 2

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Office Park	1000	1000sqft
General Light Industry	20000	1000sqft
Regional Shopping Center	500	1000sqft

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	130.80	315.01	1,374.39	3.80	393.70	19.35	413.05	6.15	18.83	24.98	0.00	287,726	287,726	10.44	0.00	287,945
Unmitigated	130.80	315.01	1,374.39	3.80	393.70	19.35	413.05	6.15	18.83	24.98	0.00	287,726	287,726	10.44	0.00	287,945
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	139,400.00	139,400.00	139400.00	614,983,372	614,983,372
Office Park	11,030.00	1,640.00	760.00	34,328,728	34,328,728
Regional Shopping Center	21,350.00	21,350.00	21350.00	67,584,788	67,584,788
Total	171,780.00	162,390.00	161,510.00	716,896,888	716,896,888

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
General Light Industry	12.60	15.40	9.60	59.00	28.00	13.00
Office Park	12.60	15.40	9.60	33.00	48.00	19.00
Regional Shopping Center	12.60	15.40	9.60	16.30	64.70	19.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	69,919.49	69,919.49	3.16	1.20	70,357.70
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	69,919.49	69,919.49	3.16	1.20	70,357.70
NaturalGas Mitigated	3.61	32.84	27.59	0.20		0.00	2.50		0.00	2.50	0.00	35,755.35	35,755.35	0.69	0.66	35,972.95
NaturalGas Unmitigated	3.61	32.84	27.59	0.20		0.00	2.50		0.00	2.50	0.00	35,755.35	35,755.35	0.69	0.66	35,972.95
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
General Light Industry	6.658e+008	3.59	32.64	27.42	0.20		0.00	2.48		0.00	2.48	0.00	35,529.62	35,529.62	0.68	0.65	35,745.85
Office Park	3.07e+006	0.02	0.15	0.13	0.00		0.00	0.01		0.00	0.01	0.00	163.83	163.83	0.00	0.00	164.82
Regional Shopping Center	1.16e+006	0.01	0.06	0.05	0.00		0.00	0.00		0.00	0.00	0.00	61.90	61.90	0.00	0.00	62.28
Total		**3.62**	**32.85**	**27.60**	**0.20**		**0.00**	**2.49**		**0.00**	**2.49**	**0.00**	**35,755.35**	**35,755.35**	**0.68**	**0.65**	**35,972.95**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
General Light Industry	2.214e+008					64,398.76	2.91	1.10	64,802.37
Office Park	1.115e+007					3,243.21	0.15	0.06	3,263.53
Regional Shopping Center	7.83e+006					2,277.52	0.10	0.04	2,291.79
Total						**69,919.49**	**3.16**	**1.20**	**70,357.69**

6.0 Area Detail

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	24.89					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	77.69					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**102.58**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					374,795	3,025	81	463,439
Unmitigated					374,795	3,025	81	463,439
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
General Light Industry	98338.8 / 0					373,554	3,019	81	462,002
Office Park	177.734 / 108.934					1,027.17	5.47	0.15	1,189
Regional Shopping Center	37.0363 / 22.6996					214.04	1.14	0.03	248
Total						**374,795.08**	**3,025.20**	**81.01**	**463,438.97**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					236,490	13,976	0	529,990
Unmitigated					236,490	13,976	0	529,990
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
General Light Industry	1.16357e+006					236,195	13,958.72	0.00	529,328
Office Park	930					188.78	11.16	0.00	423.07
Regional Shopping Center	525					106.57	6.30	0.00	238.83
Total						**236,490.30**	**13,976.18**	**0.00**	**529,990.01**

WLC: Alternative 2

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Office Park	1000	1000sqft
General Light Industry	20000	1000sqft
Regional Shopping Center	500	1000sqft

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	766.77	1,764.71	8,219.50	22.76	2,412.96	107.83	2,520.79	34.38	104.92	139.30		1,884,591		74		1,886,142
Unmitigated	766.77	1,764.71	8,219.50	22.76	2,412.96	107.83	2,520.79	34.38	104.92	139.30		1,884,591		74		1,886,142
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	139,400.00	139,400.00	139400.00	614,983,372	614,983,372
Office Park	11,030.00	1,640.00	760.00	34,328,728	34,328,728
Regional Shopping Center	21,350.00	21,350.00	21350.00	67,584,788	67,584,788
Total	171,780.00	162,390.00	161,510.00	716,896,888	716,896,888

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
General Light Industry	12.60	15.40	9.60	59.00	28.00	13.00
Office Park	12.60	15.40	9.60	33.00	48.00	19.00
Regional Shopping Center	12.60	15.40	9.60	16.30	64.70	19.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	19.80	179.97	151.18	1.08		0.00	13.68		0.00	13.68		215,965		4	4	217,279
NaturalGas Unmitigated	19.80	179.97	151.18	1.08		0.00	13.68		0.00	13.68		215,965		4	4	217,279
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
General Light Industry	1.82411e+006	19.67	178.83	150.22	1.07		0.00	13.59		0.00	13.59		214,601		4.11	3.93	215,907.15
Office Park	8410.96	0.09	0.82	0.69	0.00		0.00	0.06		0.00	0.06		989.52		0.02	0.02	995.55
Regional Shopping Center	3178.08	0.03	0.31	0.26	0.00		0.00	0.02		0.00	0.02		373.89		0.01	0.01	376.17
Total		**19.79**	**179.96**	**151.17**	**1.07**		**0.00**	**13.67**		**0.00**	**13.67**		**215,964.54**		**4.14**	**3.96**	**217,278.87**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	562.09	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	562.09	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	136.39					0.00	0.00		0.00	0.00						0.00
Consumer Products	425.70					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**562.09**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

WLC: Alternative 2

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Office Park	1000	1000sqft
General Light Industry	20000	1000sqft
Regional Shopping Center	500	1000sqft

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	771.32	1,822.02	7,448.41	20.44	2,412.96	108.35	2,521.31	34.38	105.44	139.82		1,719,665		64		1,721,010
Unmitigated	771.32	1,822.02	7,448.41	20.44	2,412.96	108.35	2,521.31	34.38	105.44	139.82		1,719,665		64		1,721,010
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	139,400.00	139,400.00	139400.00	614,983,372	614,983,372
Office Park	11,030.00	1,640.00	760.00	34,328,728	34,328,728
Regional Shopping Center	21,350.00	21,350.00	21350.00	67,584,788	67,584,788
Total	171,780.00	162,390.00	161,510.00	716,896,888	716,896,888

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
General Light Industry	12.60	15.40	9.60	59.00	28.00	13.00
Office Park	12.60	15.40	9.60	33.00	48.00	19.00
Regional Shopping Center	12.60	15.40	9.60	16.30	64.70	19.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	19.80	179.97	151.18	1.08		0.00	13.68		0.00	13.68		215,965		4	4	217,279
NaturalGas Unmitigated	19.80	179.97	151.18	1.08		0.00	13.68		0.00	13.68		215,965		4	4	217,279
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
General Light Industry	1.82411e+006	19.67	178.83	150.22	1.07		0.00	13.59		0.00	13.59		214,601.13		4.11	3.93	215,907.15
Office Park	8410.96	0.09	0.82	0.69	0.00		0.00	0.06		0.00	0.06		989.52		0.02	0.02	995.55
Regional Shopping Center	3178.08	0.03	0.31	0.26	0.00		0.00	0.02		0.00	0.02		373.89		0.01	0.01	376.17
Total		**19.79**	**179.96**	**151.17**	**1.07**		**0.00**	**13.67**		**0.00**	**13.67**		**215,964.54**		**4.14**	**3.96**	**217,278.87**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	562.09	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	562.09	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	136.39					0.00	0.00		0.00	0.00						0.00
Consumer Products	425.70					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**562.09**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

WLC: Alternative 3

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Apartments Low Rise	2201	Dwelling Unit
Single Family Housing	5082	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

Vehicle Trips - -

Woodstoves - Changed hearth defaults because of SCAQMD rule

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	55.21	132.35	590.52	1.67	173.08	8.45	181.53	2.71	8.23	10.93	0.00	126,024	126,024	5	0	126,119
Unmitigated	55.21	132.35	590.52	1.67	173.08	8.45	181.53	2.71	8.23	10.93	0.00	126,024	126,024	5	0	126,119
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	14,504.59	14,504.59	14504.59	72,399,716	72,399,716
Single Family Housing	48,634.74	48,634.74	48634.74	242,760,489	242,760,489
Total	63,139.33	63,139.33	63,139.33	315,160,205	315,160,205

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Low Rise	17.60	12.10	14.90	40.20	19.20	40.60
Single Family Housing	17.60	12.10	14.90	40.20	19.20	40.60

5.0 Energy Detail

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
Apartments Low Rise	3.70584e+007	0.20	1.71	0.73	0.01		0.00	0.14		0.00	0.14	0.00	1,977.58	1,977.58	0.04	0.04	1,989.61
Single Family Housing	2.05947e+008	1.11	9.49	4.04	0.06		0.00	0.77		0.00	0.77	0.00	10,990.12	10,990.12	0.21	0.20	11,057.00
Total		**1.31**	**11.20**	**4.77**	**0.07**		**0.00**	**0.91**		**0.00**	**0.91**	**0.00**	**12,967.70**	**12,967.70**	**0.25**	**0.24**	**13,046.61**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Apartments Low Rise	9.84437e+006					2,863.44	0.13	0.05	2,881.38
Single Family Housing	3.65895e+007					10,642.81	0.48	0.18	10,709.51
Total						**13,506.25**	**0.61**	**0.23**	**13,590.89**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	49.32	1.28	110.99	0.01		0.00	0.98		0.00	0.97	0.00	5,427.91	5,427.91	0.28	0.10	5,463.51
Unmitigated	49.32	1.28	110.99	0.01		0.00	0.98		0.00	0.97	0.00	5,427.91	5,427.91	0.28	0.10	5,463.51
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	4.43					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	41.01					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.53	0.00	0.03	0.00		0.00	0.37		0.00	0.36	0.00	5,246.76	5,246.76	0.10	0.10	5,278.69
Landscaping	3.35	1.28	110.96	0.01		0.00	0.61		0.00	0.61	0.00	181.16	181.16	0.17	0.00	184.82
Total	**49.32**	**1.28**	**110.99**	**0.01**		**0.00**	**0.98**		**0.00**	**0.97**	**0.00**	**5,427.92**	**5,427.92**	**0.27**	**0.10**	**5,463.51**

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					2,769.25	14.61	0.41	3,202.10
Unmitigated					2,769.25	14.61	0.41	3,202.10
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Apartments Low Rise	143.404 / 90.4069					836.90	4.42	0.12	967.71
Single Family Housing	331.113 / 208.745					1,932.35	10.19	0.28	2,234.39
Total						**2,769.25**	**14.61**	**0.40**	**3,202.10**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					1,415.21	83.64	0.00	3,171.59
Unmitigated					1,415.21	83.64	0.00	3,171.59
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Apartments Low Rise	1012.46					205.52	12.15	0.00	460.58
Single Family Housing	5959.35					1,209.69	71.49	0.00	2,711.00
Total						**1,415.21**	**83.64**	**0.00**	**3,171.58**

WLC: Alternative 3

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Apartments Low Rise	2201	Dwelling Unit
Single Family Housing	5082	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

Vehicle Trips - -

Woodstoves - Changed hearth defaults because of SCAQMD rule

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	316.68	728.91	3,496.39	9.82	1,043.71	46.37	1,090.08	14.87	45.13	60.00		812,263		32		812,928
Unmitigated	316.68	728.91	3,496.39	9.82	1,043.71	46.37	1,090.08	14.87	45.13	60.00		812,263		32		812,928
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	14,504.59	14,504.59	14504.59	72,399,716	72,399,716
Single Family Housing	48,634.74	48,634.74	48634.74	242,760,489	242,760,489
Total	63,139.33	63,139.33	63,139.33	315,160,205	315,160,205

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Low Rise	17.60	12.10	14.90	40.20	19.20	40.60
Single Family Housing	17.60	12.10	14.90	40.20	19.20	40.60

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	7.18	61.36	26.11	0.39		0.00	4.96		0.00	4.96		78,325.69		1.50	1.44	78,802.36
NaturalGas Unmitigated	7.18	61.36	26.11	0.39		0.00	4.96		0.00	4.96		78,325.69		1.50	1.44	78,802.36
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Low Rise	101530	1.09	9.36	3.98	0.06		0.00	0.76		0.00	0.76		11,944.69		0.23	0.22	12,017.39
Single Family Housing	564238	6.08	52.00	22.13	0.33		0.00	4.20		0.00	4.20		66,380.99		1.27	1.22	66,784.98
Total		**7.17**	**61.36**	**26.11**	**0.39**		**0.00**	**4.96**		**0.00**	**4.96**		**78,325.68**		**1.50**	**1.44**	**78,802.37**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	281.51	6.99	609.34	0.03		0.00	13.12		0.00	13.01	0.00	155,323		4	3	156,284
Unmitigated	281.51	6.99	609.34	0.03		0.00	13.12		0.00	13.01	0.00	155,323		4	3	156,284
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	24.30					0.00	0.00		0.00	0.00						0.00
Consumer Products	224.70					0.00	0.00		0.00	0.00						0.00
Hearth	14.14	0.00	0.77	0.00		0.00	9.77		0.00	9.66	0.00	154,228		2.96	2.83	155,167
Landscaping	18.37	6.99	608.57	0.03		0.00	3.35		0.00	3.35		1,095.07		1.06		1,117.22
Total	**281.51**	**6.99**	**609.34**	**0.03**		**0.00**	**13.12**		**0.00**	**13.01**	**0.00**	**155,323.31**		**4.02**	**2.83**	**156,284.06**

WLC: Alternative 3

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Apartments Low Rise	2201	Dwelling Unit
Single Family Housing	5082	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - -

Vehicle Trips - -

Woodstoves - Changed hearth defaults because of SCAQMD rule

4.0 Mobile Detail

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	320.81	755.70	3,142.06	8.81	1,043.71	46.56	1,090.27	14.87	45.32	60.19		741,111		27		741,686
Unmitigated	320.81	755.70	3,142.06	8.81	1,043.71	46.56	1,090.27	14.87	45.32	60.19		741,111		27		741,686
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	14,504.59	14,504.59	14504.59	72,399,716	72,399,716
Single Family Housing	48,634.74	48,634.74	48634.74	242,760,489	242,760,489
Total	63,139.33	63,139.33	63,139.33	315,160,205	315,160,205

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Low Rise	17.60	12.10	14.90	40.20	19.20	40.60
Single Family Housing	17.60	12.10	14.90	40.20	19.20	40.60

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	7.18	61.36	26.11	0.39		0.00	4.96		0.00	4.96		78,325.69		1.50	1.44	78,802.36
NaturalGas Unmitigated	7.18	61.36	26.11	0.39		0.00	4.96		0.00	4.96		78,325.69		1.50	1.44	78,802.36
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Low Rise	101530	1.09	9.36	3.98	0.06		0.00	0.76		0.00	0.76		11,944.69		0.23	0.22	12,017.39
Single Family Housing	564238	6.08	52.00	22.13	0.33		0.00	4.20		0.00	4.20		66,380.99		1.27	1.22	66,784.98
Total		**7.17**	**61.36**	**26.11**	**0.39**		**0.00**	**4.96**		**0.00**	**4.96**		**78,325.68**		**1.50**	**1.44**	**78,802.37**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	281.51	6.99	609.34	0.03		0.00	13.12		0.00	13.01	0.00	155,323		4	3	156,284
Unmitigated	281.51	6.99	609.34	0.03		0.00	13.12		0.00	13.01	0.00	155,323		4	3	156,284
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	24.30					0.00	0.00		0.00	0.00						0.00
Consumer Products	224.70					0.00	0.00		0.00	0.00						0.00
Hearth	14.14	0.00	0.77	0.00		0.00	9.77		0.00	9.66	0.00	154,228		3	3	155,167
Landscaping	18.37	6.99	608.57	0.03		0.00	3.35		0.00	3.35		1,095.07		1.06		1,117.22
Total	**281.51**	**6.99**	**609.34**	**0.03**		**0.00**	**13.12**		**0.00**	**13.01**	**0.00**	**155,323.31**		**4.02**	**2.83**	**156,284.06**

Appendix B:
Caline4 Output

10

```
CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: 10.  Redlands Blvd/Locust Ave
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
```

I. SITE VARIABLES

```
   U=   1.0 M/S            Z0= 100. CM           ALT=   488. (M)
 BRG= WORST CASE           VD=   .0 CM/S
CLAS=     7 (G)            VS=   .0 CM/S
MIXH= 1000. M             AMB=   .0 PPM
SIGTH=    5. DEGREES     TEMP=  4.4 DEGREE (C)
```

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	10	0	10	600	AG	1040	3.1	.0	13.1
B. NB Approach	10	600	10	752	AG	950	5.2	.0	13.1
C. NB Depart	10	752	10	905	AG	1125	5.2	.0	13.1
D. NB External	10	905	10	1505	AG	1125	3.1	.0	13.1
E. NB Left	10	600	5	752	AG	90	5.2	.0	13.1
F. SB Left	0	905	5	752	AG	10	5.2	.0	13.1
G. SB External	0	1505	0	905	AG	1420	3.1	.0	13.1
H. SB Approach	0	905	0	752	AG	1410	5.2	.0	13.1
I. SB Depart	0	752	0	600	AG	1275	5.2	.0	13.1
J. SB External	0	600	0	0	AG	1275	3.1	.0	13.1
K. EB External	-750	750	-150	750	AG	230	3.1	.0	10.0
L. EB Approach	-150	750	5	750	AG	60	5.2	.0	10.0
M. EB Depart	5	750	160	750	AG	10	5.2	.0	10.0
N. EB External	160	750	760	750	AG	10	3.1	.0	10.0
O. WB External	760	755	160	755	AG	15	3.1	.0	10.0
P. WB Approach	160	755	5	755	AG	10	5.2	.0	10.0
Q. WB Depart	5	755	-150	755	AG	295	5.2	.0	10.0
R. WB External	-150	755	-750	755	AG	295	3.1	.0	10.0
S. EB Left	-150	750	5	752	AG	170	5.2	.0	10.0
T. WB Left	160	755	5	752	AG	5	5.2	.0	10.0

10

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: 10. Redlands Blvd/Locust Ave
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-8	745	2.0
2. Receptor	18	745	2.0
3. Receptor	18	760	2.0
4. Receptor	-8	760	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	6.	1.1	.0	.0	.1	.1	.0	.0	.0	.7
2. Receptor	354.	.9	.0	.0	.5	.0	.0	.0	.1	.2
3. Receptor	352.	.9	.0	.0	.6	.0	.0	.0	.0	.2
4. Receptor	174.	1.0	.0	.1	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

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```
CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: 13.  Redlands Blvd/SR-60 WB ramps
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
```

I. SITE VARIABLES

```
   U=   1.0 M/S            Z0= 100. CM           ALT=   488. (M)
 BRG= WORST CASE           VD=   .0 CM/S
CLAS=     7 (G)            VS=   .0 CM/S
MIXH= 1000. M             AMB=   .0 PPM
SIGTH=    5. DEGREES     TEMP=  4.4 DEGREE (C)
```

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	6	0	6	600	AG	1520	3.1	.0	10.0
B. NB Approach	6	600	6	753	AG	1510	5.2	.0	10.0
C. NB Depart	6	753	6	906	AG	940	5.2	.0	10.0
D. NB External	6	906	6	1506	AG	940	3.1	.0	10.0
E. NB Left	6	600	3	753	AG	10	5.2	.0	10.0
F. SB Left	0	906	3	753	AG	270	5.2	.0	10.0
G. SB External	0	1506	0	906	AG	750	3.1	.0	10.0
H. SB Approach	0	906	0	753	AG	480	5.2	.0	10.0
I. SB Depart	0	753	0	600	AG	510	5.2	.0	10.0
J. SB External	0	600	0	0	AG	510	3.1	.0	10.0
K. EB External	-750	750	-150	750	AG	30	3.1	.0	10.0
L. EB Approach	-150	750	3	750	AG	20	5.2	.0	10.0
M. EB Depart	3	750	156	750	AG	980	5.2	.0	10.0
N. EB External	156	750	756	750	AG	980	3.1	.0	10.0
O. WB External	756	756	156	756	AG	160	3.1	.0	10.0
P. WB Approach	156	756	3	756	AG	130	5.2	.0	10.0
Q. WB Depart	3	756	-150	756	AG	30	5.2	.0	10.0
R. WB External	-150	756	-750	756	AG	30	3.1	.0	10.0
S. EB Left	-150	750	3	753	AG	10	5.2	.0	10.0
T. WB Left	156	756	3	753	AG	30	5.2	.0	10.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: 13. Redlands Blvd/SR-60 WB ramps
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-6	744	2.0
2. Receptor	12	744	2.0
3. Receptor	12	762	2.0
4. Receptor	-6	762	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	85.	1.0	.0	.2	.0	.0	.0	.0	.0	.0
2. Receptor	353.	1.1	.0	.0	.5	.0	.0	.1	.0	.1
3. Receptor	185.	1.2	.0	.7	.0	.0	.0	.0	.0	.0
4. Receptor	174.	.8	.0	.3	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
3. Receptor	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
4. Receptor	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Page 2

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```
CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: 103.  Ramona Expressway/Evans Road
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
```

I. SITE VARIABLES

```
      U=   1.0 M/S            Z0= 100. CM           ALT=   488. (M)
    BRG= WORST CASE           VD=   .0 CM/S
   CLAS=     7 (G)            VS=   .0 CM/S
   MIXH= 1000. M             AMB=   .0 PPM
  SIGTH=    5. DEGREES       TEMP=  4.4 DEGREE (C)
```

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	12	0	12	600	AG	1220	3.1	.0	15.4
B. NB Approach	12	600	12	757	AG	850	5.2	.0	15.4
C. NB Depart	12	757	12	914	AG	1890	5.2	.0	15.4
D. NB External	12	914	12	1514	AG	1890	3.1	.0	15.4
E. NB Left	12	600	6	757	AG	370	5.2	.0	15.4
F. SB Left	0	914	6	757	AG	300	5.2	.0	15.4
G. SB External	0	1514	0	914	AG	1780	3.1	.0	15.4
H. SB Approach	0	914	0	757	AG	1480	5.2	.0	15.4
I. SB Depart	0	757	0	600	AG	800	5.2	.0	15.4
J. SB External	0	600	0	0	AG	800	3.1	.0	15.4
K. EB External	-750	750	-150	750	AG	1020	3.1	.0	17.5
L. EB Approach	-150	750	6	750	AG	540	5.2	.0	17.5
M. EB Depart	6	750	162	750	AG	720	5.2	.0	17.5
N. EB External	162	750	762	750	AG	720	3.1	.0	17.5
O. WB External	762	764	162	764	AG	1640	3.1	.0	17.5
P. WB Approach	162	764	6	764	AG	1630	5.2	.0	17.5
Q. WB Depart	6	764	-150	764	AG	2250	5.2	.0	17.5
R. WB External	-150	764	-750	764	AG	2250	3.1	.0	17.5
S. EB Left	-150	750	6	757	AG	480	5.2	.0	17.5
T. WB Left	162	764	6	757	AG	10	5.2	.0	17.5

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: 103. Ramona Expressway/Evans Road
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-9	740	2.0
2. Receptor	22	740	2.0
3. Receptor	22	775	2.0
4. Receptor	-9	775	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	6.	1.6	.0	.0	.2	.2	.0	.0	.0	.6
2. Receptor	352.	1.5	.0	.0	.7	.0	.0	.0	.0	.2
3. Receptor	262.	1.7	.0	.0	.3	.0	.0	.0	.0	.2
4. Receptor	98.	1.4	.0	.0	.2	.0	.0	.0	.0	.3

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.1	.0	.0	.2	.0	.0	.0	.0
3. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0
4. Receptor	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0

124

```
CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: 124.  SR-79 (Sanderson Ave) NB/Gilman Sp
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
```

I. SITE VARIABLES

```
      U=   1.0 M/S            Z0= 100. CM           ALT=   488. (M)
    BRG= WORST CASE           VD=   .0 CM/S
   CLAS=     7 (G)            VS=   .0 CM/S
   MIXH= 1000. M             AMB=   .0 PPM
  SIGTH=    5. DEGREES       TEMP=  4.4 DEGREE (C)
```

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	9	0	9	600	AG	350	3.1	.0	12.2
B. NB Approach	9	600	9	753	AG	0	5.2	.0	12.2
C. NB Depart	9	753	9	905	AG	280	5.2	.0	12.2
D. NB External	9	905	9	1505	AG	280	3.1	.0	12.2
E. NB Left	9	600	5	753	AG	350	5.2	.0	12.2
F. SB Left	0	905	5	753	AG	0	5.2	.0	12.2
G. SB External	0	1505	0	905	AG	0	3.1	.0	12.2
H. SB Approach	0	905	0	753	AG	0	5.2	.0	12.2
I. SB Depart	0	753	0	600	AG	0	5.2	.0	12.2
J. SB External	0	600	0	0	AG	0	3.1	.0	12.2
K. EB External	-750	750	-150	750	AG	610	3.1	.0	10.0
L. EB Approach	-150	750	5	750	AG	590	5.2	.0	10.0
M. EB Depart	5	750	159	750	AG	590	5.2	.0	10.0
N. EB External	159	750	759	750	AG	590	3.1	.0	10.0
O. WB External	759	755	159	755	AG	700	3.1	.0	10.0
P. WB Approach	159	755	5	755	AG	700	5.2	.0	10.0
Q. WB Depart	5	755	-150	755	AG	790	5.2	.0	10.0
R. WB External	-150	755	-750	755	AG	790	3.1	.0	10.0
S. EB Left	-150	750	5	753	AG	20	5.2	.0	10.0
T. WB Left	159	755	5	753	AG	0	5.2	.0	10.0

124
CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: 124. SR-79 (Sanderson Ave) NB/Gilman Sp
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-8	744	2.0
2. Receptor	17	744	2.0
3. Receptor	17	761	2.0
4. Receptor	-8	761	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	85.	.7	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	275.	.7	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	265.	.8	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	95.	.7	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.0	.0	.0	.0	.3	.0	.0	.2	.0	.0	.0	.0
2. Receptor	.0	.0	.0	.3	.0	.0	.0	.0	.2	.0	.0	.0
3. Receptor	.0	.0	.0	.2	.0	.0	.0	.0	.4	.0	.0	.0
4. Receptor	.0	.0	.0	.0	.2	.0	.0	.4	.0	.0	.0	.0

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125

```
CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: 125.  SR-79 (Sanderson Ave) SB/Gilman Sp
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
```

I. SITE VARIABLES

```
      U=   1.0 M/S            Z0= 100. CM           ALT=   488. (M)
    BRG= WORST CASE           VD=   .0 CM/S
   CLAS=     7 (G)            VS=   .0 CM/S
   MIXH= 1000. M             AMB=   .0 PPM
  SIGTH=    5. DEGREES       TEMP=  4.4 DEGREE (C)
```

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	10	0	10	600	AG	0	3.1	.0	13.1
B. NB Approach	10	600	10	752	AG	0	5.2	.0	13.1
C. NB Depart	10	752	10	905	AG	0	5.2	.0	13.1
D. NB External	10	905	10	1505	AG	0	3.1	.0	13.1
E. NB Left	10	600	5	752	AG	0	5.2	.0	13.1
F. SB Left	0	905	5	752	AG	400	5.2	.0	13.1
G. SB External	0	1505	0	905	AG	470	3.1	.0	13.1
H. SB Approach	0	905	0	752	AG	70	5.2	.0	13.1
I. SB Depart	0	752	0	600	AG	270	5.2	.0	13.1
J. SB External	0	600	0	0	AG	270	3.1	.0	13.1
K. EB External	-750	750	-150	750	AG	440	3.1	.0	10.0
L. EB Approach	-150	750	5	750	AG	440	5.2	.0	10.0
M. EB Depart	5	750	160	750	AG	610	5.2	.0	10.0
N. EB External	160	750	760	750	AG	610	3.1	.0	10.0
O. WB External	760	755	160	755	AG	790	3.1	.0	10.0
P. WB Approach	160	755	5	755	AG	750	5.2	.0	10.0
Q. WB Depart	5	755	-150	755	AG	820	5.2	.0	10.0
R. WB External	-150	755	-750	755	AG	820	3.1	.0	10.0
S. EB Left	-150	750	5	752	AG	0	5.2	.0	10.0
T. WB Left	160	755	5	752	AG	40	5.2	.0	10.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: 125. SR-79 (Sanderson Ave) SB/Gilman Sp
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-8	745	2.0
2. Receptor	18	745	2.0
3. Receptor	18	760	2.0
4. Receptor	-8	760	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	86.	.8	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	86.	.8	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	266.	.9	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	94.	1.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.0	.0	.0	.0	.4	.0	.0	.2	.0	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.4	.0	.0	.2	.0	.0	.0	.0
3. Receptor	.0	.0	.0	.1	.0	.0	.0	.1	.5	.0	.0	.0
4. Receptor	.0	.0	.0	.0	.2	.0	.0	.4	.1	.0	.0	.0

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134

```
CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: 134.  Redlands Blvd/San Timoteo Canyon R
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
```

I. SITE VARIABLES

```
      U=   1.0 M/S            Z0= 100. CM           ALT=   488. (M)
    BRG= WORST CASE           VD=   .0 CM/S
   CLAS=     7 (G)            VS=   .0 CM/S
   MIXH= 1000. M             AMB=   .0 PPM
  SIGTH=    5. DEGREES       TEMP=  4.4 DEGREE (C)
```

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	5	0	5	600	AG	1250	3.1	.0	10.0
B. NB Approach	5	600	5	752	AG	190	5.2	.0	10.0
C. NB Depart	5	752	5	905	AG	0	5.2	.0	10.0
D. NB External	5	905	5	1505	AG	0	3.1	.0	10.0
E. NB Left	5	600	2	752	AG	1060	5.2	.0	10.0
F. SB Left	0	905	2	752	AG	0	5.2	.0	10.0
G. SB External	0	1505	0	905	AG	0	3.1	.0	10.0
H. SB Approach	0	905	0	752	AG	0	5.2	.0	10.0
I. SB Depart	0	752	0	600	AG	950	5.2	.0	10.0
J. SB External	0	600	0	0	AG	950	3.1	.0	10.0
K. EB External	-750	750	-150	750	AG	990	3.1	.0	10.0
L. EB Approach	-150	750	2	750	AG	990	5.2	.0	10.0
M. EB Depart	2	750	155	750	AG	290	5.2	.0	10.0
N. EB External	155	750	755	750	AG	290	3.1	.0	10.0
O. WB External	755	755	155	755	AG	100	3.1	.0	10.0
P. WB Approach	155	755	2	755	AG	40	5.2	.0	10.0
Q. WB Depart	2	755	-150	755	AG	1100	5.2	.0	10.0
R. WB External	-150	755	-750	755	AG	1100	3.1	.0	10.0
S. EB Left	-150	750	2	752	AG	0	5.2	.0	10.0
T. WB Left	155	755	2	752	AG	60	5.2	.0	10.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: 134. Redlands Blvd/San Timoteo Canyon R
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-5	745	2.0
2. Receptor	10	745	2.0
3. Receptor	10	760	2.0
4. Receptor	-5	760	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	175.	1.3	.1	.0	.0	.0	.4	.0	.0	.0
2. Receptor	274.	1.4	.0	.0	.0	.0	.2	.0	.0	.0
3. Receptor	185.	1.0	.0	.1	.0	.0	.4	.0	.0	.0
4. Receptor	175.	1.6	.0	.0	.0	.0	.4	.0	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	.1	.0	.0	.6	.0	.0	.0	.0	.3	.1	.0	.0
3. Receptor	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	.6	.0	.0	.2	.0	.0	.0	.0	.2	.0	.0	.0

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12

```
CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: 12.  Theodore Street/Ironwood Avenue (2035)
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
```

I. SITE VARIABLES

```
     U=   1.0 M/S            Z0= 100. CM           ALT=   488. (M)
   BRG= WORST CASE           VD=   .0 CM/S
  CLAS=     7 (G)            VS=   .0 CM/S
  MIXH= 1000. M             AMB=   .0 PPM
 SIGTH=    5. DEGREES       TEMP=  4.4 DEGREE (C)
```

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	5	0	5	600	AG	430	3.1	.0	10.0
B. NB Approach	5	600	5	752	AG	140	5.2	.0	10.0
C. NB Depart	5	752	5	905	AG	170	5.2	.0	10.0
D. NB External	5	905	5	1505	AG	170	3.1	.0	10.0
E. NB Left	5	600	3	752	AG	290	5.2	.0	10.0
F. SB Left	0	905	3	752	AG	0	5.2	.0	10.0
G. SB External	0	1505	0	905	AG	770	3.1	.0	10.0
H. SB Approach	0	905	0	752	AG	770	5.2	.0	10.0
I. SB Depart	0	752	0	600	AG	10	5.2	.0	10.0
J. SB External	0	600	0	0	AG	10	3.1	.0	10.0
K. EB External	-750	750	-150	750	AG	190	3.1	.0	10.0
L. EB Approach	-150	750	3	750	AG	20	5.2	.0	10.0
M. EB Depart	3	750	155	750	AG	160	5.2	.0	10.0
N. EB External	155	750	755	750	AG	160	3.1	.0	10.0
O. WB External	755	755	155	755	AG	0	3.1	.0	10.0
P. WB Approach	155	755	3	755	AG	0	5.2	.0	10.0
Q. WB Depart	3	755	-150	755	AG	1050	5.2	.0	10.0
R. WB External	-150	755	-750	755	AG	1050	3.1	.0	10.0
S. EB Left	-150	750	3	752	AG	170	5.2	.0	10.0
T. WB Left	155	755	3	752	AG	0	5.2	.0	10.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: 12. Theodore Street/Ironwood Avenue (20
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-6	745	2.0
2. Receptor	11	745	2.0
3. Receptor	11	760	2.0
4. Receptor	-6	760	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	5.	.7	.0	.0	.0	.0	.0	.0	.0	.4
2. Receptor	276.	.6	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	266.	1.0	.0	.0	.0	.0	.0	.0	.0	.1
4. Receptor	266.	.9	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
3. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0
4. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0

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123

```
CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: 123.  Gilman Springs Rd/Bridge St (2035)
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
```

I. SITE VARIABLES

```
      U=   1.0 M/S            Z0= 100. CM           ALT=   488. (M)
    BRG= WORST CASE           VD=   .0 CM/S
   CLAS=     7 (G)            VS=   .0 CM/S
   MIXH= 1000. M             AMB=   .0 PPM
  SIGTH=    5. DEGREES       TEMP=  4.4 DEGREE (C)
```

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	6	0	6	600	AG	1010	3.1	.0	10.0
B. NB Approach	6	600	6	753	AG	980	5.2	.0	10.0
C. NB Depart	6	753	6	906	AG	1330	5.2	.0	10.0
D. NB External	6	906	6	1506	AG	1330	3.1	.0	10.0
E. NB Left	6	600	3	753	AG	30	5.2	.0	10.0
F. SB Left	0	906	3	753	AG	0	5.2	.0	10.0
G. SB External	0	1506	0	906	AG	1880	3.1	.0	10.0
H. SB Approach	0	906	0	753	AG	1880	5.2	.0	10.0
I. SB Depart	0	753	0	600	AG	1520	5.2	.0	10.0
J. SB External	0	600	0	0	AG	1520	3.1	.0	10.0
K. EB External	-750	750	-150	750	AG	500	3.1	.0	10.0
L. EB Approach	-150	750	3	750	AG	150	5.2	.0	10.0
M. EB Depart	3	750	156	750	AG	0	5.2	.0	10.0
N. EB External	156	750	756	750	AG	0	3.1	.0	10.0
O. WB External	756	756	156	756	AG	0	3.1	.0	10.0
P. WB Approach	156	756	3	756	AG	0	5.2	.0	10.0
Q. WB Depart	3	756	-150	756	AG	540	5.2	.0	10.0
R. WB External	-150	756	-750	756	AG	540	3.1	.0	10.0
S. EB Left	-150	750	3	753	AG	350	5.2	.0	10.0
T. WB Left	156	756	3	753	AG	0	5.2	.0	10.0

```
                                        123
      CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
               JUNE 1989 VERSION
               PAGE   2

          JOB: 123.  Gilman Springs Rd/Bridge St (2035)
          RUN: Hour 1           (WORST CASE ANGLE)
    POLLUTANT: Carbon Monoxide
```

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-6	744	2.0
2. Receptor	12	744	2.0
3. Receptor	12	762	2.0
4. Receptor	-6	762	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	6.	1.5	.0	.0	.3	.0	.0	.0	.0	.9
2. Receptor	354.	1.2	.0	.0	.7	.0	.0	.0	.0	.4
3. Receptor	353.	1.2	.0	.0	.7	.0	.0	.0	.0	.4
4. Receptor	174.	1.4	.0	.2	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

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```
CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: 124.  SR-79 NB/Gilman Springs Rd (2035)
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
```

I. SITE VARIABLES

```
      U=   1.0 M/S            Z0= 100. CM           ALT=   488. (M)
    BRG= WORST CASE           VD=   .0 CM/S
   CLAS=     7 (G)            VS=   .0 CM/S
   MIXH= 1000. M             AMB=   .0 PPM
  SIGTH=    5. DEGREES       TEMP=  4.4 DEGREE (C)
```

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	9	0	9	600	AG	700	3.1	.0	12.2
B. NB Approach	9	600	9	753	AG	80	5.2	.0	12.2
C. NB Depart	9	753	9	905	AG	60	5.2	.0	12.2
D. NB External	9	905	9	1505	AG	60	3.1	.0	12.2
E. NB Left	9	600	5	753	AG	620	5.2	.0	12.2
F. SB Left	0	905	5	753	AG	0	5.2	.0	12.2
G. SB External	0	1505	0	905	AG	0	3.1	.0	12.2
H. SB Approach	0	905	0	753	AG	0	5.2	.0	12.2
I. SB Depart	0	753	0	600	AG	720	5.2	.0	12.2
J. SB External	0	600	0	0	AG	720	3.1	.0	12.2
K. EB External	-750	750	-150	750	AG	1000	3.1	.0	10.0
L. EB Approach	-150	750	5	750	AG	970	5.2	.0	10.0
M. EB Depart	5	750	159	750	AG	1020	5.2	.0	10.0
N. EB External	159	750	759	750	AG	1020	3.1	.0	10.0
O. WB External	759	755	159	755	AG	1270	3.1	.0	10.0
P. WB Approach	159	755	5	755	AG	550	5.2	.0	10.0
Q. WB Depart	5	755	-150	755	AG	1170	5.2	.0	10.0
R. WB External	-150	755	-750	755	AG	1170	3.1	.0	10.0
S. EB Left	-150	750	5	753	AG	30	5.2	.0	10.0
T. WB Left	159	755	5	753	AG	720	5.2	.0	10.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: 124. SR-79 NB/Gilman Springs Rd (2035)
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-8	744	2.0
2. Receptor	17	744	2.0
3. Receptor	17	761	2.0
4. Receptor	-8	761	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	84.	1.3	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	276.	1.2	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	96.	1.0	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	96.	1.1	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.1	.0	.0	.0	.5	.0	.0	.2	.0	.0	.0	.3
2. Receptor	.0	.0	.0	.5	.0	.0	.0	.0	.3	.0	.0	.0
3. Receptor	.0	.0	.0	.0	.3	.0	.0	.3	.0	.0	.0	.3
4. Receptor	.0	.0	.0	.0	.3	.0	.0	.3	.0	.0	.0	.3

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```
CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: 125.  SR-79 SB/Gilman Springs Rd (2035)
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
```

I. SITE VARIABLES

```
      U=   1.0 M/S            Z0= 100. CM           ALT=   488. (M)
    BRG= WORST CASE           VD=   .0 CM/S
   CLAS=     7 (G)            VS=   .0 CM/S
   MIXH= 1000. M             AMB=   .0 PPM
  SIGTH=    5. DEGREES       TEMP=  4.4 DEGREE (C)
```

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	10	0	10	600	AG	0	3.1	.0	13.1
B. NB Approach	10	600	10	752	AG	0	5.2	.0	13.1
C. NB Depart	10	752	10	905	AG	0	5.2	.0	13.1
D. NB External	10	905	10	1505	AG	0	3.1	.0	13.1
E. NB Left	10	600	5	752	AG	0	5.2	.0	13.1
F. SB Left	0	905	5	752	AG	250	5.2	.0	13.1
G. SB External	0	1505	0	905	AG	270	3.1	.0	13.1
H. SB Approach	0	905	0	752	AG	20	5.2	.0	13.1
I. SB Depart	0	752	0	600	AG	850	5.2	.0	13.1
J. SB External	0	600	0	0	AG	850	3.1	.0	13.1
K. EB External	-750	750	-150	750	AG	1500	3.1	.0	10.0
L. EB Approach	-150	750	5	750	AG	1500	5.2	.0	10.0
M. EB Depart	5	750	160	750	AG	1010	5.2	.0	10.0
N. EB External	160	750	760	750	AG	1010	3.1	.0	10.0
O. WB External	760	755	160	755	AG	1190	3.1	.0	10.0
P. WB Approach	160	755	5	755	AG	1090	5.2	.0	10.0
Q. WB Depart	5	755	-150	755	AG	1100	5.2	.0	10.0
R. WB External	-150	755	-750	755	AG	1100	3.1	.0	10.0
S. EB Left	-150	750	5	752	AG	0	5.2	.0	10.0
T. WB Left	160	755	5	752	AG	100	5.2	.0	10.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: 125. SR-79 SB/Gilman Springs Rd (2035)
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-8	745	2.0
2. Receptor	18	745	2.0
3. Receptor	18	760	2.0
4. Receptor	-8	760	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	85.	1.5	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	274.	1.5	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	266.	1.4	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	265.	1.3	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.2	.0	.0	.3	.5	.0	.0	.3	.0	.0	.0	.0
2. Receptor	.1	.0	.0	.8	.2	.0	.0	.0	.3	.1	.0	.0
3. Receptor	.0	.0	.1	.3	.0	.0	.0	.2	.6	.0	.0	.0
4. Receptor	.0	.0	.1	.3	.0	.0	.0	.0	.8	.0	.0	.0

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```
CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: 134.  Redlands Blvd/San Timoteo Canyon R
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
```

I. SITE VARIABLES

```
      U=   1.0 M/S            Z0= 100. CM           ALT=   488. (M)
    BRG= WORST CASE           VD=   .0 CM/S
   CLAS=     7 (G)            VS=   .0 CM/S
   MIXH= 1000. M             AMB=   .0 PPM
  SIGTH=    5. DEGREES       TEMP=  4.4 DEGREE (C)
```

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	5	0	5	600	AG	1050	3.1	.0	10.0
B. NB Approach	5	600	5	752	AG	100	5.2	.0	10.0
C. NB Depart	5	752	5	905	AG	0	5.2	.0	10.0
D. NB External	5	905	5	1505	AG	0	3.1	.0	10.0
E. NB Left	5	600	2	752	AG	950	5.2	.0	10.0
F. SB Left	0	905	2	752	AG	0	5.2	.0	10.0
G. SB External	0	1505	0	905	AG	0	3.1	.0	10.0
H. SB Approach	0	905	0	752	AG	0	5.2	.0	10.0
I. SB Depart	0	752	0	600	AG	870	5.2	.0	10.0
J. SB External	0	600	0	0	AG	870	3.1	.0	10.0
K. EB External	-750	750	-150	750	AG	940	3.1	.0	10.0
L. EB Approach	-150	750	2	750	AG	940	5.2	.0	10.0
M. EB Depart	2	750	155	750	AG	230	5.2	.0	10.0
N. EB External	155	750	755	750	AG	230	3.1	.0	10.0
O. WB External	755	755	155	755	AG	160	3.1	.0	10.0
P. WB Approach	155	755	2	755	AG	100	5.2	.0	10.0
Q. WB Depart	2	755	-150	755	AG	1050	5.2	.0	10.0
R. WB External	-150	755	-750	755	AG	1050	3.1	.0	10.0
S. EB Left	-150	750	2	752	AG	0	5.2	.0	10.0
T. WB Left	155	755	2	752	AG	60	5.2	.0	10.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: 134. Redlands Blvd/San Timoteo Canyon R
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-5	745	2.0
2. Receptor	10	745	2.0
3. Receptor	10	760	2.0
4. Receptor	-5	760	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	175.	1.2	.0	.0	.0	.0	.4	.0	.0	.0
2. Receptor	274.	1.3	.0	.0	.0	.0	.2	.0	.0	.0
3. Receptor	266.	1.0	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	175.	1.4	.0	.0	.0	.0	.4	.0	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	.1	.0	.0	.6	.0	.0	.0	.0	.2	.1	.0	.0
3. Receptor	.0	.0	.0	.2	.0	.0	.0	.0	.6	.0	.0	.0
4. Receptor	.5	.0	.0	.1	.0	.0	.0	.0	.2	.0	.0	.0

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Appendix C:
Air Pollutant Health Effects Information

DRAFT FINAL 2012 AQMP
APPENDIX I
VERSION 3

HEALTH EFFECTS

NOVEMBER 2012

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT GOVERNING BOARD

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And

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INTRODUCTION

This document presents a summary of scientific findings on the health effects of ambient air pollutants. The California Health and Safety Code Section 40471(b) requires that the South Coast Air Quality Management District prepare a report on the health impacts of particulate matter in the South Coast Air Basin (SCAB) in conjunction with the preparation of the Air Quality Management Plan revisions. This document, which was prepared to satisfy that requirement, also includes the effects of the other major pollutants.

HEALTH EFFECTS OF AIR POLLUTION

Ambient air pollution is a major public health concern. Excess deaths and increases in illnesses associated with high air pollution levels have been documented in several episodes as early as 1930 in Meuse Valley, Belgium; 1948 in Donora, Pennsylvania; and 1952 in London. Although levels of pollutants that occurred during these acute episodes are now unlikely in the United States, ambient air pollution continues to be linked to increases in illness and other health effects (morbidity) and increases in death rates (mortality).

The adverse health effects associated with air pollution are diverse and include:

- Premature mortality
- Cardiovascular effects
- Increased health care utilization (hospitalization, physician and emergency room visits)
- Increased respiratory illness and other morbidity (symptoms, infections, and asthma exacerbation)
- Decreased lung function (breathing capacity)
- Lung inflammation
- Potential immunological changes

- Increased airway reactivity to a known pharmacological agent exposure - a method used in laboratories to evaluate the tendency of airways to have an increased possibility of developing an asthmatic response
- A decreased tolerance for exercise.
- Adverse birth outcomes such as low birth weights

The evidence linking these effects to air pollutants is derived from population-based observational and field studies (epidemiological) as well as controlled laboratory studies involving human subjects and animals. There have been an increasing number of studies focusing on the mechanisms (that is, on learning how specific organs, cell types, and biomarkers are involved in the human body's response to air pollution) and specific pollutants responsible for individual effects. Yet the underlying biological pathways for these effects are not always clearly understood.

Although individuals inhale pollutants as a mixture under ambient conditions, the regulatory framework and the control measures developed are pollutant-specific for six major outdoor pollutants covered under Sections 108 and 109 of the clean Air Act. This is appropriate, in that different pollutants usually differ in their sources, their times and places of occurrence, the kinds of health effects they may cause, and their overall levels of health risk. Different pollutants, from the same or different sources, oftentimes occur together. Evidence for more than additive effects have not been strong and, as a practical matter, health scientists, as well as regulatory officials, usually must deal with one pollutant at a time in adopting air quality standards. To meet the air quality standards, comprehensive plans are developed such as the Air Quality Management Plan (AQMP), and to minimize toxic exposure a local air toxics control plan is also prepared. These plans examine multiple pollutants, cumulative impacts, and transport issues related to attaining healthful air quality. A brief overview of the effects observed and attributed to various air pollutants is presented in this document.

This summary is drawn substantially from reviews presented previously (SCAQMD, 1996, 2003, 2007), and from reviews on the effects of air pollution by the American Thoracic Society (ATS, 1996), the U.S. EPA reviews for ozone (U.S. EPA, 2006), Carbon Monoxide (U.S. EPA, 2010), and Particulate Matter (U.S. EPA, 2004, 2009), from a published review of the health effects of air pollution (Brunekreef and Holgate, 2002), and from reviews prepared by the California Air Resources Board and the California EPA Office of the Environmental Health Hazard Assessment for

Particulate Matter (CARB, 2002), for Ozone (CARB, 2005) and for NO2 (CARB 2007). Additional materials are from EPA's current and ongoing review of the ozone standard and health effects (EPA, 2012c, d). More detailed citations and discussions on air pollution health effects can be found in these references.[1]

Also included are are tables showing summaries of the EPA conclusions regarding the causality of air pollution health effects. The TABLE 1-1 below shows the five descriptors used by EPATABLE 1-1

Weight of evidence descriptions for causal determination

DETERMINATION	WEIGHT OF EVEDENCE
Causal Relationship	Evidence is sufficient to conclude that there is a causal relationship with relevant pollutant exposures. That is, the pollutant has been shown to result in health effects in studies in which chance, bias, and confounding could be ruled out with reasonable confidence. For example: a) controlled human exposure studies that demonstrate consistent effects; or b) observational studies that cannot be explained by plausible alternatives or are supported by other lines of evidence (e.g., animal studies or mode of action information). Evidence includes replicated and consistent high-quality studies by multiple investigators. Evidence is sufficient to conclude that there is a causal relationship with relevant pollutant exposures. That is, the pollutant has been shown to result in effects in studies in which chance, bias, and confounding could be ruled out with reasonable confidence. Controlled exposure studies (laboratory or small- to medium-scale field studies) provide the strongest evidence for causality, but the scope of inference may be limited. Generally, determination is based on multiple studies conducted by multiple research groups, and evidence that is considered sufficient to infer a causal relationship is usually obtained from the joint consideration of many lines of evidence that reinforce each other.
Likely To Be A Causal Relationship	Evidence is sufficient to conclude that a causal relationship is likely to exist with relevant pollutant exposures, but important uncertainties remain. That is, the pollutant has been shown to result in health effects in studies in which chance and bias can be ruled out with reasonable confidence but potential issues remain. For example: a) observational studies show an association, but copollutant exposures are difficult to address and/or other lines of evidence (controlled human exposure, animal, or mode of action information) are limited or inconsistent; or b) animal toxicological evidence from multiple studies from different

[1] Most of the studies referred to in this appendix are cited in the above sources. Only more recent specific references selected references to provide examples of the types of health effects will be cited in this summary.

DETERMINATION	WEIGHT OF EVEDENCE
	laboratories that demonstrate effects, but limited or no human data are available. Evidence generally includes replicated and high-quality studies by multiple investigators.
Suggestive Of A Causal Relationship	Evidence is suggestive of a causal relationship with relevant pollutant exposures, but is limited because chance, bias and confounding cannot be ruled out. For example, at least one high-quality epidemiologic study shows an association with a given health outcome but the results of other studies are inconsistent.
Inadequate To Infer A Causal Relationship	Evidence is inadequate to determine that a causal relationship exists with relevant pollutant exposures. The available studies are of insufficient quantity, quality, consistency or statistical power to permit a conclusion regarding the presence or absence of an effect.
Not Likely To Be A Causal Relationship	Evidence is suggestive of no causal relationship with relevant pollutant exposures. Several adequate studies, covering the full range of levels of exposure that human beings are known to encounter and considering susceptible populations, are mutually consistent in not showing an effect at any level of exposure.

Adapted from EPA 2009

OZONE

Ozone is a highly reactive compound, and is a strong oxidizing agent. When ozone comes into contact with the respiratory tract, it can react with tissues and cause damage in the airways. Since it is a gas, it can penetrate into the gas exchange region of the deep lung.

The EPA primary standard for ozone, adopted in 2008, is 0.075 ppm averaged over eight hours. The California Air Resources Board (CARB) has established standards of 0.09 ppm averaged over one hour and at 0.070 ppm averaged over eight hours.

A number of population groups are potentially at increased risk for ozone exposure effects. In the ongoing review of ozone, the EPA has identified populations as having adequate evidence for increased risk from ozone exposures include individuals with asthma, younger and older age groups, individuals with reduced intake of certain nutrients such as Vitamins C and E, and outdoor workers. There is suggestive evidence for other potential factors, such as variations in genes related to oxidative metabolism or inflammation, gender, socioeconomic status, and obesity. However further evidence is needed.

The adverse effects reported with short-term ozone exposure are greater with increased activity because activity increases the breathing rate and the volume of air reaching the lungs, resulting in an increased amount of ozone reaching the lungs. Children may be a particularly vulnerable population to air pollution effects because they spend more time outdoors, are generally more active, and have a higher specific ventilation rate than adults (i.e. after normalization for body mass.

A number of adverse health effects associated with ambient ozone levels have been identified from laboratory and epidemiological studies (EPA, 1996; 2006, 2011; ATS, 1996). These include increased respiratory symptoms, damage to cells of the respiratory tract, decrease in lung function, increased susceptibility to respiratory infection, an increased risk of hospitalization, and increased risk of mortality.

Increases in ozone levels are associated with increased numbers of absences from school. The Children's Health Study, conducted by researchers at the University of Southern California, followed a cohort of children that live in 12 communities in Southern California with differing levels of air pollution for several years. A publication from this study reported that school absences in fourth graders for respiratory illnesses were positively associated with ambient ozone levels. An increase of 20 ppb ozone was associated with an 83% increase in illness-related absence rates (Gilliland, 2001).

The number of hospital admissions and emergency room visits for all respiratory causes (infections, respiratory failure, chronic bronchitis, etc.) including asthma shows a consistent increase as ambient ozone levels increase in a community. These excess hospital admissions and emergency room visits are observed when hourly ozone concentrations are as low as 0.06 to 0.10 ppm.

Numerous recent studies have found positive associations between increases in ozone levels and excess risk of mortality. These associations are strongest during warmer months but overall persist even when other variables including season and levels of particulate matter are accounted for. This indicates that ozone mortality effects may be independent of other pollutants (Bell, 2004).

Multicity studies of short-term ozone exposures (days) and mortality have also examined regional differences. Evidence was provided that there were generally higher ozone-mortality risk estimates in northeastern U.S. cities, with the southwest and urban mid-west cities showing lower or no associations (Smith, 2009; Bell, 2008). Another long-term study of a national cohort found that long-term exposures

to ozone were associated with respiratory-related causes of mortality, but not cardiovascular-related causes, when PM2.5 exposure were also included in the analysis.

In the ongoing EPA review, it was concluded that there is adequate evidence for asthmatics to be a potentially at risk population (EPA, 2012c). Several population-based studies suggest that asthmatics are at risk from ambient ozone levels, as evidenced by changes in lung function, increased hospitalizations and emergency room visits.

Laboratory studies have also compared the degree of lung function change seen in age and gender-matched healthy individuals versus asthmatics and those with chronic obstructive pulmonary disease. In studies of individuals with chronic obstructive pulmonary decease, the degree of change evidenced did not differ significantly. That finding, however, may not accurately reflect the true impact of exposure on these respiration-compromised individuals. Since the respiration-compromised group may have lower lung function to begin with, the same total change may represent a substantially greater relative adverse effect overall. Other studies have found that subjects with asthma are more sensitive to the short term effects of ozone in terms of lung function and inflammatory response.

Another publication from the Children's Health Study focused on children and outdoor exercise. In southern California communities with high ozone concentrations, the relative risk of developing asthma in children playing three or more sports was found to be over three times higher than in children playing no sports (McConnell, 2002). These findings indicate that new cases of asthma in children may be associated with performance of heavy exercise in communities with high levels of ozone. While it has long been known that air pollution can exacerbate symptoms in individuals with preexisting respiratory disease, this is among the first studies that indicate ozone exposure may be causally linked to asthma onset.

In addition, human and animal studies involving both short-term (few hours) and long-term (months to years) exposures indicate a wide range of effects induced or associated with ambient ozone exposure. These are summarized in Table I-1.

TABLE I-2

Adverse Health Effects of Ozone (O3) - Summary of Key Findings

0_3 CONCENTRATION AND EXPOSURE HR., PPM	HEALTH EFFECT
Ambient air containing 0.10 - 0.15 daily 1-h max over days to weeks;	Decreased breathing capacity, in children, adolescents, and adults exposed to 0_3 outdoors
< 0.06 (Max 8 hour average)	Positive associations of ambient O3 with respiratory hospital admissions and ED visits in the U.S., Europe, and Canada with supporting evidence from single city studies. Generally, these studies had mean 8-h max O3 concentrations less than 60 ppb.
< 0.069 (Mean 8 hour average)	Positive associations between short-term exposure to ambient O3 and respiratory symptoms (e.g., cough, wheeze, and shortness of breath) in children with asthma. Generally, these studies had mean 8-h max O3 concentrations less than 69 ppb.
≥0.12 (1-3h) ≥0.06 (6.6h) (chamber exposures)	Decrements in lung function (reduced ability to take a deep breath), increased respiratory symptoms (cough, shortness of breath, pain upon deep inspiration), increased airway responsiveness and increased airway inflammation in exercising adults Effects are similar in individuals with preexisting disease except for a greater increase in airway responsiveness for asthmatic and allergic subjects Older subjects (>50 yrs old) have smaller and less reproducible changes in lung function Attenuation of response with repeated exposure
≥0.12 with prolonged, repeated exposure (chamber exposures)	Changes in lung structure, function, elasticity, and biochemistry in laboratory animals that are indicative of airway irritation and inflammation with possible development of chronic lung disease Increased susceptibility to bacterial respiratory infections in laboratory animals

From: SCAQMD, 1996; EPA, 2007, EPA, 2012c, Kim 2011

Some lung function responses (volume and airway resistance changes) observed after a single exposure to ozone exhibit attenuation or a reduction in magnitude with repeated exposures. Although it has been argued that the observed shift in response

is evidence of a probable adaptation phenomenon, it appears that while functional changes may exhibit attenuation, biochemical and cellular changes which may be associated with episodic and chronic exposure effects may not exhibit similar adaptation. That is, internal damage to the respiratory system may continue with repeated ozone exposures, even if externally observable effects (chest symptoms and reduced lung function) disappear. Additional argument against adaptation is that after several days or weeks without ozone exposures, the responsiveness in terms of lung function as well as symptoms returns.

In a laboratory, exposure of human subjects to low levels of ozone causes reversible decrease in lung function as assessed by various measures such as respiratory volumes, airway resistance and reactivity, irritative cough and chest discomfort. Lung function changes have been observed with ozone exposure as low as 0.06 to 0.12 ppm for 6-8 hours under moderate exercising conditions. Similar lung volume changes have also been observed in adults and children under ambient exposure conditions (0.10 - 0.15 ppm 1-hour average). The responses reported are indicative of decreased breathing capacity and are reversible.

The results of several studies where human volunteers were exposed to ozone for 6.6 hours at levels between 0.04 and 0.12 ppm were recently summarized (Brown, 2008). As shown in the figure below, there is an increasing response on lung function with increasing exposure levels in moderately exercising subjects. A more recent study (Kim, 2010) exposed young healthy adults to 0.06 ppm ozone for 6.6 hours while engaging in intermittent moderate exercise. The subjects exhibited a reduction in lung function (FEV1) after exposure.

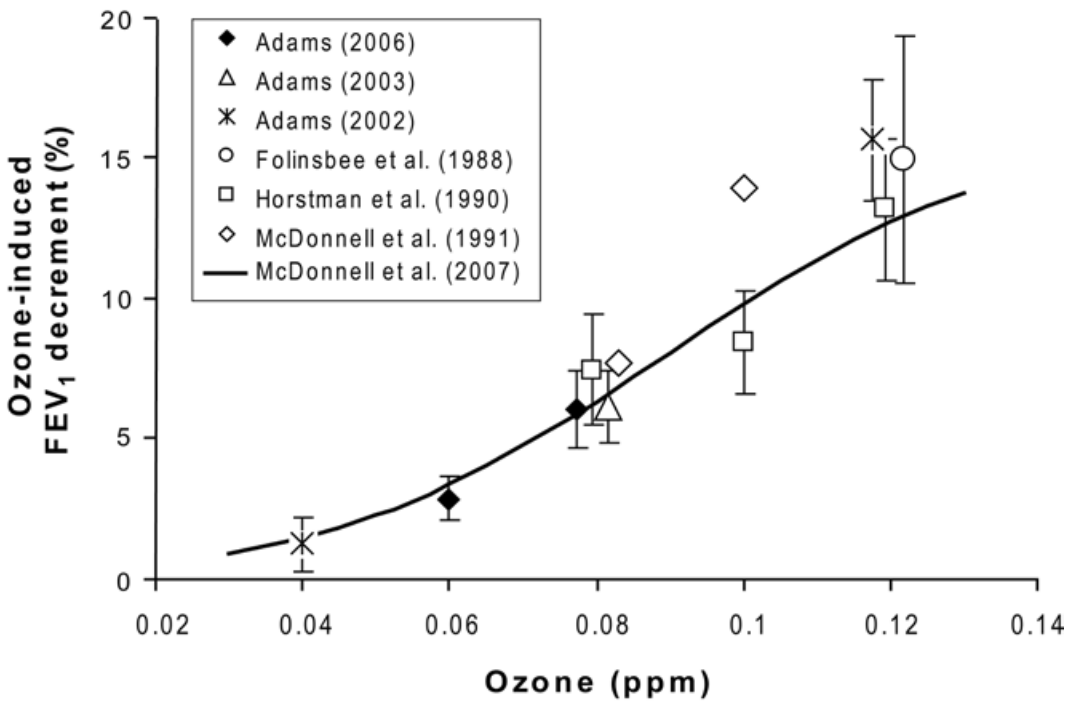

FIGURE I-1

Comparison of mean ozone-induced decrements in lung function following 6.6 hours of ozone exposure (from Brown, 2008)

In addition to controlled laboratory conditions, studies of individuals exercising outdoors, including children attending summer camp, have shown associations of reduced lung function with ozone exposure. There were wide ranges in responses among individuals. EPA's recent review indicates reductions of <1 to 4% in lung function when standardized to an increase of 0.03 ppm for an 8-hour maximum (EPA 2012).

Results of epidemiology studies support the relationship between ozone exposure and respiratory effects. Several, but not all, studies have found associations of short-term ozone levels and hospital admissions and emergency department admissions for respiratory-related conditions (EPA, 2011).

In laboratory studies, cellular and biochemical changes associated with respiratory tract inflammation have also been consistently found in the airway lining after low level exposure to ozone. These changes include an increase in specific cell types and in the concentration of biochemical mediators of inflammation and injury such as Interleukin-1, Tumor Necrosis Factor α, and fibronectin. Indications of lung injury

and inflammatory changes have been observed in healthy adults exposed to ozone in the range of 0.06 to 0.10 ppm for up to 6.6 hours with intermittent moderate exercise.

There may be interactions between ozone and other ambient pollutants. The susceptibility to ozone observed under ambient conditions could be modified due to the combination of pollutants that coexist in the atmosphere or ozone might sensitize these subgroups to the effects of other pollutants.

Some animal studies show results that indicate possible chronic effects including functional and structural changes of the lung. These changes indicate that repeated inflammation associated with ozone exposure over a lifetime may result in cumulative damage to respiratory tissue such that individuals later in life may experience a reduced quality of life in terms of respiratory function and activity level achievable. An autopsy study involving Los Angeles County residents, although conducted many years ago when pollutant levels were higher than currently measured, provided supportive evidence of lung tissue damage (structural changes) attributable to air pollution.

A study of birth outcomes in southern California found an increased risk for birth defects in the aortic and pulmonary arteries associated with ozone exposure in the second month of pregnancy (Ritz et al., 2002). This was the first study linking ambient air pollutants to birth defects in humans. Studies conducted since mostly focusing on cardiac and oral cleft defects have found mixed results, with some showing associations, but others did not.

In summary, adverse effects associated with ozone exposures have been well documented. Although the specific mechanisms of actions are not fully identified, there is a strong likelihood that oxidation of key enzymes and proteins and inflammatory responses play important roles.

It may be instructive to provide the overall EPA staff preliminary conclusions on the causality on ozone health effects for the health outcomes evaluated (EPA, 2011). These are provided in the two tables below. On the basis of the most recent evaluations of ozone health effects, EPA's Clean Air Scientific Advisory Committee has recommended that the NAAQS for ozone be reduced and recommended a range in which 0.070 ppm would be the upper limit. This would be consistent with the California air quality standard.

TABLE I-3

Summary of Causal Determinations for Short-Term Exposures to Ozone

HEALTH CATEGORY	CAUSAL DETERMINATION
Respiratory Effects	Causal relationship
Cardiovascular Effects	Suggestive of a causal relationship
Central Nervous System Effects	Suggestive of a causal relationship
Effects on Liver and Xenobiotic Metabolism	Inadequate to infer a causal relationship
Effects on Cutaneous and Ocular Tissues	Inadequate to infer a causal relationship
Mortality	Likely to be a causal relationship

From EPA, 2011

TABLE I-4

Summary of Causal Determinations for Long-Term Exposures to Ozone

HEALTH CATEGORY	CAUSAL DETERMINATION
Respiratory Effects	Likely to be a causal relationship
Cardiovascular Effects	Suggestive of a causal relationship
Reproductive and Developmental Effects	Suggestive of a causal relationship
Central Nervous System Effects	Suggestive of a causal relationship
Carcinogenicity and Genotoxicity	Inadequate to infer a causal relationship
Mortality	Suggestive of a causal relationship

From EPA, 2012c

PARTICULATE MATTER

Airborne particulates are a complex group of pollutants that vary in source, size and composition, depending on location and time. The components include nitrates, sulfates, elemental carbon, organic carbon compounds, acid aerosols, trace metals, and material from the earth's crust. Substances of biological origin, such as pollen and spores, may also be present.

The National Ambient Air Quality Standard for particulate matter was established in 1971, and set limits on the ambient level of Total Suspended Particulates (TSP). In 1987, the national particulate matter standards were revised to cover particles sized 10 μm (micrometers) aerodynamic diameter and smaller. These can be inhaled through the upper airways and deposited in the lower airways and gas exchange tissues in the lung. These particles are referred to as PM10. EPA initially promulgated ambient air quality standards for PM10 of 150 $\mu g/m^3$ averaged over a 24-hour period, and 50 $\mu g/m^3$ for an annual average. EPA has since rescinded the annual PM10 standard, but kept the 24-hour standard.

In more recent years additional focus has been placed on particles having an aerodynamic diameter of 2.5 μm or less (PM2.5). A greater faction of particles in this size range can penetrate and deposit deep in the lungs. The EPA established standards for PM2.5 in 1997 and in 2006 lowered the air quality standards for PM2.5 to 35 $\mu g/m^3$ for a 24-hour average and reaffirmed 15 $\mu g/m^3$ for an annual average standard. There was considerable controversy and debate surrounding the review of particulate matter health effects and the consideration of ambient air quality standards (Kaiser, 1997; Vedal, 1997) when the EPA promulgated the initial PM2.5 standards in 1997. The California Air Resources Board adopted an air quality standard for PM2.5 in 2002 at 12 $\mu g/m^3$ annual average.

Since that time, numerous studies have been published, and some of the key studies were closely scrutinized and the data reanalyzed by additional investigators. The reanalyses confirmed the findings of significant result, and there are now substantial new data confirming and extending the range of the adverse health effects of PM2.5 exposures.

There are also differences in the composition and sources of particles in the different size ranges that may have implications for health effects. The particles larger than 2.5 μm (often referred to as the coarse fraction) are mostly produced by mechanical processes. These include automobile tire wear, industrial processes such as cutting and grinding, and resuspension of particles from the ground or road surfaces by wind and human activities.

In contrast, particles smaller than 2.5 μm are mostly derived from combustion sources, such as automobiles, trucks, and other vehicle exhaust, as well as from stationary combustion sources. The particles are either directly emitted or are formed in the atmosphere from gases that are emitted. Components from material in the

earth's crust, such as dust, are also present, with the amount varying in different locations.

Attention to another range of very small particles has been increasing over the last few years. These are generally referred to as "ultrafine" particles, with diameters of 0.1 μm or less. These particles are mainly from fresh emissions of combustion sources, but are also formed in the atmosphere by condensation of vapors that are emitted or by chemical or photochemical reactions with other contaminants in the air.

Ultrafine particles have relatively short half lives (minutes to hours) and rapidly grow through condensation and coagulation process into larger particles within the PM2.5 size range. These particles are garnering interest since a limited number of epidemiological and some laboratory studies, though not all, indicate that their toxicity may be higher on a mass basis than larger particles. There is also evidence that these small particles, or toxic components carried on their surface, can translocate from the lung to the blood and to other organs of the body.

There have been several reviews of the health effects of ambient particulate matter (ATS, 1996; Brunekreef, 2002; U.S. EPA, 2004; U.S. EPA, 2009; Brook, 2012). In addition, the California Air Resources Board (CARB) and the Office of Environmental Health and Hazard Assessment (OEHHA) have reviewed the adequacy of the California Air Quality Standards for Particulate Matter (Cal EPA, 2002).

The major types of effects associated with particulate matter include:

- Increased mortality
- Exacerbation of respiratory disease and of cardiovascular disease as evidenced by increases in:
    - Respiratory symptoms
    - Cardiovascular symptoms, non-fatal myocardial infarction
    - Hospital admissions and emergency room visits
    - Physician office visits
    - School absences
    - Adverse birth outcomes

- Effects on lung function
- Changes in lung morphology

The California Air Resources Board has also set air quality standards for particulate matter. The current federal and California standards are listed below:

TABLE I-5

Ambient Air Quality Standards for Particulate Matter

STANDARD	FEDERAL	CALIFORNIA
PM10 24-Hour average	150 μg/m^3	50 μg/m^3
PM10 Annual Average	--	20 μg/m^3
PM 2.5 24-Hour Average	35 μg/m^3	--
PM 2.5 Annual Average	15 μg/m^3	12 μg/m^3

Short-Term Exposure Effects

Epidemiological studies have provided evidence for most of the effects listed above. An association between increased daily or several-day-average concentrations of PM10 and excess mortality and morbidity is consistently reported from studies involving communities across the U.S. as well as in Europe, Asia, and South America. A review and analysis of epidemiological literature for acute adverse effects of particulate matter was published by the American Thoracic Society in 1996. Several adverse effects were listed as associated with daily PM10 exposures, as listed in Table I-5. It also appears that individuals who are elderly or have preexistent lung or heart disease are more susceptible than others to the adverse effects of PM10 (ATS, 1996).

Since then many more recent studies have confirmed that excess mortality and morbidity are associated with short term particulate matter levels (Pope, 2006).

Estimates of mortality effects from studies of PM10 exposures range from 0.3 to 1.7% increase for a 10 μg/m^3 increase in PM10 levels. The National Morbidity, Mortality, and Air Pollution Study (NMMAPS), a study of 20 of the largest U.S. cities, determined a combined risk estimate of about a 0.5% increase in total mortality for a 10 μg/m^3 increase in PM10 (Samet, 2000a). This study also analyzed

the effects of gaseous co-pollutants. The results indicated that the association of PM10 and mortality were not confounded by the presence of the gaseous pollutants. When the gaseous pollutants were included in the analyses, the significance of the PM10 estimates remained. The PM10 effects were reduced somewhat when O_3 was also considered and tended to be variably decreased when NO_2, CO, and SO_2 were added to the analysis. These results argue that the effects are likely due to the particulate exposures; they cannot readily be explained by coexisting weather stresses or other pollutants.

TABLE I-6

Combined Effect Estimates of Daily Mean Particulate Pollution (PM10)

	% CHANGE IN HEALTH INDICATOR PER EACH 10 µg/m^3 INCREASE IN PM10
Increase in Daily Mortality	
Total deaths	1.0
Respiratory deaths	3.4
Cardiovascular deaths	1.4
Increase in Hospital Usage (all respiratory diagnoses)	
Admissions	1.4
Emergency department visits	0.9
Exacerbation of Asthma	
Asthmatic attacks	3.0
Bronchodilator use	12.2
Emergency department visits*	3.4
Hospital admissions	1.9
Increase in Respiratory Symptom Reports	
Lower respiratory	3.0
Upper respiratory	0.7
Cough	2.5
Decrease in Lung Function	
Forced expiratory volume	0.15
Peak expiratory flow	0.08

* One study only

(Source: American Journal of Respiratory and Critical Care Medicine, Vol. 153, 113-50, 1996)

An expansion of the NMMAPS study to 90 U.S. Cities also reported association with PM10 levels and mortality (Samet 2000b; HEI, 2003). It was discovered that this study was one that used a software package with inappropriate default settings. The investigators have reanalyzed the data using corrected settings for the software (Dominici, 2002a, Dominici 2002b). When the estimates for the 90 cities in the study were recalculated, the estimate changed from 0.41% increase in mortality for a 10 $\mu g/m^3$ increase in PM10 to a 0.27% increase. There remained a strong positive association between acute exposure to PM10 and mortality. When an alternate model was used, the average estimate was 0.21% increase in mortality per 10ug/m3 increase in PM10 (HEI, 2003). Thus while the quantitative estimate was reduced, the major findings of the study did not change.

Studies of short term exposures to PM2.5 have also found associations with increases in mortality. The NMMAPS study conducted a national analysis of PM2.5 mortality association for 1999-2000. The risk estimates were 0.29% for all-cause mortality and 0.38% for cardio-respiratory mortality (Dominici. 2007). In its recent review EPA determined that estimates for PM2.5 generally are in the range of 0.29 to 1.21% increase in total deaths per 10 $\mu g/m^3$ increase in 24-hour PM2.5 levels. The estimates for cardiovascular related mortality range from 0.03 to 1.03% per 10 $\mu g/m^3$, and for respiratory mortality estimates range from 1.01to 2.2% per 10 $\mu g/m^3$ 24-hour PM2.5 (EPA,2009). FIGURE I-2 shows a summary of recent studies of mortality and short term PM2.5 exposures.

Several studies have attempted to assess the relative importance of particles smaller than 2.5 μm and those between 2.5 μm and 10 μm (PM10-2.5). While some studies report that PM2.5 levels are better predictors of mortality effects, others suggest that PM10-2.5 is also important. Most of the studies found higher mortality associated with PM2.5 levels than with PM10-2.5. For example, a study of six cities in the U.S. found that particulate matter less than 2.5 μm was associated with increased mortality, but that the larger particles were not. In the EPA review, (EPA, 2009) several studies were presented that that found associations of PM10-2.5 and mortality. Some of the studies showed differences by region of the U.S. In one study of 47 U.S. cities that had both PM2.5 and PM10 data available to calculate PM10-2.5 as a difference. Overall, the study found a significant association between

the computed PM10—2.5 and all cause, cardiovascular, and respiratory mortality. The study also reported difference by season and climate area.

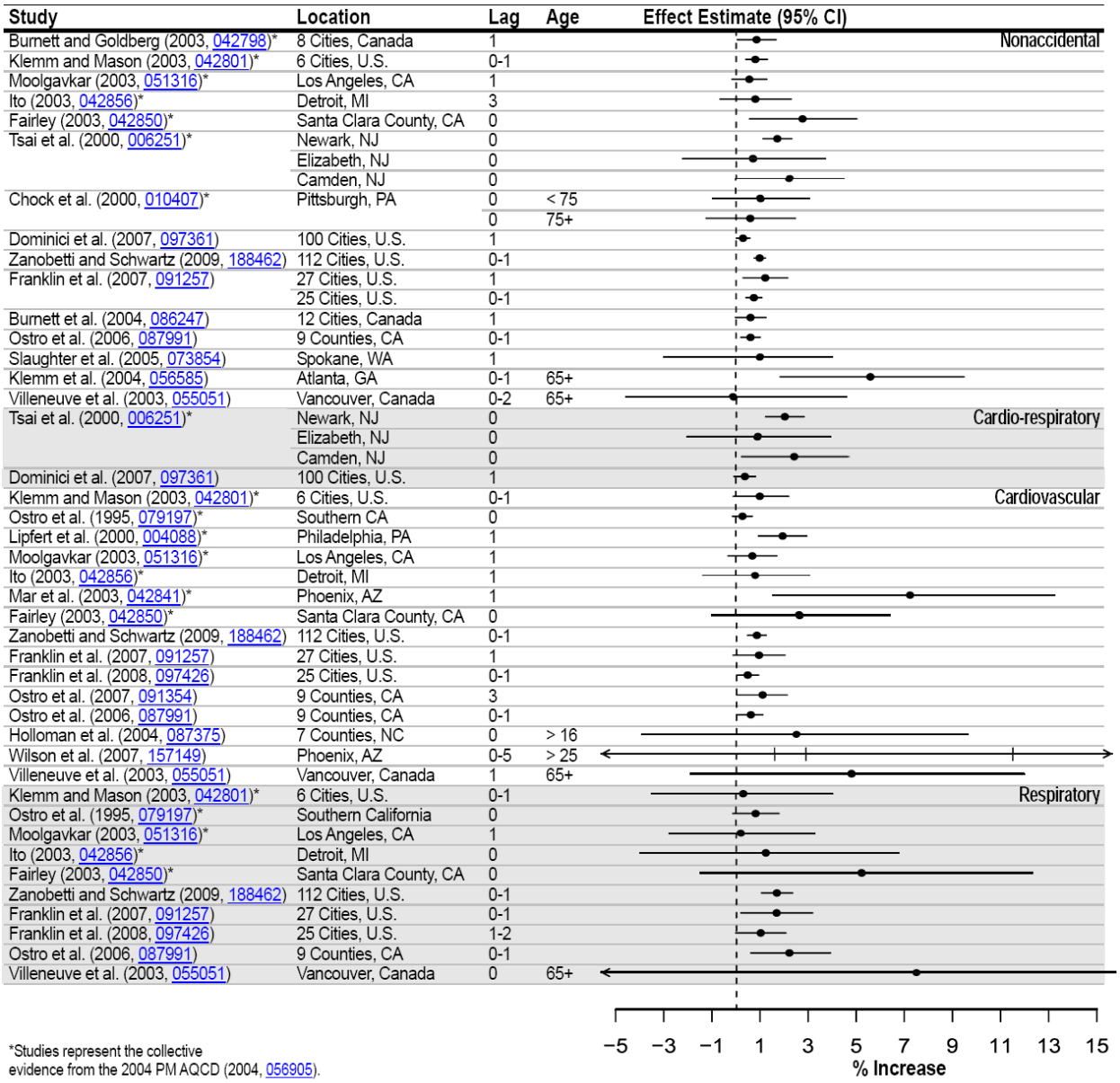

FIGURE I-2

Summary of nonaccidental mortality per 10 µg/m3 increase in PM2.5 short- term exposures (from EPA 2009)

The relative importance of both PM2.5 and PM10-2.5 may vary in different regions depending on the relative concentrations and components, which can also vary by season. A major knowledge gap is the relative paucity of direct measurements of

PM2.5-10. Most estimates are made by subtracting PM2.5 from PM10 measured at co-located samplers, a process that is subject to errors that are inherent in the subtracting of one relatively large number from another. More research is needed to better assess the relative effects of fine (PM2.5) and coarse (PM10-2.5) fractions of particulate matter on mortality. A graph from the EPA review is included below to demonstrate ranges of mortality findings.

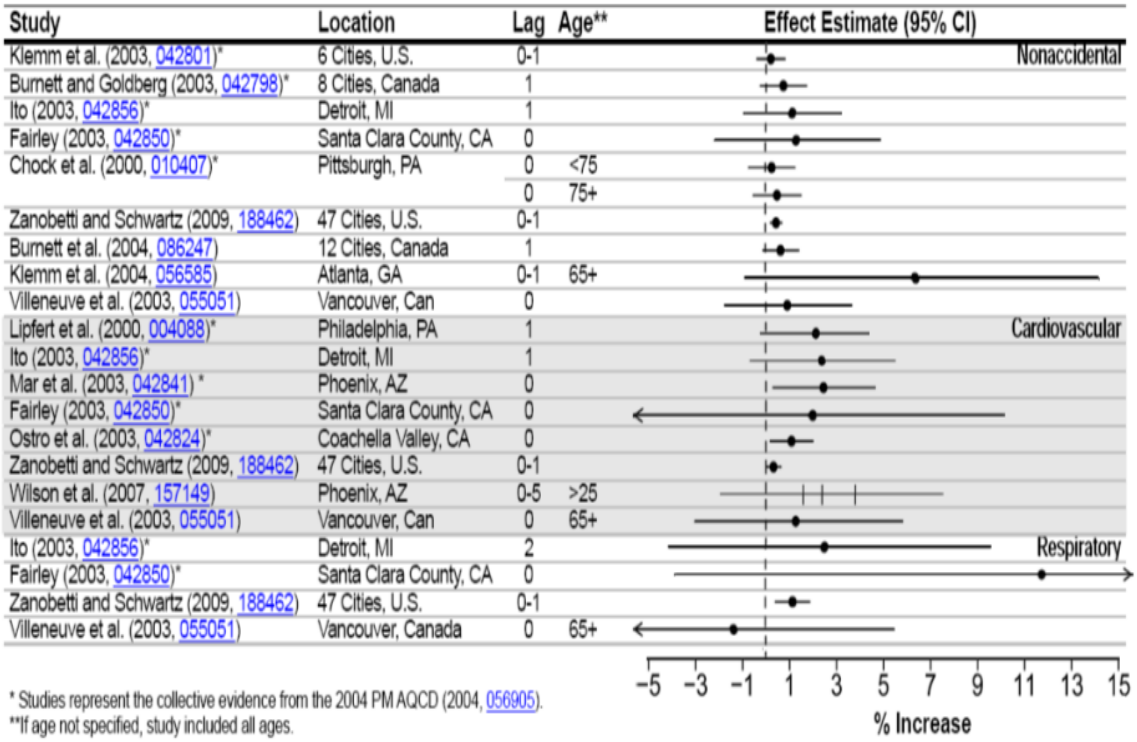

FIGURE I-3

Summary of percent increase in total (nonaccidental) and cause-specific mortality per 10 µg/m3 increase in PM10-2.5 (from EPA. 2009)

A number of studies have evaluated the association between particulate matter exposure and indices of morbidity such as hospital admissions, emergency room visits or physician office visits for respiratory and cardiovascular diseases. The effects estimates are generally higher than the effects for mortality. The effects are associated with measures of PM10 and PM2.5. Effects are also associated with PM10-2.5.

In the NMMAPS study, hospital admissions for those 65 years or older were assessed in 14 cities. Several models were compared to estimate associations of hospital

admissions for specific disease categories and short term PM10 levels. Hospital admissions showed an increase ranging from 0.68 – 1.47% for cardiovascular diseases, a range of 1.46 – 2.88% increase for chronic obstructive pulmonary disease, and a range of 1.31 – 2.86% increase for pneumonia per 10 $\mu g/m^3$ increase in PM10. (Samet, 2000) In the reanalysis of the study, (HEI 2003), it was found that using different models the pollution coefficients were on average lower. However the authors note that most of the conclusions of associations with PM10 exposures and hospital admissions held.

Similarly, school absences, lost workdays and restricted activity days have also been used in some studies as indirect indicators of acute respiratory conditions. The results are suggestive of both immediate and delayed impact on these parameters following elevated particulate matter exposures. These observations are consistent with the hypothesis that increased susceptibility to infection follows particulate matter exposures, which is consistent with mechanistic studies that show PM exposures may suppress the immune system.

Some studies have reported that short-term particulate matter exposure is associated with changes in lung function (lung capacity and breathing volume); upper respiratory symptoms (hoarseness and sore throat); and lower respiratory symptoms (increased sputum, chest pain and wheeze). The severity of these effects is widely varied and is dependent on the population studied, such as adults or children with and without asthma. Sensitive individuals, such as those with asthma or pre-existing respiratory disease, may have increased or aggravated symptoms associated with short-term particulate matter exposures. Several studies have followed the number of medical visits associated with pollutant exposures. A range of increases from 1 to 4% for medical visits for respiratory illnesses was found corresponding to a 10 $\mu g/m^3$ change in PM10. A number of studies also looked at levels of PM2.5 or PM10-2.5. The findings suggest that both the fine and coarse fractions may have associations with some respiratory symptoms (EPA, 2009).

The biological mechanisms by which particulate matter can produce health effects are being investigated in laboratory studies. Inflammatory responses in the respiratory system in humans and animals exposed to concentrated ambient particles have been measured. These include effects such as increases in neutrophils in the lungs. Other changes reported include increased release of cytokines and interleukins, chemicals released as part of the inflammatory process. The effects of particulate matter may be mediated in part through the production of reactive oxygen species

during the inflammatory process. Several reviews discuss mechanistic studies in more detail (Brunekreef, 2002; Brook, 2004, Brook, 2010).

Long-Term Exposure Effects

While most studies have evaluated the acute effects, some studies specifically focused on evaluating the effects of chronic exposure to PM10 and PM2.5. Studies have analyzed the mortality of adults living in different U.S. cities. After adjusting for important risk factors, taken as a whole these studies found a positive association of deaths and exposure to particulate matter. A similar association was observable in both total number of deaths and deaths due to specific causes. The largest effects were observed from cardiovascular causes and ischemic heart disease. A shortening of lifespan was also reported in these studies.

Since the initial promulgation by EPA of the National Ambient Air Quality Standards for PM2.5, controversy has remained over the association of mortality and exposures to PM2.5. Thus an expanded discussion of this issue is presented below.

Significant associations for PM2.5 for both total mortality and cardiorespiratory mortality were reported in a study following a national cohort recruited by the American Cancer Society for its Cancer Preventions Study II over several years. A re-analysis of the data from this study confirmed the initial finding (Krewski, 2000). In this study, mortality rates and PM2.5 levels were analyzed for 51 metropolitan areas of the U.S. Average levels from monitors in each area were used to estimate exposures. At these levels of aggregation, regional differences in the association of PM2.5 and mortality were noted, with higher associations in the Northeast, and lower or non-significant associations in the West.

The Harvard Six Cities Study evaluated several size ranges of particulate matter and reported significant associations with PM15, PM2.5, sulfates, and non-sulfate particles, but not with coarse particles (PM15 – PM2.5). An extension of the Harvard Six Cities Cohort confirmed the association of mortality with PM2.5 levels (Laden, 2006). These studies provide evidence that the fine particles, as measured by PM2.5, may be more strongly associated with mortality effects from long-term particulate matter exposures than are coarse compounds. An update to this study covering a follow-up over the years 1974 to 2009 (Lepeule, 2012) was recently published. Findings indicated a linear relationship of PM2.5 levels and mortality from all causes, cardiovascular causes, and from lung cancer. According to the

authors, the PM2.5 levels decreased over time, but no evidence of a threshold for these effects was found.

A recent study conducted in Canada on long term particulate exposures and mortality found a 15% increase in all-cause mortality and a 31 % increase in ischemic heart disease mortality for a 10 $\mu g.m^3$ increase in PM2.5. The mean concentration among all study subjects was 8.7 $\mu g/m^3$ (Crouse, 2012)

A follow-up study of the American Cancer Society cohort confirmed and extended the findings in the initial study. The researchers estimated that, on average, a 10 µg/m3 increase in fine particulates was associated with approximately a 4% increase in total mortality, a 6% increase in cardiopulmonary mortality, and an 8% increase risk of lung cancer mortality (Pope, 2002). The magnitude of effects is larger in the long-term studies than in the short-term investigations. In an additional re analysis and extension of the American Cancer Society cohort from 1982 to 2000 (Krewski, 2009), and including additional metropolitan areas for the most recent years, effects estimates on mortality were similar, though somewhat higher, than those reported previously. The extended analyses included an additional 11 years of cohort follow-up. The authors reported positive and significant association between a 10 $\mu g/m^3$ change in PM2.5 level and all cause, cardiopulmonary disease, and ischemic heart disease deaths. Mortality from ischemic heart disease was associated with the largest risk estimates.

Other national studies include an analysis of mortality and PM2.5 exposures in a Medicare population. Zeger and Associates (2008) assembled a Medicare cohort by including all Medicare enrollees residing in zip codes with centroids within 6 miles of a PM2.5 monitor. PM2.5 data was obtained from the monitoring stations, and mean annual levels were called for the zip codes within six miles of each monitor. The estimated associations between exposures to PM2.5 and mortality for the eastern and central portions of the U.S were similar to those previously published in the Six Cities Study and the American Cancer Society cohorts. The authors reported that there were no significant associations between zip code levels of PM2.5 and mortality rates in the western region of the U.S. This lack of association was attributed largely to the higher PM2.5 levels in Los Angeles area counties compared to other western urban areas, but there were not higher mortality rates in these counties. The authors further reported that they found no associations of PM2.5 with mortality in persons aged 85 years or higher.

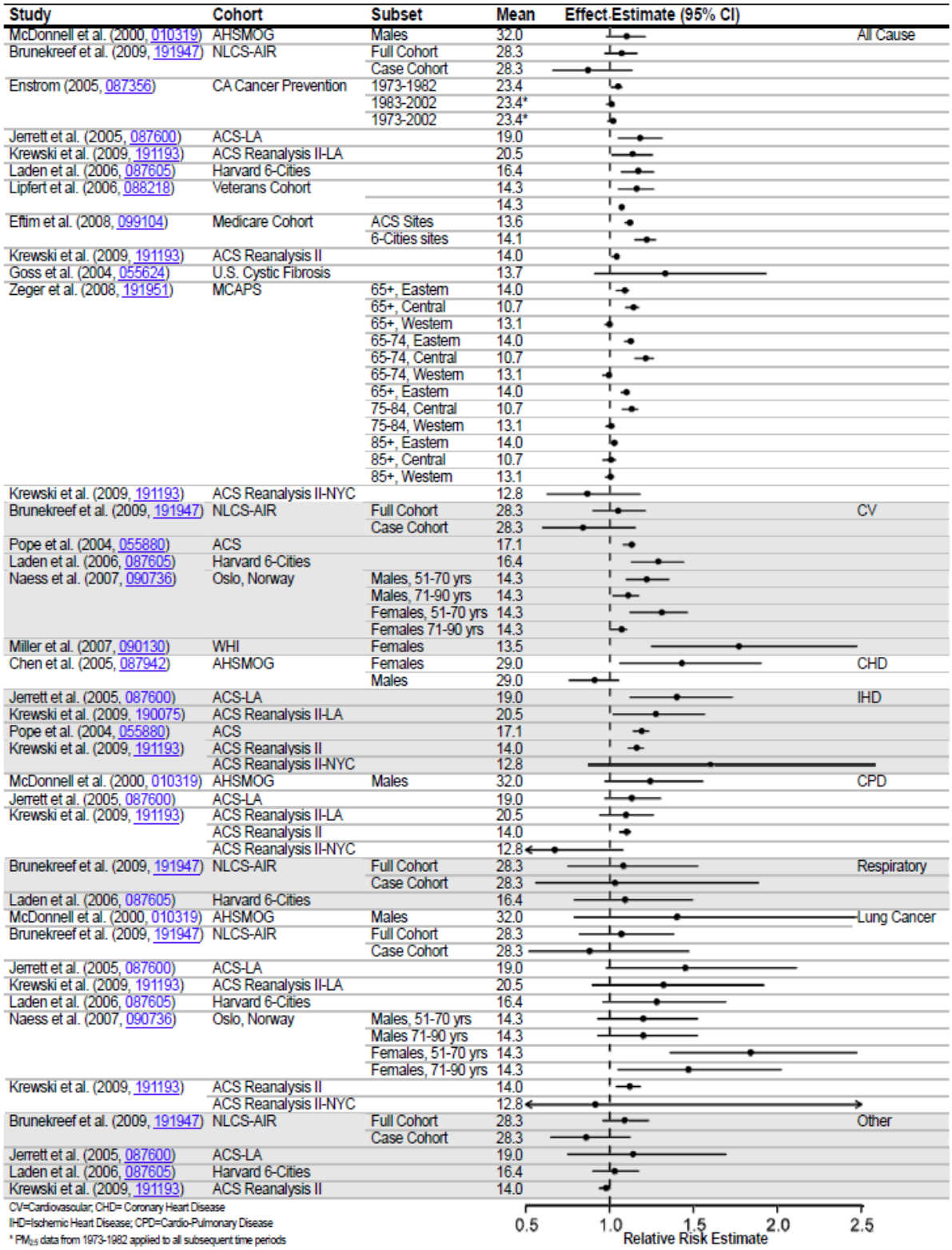

FIGURE I-4

Mortality risk estimates, long-term exposure to PM2.5 in recent cohort studies

From EPA, 2009

Analyses of mortality and PM2.5 levels specific to California have also been reported. A cohort of elderly individuals (average age of 65 yr in 1973) recruited from 11 California counties was followed over several years (Enstrom, 2005). An association for exposure with all cause deaths was reported from 1973–1982. However, no significant association was found in the later time period of 1983–2002. Pollutant levels were taken from ambient monitors and averaged over each county to estimate exposures.

Two recent reports have been released looking at air pollution and health effects in California cohorts. One study (Lipsett, 2011) followed school teachers recruited in 1995, and followed through 2005. Pollutant exposures at the subject residence were estimated using data from ambient monitors, and extrapolated using a distance weighted method. The authors reported significant association of PM2.5 levels and mortality from ischemic heart disease, but no associations were found with all cause, cardiovascular, or respiratory disease.

The second study (Jerrett, 2011) followed individuals in California from the American Cancer Society II cohort recruited starting in 1982, with follow up to 2000. Pollutant levels at subject residences were estimated using several methods and models. All but one of the methods found no association of all-cause mortality with PM2.5 levels. All exposure estimation methods were reported to have found significant associations with ischemic heart disease mortality, however. The authors noted that mortality rates differ in urban areas compared to non-urban areas, and so included a variable for this in a land use regression model to estimate effects on mortality. When the authors applied the land use regression model including an urban indicator to estimate exposures, all-cause mortality, mortality from cardiovascular disease, and mortality from ischemic heart disease were all significantly associated with PM2.5 levels.

Some other studies have focused on particulate matter exposure and health effects in residents of Southern California. Two analyses of the American Cancer Society cohort, for example, focused specifically on the Los Angeles Metropolitan area using methods to estimate exposures on a finer geographical scale than previous studies that used geographic scales at the county or metropolitan area. Using data from monitoring stations in the Los Angeles area, one study applied interpolation methods (Jerrett, 2005) and another applied land use regression techniques (Krewski, 2009) to estimate exposures to the study individuals. Significant associations of PM2.5 with mortality from all causes and cardiopulmonary disease were reported, with the

magnitude of risks being higher than those from the national studies of the American Cancer Society cohort. This provides evidence that using methods to provide more detailed exposure estimates can result in stronger associations of PM2.5 and mortality. It should be noted that various analyses were presented in these, as well as other, studies to estimate the influence on various individual level and ecologic variables that might also be related to health effects risks. Including such variable generally reduces the association of PM2.5 and mortality. It may be illustrative to describe some of the estimates from the various calculations as presented by the authors of the Los Angeles area cohort (Krewski, 2009). In the descriptions below, HR refers to Hazard Ratio expressed for a 10 ug/m3 change in PM2.5 exposure, followed by the 95% Confidence Interval. For example, if the Hazard Ratio is 2, the risk would be twice as high, and conversely if the Hazard Ration is 0.5, the risk would be one half of that of the reference group. Several of the analyses results follow as excerpted from Krewski, 2009. The analyses listed all include PM2.5, plus various additional individual and ecological variables.

TABLE I- 7

Influence of Adding Confounding Variables (From Krewski, 2009)	
Variable Included	**Hazard Ratio**
PM2.5 alone (stratified for age, sex, and race)	1.197 (95% CI, 1.082–1.325);
PM2.5 with 44 individual-level covariates	1.143 (95% CI, 1.033–1.266)
With 44 individual-level covariates and the ecologic covariate of unemployment	1.127 (95% CI, 1.015–1.252)
With 44 individual-level covariates and social factors extracted from the principal component analysis (which account for 81% of the total variance in the social variables)	1.142 (95% CI, 1.026–1.272).
With 44 individual-level covariates and all ecologic covariates that were individually associated with mortality in bivariate models with PM2.5 exposure	1.115 (95% CI, 1.003–1.239)
Parsimonious model that included 44 individual-level covariates and ecologic confounder variables that both reduced the pollution coefficient and had associations with mortality	1.126 (95% CI, 1.014–1.251)

Another study looked at measuring of atherosclerosis in Southern California residents Kunzli, 2005). An assessment of the carotid intima-media thickness (CIMT) was used as a measure of subclinical atherosclerosis. The subjects' residential areas were geocoded and a geospatial extrapolation of ambient monitoring data was used to assign annual mean concentrations of ambient PM2.5. The authors report results of an association between atherosclerosis and ambient air pollution as measured by PM2.5. The associations of PM2.5 and CIMT were strongest in women ≥ 60 years of age.

The U.S. EPA has recently proposed to lower the annual National Ambient Air Quality Standard for PM2.5 (U.S. EPA, 2012a). EPA also released a Regulatory Impact Analysis (U.S. EPA 2012b) which looked at the costs and benefits of alternate PM2.5 stand levels. As part of the analysis, EPA also looked at California specific studies regarding PM2.5 and mortality published in the scientific literature. The EPA analysis concluded "most of the cohort studies conducted in California report central effect estimates similar to the (nation-wide) all-cause mortality risk estimate we applied from Krewski et al. (2009) and Laden et al. (2006) albeit with wider confidence intervals. A couple cohort studies conducted in California indicate higher risks than the risk estimates we applied." Thus in EPAs judgment the California related studies provided estimates of mortality consistent with or higher than those from the national studies.

Other studies report evidence indicating that particulate matter exposure early in pregnancy may be associated with lowered birth weights (Bobak, 1999). Studies from the U.S., the Czech Republic and Mexico City have reported that neonatal and early postnatal exposure to particulate matter may lead to increased infant mortality. A more recent study in Southern California found increased risks for infant deaths associated with exposures to particulates and other pollutants (Ritz, 2006). These results suggest that fetuses and infants may be subgroups affected by particulate matter exposures.

In addition, some long-term effect studies have reported an increased risk of mortality from lung cancer associated with particulate matter exposures. A study involving California Seventh Day Adventists (very few of whom smoke) has reported an association of lung cancer mortality with PM10 levels. It is not clear from these studies whether the association relates to causation of disease, or whether individuals with cancer are more susceptible to other effects of particles leading to the observed mortality association. A study that followed a large number of

individuals living in the largest U.S. cities found elevated lung cancer risk associated with long-term average PM2.5 levels (Pope, 2002).

Several studies have assessed the effects of long-term particulate matter exposure on respiratory symptoms and lung function changes. Associations have been found with symptoms of chronic bronchitis and decreased lung function. A study of school children in 12 communities in Southern California showed significant association of particulate matter with bronchitis or phlegm in children with asthma. These effects were also associated with NO_2 and acid vapor levels (McConnell, 1999).

A cohort of fourth graders from the Southern California communities was followed over a period of four years by the Children's Health Study. A lower rate of growth in lung function was found in children living in areas with higher levels of particulate pollution (Gauderman, 2000). Decreases in lung function growth were associated with PM10, PM2.5, PM10-2.5, acid vapor, and NO_2. There was no association with ozone levels. The investigators were not able to identify independent effects of the pollutants, but noted that motor vehicle emissions are a major source of the pollutants.

A follow-up study on a second cohort of children confirmed the findings that decreased lung function growth was associated with particulates, nitric oxides, and elemental carbon levels (Gauderman, 2002). Elemental carbon is often used as a measure for diesel particulate. Additionally, children who moved to areas with less air pollution were found to regain some of the lung function growth rate (Avol, 2001). By the time the fourth graders graduated from high school, a significant number showed lower lung function. The risk of lower lung function was about five times higher in children with the highest PM2.5 exposure when compared to the lowest exposure communities (Gauderman, 2004). These deficits are likely to persist since the children were at the end of their growth period.

Despite data gaps, the extensive body of epidemiological studies has both qualitative and quantitative consistency suggestive of causality. A considerable body of evidence from these studies suggests that ambient particulate matter, alone or in combination with other coexisting pollutants, is associated with significant increases in mortality and morbidity in a community.

In summary, the scientific literature indicates that an increased risk of mortality and morbidity is associated with particulate matter at ambient levels. The evidence for particulate matter effects is mostly derived from population studies with supportive

evidence from clinical and animal studies. Although most of the effects are attributable to particulate matter, co-pollutant effects cannot be ruled out on the basis of existing studies. The difficulty of separating the effects may be due to the fact that particulate levels co-vary with other combustion source pollutants. That is, the particle measurements serve as an index of overall exposure to combustion-related pollution, and some component(s) of combustion pollution other than particles might be at least partly responsible for the observed health effects.

EPA staff has presented conclusions on the particulate matter causal determination of several health effects based on a recent review of the available scientific studies (EPA, 2009). These are depicted in the Tables below.

TABLE I-8

Summary of Causal Determination of PM10-2.5 by Exposure Duration and Health Outcome

SHORT-TERM EXPOSURES	
Health Outcome	**Causality Determination**
Cardiovascular effects	Suggestive
Respiratory effects	Suggestive
Mortality	Suggestive
LONG-TERM EXPOSURES	
Health Outcome	**Causality Determination**
Cardiovascular effects	Inadequate
Respiratory effects	Inadequate
Mortality	Inadequate
Reproductive and developmental	Inadequate

From EPA, 2009

TABLE I- 9

Summary of Causal Determination of PM2.5 by Exposure Duration and Health Outcome

SHORT-TERM EXPOSURES	
Health Outcome	**Causality Determination**
Cardiovascular effects	Causal
Respiratory effects	Likely to be causal
Central nervous system	Inadequate information to assess
Mortality	Causal
LONG-TERM EXPOSURES	
Health Outcome	**Causality Determination**
Cardiovascular effects	Causal
Respiratory effects	Likely to be causal
Mortality	Causal
Reproductive and developmental	Suggestive of a causal relationship
Cancer, Mutagenicity, Genotoxicity	Suggestive of a causal relationship

From EPA, 2009

In terms of estimating health burdens of air pollution exposure, CARB has conducted analyses in the past estimating exposures and quantitative health effects from exposures to particulate matter, as well as other pollutants. The most recent assessment focused on premature mortality and PM2.5 (CARB 2010). The analysis used the EPA's risk assessment methodology for calculating premature mortality, and used ambient air quality measurements averaged over a three year period of 2006-2008. The analysis indicated that PM2.5 related premature deaths in California as 9,200 with an uncertainty range of 7,300 – 11,000. Estimates were also made at for the California Air Basins. For the South Coast Air Basin, the estimate was 4,900 with an uncertainty range of 3,900 – 6,000. These estimates were calculated using the associations of cardiopulmonary mortality and PM2.5 from the second exposure period from Krewski (2009). The associations from the first exposure period from Krewski, 2009 as well as other cause of death estimates were also presented.

Another analysis of health impacts in the South Coast was conducted as part of the Draft Socioeconomic Report for the 2012 AQMP. The analysis estimates the

anticipated costs and benefits of adopting the measures in the Draft 2012 AQMP. Adopting these measures is projected to result in attainment of the national PM2.5 standards by 2014. The total average annual quantifiable benefits associated with implementing the Draft 2012 AQMP were calculated and represent the currently quantifiable benefit of moving beyond today's regulations to the level needed to meet the federal PM2.5 standards. The table below shows the number of avoided cases (or person-days) by health effect when the Basin attains the PM2.5 standard in 2014 and also in 2023 that result (SCAQMD 2012). The estimates pertain to the projected PM2.5 reductions only.

TABLE I-10

Changes in Number of Health Effects for Future Years*
for Measures contained in the Draft 2012 AQMP

Health Outcome	Number of Avoided Cases	
	2014	**2023**
Mortality	668	275
Acute Bronchitis	597	186
Non-Fatal Heart Attacks	29 - 261	12 – 105
Lower & Upper Respiratory Symptoms	18,384	5,750
Emergency Room Visits	153	53
Hospital Admissions	151	62
Minor Restricted Activity Days	287,447	95,093
Work Loss Days	48,805	16,055
Asthma Attacks	26,910	3,628

*Changes reflect differences in base and control cases for a given year. Positive numbers are reductions in symptoms due to the Draft 2012 AQMP.

**Person-days.

ULTRAFINE PARTICLES

As noted above, numerous studies have found association of particulate matter levels with adverse effects, including mortality, hospital admissions, and respiratory disease symptoms. The vast majority of these studies used particle mass of PM10 or PM2.5

as the measure of exposure. Some researchers have postulated, however, that ultrafine particles may be responsible for some of the observed associations of particulate matter and health outcomes (Oberdorster, et al, 1995; Seaton, et al, 1995). Ultrafine particles that have aerodynamic diameter of less than 0.1 µm..

Several potential mechanisms have been brought forward to suggest that the ultrafine portion may be important in determining the toxicity of ambient particulates, some of which are discussed below.

For a given mass concentration, ultrafine particles have much higher numbers and surface area compared to larger particles. Particles can act as carriers for other adsorbed agents, such as trace metals and organic compounds; and the larger surface area may transport more of such toxic agents than larger particles.

Smaller particles can also be inhaled deep into the lungs. As much as 50% of 0.02 µm diameter particles are estimated to be deposited in the alveolar region of the lung. There is complex nature of the relation between deposition and particle size. The ultrafine particles generally have higher fractional deposition in the alveolar region. However, for the smaller nucleation mode (particles less than 0.01 µm size) the deposition in the alveolar region declines, but increases in the extrathoracic region.

Exposures of laboratory animals to ultrafine particles have found cardiovascular and respiratory effects. Using an animal model of atherosclerotic disease, mice exposed to concentrated ultrafine particles near a roadway in Southern California showed larger early atherosclerotic lesions than mice exposed to concentrated PM2.5 or to filtered air (Araujo, 2008). In a mouse allergy model, exposures to concentrated ultrafine particles resulted in a greater response to antigen challenge to ovalbumin (Li, 2010), indicating that vehicular traffic exposure could exacerbate allergic inflammation in already-sensitized animals.

Controlled exposures of human volunteers to ultrafine particles either laboratory generated or as products of combustion, such as diesel exhaust containing particles, have found physiological changes related to vascular effects. Mills, 2011, for example found exposure to diesel exhaust particulate attenuated both acetylcholine and sodium-nitroprusside -induced vasorelaxation.

There are no long-term studies of human population exposure to ultrafine particle, as there is a lack of a monitoring network in the U.S. There have been several cross sectional epidemiological studies of ultrafine particles, mainly from Europe. Some of these studies found effects on hospital admissions, emergency department visits, for respiratory and cardiovascular effects. Other studies, however, have not found

such effects (EPA, 2009). Concentrations of ultrafine particles can vary geographically, and it is not clear how well central site monitors may capture actual exposures.

EPA staff has presented conclusions on causal determination of several health effects of ultrafine PM based on a recent review of the available scientific studies (EPA, 2009). These are depicted in the table below.

Additional discussion on the sources and health effects of ultrafine particles can be found in Chapter 9 of the 2012 AQMP.

TABLE I-11

Summary of Causal Determination of Ultrafine PM by Exposure Duration and Health Outcome

SHORT-TERM EXPOSURES	
Health Outcome	**Causality Determination**
Cardiovascular effects	Suggestive
Respiratory effects	Suggestive
Central nervous system	Inadequate information to assess
Mortality	Inadequate
LONG-TERM EXPOSURES	
Health Outcome	**Causality Determination**
Cardiovascular effects	Inadequate
Respiratory effects	Inadequate
Mortality	Inadequate
Reproductive and developmental	Inadequate
Cancer, Mutagenicity, Genotoxicity	Inadequate

From EPA, 2009

CARBON MONOXIDE

The high affinity of carbon monoxide (CO) to bond with oxygen-carrying proteins (hemoglobin and myoglobin) results in reduced oxygen supply in the bloodstream of exposed individuals. The reduced oxygen supply is responsible for the toxic effects

of CO which are typically manifested in the oxygen-sensitive organ systems. The effects have been studied in controlled laboratory environments involving exposure of humans and animals to CO, as well as in population-based studies of ambient CO exposure effects. People with deficient blood supply to the heart (ischemic heart disease) are known to be susceptible to the effects of CO. Protection of this group is the basis of the existing National Ambient Air Quality Standards for CO at 35 ppm for one hour and 9 ppm averaged over eight hours. The health effects of ambient CO have been recently reviewed (U.S. EPA, 2000, 2010).

Inhaled CO has no known direct toxic effect on lungs but rather exerts its effects by interfering with oxygen transport through the formation of carboxyhemoglobin (COHb, a chemical complex of CO and hemoglobin). Exposure to CO is often evaluated in terms of COHb levels in blood measured as percentage of total hemoglobin bound to CO. COHb levels in non-smokers range between 0.3 and 0.7% and 5 to 10% in smokers. COHb levels in excess of 1.5% in a significant proportion of urban non-smoking populations can be considered as evidence of widespread exposure to environmental CO.

Under controlled laboratory conditions, healthy subjects exposed to CO sufficient to result in 5% COHb levels exhibited reduced duration of maximal exercise performance and consumption of oxygen. Studies involving subjects with coronary artery disease who engaged in exercise during CO exposures have shown that COHb levels as low as 2.4% can lead to earlier onset of electrocardiograph changes indicative of deficiency of oxygen supply to the heart. Other effects include an earlier onset of chest pain, an increase in the duration of chest pain, and a decrease in oxygen consumption.

Findings of epidemiologic studies have observed associations between ambient CO concentration and emergency department visits and hospital emissions for ischemic heart disease and other cardiovascular diseases.

Animal studies associated with long-term exposure to CO resulting in COHb levels that are equivalent to those observed in smokers have shown indication of reduction in birth weight and impaired neurobehavior in the offspring of exposed animals.

Epidemiological studies conducted in Southern California have indicated an association with CO exposure during pregnancy to increases in pre-term births (Ritz, 2000). However, the results were not consistent in different areas studied. The increase in the pre-term births was also associated with PM10 levels. Another study found increased risks for cardiac related birth defects with carbon monoxide exposure in the second month of pregnancy (Ritz, 2002). Toxicological studies in

laboratory animals with higher than ambient levels of CO have also reported decrements in birth weight and prenatal growth.

EPA staff has presented conclusions on causal determination of the health effects of carbon monoxide based on a recent review of the available scientific studies (EPA, 2010). These are depicted in the table below.

TABLE I-12

Causal Determination for Health Effects of Carbon Monoxide

SHORT-TERM EXPOSURES	
Health Outcome	**Causality Determination**
Cardiovascular morbidity	Likely to be a causal relationship
Central nervous system	Suggestive
Respiratory morbidity	Suggestive
Mortality	Suggestive
LONG-TERM EXPOSURES	
Health Outcome	**Causality Determination**
Cardiovascular morbidity	Inadequate
Central nervous system	Suggestive
Birth outcomes and developmental effects	Suggestive
Respiratory morbidity	Inadequate
Mortality	Not likely to be a causal relationship

From EPA, 2010

NITROGEN DIOXIDE

The U.S. EPA has recently reviewed the health effects of nitrogen dioxide (U.S. EPA, 2008a). Evidence for low-level nitrogen dioxide (NO_2) exposure effects is derived from laboratory studies of asthmatics and from epidemiological studies. Additional supportive evidence is derived from animal studies.

Some epidemiological studies using the presence of an unvented gas stove as a surrogate for indoor NO_2 exposures suggest an increased incidence of respiratory infections or symptoms in children. However the evidence is mixed.

Recent studies related to outdoor exposure have found health effects associated with ambient NO_2 levels, including respiratory symptoms, respiratory illness, decreased lung function, increased emergency room visits for asthma, and cardiopulmonary mortality. However, since NO_2 exposure generally occurs in the presence of other pollutants, such as particulate matter, these studies are often unable to determine the specific role of NO_2 in causing effects.

The Children's Health Study in Southern California found associations of air pollution, including NO_2, PM10, and PM2.5, with respiratory symptoms in asthmatics (McConnell, 1999). Particles and NO_2 were correlated, and effects of individual pollutants could not be discerned. A subsequent analysis indicated a stronger role for NO2 (McConnell, 2002).

Ambient levels of NO_2 were also associated with a decrease in lung function growth in a group of children followed for eight years. In addition to NO_2, the decreased growth was also associated with particulate matter and airborne acids. The study authors postulated this may be a result of a package of pollutants from traffic sources (Gauderman, 2004).

Results from controlled exposure studies of asthmatics demonstrate an increase in the tendency of airways to contract in response to a chemical stimulus (bronchial reactivity) or after inhaled allergens. Effects were observed with exposures from 0.1 to 0.3 ppm NO_2 for periods ranging from 30 minutes to 3 hours. A similar response is reported in some studies with healthy subjects at higher levels of exposure (1.5 - 2.0 ppm). Mixed results have been reported when people with chronic obstructive lung disease are exposed to low levels of NO_2.

Short-term controlled studies of animals exposed to NO_2 over a period of several hours indicate cellular changes associated with allergic and inflammatory response and interference with detoxification processes in the liver. In some animal studies

the severity of the lung structural damage observed after relatively high levels of short-term ozone exposure is observed to increase when animals are exposed to a combination of ozone and NO_2.

In animals, longer-term (3-6 months) repeated exposures at 0.25 ppm appear to decrease one of the essential cell-types (T-cells) of the immune system. Non-specific changes in cells involved in maintaining immune functions (cytotoxic T-cells and natural killer cells) have been observed in humans after repeated exposure (4-6 days) to >0.6 ppm of NO_2 (20 min. - 2 hours). All these changes collectively support the observation reported both in population and animal studies of increased susceptibility to infections, as a result of NO_2 exposure.

The U.S. EPA recently adopted a new short-term standard of 100 ppb (0.1 ppm) averaged over 1 hour. The standard was designed to protect against increases in airway reactivity in individuals with asthma observed in controlled exposure studies, as well as respiratory symptoms observed in epidemiological studies. The new standard also requires additional monitoring for NO_2 near roadways.

SULFUR DIOXIDE

Controlled laboratory studies involving human volunteers have clearly identified asthmatics as a very sensitive group to the effects of ambient sulfur dioxide ($SO_{2)}$ exposures. Healthy subjects have failed to demonstrate any short-term respiratory functional changes at exposure levels up to 1.0 ppm over 1-3 hours.

In exercising asthmatics, brief exposure (5-10 minutes) to SO_2 at levels between 0.2-0.6 ppm can result in significant alteration of lung function, such as increases in airway resistance and decreases in breathing capacity. In some, the exposure can result in severe symptoms necessitating the use of medication for relief. The response to SO_2 inhalation is observable within 2 minutes of exposure, increases further with continuing exposure up to 5 minutes then remains relatively steady as exposure continues. SO_2 exposure is generally not associated with any delayed reactions or repetitive asthmatic attacks.

In epidemiologic studies, associations of SO_2 levels with increases in respiratory symptoms, increases in emergency department visits and hospital admissions for respiratory-related causes have been reported. Coupled with the human clinical studies, these data suggest that SO_2 can trigger asthmatic episodes in individuals with pre-existing asthma.

The U.S. EPA has recently revised the SO_2 air quality standard. The previous 24-hour standard was rescinded and replaced with a new 1-hour standard at 75 ppb (0.075 ppm) to protect against acute asthma attacks in sensitive individuals.

Animal studies have shown that despite SO_2 being a respiratory irritant, it does not cause substantial acute or chronic toxicity in animals exposed at ambient concentrations. However, relatively high exposures (10 ppm of SO_2 for 72 hours) in mice can lead to tissue damage, fluid accumulation and sloughing of respiratory lining. Sensitization to allergies is observable in guinea pigs repeatedly exposed to high levels (72 ppm) of SO_2. This effect needs further evaluation in clinical and population studies to identify any chronic exposure impact on both asthmatic incidence and attacks in a population.

Some epidemiological studies indicate that the mortality and morbidity effects associated with the fine fraction of particles show a similar association with ambient SO_2 levels. In these studies, efforts to separate the effects of SO_2 from fine particles have not been successful. Thus, it is not clear whether the two pollutants act synergistically, or whether being generated from similar combustion sources, they represent the same pollution index for the observed effects.

SULFATES

Based on a level determined necessary to protect the most sensitive individuals, the California Air Resources Board (CARB) in 1976 adopted a standard of 25 $\mu g/m^3$ (24-hour average) for sulfates. There is no federal air quality standard for sulfates.

In recent years, a vast majority of effects (mortality and morbidity) associated with fine particles (PM2.5) and sulfur dioxide have shown a similar association with ambient sulfate levels in some population studies. The efforts to fully separate the effects of sulfates from other coexisting pollutants have not been successful. This may be due to the fact that these pollutants covary under ambient conditions, having been emitted from common sources; and the effects observed may be due to the combination of pollutants, rather than a single pollutant.

A clinical study involving exposure of human subjects to sulfuric acid aerosol indicated that adolescent asthmatics may be a susceptible population subgroup with some changes in lung function observed with exposures below 100 $\mu g/m^3$. In

general, however, laboratory exposures of human volunteers to sulfates at or near ambient levels have not found significant changes in lung function.

Results from animal studies involving exposures to sulfuric acid aerosol, ammonium bisulfate and ammonium sulfate indicate that acidic particles (former two) are more toxic than non-acidic particles (latter). In addition, the severity or magnitude of both mortality and morbidity effects is relatively higher in population studies of the eastern United States and Canada where sulfate concentrations are higher than for those observed in the western United States. Mixed results have been reported from studies which attempted to ascertain the role of acidity in determining the observed toxicity.

LEAD

The U.S. EPA has recently reviewed the health effects of ambient lead exposures in conjunction with a review of the NAAQS for lead. (U.S. EPA 2006b; U.S. EPA 2007b). The following summary is taken from these reviews.

There are a number of potential public health effects at low level exposures. The health implications are generally indexed by blood lead levels, which are related to lead exposures both from inhalation as well as from ingestion. As identified by EPA, effects include impacts on population IQ, as well as heart disease and kidney disease. The array of health effects includes the following.

- Heme biosynthesis and related functions;
- Neurological development and function;
- Reproduction and physical development;
- Kidney function;
- Cardiovascular function
- Immune function

Children appear to be sensitive to the neurological toxicity of lead, with effects observed at blood lead concentration ranges of 5 – 10 µg/dL, or possibly lower. No clear threshold has yet been established for such effects.

According to the EPA review, the most important effects observed are neurotoxic effects in children and cardiovascular effects in adults. The effects in children include impacts on intellectual attainment and school performance.

EPA has recently revised the NAAQS for lead to a level of 0.15 µg/m^3 averaged over a rolling 3 month period to protect against lead toxicity. The following two charts, taken from the U.S. EPA review, depict the health effects of lead in relation to blood levels. In the figure, the question marks indicate that there are no demonstrated threshold blood lead levels for health effects. The Centers for Disease Control (CDC) has recently revised their lead hazard information and replaced their level of concern for adverse effects of 10 µg/dL blood lead level with a childhood blood lead level reference value of 5 µg/dL to identify children and environments associated with lead-exposure hazards (CDC, 2012).

Lowest Observed Effect Blood Lead Level	Neurological Effects	Hematological Effects	Immune Effects
30 µg/dL		Increased urinary δ-aminolevulinic acid	
15 µg/dL	Behavioral disturbances (e.g., inattention, delinquency) Altered electrophysiological responses	Erythrocyte protoporphyrin (EP) elevation	
10 µg/dL	Effects on neuromotor function CNS cognitive effects (e.g., IQ deficits)	Inhibition of δ-aminolevulinic acid dehydratase (ALAD) | Pyrimidine-5′-nuclotidase (Py5N) activity inhibition	Effects on humoral (↑ serum IgE) and cell-mediated (↓ T-cell abundance) immunity
5 µg/dL	↓	↓	
	(???)	(???)	
0 µg/dL			

FIGURE I-5

Summary of Lowest Observed Effect Levels for Key Lead- Induced Health Effects in Children (From U.S. EPA 2007b)

Lowest Observed Effect Blood Lead Level	Neurological Effects	Hematological Effects	Cardiovascular Effects	Renal Effects
30 µg/dL	Peripheral sensory nerve impairment	Erythrocyte protoporphyrin (EP) elevation in males		Impaired Renal Tubular Function
20 µg/dL	Cognitive impairment			
15 µg/dL	Postural sway	Erythrocyte protoporphyrin (EP) elevation in females		
		Increased urinary δ-aminolevulinic acid		
10 µg/dL		Inhibition of δ-aminolevulinic acid dehydratase (ALAD)	Elevated blood pressure	
5 µg/dL			↓ (???)	Elevated serum creatine (↓ creatine clearance)
0 µg/dL				

FIGURE I-6

Summary of Lowest Observed Effect Levels for Key Lead- Induced Health Effects in Adults
(From U.S. EPA 2007b)

TOXIC AIR CONTAMINANTS

Toxic air contaminants are pollutants for which there generally are no ambient air quality standards. The Toxic Air Contaminant Identification and Control Act (AB1807, Tanner 1983) created California's program to reduce exposures to air toxics. The air Toxics "Hot Spots" Information and Assessment Act (AB2588, Connelly 1987) supplements the program by requiring satewide air toxics inventories, notification of people exposure to significant health risks, and facility plans to reduce these risks. Under California's Air Toxics Program, CARB staff and Office of Environmental Health Hazard Assessment (OEHHA) assess the health effects of substances that may pose a risk of adverse health effects. These effects are usually an increased risk for cancer, adverse birth outcomes and respiratory effects. After review by the state Scientific Review Panel, CARB holds a public hearing on whether to formally list substances that may pose a significant risk to public health as a Toxic Air Contaminant.

OEHHA also establishes potency factors for air toxics that are carcinogenic. The potency factors can be used to estimate the additional cancer risk from ambient levels of toxics. This estimate represents the chance of contracting cancer in an individual

over a lifetime exposure to a given level of an air toxic and is usually expressed in terms of additional cancer cases per million people exposed.

For non-cancer health effects, OEHHA has developed acute and chronic Reference Exposure Levels (RELs). RELs are concentrations in the air below which adverse health effects are not likely to occur. Acute RELs refer to short-term exposures, generally of one-hour duration. Chronic RELs refer to long-term exposures of several years. OEHHA has also established 8-hour RELs for several substances. The ratio of ambient concentration to the appropriate REL can be used to calculate a Hazard Index. A Hazard Index of less than one would not be expected to result in adverse effects. The measured levels from the most recent study were below the applicable Reference Exposure Levels.

The District conducted studies on the ambient concentrations and estimated the potential health risks from air toxics (SCAQMD, 2008). In the latest study, a two year monitoring program was undertaken at 10 sites throughout the SCAB over the time period 2004-2006. Over 30 substances were measured, and annual average levels were calculated. The results showed that the overall risk for excess cancer from a 70-year lifetime exposure to the levels of air toxics calculated as the average level at the 10 sites was about 1,200 in a million. The largest contributor to this risk was diesel particulate matter, accounting for about 84% of the air toxics risk. A breakdown of the major contributors to the air toxics risk is shown in the figure below. The average levels measured were also compared to the non-cancer Reference Exposure Levels. The measurements were below the established RELs.

The California Air Resources Board listed Diesel Particulate Matter as a Toxic Air Contaminant in 1989. The International Agency for Research on Cancer, an arm of the World Health Organization, classified diesel exhaust as probably carcinogenic to humans in 1989. Recently IARC convened an international panel of scientists to review the published literature since the initial classification regarding the carcinogenicity of diesel combustion emissions. The panel concluded that Diesel Exhaust is a substance that causes lung cancer in humans (Benbrahim-Tallaa, 2012).

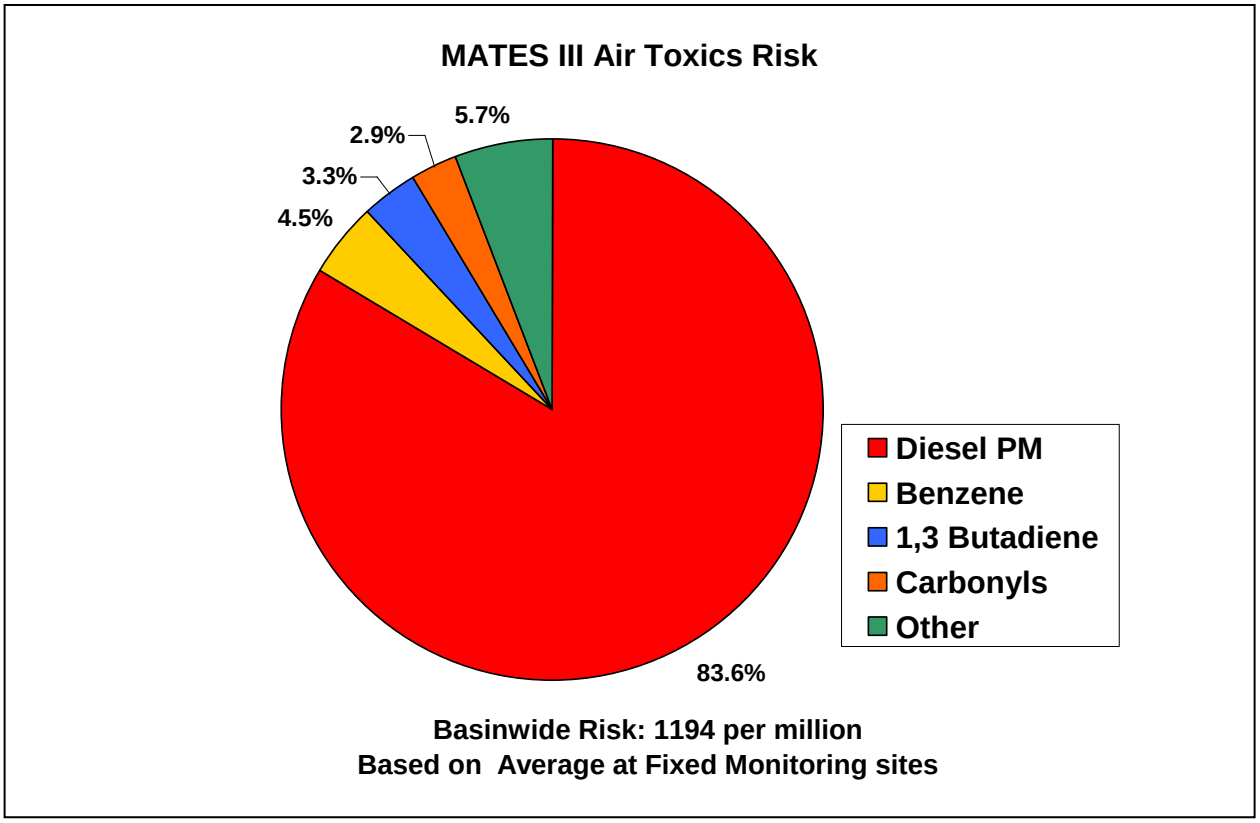

FIGURE I-7

Major Pollutants Contributing to Air Toxics Cancer Risk in the South Coast Air Basin

The key air toxics contributing to risk from mobile and stationary sources are listed in the table below.

TABLE I-13

Key Toxic Air Contaminants in the SCAB

MOBILE SOURCES	STATIONARY SOURCES
Acetaldehyde	Hexavalent Chromium
Benzene	Methylene Chloride
1,3 Butadiene	Nickel
Diesel Particulate Matter	Perchloroethylene
Formaldehyde	Trichloroethylene

CONCLUSION

A large body of scientific evidence shows that the adverse impacts of air pollution in human and animal health are clear. A considerable number of population-based and laboratory studies have established a link between air pollution and increased morbidity and, in some instances, earlier mortality.

As the scientific methods for the study of air pollution health effects has progressed over the past decades, adverse effects have been shown to occur at lower levels of exposure. For some pollutants, no clear thresholds for effects have been demonstrated. The new findings have, in turn, led to the revision and lowering of National Ambient Air Quality Standards which, in the judgment of the Administrator of the U.S. EPA, are necessary to protect public health. The figures below are meant to convey some of the historical context to recent revisions to the NAAQS for ozone and for particulate matter.

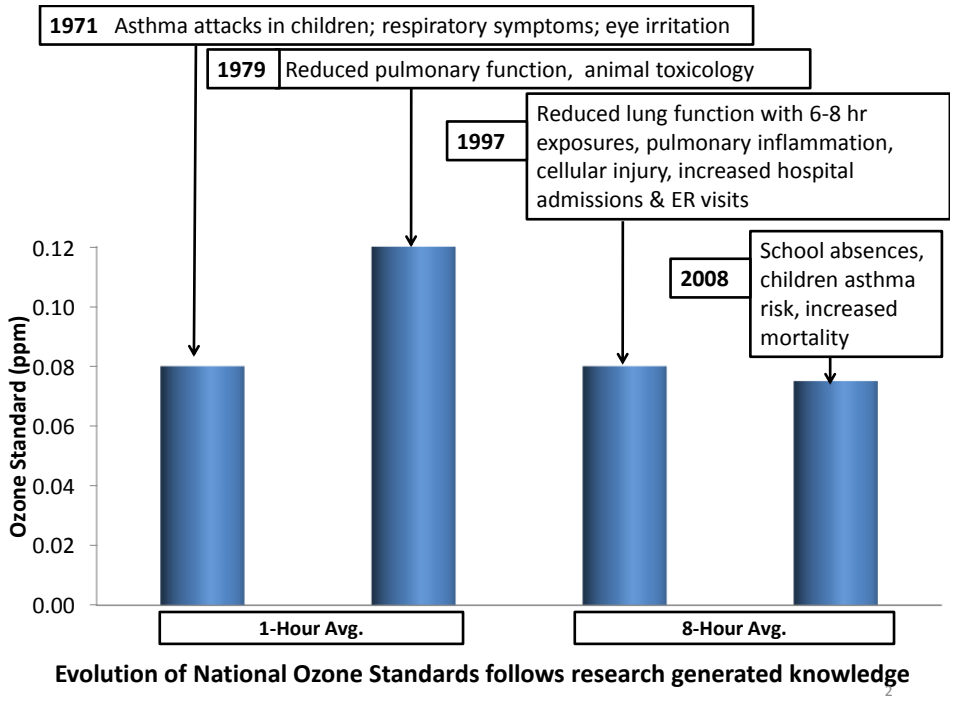

FIGURE I-8

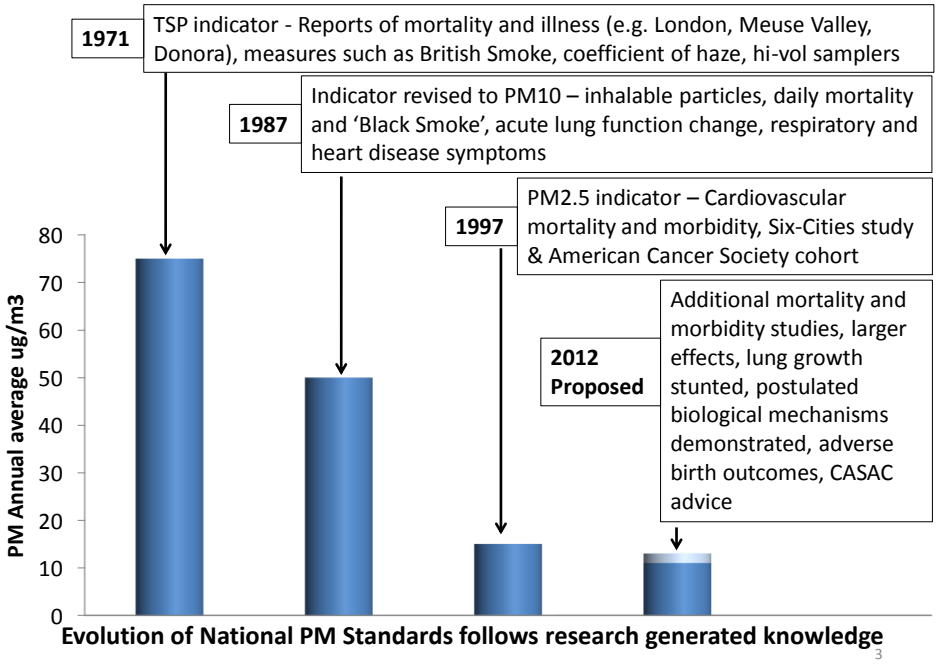
1971
TSP indicator - Reports of mortality and illness (e.g. London, Meuse Valley, Donora), measures such as British Smoke, coefficient of haze, hi-vol samplers
1987
Indicator revised to PM10 – inhalable particles, daily mortality and 'Black Smoke', acute lung function change, respiratory and heart disease symptoms
1997
PM2.5 indicator – Cardiovascular mortality and morbidity, Six-Cities study & American Cancer Society cohort
2012 Proposed
Additional mortality and morbidity studies, larger effects, lung growth stunted, postulated biological mechanisms demonstrated, adverse birth outcomes, CASAC advice
PM Annual average ug/m3
0
10
20
30
40
50
60
70
80
Evolution of National PM Standards follows research generated knowledge
3

FIGURE I- 9

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Appendix D: Project Consistency with Moreno Valley Energy Efficiency and Climate Action Strategy

The following energy efficiency measures are from the City of Moreno Valley Climate Action Strategy and are suggested as policies for the City of Moreno Valley as a community. Project consistency with the strategies is shown in Table D-1. The mitigation measures referred to in the table are in the Air Quality, Greenhouse Gas, and Health Risk Assessment Report.

Table D-1: Project Consistency with City of Moreno Valley Climate Action Strategy

No.	Moreno Valley Climate Action Strategy	Project Consistency
C1.	Install light colored "cool" roofs and cool pavements. (Cool roofs are now a requirement per State Title 24/CalGreen Building Standards).	Consistent with Title 24/CalGreen.
C2.	Require Energy Star equipment and appliances in new construction & renovations.	Not applicable.
C3.	Specify no- or low-VOC (Volatile Organic Compound) materials.	Consistent with Mitigation Measure AQ-3.
C4.	Install photovoltaic or other solar technology for city owned facilities wherever feasible.	Not applicable.
C5.	Partner with the largest consumers of energy to encourage and promote their energy efficiency activities.	Not applicable.
C6.	Promote and implement programs to encourage load shifting to off- peak house and explore demand response solutions.	Not applicable.
C7.	Provide education on energy efficiency to residents, customers and/or tenants.	Not applicable.
C8.	Create new Partnership brand to integrate City and Utility marketing campaigns to customers. Develop Marketing Team to coordinate City and Utility marketing. Advertise routinely on local media: radio, TV, newspaper, City newsletter, and website.	Not applicable.
C9.	Increase marketing efforts in the City by organizing the following community activities: • City sponsored ideas expo and participating at other regional energy events; • City presenting program to local businesses at Chamber of Commerce meetings; • City working with community organizations, local service clubs, HOA's and chambers of commerce to educate and sign-up participants; • Contractors conducting face-to-face marketing to both residential and business customers; • City Council recognizing "energy champions" at televised meetings	Not applicable.

Table D-1 (cont.): Project Consistency with City of Moreno Valley Climate Action Strategy

No.	Moreno Valley Climate Action Strategy	Project Consistency
C10.	Implement low impact development practices that maintain existing hydrology of the site to manage storm water and protect the environment. (Use of low impact development practices is required by the new regional water quality permit)	Please refer to the EIR section on water quality.
C11.	Require that developer recycle existing street material for use as base for new streets.	Consistent with implementation of Mitigation Measure AQ-8.
C12.	Work with Waste Management to utilize billing statements or MVTV-3 to encourage businesses and residents to enroll in a recycling program.	Not applicable. However, Mitigation Measure AQ-8 encourages recycling.
C13.	Explore grants to pay for recycling collection devices and their maintenance to be placed with public trash bins	Not applicable.
C14.	Increase recycling at public events.	Not applicable.
C15.	Install water-efficient irrigation systems and devices and use water-efficient irrigation methods.	Consistent. The project has water conservation features as a project design feature and it will comply with existing water conservation requirements.
C16.	Promote use of City's multi-use trail system.	Consistent. As a project design feature, the project would connect the City's multi-use trail system.
C17.	Establish Energy Efficiency and Conservation baselines.	Not applicable; however, the project would comply with Title 24 requirements.
C18.	Maintain City's Community Partnership program with Southern California Edison, The Gas Company, and Moreno Valley Electric Utility through the Energy Coalition. This partnership allows for funding the City can use for energy conservation marketing, education, and outreach efforts.	Not applicable.
C19.	City act as a model of energy conservation stewardship. Build upon historical and current energy conservation efforts as the foundation for continued efforts and education of the community on the value of efficiency and conservation in cost savings and environmental benefits.	Not applicable.
C20.	Require new large developments (projects of regional significance) participate in the Savings by Design program, funded by Utility customers and administered by private utilities under the auspices of the State Public Utilities Commission. Program identifies ways to improve energy efficiency of proposed construction.	The project would be incorporating several of these concepts through its project design.

Table D-1 (cont.): Project Consistency with City of Moreno Valley Climate Action Strategy

No.	Moreno Valley Climate Action Strategy	Project Consistency
C21.	Encourage community use of Southern California Edison, Moreno Valley Utility, Eastern Municipal Water District, and The Gas Company financial incentives / rebate opportunities.	Not applicable. If the applicant or tenants wish to obtain financial incentives or rebate opportunities, they can do so.
C22.	Adopt a dark sky ordinance and reduce unnecessary lighting.	Not applicable.
C23.	Encourage passive solar design	Not applicable; the project consists of large warehouse buildings.
C24.	Provide customer financing to assist customers with purchasing energy efficiency equipment. WRCOG will take lead in developing a financing plan through property taxes based on the guidelines proposed in Assembly Bill 811.	Not applicable.
C25.	Encourage Point-of-Sale Rebates, since they are the simplest methods for customers to qualify for incentives. Pursue adding more retailer participants within community.	Not applicable.
C26.	Review and update the landscape ordinance to continue lowering use of potable water for landscape irrigation. (City updated landscape standards in 2009 to further encourage water conservation.)	Not applicable.
C27.	Provide education about water conservation and available programs and incentives.	Not applicable.
C28.	Protect existing trees and encourage the planting of new drought tolerant trees. Adopt a tree protection and replacement ordinance.	Consistent. Refer to Specific Plan site design BMPs.
C29.	Work with developers to increase housing near transit through recently adopted mixed-use zones. (GHG Policy R2-T1 Land Use Based Trips and VMT Reduction Policies)	Not applicable.
C30.	Designate Transit-Oriented Development district(s). (GHG Policy R2-T1 Land Use Based Trips and VMT Reduction Policies)	Not applicable.
C31.	Explore building footprint, setbacks, height, scale, hardscape requirements to create compact building design techniques.	Not applicable.
C32.	Explore reduced parking minimums required for mixed-use developments to encourage transit and non-motorized transportation.	Not applicable. The project does not contain mixed use.

Table D-1 (cont.): Project Consistency with City of Moreno Valley Climate Action Strategy

No.	Moreno Valley Climate Action Strategy	Project Consistency
C33.	Apply urban planning principles that encourage high density, mixed-use, walkable/bike able neighborhoods, and coordinate land-use and transportation with open space systems and promote the efficient delivery of services and goods. (GHG Policy R2-T1 Land Use Based Trips and VMT Reduction Policies)	Not applicable.
C34.	Promote "Energy Efficiency" at City events or events that the City participates in such as 4th of July and the March Air Show.	Not applicable.
C35.	Develop original programming on MVTV-3 that promotes energy efficiency, e.g. a program that follows a residential energy audit, to demonstrate how residents can make their homes more energy efficient.	Not applicable.
C36.	Work with RTA to expand access to public transit by adding routes, and shelters and benches within 1/4 mile of as many residential areas, employment centers, commercial centers, schools, and parks as possible. Evaluate lighting at all shelters to improve safety.	The project description states the following: Local bus routes will be extended into the project area when adequate demand is generated as determined by RTA. All roadways within the WLC area will be designed to accommodate bus access. The need for bus stops, turnouts, etc. will be determined by the RTA during the review of subsequent project-specific applications.
C37.	Promote rideshare and trip reduction programs such as carpools/vanpools and preferential parking areas with City staff and other large employers.	Consistent with Mitigation Measure AQ-7.
C38.	Promote school rideshare programs to assist parents/students forming carpools.	Not applicable.
C39.	Adopt a Non-Motorized Transportation Plan. With focuses on pedestrian and bicycle routes and Master Sidewalk Plan. (GHG Policy R2- T1 Land Use Based Trips and VMT Reduction Policies)	The project includes safe pedestrian and bicycle routes.
C40.	Work with the school districts to improve pedestrian and bike access to schools and to restore or expand school bus service using lower-emitting vehicles.	Not applicable.
C41.	Set goals consistent with State's Long Term Strategic Plan: All new residential construction in California will be zero net energy by 2020. All new commercial construction in California will be zero net energy by 2030.	Not applicable, since the project will be constructed before 2030 and goals are for the City to meet. However, the project would comply with Title 24 requirements. In addition, the buildings will be constructed as solar ready.

Table D-1 (cont.): Project Consistency with City of Moreno Valley Climate Action Strategy

No.	Moreno Valley Climate Action Strategy	Project Consistency
C42.	Encourage installation of solar and wind power systems and solar hot water heaters.	Consistent. The project will construct the buildings to be solar ready and will encourage alternative energy.
C43.	Establish City guideline that identifies criteria for using rubberized asphalt concrete for public streets.	Not applicable.
C44.	Establish City guideline that identifies criteria for using 'green concrete' that has been made with recycled aggregate for public improvements. Results in reduced CO_2 emissions and reduces solid waste sent to landfills.	Consistent with Mitigation Measure AQ-8.
C45.	Prepare a Master Sidewalk Plan that identifies "missing links" where sidewalks are necessary and identifies streets for which no sidewalk is required.	The project would include pedestrian features and links to the outside community.
C46.	Adopt and implement a policy to increase the use of renewable energy.	Not applicable.
C47.	Promote residential surveys to educate residents on energy saving behaviors, and direct leads and data to appropriate marketing channels to encourage more extensive energy upgrades.	Not applicable.
C48.	Encourage installation of solar panels on unused roof and ground space and over carports and parking areas.	Consistent. The project would encourage solar and would construct the buildings to be solar ready.
C49.	Include energy storage where appropriate to optimize renewable energy generation systems and avoid peak energy use.	Not applicable.
C50.	Conduct gray water, rainfall runoff, and other system research and pilot study.	Not applicable.
C51.	Actively explore new items to add to the list of accepted recycled materials with the City's franchised waste hauler.	Not applicable.
C52.	Implement programs to encourage and increase participation of diverted waste from landfills to meet or exceed state regulation requirements.	Not applicable; however, the project is incorporating waste reduction measures as project design and by mitigation.
C53.	Provide easy and convenient recycling opportunities for residents, the public, and businesses.	Consistent with project design and mitigation measure AQ-8.
C54.	Provide education and publicity about reducing waste and available recycling services.	Consistent with project design and mitigation measure AQ-8.
C55.	Require shaded and accessible pedestrian paths of travel between building entrances and parking lots, sidewalks, adjacent properties, and public transportation stops.	Consistent with project design and mitigation measure AQ-7.

Table D-1 (cont.): Project Consistency with City of Moreno Valley Climate Action Strategy

No.	Moreno Valley Climate Action Strategy	Project Consistency
C56.	Increase housing density near transit. (GHG Policy R2-T1 Land Use Based Trips and VMT Reduction Policies)	Not applicable.
C57.	Steer development towards infill rather than greenfield areas. Consider differential impact fee system with lower fees for areas with infrastructure.	Not applicable.
C58.	Revise municipal code to ensure solar access is maintained for future solar electric and solar hot water installations.	Not applicable, since the project would not revise the municipal code. However, the project would construct the buildings as solar ready and would encourage alternative forms of energy.
C59	Consider a shade tree ordinance and utility incentives for shading south and west faces of dwelling units.	Not applicable.
C60.	Designate city staff person responsible for coordinating climate action by city departments.	Not applicable.
C61.	Promote local demonstration gardens at Western Municipal Water District and the planned garden at the southeast corner of Cactus and Heacock, around the EMWD pump station.	Not applicable. This is located to the west of the project site.
C62.	Encourage harvestable landscape.	The project would integrate native drought tolerant landscaping. Harvestable landscape is not feasible.
C63.	Promote free shuttle service connecting to Metrolink station.	Mitigation measure AQ-7 would provide employees with assistance in using alternate travel, which could potentially include this measure, if desired at the time.
C64.	Create travel routes that ensure destinations may be reached conveniently by public transit, bicycling and walking. (GHG Policy R2-T1 Land Use Based Trips and VMT Reduction Policies)	Consistent with project design and mitigation measure AQ-7.
C65.	Work with WRCOG to develop a new master plan to encourage use of neighborhood electric vehicles, which are environmentally friendly street legal vehicles.	Not applicable. However, the project would have electrical hookups.
C66.	Coordinate with school districts to adopt the League of America Bicyclists' Cycling curriculum so students learn safest way to bike.	Not applicable.
C67.	Implement "Smart Bus" technology - GPS with electronic displays at stops to provide actual time data to passengers.	Not applicable.
C68.	Develop renewable fuel locations and electric plug-in stations including a map for drivers to find refueling locations.	Consistent with mitigation measure AQ-7 and project design.

Table D-1 (cont.): Project Consistency with City of Moreno Valley Climate Action Strategy

No.	Moreno Valley Climate Action Strategy	Project Consistency
C69.	Implement a regional transit program between educational facilities. (GHG Policy R2-T1 Land Use Based Trips and VMT Reduction Policies)	Not applicable.
C70.	Incorporate bicycle lanes, routes and facilities into street systems, new subdivisions, and large developments. (GHG Policy R2- T1 Land Use Based Trips and VMT Reduction Policies)	Consistent with mitigation measure AQ-7 and project design.
C71.	Explore developing a Smart Growth Development Impact Fee matrix. Fee based on trips generated by project. (GHG Policy R2-T1 Land Use Based Trips and VMT Reduction Policies)	Not applicable.
C72.	Evaluate and update existing General Plan street cross- sections to accommodate "complete streets" design standards.	Not applicable.
C73.	Incorporate public transit into the project's design. (GHG Policy R2-T1 Land Use Based Trips and VMT Reduction Policies)	Consistent with mitigation measure AQ-7 and project design features.
C74.	Accelerate implementation of solar energy-based technology through permitting process (e.g., reduced permit fees, streamlined permit approval process).	Not applicable.
C75.	Where solar systems cannot feasibly be incorporated into the project at the outset, build "solar ready" structures.	Consistent. The project would construct the buildings to be solar ready.
C76.	Consider changing existing and future illuminated streetlights to LED. The retrofit cost for LED lighting is not feasible at this point. SCE and MVU do not currently have a separate rate structure for LED.	Consistent. As a design feature, the project would implement either high-pressure sodium or LED streetlights.
Source of Moreno Valley Climate Action Strategy: Moreno Valley Climate Action Strategy 2012. Source of project consistency: Michael Brandman Associates.		

Appendix E: Localized Spreadsheets and AERMOD Output

E.1 - Traffic Volumes and Emission Factors
E.2 - Other Development Projects
E.3 - 2012 LST Existing + Project Emissions and AERMOD Output
E.4 - Project LST Development Emissions for 2013, 2017, and 2022
E.5 - Project LST Development AERMOD Output for 2013, 2017, and 2022

E.1 - Traffic Volumes and Emission Factors

World Logistics Center

Emission Factors - EMFAC2011 **Riverside County**

Carbon Monoxide

Year= 2012

Vehicle	Fuel	Idle gram/hr	15 mph	25 mph	35 mph	45 mph	55 mph	65 mph
			----------Emission Factors in grams/mile-----					
LDA	DSL	5.822315	0.69002	0.403	0.281	0.232	0.226	0.261
LDT1	DSL	9.352866	1.09909	0.635	0.439	0.361	0.354	0.413
LDT2	DSL	8.412244	0.989182	0.572	0.395	0.326	0.319	0.372
LHD1	DSL	14.23219	1.657824	0.946	0.647	0.531	0.523	0.618
LHD2	DSL	13.59301	1.58337	0.903	0.618	0.507	0.499	0.590
MDV	DSL	4.876159	0.583432	0.346	0.243	0.201	0.195	0.223
T6	DSL	29.885	2.535749	1.432	1.089	0.890	0.833	0.919
T7	DSL	41.208	5.080687	2.815	2.277	1.994	1.966	2.193
LDA	GAS	17.05968	2.468525	1.939	1.625	1.430	1.361	1.407
LDT1	GAS	42.97081	6.014851	4.617	3.824	3.374	3.256	3.463
LDT2	GAS	22.40291	3.332984	2.648	2.221	1.938	1.808	1.789
LHD1	GAS	37.48335	4.142196	2.282	1.569	1.343	1.436	1.888
LHD2	GAS	36.88492	4.091716	2.258	1.552	1.329	1.417	1.901
MDV	GAS	26.77115	4.017805	3.205	2.693	2.345	2.176	2.125
T6	GAS	130.012	15.046	8.302	5.705	4.887	5.211	6.970
T7	GAS	130.012	64.2179	35.409	24.342	20.839	22.250	29.556

Year = 2017

Vehicle	Fuel	Idle gram/hr	15 mph	25 mph	35 mph	45 mph	55 mph	65 mph
			--------Emission Factors in grams/mile ------					
LDA	DSL	2.793	0.345	0.213	0.155	0.129	0.123	0.136
LDT1	DSL	4.257	0.517	0.313	0.223	0.185	0.178	0.200
LDT2	DSL	2.856	0.355	0.221	0.161	0.135	0.128	0.141
LHD1	DSL	12.574	1.465	0.835	0.572	0.469	0.462	0.546
LHD2	DSL	12.418	1.447	0.825	0.564	0.463	0.456	0.539
MDV	DSL	2.487	0.312	0.196	0.144	0.121	0.114	0.124
T6	DSL	21.882	1.086	0.572	0.494	0.465	0.483	0.550
T7	DSL	34.560	2.294	1.185	1.086	1.075	1.153	1.318
LDA	GAS	8.761	1.343	1.103	0.931	0.803	0.735	0.681
LDT1	GAS	23.102	3.404	2.718	2.265	1.958	1.817	1.740
LDT2	GAS	12.019	1.859	1.530	1.292	1.111	1.009	0.920
LHD1	GAS	21.564	2.371	1.312	0.902	0.772	0.826	1.083
LHD2	GAS	14.590	1.611	0.890	0.612	0.524	0.559	0.740
MDV	GAS	18.417	2.815	2.304	1.942	1.675	1.533	1.425
T6	GAS	134.530	5.837	3.223	2.216	1.896	2.026	2.690
T7	GAS	134.530	55.254	30.592	21.035	17.983	19.246	25.386

Model Year 2010

T6	DSL	25.423	0.636	0.326	0.304	0.308	0.333
T7	DSL	41.724	1.760	0.901	0.842	0.847	0.928

Year = 2022

Vehicle	Fuel	Idle gram/hr	15 mph	25 mph	35 mph	45 mph	55 mph	65 mph
			----------Emission Factors in grams/mile) -----					
LDA	DSL	1.495	0.199	0.134	0.103	0.087	0.081	0.083
LDT1	DSL	2.433	0.312	0.201	0.150	0.126	0.119	0.127
LDT2	DSL	1.773	0.237	0.160	0.123	0.104	0.096	0.099
LHD1	DSL	11.057	1.288	0.735	0.503	0.413	0.406	0.480
LHD2	DSL	10.890	1.269	0.723	0.495	0.406	0.400	0.473
MDV	DSL	1.408	0.190	0.130	0.101	0.086	0.079	0.081
T6	DSL	24.856	0.719	0.368	0.344	0.346	0.374	0.428
T7	DSL	41.047	2.344	1.202	1.121	1.126	1.217	1.394
LDA	GAS	6.043	0.970	0.813	0.689	0.588	0.520	0.451
LDT1	GAS	14.449	2.221	1.808	1.515	1.298	1.166	1.054
LDT2	GAS	7.880	1.268	1.062	0.900	0.768	0.677	0.586
LHD1	GAS	11.546	1.270	0.702	0.483	0.413	0.442	0.577
LHD2	GAS	6.033	0.664	0.367	0.252	0.216	0.231	0.302
MDV	GAS	12.134	1.937	1.614	1.366	1.168	1.034	0.904
T6	GAS	130.012	2.205	1.219	0.838	0.716	0.766	1.009
T7	GAS	130.012	53.383	29.502	20.286	17.341	18.541	24.435

Model Year 2010

T6	DSL	25.423	0.660	0.338	0.316	0.318	0.345
T7	DSL	41.724	1.775	0.909	0.849	0.855	1.080

World Logistics Center

Emission Factors - EMFAC2011 **Riverside County**

Oxides of Nitrogen

Year= 2012

Vehicle	Fuel	Idle gram/hr	15 mph	25 mph	35 mph	45 mph	55 mph	65 mph
			----------Emission Factors in grams/mile-----					
LDA	DSL	5.822	0.690	0.403	0.281	0.232	0.226	0.261
LDT1	DSL	9.353	1.099	0.635	0.439	0.361	0.354	0.413
LDT2	DSL	8.412	0.989	0.572	0.395	0.326	0.319	0.372
LHD1	DSL	14.232	1.658	0.946	0.647	0.531	0.523	0.618
LHD2	DSL	13.593	1.583	0.903	0.618	0.507	0.499	0.590
MDV	DSL	4.876	0.583	0.346	0.243	0.201	0.195	0.223
T6	DSL	29.885	2.536	1.432	1.089	0.890	0.833	0.919
T7	DSL	41.208	5.081	2.815	2.277	1.994	1.966	2.193
LDA	GAS	17.060	2.469	1.939	1.625	1.430	1.361	1.407
LDT1	GAS	42.971	6.015	4.617	3.824	3.374	3.256	3.463
LDT2	GAS	22.403	3.333	2.648	2.221	1.938	1.808	1.789
LHD1	GAS	37.483	4.142	2.282	1.569	1.343	1.436	1.888
LHD2	GAS	36.885	4.092	2.258	1.552	1.329	1.417	1.901
MDV	GAS	26.771	4.018	3.205	2.693	2.345	2.176	2.125
T6	GAS	130.012	15.046	8.302	5.705	4.887	5.211	6.970
T7	GAS	130.012	64.218	35.409	24.342	20.839	22.250	29.556

Year = 2017

Vehicle	Fuel	Idle gram/hr	15 mph	25 mph	35 mph	45 mph	55 mph	65 mph
			--------Emission Factors in grams/mile ------					
LDA	DSL	3.100	0.495	0.408	0.376	0.389	0.452	0.596
LDT1	DSL	3.534	0.564	0.463	0.427	0.442	0.515	0.680
LDT2	DSL	3.178	0.511	0.422	0.390	0.402	0.465	0.607
LHD1	DSL	23.396	3.603	2.851	2.606	2.748	3.332	4.699
LHD2	DSL	23.007	3.543	2.804	2.563	2.703	3.277	4.621
MDV	DSL	2.392	0.389	0.325	0.301	0.309	0.352	0.451
T6	DSL	71.012	5.300	3.682	3.214	2.941	2.863	2.981
T7	DSL	54.808	9.788	6.753	5.783	5.204	5.016	5.219
LDA	GAS	0.680	0.106	0.087	0.077	0.074	0.073	0.081
LDT1	GAS	2.021	0.297	0.237	0.207	0.199	0.204	0.239
LDT2	GAS	1.216	0.186	0.151	0.133	0.126	0.125	0.140
LHD1	GAS	1.206	0.264	0.287	0.311	0.337	0.359	0.398
LHD2	GAS	1.013	0.222	0.241	0.261	0.283	0.302	0.334
MDV	GAS	2.112	0.319	0.258	0.226	0.215	0.216	0.244
T6	GAS	1.386	0.621	0.674	0.731	0.792	0.845	0.921
T7	GAS	1.386	3.282	3.562	3.865	4.186	4.467	4.869
Model Year 2010								
T6	DSL	38.409	1.609	1.090	0.894	0.773	0.731	
T7	DSL	38.409	3.500	2.370	1.945	1.681	1.607	

Year = 2022

Vehicle	Fuel	Idle gram/hr	15 mph	25 mph	35 mph	45 mph	55 mph	65 mph
			----------Emission Factors in grams/mile) -----					
LDA	DSL	2.203	0.363	0.306	0.284	0.290	0.327	0.410
LDT1	DSL	2.666	0.438	0.368	0.341	0.349	0.395	0.498
LDT2	DSL	2.630	0.434	0.366	0.340	0.347	0.391	0.489
LHD1	DSL	15.451	2.375	1.882	1.720	1.814	2.199	3.101
LHD2	DSL	15.155	2.330	1.846	1.687	1.779	2.157	3.042
MDV	DSL	1.871	0.313	0.267	0.249	0.253	0.280	0.342
T6	DSL	24.856	2.151	1.461	1.205	1.047	0.987	1.025
T7	DSL	41.047	6.426	4.370	3.611	3.143	2.966	3.079
LDA	GAS	0.530	0.082	0.067	0.058	0.055	0.054	0.059
LDT1	GAS	1.345	0.198	0.157	0.137	0.130	0.133	0.153
LDT2	GAS	0.796	0.122	0.099	0.086	0.081	0.081	0.089
LHD1	GAS	0.804	0.175	0.191	0.207	0.224	0.240	0.265
LHD2	GAS	0.641	0.140	0.152	0.165	0.179	0.191	0.211
MDV	GAS	1.406	0.212	0.171	0.149	0.140	0.141	0.158
T6	GAS	1.353	0.304	0.331	0.359	0.389	0.416	0.453
T7	GAS	1.353	2.980	3.248	3.524	3.817	4.083	4.446
Model Year 2010								
T6		38.409	1.700	1.152	0.945	0.817	0.771	
T7		38.409	3.561	2.413	1.980	1.711	2.013	

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Emission Factors - EMFAC2011 **Riverside County**

PM10

Year= 2012

Vehicle	Fuel	Idle gram/hr	15 mph	25 mph	35 mph	45 mph	55 mph	65 mph
			----------Emission Factors in grams/mile(*)-----					
LDA	DSL	0.125	0.128	0.101	0.086	0.079	0.075	0.075
LDT1	DSL	0.327	0.232	0.171	0.138	0.120	0.111	0.109
LDT2	DSL	0.183	0.209	0.155	0.126	0.110	0.103	0.101
LHD1	DSL	0.306	0.161	0.137	0.124	0.117	0.114	0.112
LHD2	DSL	0.303	0.171	0.148	0.135	0.129	0.125	0.124
MDV	DSL	0.159	0.132	0.103	0.088	0.080	0.076	0.076
T6	DSL	0.904	0.568	0.375	0.327	0.322	0.362	0.445
T7	DSL	0.721	0.610	0.413	0.369	0.379	0.446	0.568
LDA	GAS	0.058	0.051	0.048	0.047	0.047	0.047	0.047
LDT1	GAS	0.085	0.058	0.052	0.050	0.049	0.049	0.049
LDT2	GAS	0.058	0.051	0.048	0.047	0.047	0.047	0.047
LHD1	GAS	0.019	0.051	0.048	0.047	0.046	0.046	0.046
LHD2	GAS	0.013	0.050	0.048	0.047	0.046	0.046	0.046
MDV	GAS	0.061	0.051	0.048	0.047	0.047	0.047	0.047
T6	GAS	0.061	0.052	0.048	0.047	0.046	0.046	0.046
T7	GAS	0.061	0.049	0.047	0.046	0.046	0.046	0.046

Year = 2017

Vehicle	Fuel	Idle gram/hr	15 mph	25 mph	35 mph	45 mph	55 mph	65 mph
			----------Emission Factors in grams/mile(*)-----					
LDA	DSL	0.250	0.078	0.068	0.062	0.059	0.059	0.060
LDT1	DSL	0.583	0.126	0.100	0.085	0.078	0.075	0.075
LDT2	DSL	0.289	0.085	0.072	0.065	0.062	0.060	0.061
LHD1	DSL	0.401	0.144	0.126	0.116	0.110	0.108	0.107
LHD2	DSL	0.397	0.157	0.138	0.129	0.123	0.120	0.120
MDV	DSL	0.298	0.090	0.073	0.066	0.062	0.061	0.062
T6	DSL	0.255	0.251	0.214	0.208	0.215	0.235	0.269
T7	DSL	0.136	0.182	0.162	0.161	0.170	0.191	0.224
LDA	GAS	0.050	0.049	0.047	0.046	0.046	0.046	0.046
LDT1	GAS	0.100	0.054	0.005	0.048	0.048	0.047	0.048
LDT2	GAS	0.053	0.050	0.047	0.047	0.046	0.046	0.046
LHD1	GAS	0.031	0.048	0.047	0.046	0.046	0.046	0.046
LHD2	GAS	0.025	0.048	0.046	0.046	0.046	0.045	0.045
MDV	GAS	0.059	0.050	0.048	0.047	0.046	0.046	0.047
T6	GAS	0.025	0.048	0.046	0.046	0.046	0.045	0.045
T7	GAS	0.013	0.046	0.046	0.045	0.045	0.045	0.045
Model Year 2010								
T6	DSL	0.083	0.170	0.168	0.169	0.173	0.183	
T7	DSL	0.099	0.151	0.147	0.149	0.158	0.177	

Year = 2022

Vehicle	Fuel	Idle gram/hr	15 mph	25 mph	35 mph	45 mph	55 mph	65 mph
			----------Emission Factors in grams/mile(*)-----					
LDA	DSL	0.125	0.062	0.306	0.284	0.290	0.327	0.410
LDT1	DSL	0.327	0.090	0.368	0.341	0.349	0.395	0.498
LDT2	DSL	0.183	0.070	0.366	0.340	0.347	0.391	0.489
LHD1	DSL	0.306	0.131	1.882	1.720	1.814	2.199	3.101
LHD2	DSL	0.303	0.144	1.846	1.687	1.779	2.157	3.042
MDV	DSL	0.159	0.067	0.267	0.249	0.253	0.280	0.342
T6	DSL	0.096	0.176	1.461	1.205	1.047	0.987	1.025
T7	DSL	0.112	0.168	4.370	3.611	3.143	2.966	3.079
LDA	GAS	0.058	0.050	0.067	0.058	0.055	0.054	0.059
LDT1	GAS	0.085	0.052	0.157	0.137	0.130	0.133	0.153
LDT2	GAS	0.058	0.050	0.099	0.086	0.081	0.081	0.089
LHD1	GAS	0.019	0.047	0.191	0.207	0.224	0.240	0.265
LHD2	GAS	0.013	0.046	0.152	0.165	0.179	0.191	0.211
MDV	GAS	0.061	0.050	0.171	0.149	0.140	0.141	0.158
T6	GAS	0.013	0.046	0.331	0.359	0.389	0.416	0.453
T7	GAS	0.013	0.046	3.248	3.524	3.817	4.083	4.446
Model Year 2010								
T6		0.090	0.174	1.152	0.945	0.817	0.771	
T7		0.108	0.157	2.413	1.980	1.711	2.013	

(*) Includes running exhaust + tire wear + brake wear emission factors

World Logistics Center

Emission Factors - EMFAC2011 **Riverside County**

PM2.5

Year= 2012

Vehicle	Fuel	Idle gram/hr	15 mph	25 mph	35 mph	45 mph	55 mph	65 mph
				----------Emission Factors in grams/mile(*)-----				
LDA	DSL	0.549	0.095	0.069	0.056	0.049	0.045	0.045
LDT1	DSL	1.229	0.190	0.134	0.103	0.086	0.078	0.076
LDT2	DSL	1.078	0.169	0.119	0.093	0.078	0.071	0.069
LHD1	DSL	0.482	0.105	0.081	0.069	0.063	0.059	0.058
LHD2	DSL	0.457	0.105	0.084	0.073	0.067	0.064	0.063
MDV	DSL	0.572	0.098	0.072	0.057	0.050	0.047	0.047
MH	DSL		0.301	0.230	0.198	0.198	0.230	0.293
OBUS	DSL		0.551	0.388	0.333	0.334	0.388	0.508
SBUS	DSL		0.603	0.646	0.564	0.532	0.549	0.322
T6	DSL	0.832	0.451	0.273	0.229	0.225	0.261	0.338
T7	DSL	0.663	0.508	0.326	0.286	0.296	0.357	0.469
UBUS	DSL		0.447	0.634	0.551	0.514	0.502	0.363
LDA	GAS	0.058	0.023	0.020	0.020	0.019	0.019	0.019
LDT1	GAS	0.131	0.030	0.024	0.022	0.021	0.021	0.022
LDT2	GAS	0.060	0.023	0.021	0.020	0.019	0.019	0.019
LHD1	GAS	0.047	0.023	0.020	0.019	0.019	0.019	0.019
LHD2	GAS	0.044	0.023	0.020	0.019	0.019	0.019	0.019
MCY	GAS		0.001	0.018	0.018	0.018	0.019	0.019
MDV	GAS	0.062	0.023	0.021	0.020	0.019	0.019	0.020
MH	GAS		0.008	0.022	0.020	0.019	0.019	0.019
OBUS	GAS		0.003	0.019	0.019	0.018	0.018	0.018
SBUS	GAS		0.011	0.023	0.021	0.020	0.020	0.018
T6	GAS	0.062	0.024	0.021	0.020	0.019	0.019	0.019
T7	GAS	0.062	0.021	0.019	0.019	0.018	0.018	0.018
				0.019915	0.019046	0.018665	0.018513	0.01775

Year = 2017

Vehicle	Fuel	Idle gram/hr	15 mph	25 mph	35 mph	45 mph	55 mph	65 mph
				----------Emission Factors in grams/mile(*)-----				
LDA	DSL	0.230	0.050	0.039	0.034	0.049	0.048	0.032
LDT1	DSL	0.537	0.093	0.068	0.055	0.066	0.063	0.046
LDT2	DSL	0.266	0.055	0.043	0.036	0.051	0.050	0.033
LHD1	DSL	0.369	0.089	0.071	0.062	0.093	0.090	0.053
LHD2	DSL	0.365	0.092	0.075	0.066	0.102	0.100	0.058
MDV	DSL	0.274	0.056	0.044	0.037	0.052	0.051	0.034
MH	DSL		0.231	0.134	0.111	0.113	0.140	0.192
OBUS	DSL		0.070	0.048	0.045	0.051	0.064	0.090
SBUS	DSL		0.193	0.106	0.080	0.071	0.077	
T6	DSL	0.235	0.159	0.126	0.120	0.185	0.204	0.176
T7	DSL	0.125	0.114	0.096	0.095	0.104	0.123	0.152
UBUS	DSL		0.413	0.250	0.174	0.139	0.128	
LDA	GAS	0.046	0.022	0.020	0.019	0.019	0.037	0.019
LDT1	GAS	0.092	0.026	0.022	0.021	0.038	0.038	0.021
LDT2	GAS	0.049	0.022	0.020	0.019	0.037	0.037	0.019
LHD1	GAS	0.028	0.021	0.020	0.019	0.037	0.037	0.019
LHD2	GAS	0.023	0.020	0.019	0.019	0.037	0.036	0.018
MCY	GAS		0.000	0.000	0.000	0.018	0.018	0.001
MDV	GAS	0.055	0.023	0.020	0.020	0.037	0.037	0.020
MH	GAS		0.004	0.002	0.001	0.019	0.019	0.001
OBUS	GAS		0.002	0.001	0.001	0.018	0.018	0.000
SBUS	GAS		0.004	0.002	0.001	0.019	0.019	
T6	GAS	0.023	0.020	0.019	0.019	0.037	0.036	0.018
T7	GAS	0.023	0.019	0.019	0.018	0.036	0.036	0.018
				0.002	0.001	0.019	0.019	
Model Year 2010								
T6	DSL	0.083	0.087	0.083	0.083	0.088	0.097	
T7	DSL	0.099	0.090	0.082	0.083	0.092	0.110	

Year = 2022

Vehicle	Fuel	Idle gram/hr	15 mph	25 mph	35 mph	45 mph	55 mph	65 mph
				----------Emission Factors in grams/mile(*)-----				
LDA	DSL	0.115	0.034	0.028	0.026	0.025	0.025	0.027
LDT1	DSL	0.301	0.060	0.046	0.039	0.035	0.034	0.035
LDT2	DSL	0.169	0.041	0.033	0.029	0.028	0.028	0.029
LHD1	DSL	0.282	0.077	0.062	0.055	0.051	0.050	0.049
LHD2	DSL	0.279	0.080	0.068	0.061	0.057	0.055	0.054
MDV	DSL	0.146	0.038	0.031	0.028	0.026	0.026	0.028
MH	DSL		0.154	0.093	0.080	0.084	0.105	0.143
OBUS	DSL		0.045	0.038	0.039	0.047	0.060	0.083
SBUS	DSL		0.092	0.049	0.038	0.038	0.048	
T6	DSL	0.235	0.090	0.085	0.086	0.091	0.100	0.113
T7	DSL	0.125	0.101	0.091	0.092	0.102	0.121	0.150
UBUS	DSL		0.361	0.218	0.152	0.122	0.112	
LDA	GAS	0.054	0.023	0.020	0.020	0.019	0.019	0.019
LDT1	GAS	0.079	0.025	0.022	0.020	0.020	0.020	0.020
LDT2	GAS	0.054	0.023	0.020	0.020	0.019	0.019	0.019
LHD1	GAS	0.017	0.020	0.019	0.019	0.018	0.018	0.018
LHD2	GAS	0.012	0.019	0.019	0.018	0.018	0.018	0.018
MCY	GAS		0.000	0.000	0.000	0.000	0.000	0.000
MDV	GAS	0.057	0.023	0.021	0.020	0.019	0.019	0.020
MH	GAS		0.002	0.001	0.001	0.000	0.000	0.000
OBUS	GAS		0.001	0.001	0.000	0.000	0.000	0.000
SBUS	GAS		0.003	0.001	0.001	0.001	0.000	
T6	GAS	0.012	0.019	0.019	0.018	0.018	0.018	0.018
T7	GAS	0.012	0.019	0.018	0.018	0.018	0.018	0.018
				0.001	0.001	0.001	0.000	
Model Year 2010								
T6		0.083	0.088	0.084	0.085	0.089	0.098	
T7		0.099	0.091	0.083	0.084	0.093	0.126	

(*) Includes running exhaust + tire wear + brake wear emission factors

World Logistics Center

Entrained Road Dust

General Emission Factor for Paved Road Dust (USEPA 2011)

EF = k x (sL)^0.91 x (W)^1.02

EF = paved road dust emisison factor (pounds/mile)

k = Particle Size Multiplier for the particle size of interest (pound/mile)

sL = silt loading for roadway type (g/m2)

W = average vehicle weight (tons)

Parameter Values

k = 0.0022 lb/mile for PM10
k = 0.00054 lb/mile for PM2.5

sL = 0.022 grams/m2 for freeway
sL = 0.035 grams/m2 for arterial and major collector road
sL = 0.32 grams/m2 for minor collector road

CARB and SCAQMD's 2007 AQMP provide average silt loading factors based on road type. Using this data, silt loading factors were assigned to each traffic link based on the road type

W = 2.13 tons for light duty autos, light and medium duty trucks
W = 5.63 tons for light heavy duty trucks
W = 11.75 tons for medium heavy duty trucks
W = 23.25 tons for heavy heavy trucks

The average weight for any vehicle class was determined from EMFAC2007. EMFAC2007 provides a weight range for the various vehicle classes. The average weight for the range for a given vehicle class was used as the weight for that particular vehicle class

Reference: USEPA 2011. AP42 Compilation of Air Emission Factors Section 13.2.1

			2012												2017											
			Two-Way Total 2012 - Daily												Two-Way Total 2017 - Daily											
			No Project				With Project								No Project				With Project							
							Non-Project				Project								Non-Project				Project			
Segment ID EB/NB	Route	Segment	Cars	LT	MT	HT	Cars	LT	MT	HT	Cars	LT	MT	HT	Cars	LT	MT	HT	Cars	LT	MT	HT	Cars	LT	MT	HT
1	SR-60	SR-71/S Garey Ave to S Reservoir Rd	196,100	2,430	4,010	15,970	192,780	2,430	4,010	15,970	810	110	310	3,110	215,700	2,670	4,410	17,570	214,470	2,650	4,370	17,210	430	40	150	1,550
2		S Reservoir Rd to Ramona Ave	199,840	2,580	4,220	16,810	196,720	2,580	4,220	16,810	680	120	320	3,150	220,080	2,680	4,560	18,550	218,560	2,700	4,520	18,190	360	40	150	1,570
3		Ramona Ave to Central Ave	188,390	2,530	4,090	16,210	185,150	2,530	4,090	16,210	710	120	330	3,180	207,460	2,610	4,410	17,890	206,040	2,650	4,370	17,530	380	40	160	1,590
4		Central Ave to Mountain Ave	197,510	2,690	4,360	17,150	194,230	2,690	4,360	17,150	760	120	350	3,230	217,570	2,790	4,710	18,930	216,150	2,820	4,660	18,560	410	50	170	1,620
5		Mountain Ave to Euclid Ave	191,310	2,620	4,260	16,700	187,890	2,620	4,260	16,700	810	130	370	3,280	210,740	2,700	4,600	18,430	209,320	2,740	4,550	18,060	430	50	180	1,640
6		Euclid Ave to Grove Ave	208,800	2,890	4,680	18,420	205,370	2,890	4,680	18,420	850	130	370	3,310	230,130	3,010	5,070	20,330	228,690	3,030	5,020	19,950	460	50	180	1,660
7		Grove Ave to Vineyard Ave	204,730	2,800	4,430	17,470	201,270	2,800	4,430	17,470	870	130	380	3,330	225,670	2,900	4,780	19,280	224,230	2,930	4,730	18,900	470	50	180	1,660
8		Vineyard Ave to Archibald Ave	204,510	2,820	4,480	17,480	200,920	2,820	4,480	17,480	900	130	390	3,370	225,330	2,930	4,850	19,290	223,740	2,950	4,800	18,900	480	50	190	1,680
9		Archibald Ave to Haven Ave	192,360	2,730	4,290	16,140	188,250	2,730	4,290	16,140	980	140	430	3,570	211,840	2,820	4,630	17,830	210,040	2,850	4,580	17,430	530	50	210	1,780
10		Haven Ave to Miliken Ave	174,280	2,470	3,890	14,530	170,220	2,470	3,890	14,530	1,010	140	440	3,600	191,970	2,540	4,200	16,060	190,220	2,580	4,150	15,660	540	50	210	1,800
11		Miliken Ave to SR-15	143,010	2,560	3,860	14,530	139,140	2,560	3,860	14,530	1,040	150	450	3,620	157,520	2,670	4,200	16,110	155,940	2,660	4,150	15,720	560	50	220	1,810
12		I-15 to Etiwanda Ave	103,060	1,980	2,890	9,900	98,880	1,980	2,890	9,900	1,550	180	580	4,070	114,950	2,050	3,190	11,150	113,380	2,030	3,120	10,730	830	70	280	2,030
13		Etiwanda Ave to Mission Blvd/Country Village Rd	113,940	1,990	2,870	9,980	109,430	1,990	2,870	9,980	1,670	190	630	4,230	127,260	2,080	3,180	11,260	125,520	2,070	3,120	10,830	890	70	300	2,100
14		Mission Blvd/Country Village Rd to Pedley Rd	104,980	1,800	2,620	9,100	100,190	1,800	2,620	9,100	1,700	200	660	4,340	117,470	1,870	2,910	10,310	115,730	1,850	2,840	9,880	920	80	310	2,160
15		Pedley Rd to Pyrite St	96,850	1,600	2,360	8,340	92,220	1,600	2,360	8,340	1,690	200	660	4,340	108,700	1,660	2,630	9,480	107,140	1,660	2,570	9,050	900	80	310	2,160
16		Pyrite St to Valley Way	93,360	1,560	2,320	8,140	88,720	1,560	2,320	8,140	1,810	210	660	4,360	104,980	1,520	2,630	9,520	103,490	1,560	2,560	9,100	970	80	320	2,170
17		Valley Way to Rubidoux Blvd	128,180	2,080	3,080	10,560	123,400	2,080	3,080	10,560	2,170	220	710	4,460	144,080	2,080	3,480	12,190	142,520	2,080	3,410	11,760	1,150	80	340	2,220
18		Rubidoux Blvd to Market St	125,480	2,110	3,020	10,020	120,460	2,110	3,020	10,020	2,490	230	730	4,490	141,710	2,090	3,410	11,610	140,020	2,110	3,330	11,180	1,300	90	350	2,240
19		Market St to Main St	149,530	2,700	3,810	11,920	144,070	2,700	3,810	11,920	2,680	250	790	4,600	169,080	2,750	4,310	13,740	167,280	2,710	4,240	13,320	1,410	90	380	2,300
20		Main St to SR-91	172,530	3,280	4,500	13,200	166,240	3,280	4,500	13,200	3,290	300	930	4,970	195,250	3,360	5,100	15,220	192,880	3,310	5,020	14,770	1,700	110	440	2,480
21		SR-91 to W Blaine St/3rd St	197,960	3,130	4,520	16,330	187,590	3,130	4,520	16,330	6,570	510	1,660	8,120	228,810	3,140	5,300	19,040	224,630	3,130	5,140	18,200	3,260	180	770	4,080
22		W Blaine St/3rd St to University Ave	184,370	2,780	4,060	14,330	173,780	2,780	4,060	14,330	6,760	530	1,740	8,290	213,910	2,760	4,830	16,890	209,370	2,780	4,660	16,040	3,340	190	810	4,160
23		University Ave to Martin Luther King Blvd	190,760	2,880	4,230	14,770	180,610	2,880	4,230	14,770	6,760	540	1,770	8,340	222,180	2,880	5,040	17,410	218,120	2,880	4,880	16,580	3,370	190	820	4,190
24		Martin Luther King Blvd to Central Ave	235,220	3,610	5,450	19,280	225,000	3,610	5,450	19,280	7,430	570	1,870	8,590	273,080	3,710	6,400	22,320	268,810	3,640	6,240	21,590	3,710	210	870	4,310
25		Central Ave to Fair Isle Dr/Box Springs Rd	214,380	3,240	4,810	16,700	202,840	3,240	4,810	16,700	8,530	610	1,980	8,770	249,110	3,290	5,690	19,500	244,470	3,240	5,530	18,760	4,190	220	920	4,390
26		Fair Isle Dr/Box Springs Rd to I-215	214,910	3,050	4,570	16,710	204,720	3,050	4,570	16,710	8,810	620	1,990	8,740	243,700	3,090	5,190	18,920	239,320	3,050	5,050	18,200	4,300	230	930	4,380
27		I-215 to Day St	126,850	2,300	3,220	13,740	116,240	2,300	3,220	13,740	11,520	700	2,210	9,580	147,190	2,350	3,590	15,050	142,100	2,300	3,450	14,460	5,440	260	1,070	4,910
28		Day St to Pigeon Pass Rd/Frederick St	128,180	2,400	3,150	14,870	117,740	2,400	3,150	14,870	11,310	720	2,260	9,580	149,100	2,470	3,530	16,300	143,900	2,400	3,390	15,710	5,330	270	1,100	4,910
29		Pigeon Pass Rd/Frederick St to Heacock St	108,990	1,920	2,620	12,660	98,510	1,920	2,620	12,660	11,740	750	2,340	9,640	128,770	1,950	2,960	13,870	123,780	1,920	2,820	13,280	5,530	280	1,140	4,940
30		Heacock St to Perris Blvd	93,000	1,630	2,220	10,840	82,540	1,630	2,220	10,840	13,360	800	2,410	9,720	114,440	1,630	2,540	11,900	109,260	1,630	2,400	11,310	6,280	300	1,170	5,040
31		Perris Blvd to Nason St	76,430	1,200	1,670	8,590	67,180	1,200	1,670	8,590	15,430	890	2,580	9,940	97,720	1,150	1,950	9,470	93,080	1,200	1,810	8,880	7,160	330	1,250	5,250
32		Nason St to Moreno Beach Dr	67,780	990	1,380	7,440	59,160	990	1,380	7,440	16,630	950	2,630	9,940	87,030	930	1,640	8,200	82,720	990	1,500	7,650	7,670	360	1,280	5,250
33		Moreno Beach Dr to Redlands Blvd	48,730	600	860	4,720	40,650	600	860	4,720	17,310	970	2,640	10,010	64,740	480	970	5,130	60,960	600	860	4,720	8,020	370	1,290	5,330
34		Redlands Blvd to Theodore St	39,490	700	1,000	5,820	32,000	700	1,000	5,820	18,210	970	2,620	10,010	55,460	630	1,150	6,340	52,390	700	1,050	5,870	8,640	400	1,330	5,670
35		Theodore St to Gilman Springs Rd	39,240	660	1,000	5,810	33,120	660	1,000	5,810	5,650	270	720	2,190	52,430	540	1,080	6,150	50,720	660	1,020	5,840	2,570	80	270	730
36		Gilman Springs Rd to Jack Rabbit Trail	30,560	470	730	4,630	28,240	470	730	4,630	3,880	170	470	1,100	43,260	420	850	4,850	41,920	470	800	4,630	2,420	80	250	580
37		Jack Rabbit Trail to I-10	30,560	460	730	4,630	28,240	460	730	4,630	3,880	170	470	1,100	43,250	410	850	4,850	41,920	460	800	4,630	2,420	80	250	580
75	SR-91	I-15 to McKinley St	197,910	1,840	3,020	9,640	195,370	1,840	3,020	9,640	1,370	120	420	2,260	227,160	1,720	3,230	10,780	225,990	1,840	3,200	10,610	740	40	200	1,120
76		McKinley St to Pierce St	180,890	1,730	2,780	8,780	178,150	1,730	2,780	8,780	1,610	120	450	2,320	207,260	1,610	2,990	9,860	206,090	1,730	2,950	9,680	850	50	210	1,150
77		Pierce St to Magnolia Ave	170,920	1,520	2,520	8,420	168,200	1,520	2,520	8,420	1,610	120	450	2,320	196,280	1,410	2,730	9,470	195,190	1,520	2,690	9,300	850	50	210	1,150
78		Magnolia Ave to La Sierra Ave	182,470	1,790	2,970	9,980	179,640	1,790	2,970	9,980	1,710	130	470	2,350	208,830	1,710	3,240	11,190	207,520	1,790	3,200	11,020	900	50	220	1,170
79		La Sierra Ave to Tyler St	163,510	1,600	2,700	9,120	160,660	1,600	2,700	9,120	1,900	130	480	2,370	188,020	1,520	2,940	10,200	186,720	1,600	2,900	10,010	990	50	230	1,170
80		Tyler St to Van Buren Blvd	197,180	1,190	1,940	6,550	194,090	1,190	1,940	6,550	2,090	140	510	2,410	225,750	1,060	2,120	7,380	224,360	1,190	2,080	7,200	1,080	50	240	1,200
81		Van Buren Blvd to Adam St	183,050	1,060	1,730	5,990	180,000	1,060	1,730	5,990	2,240	140	530	2,450	211,190	940	1,900	6,820	209,920	1,060	1,850	6,640	1,160	50	250	1,210
82		Adam St to Madison St	170,350	940	1,500	5,320	167,080	940	1,500	5,320	2,350	150	550	2,470	197,980	820	1,670	6,100	196,630	940	1,620	5,910	1,220	50	260	1,230
83		Madison St to Indiana Ave (off-ramp)	163,920	850	1,390	4,850	160,510	850	1,390	4,850	2,390	150	570	2,500	191,850	730	1,560	5,580	190,450	850	1,510	5,400	1,250	60	270	1,240
84		Arlington Ave to Central Ave	136,040	860	1,390	4,910	132,760	860	1,390	4,910	2,660	150	570	2,480	161,910	750	1,500	5,580	160,230	860	1,450	5,400	1,330	60	280	1,260
85		Central Ave to 14th St	162,700	1,030	1,670	5,860	159,270	1,030	1,670	5,860	2,680	150	560	2,470	190,210	940	1,790	6,600	188,610	1,030	1,740	6,420	1,330	60	280	1,250
86		14th St to University Ave	149,430	970	1,560	5,340	145,730	970	1,560	5,340	2,470	130	500	2,270	172,800	870	1,670	6,060	171,000	970	1,610	5,760	1,310	50	250	1,150
87		University Ave to Spruce St (off-ramp)	192,800	1,270	2,020	6,860	189,100	1,270	2,020	6,860	2,480	130	510	2,290	220,260	1,200	2,170	7,730	218,550	1,270	2,110	7,430	1,350	50	250	1,160
101	I-10	SR-60 to Beaumont Ave	104,310	1,360	2,220	14,110	103,060	1,360	2,220	14,110	1,950	100	310	950	118,470	1,070	2,270	15,100	117,590	1,360	2,240	14,960	1,170	40	150	480
102		Beaumont Ave to Pennsylvania Ave	106,020	1,340	2,260	14,380	104,600	1,340	2,260	14,380	1,550	90	280	920	118,580	1,030	2,290	15,450	117,970	1,340	2,270	15,320	880	30	130	460
103		Pennsylvania Ave to Highland Springs Ave	111,150	1,440	2,400	15,010	109,600	1,440	2,400	15,010	1,550	90	280	920	124,030	1,110	2,430	16,140	123,110	1,440	2,410	16,000	880	30	130	460
104		Highland Springs Ave to Sunset Ave	106,880	1,330	2,280	14,510	105,440	1,330	2,280	14,510	1,140	70	250	900	118,330	1,250	2,420	15,790	117,540	1,390	2,400	15,660	640	30	120	450
105		Sunset Ave to 22nd St	104,310	1,270	2,210	14,220	102,950	1,270	2,210	14,220	920	70	230	890	115,390	1,180	2,340	15,470	114,640	1,320	2,320	15,340	520	30	110	450
106		22nd St to S 8th St	102,600	1,230	2,160	14,010	101,270	1,230	2,160	14,010	830	60	220	880	113,420	1,150	2,290	15,240	112,680	1,290	2,270	15,120	470	20	110	440
107		S 8th St to S Hargrave St	102,600	1,200	2,140	14,070	101,300	1,200	2,140	14,070	670	60	200	850	112,860	1,320	2,350	15,480	112,140	1,310	2,330	15,350	380	20	100	420
108		S Hargrave St to Field Rd	92,340	1,080	1,940	12,640	91,030	1,080	1,940	12,640	570	50	190	840	101,570	1,190	2,130	13,910	100,880	1,180	2,120	13,780	320	20	90	420
109		Field Rd to Main St (Cabazon)	88,070	1,010	1,780	12,140	86,810	1,010	1,780	12,140	530	50	160	820	96,870	1,120	1,960	13,350	96,210	1,110	1,950	13,230	310	20	80	410
110		Main St (Cabazon) to Main St	77,810	880	1,580	10,740	76,690	880	1,580	10,740	470	50	160	810	85,590	970	1,740	11,810	84,990	960	1,730	11,690	270	20	70	400
111		Main St to Haugen-Lehmann Way	77,810	880	1,590	10,720	76,700	880	1,590	10,720	470	50	160	810	85,590	970	1,750	11,800	85,020	960	1,740	11,680	270	20	70	400
112		Haugen-Lehmann Way to SR-111	77,810	880	1,590	10,730	76,700	880	1,590	10,730	460	50	150	810	85,590	970	1,750	11,800	85,020	960	1,740	11,680	270	20	70	400
113		SR-111 to Tipton Rd	67,550	740	1,360	9,350	66,700	740	1,360	9,350	380	40	130	720	74,300	820	1,500	10,290	73,930	810	1,490	10,180	220	10	60	360
114		Tipton Rd to SR-62	67,550	740	1,360	9,350	66,780	740	1,360	9,350	380	40	130	720	74,700	650	1,430	10,130	74,330	780	1,430	10,020	220	10	60	360
129	SR-215	Scott Rd to Newport Rd	79,160	930	1,540	3,720	77,100	930	1,540	3,720	2,600	40	160	330	89,430	910	1,640	3,950	88,810	930	1,610	3,830	1,090	10	80	160
130		Newport Rd to MacCall Blvd	67,980	830	1,320	3,170	65,660	830	1,320	3,170	3,140	50	180	350	78,780	810	1,420	3,370	77,850	830	1,390	3,240	1,300	20	90	170
131		MacCall Blvd to Ethanac Rd	74,180	990	1,470	3,340	71,610	990	1,470	3,340	3,450	60	200	380	86,010	940	1,570	3,540	84,860	990	1,540	3,400	1,420	20	100	180
132		Ethanac Rd to SR-74/Case	96,780	1,250	1,890	4,420	94,260	1,250	1,890	4,420	3,540	60	210	390	111,380	1,250	2,040	4,670	110,240	1,250	2,010	4,530	1,460	20	100	180
133		SR-74/Case Rd to Redlands Blvd	111,090	2,460	3,660	8,740	108,700	2,460	3,660	8,740	3,620	60	220	390	127,860	2,500	3,950	9,360	126,570	2,490	3,920	9,220	1,460	20	100	180
134		SR-60 to Columbia Ave	178,520	2,250	3,470	7,520	177,330	2,250	3,470	7,520	1,090	80	230	870	200,850	2,210	3,730	8,280	200,260	2,250	3,690	8,110	340	20	80	440
135		Columbia Ave to Center St	149,830	1,980	2,920	6,210	148,820	1,980	2,920	6,210	1,070	80	220	860	169,000	1,910	3,120	6,840	168,470	1,980	3,080	6,670	330	20	80	440
136		Center St to Iowa Ave/La Cadena Dr	149,160	1,960	2,900	6,200	148,080	1,960	2,900	6,200	1,050	80	210	850	168,030	1,900	3,100	6,830	167,580	1,960	3,060	6,660	320	20	70	430
137		Iowa Ave/La Cadena Dr to Barton Rd	145,930	1,950	2,960	6,250	145,120	1,950	2,960	6,250	920	60	180	770	164,230	1,910	3,170	6,900	163,910	1,950	3,130	6,730	260	10	60	400
138		Barton Rd to Mt Vernon Ave/Washington St	152,440	2,030	3,090	6,530	151,690	2,030	3,090	6,530	850	60	170	750	171,020	1,990	3,310	7,200	170,660	2,030	3,270	7,040	230	10	50	390
139		Mt Vernon Ave/Washington St to I-10	153,700	2,040	3,160	6,720	153,080	2,040	3,160	6,720	850	60	170	730	172,250	2,030	3,400	7,410	172,050	2,040	3,360	7,240	220	10	50	370
140		I-10 to Auto Plaza Dr/Orange Show Rd	123,740	1,200	1,790	5,190	122,540	1,200	1,790	5,190	880	60	180	740	137,720	1,130	1,890	5,630	137,390	1,200	1,860	5,460	470	20	80	380
141		Auto Plaza Dr/Orange Show Rd to Mill St	113,020	1,170	1,570	4,720	111,960	1,170	1,570	4,720	870	60	150	680	125,630	1,100	1,650	5,100	125,440	1,170	1,630	4,950	460	20	70	340
142		Mill St to 2rd St	128,820	1,510	2,030	6,010	127,880	1,510	2,030	6,010	860	60	150	670	143,070	1,480	2,150	6,520	142,820	1,510	2,120	6,360	450	20	70	340
143		2rd St to Baseline Rd	110,450	1,470	1,900	5,460	109,830	1,470	1,900	5,460	820	50	140	590	122,890	1,430	2,010	5,900	122,740	1,470	1,980	5,760	440	20	60	290
144		Baseline Rd to Highland Ave/SR-210	116,710	1,810	2,520	9,520	116,140	1,810	2,520	9,520	710	40	110	520	128,960	1,930	2,740	10,430	128,840	1,920	2,720	10,300	390	20	50	260

		2022												2035											
		Two-Way Total 2022 - Daily												Two-Way Total 2035 - Daily											
		No Project				With Project								No Project				With Project							
						Non-Project				Project								Non-Project				Project			
Segment ID EB/NB	Segment	Cars	LT	MT	HT	Cars	LT	MT	HT	Cars	LT	MT	HT	Cars	LT	MT	HT	Cars	LT	MT	HT	Cars	LT	MT	HT
1	SR-71/S Garey Ave to S Reservoir Rd	212,810	2,420	4,570	18,660	210,740	2,430	4,510	18,180	920	100	270	2,800	237,020	2,440	5,120	22,650	234,980	2,430	5,030	21,900	850	80	220	2,490
2	S Reservoir Rd to Ramona Ave	216,750	2,580	4,800	19,560	214,530	2,580	4,730	19,060	780	100	280	2,840	239,400	2,580	5,360	23,650	237,150	2,580	5,260	22,890	660	80	220	2,520
3	Ramona Ave to Central Ave	206,530	2,530	4,670	18,980	204,240	2,530	4,600	18,480	810	100	290	2,870	230,400	2,550	5,260	23,120	228,090	2,530	5,150	22,360	690	80	230	2,550
4	Central Ave to Mountain Ave	216,740	2,700	4,980	20,010	214,310	2,690	4,900	19,500	870	100	300	2,920	238,910	2,730	5,560	24,110	236,470	2,700	5,450	23,330	750	90	250	2,600
5	Mountain Ave to Euclid Ave	211,390	2,630	4,910	19,600	208,870	2,620	4,830	19,070	940	110	320	2,980	236,050	2,680	5,540	23,820	233,590	2,640	5,430	23,050	780	90	260	2,650
6	Euclid Ave to Grove Ave	229,800	2,930	5,360	21,310	227,180	2,890	5,270	20,760	1,000	110	330	3,010	245,580	2,930	5,880	25,130	243,310	2,890	5,780	24,370	800	90	260	2,660
7	Grove Ave to Vineyard Ave	226,400	2,820	5,070	20,220	223,860	2,800	4,980	19,690	1,050	110	340	3,030	241,810	2,830	5,640	24,130	239,500	2,800	5,530	23,370	820	90	270	2,670
8	Vineyard Ave to Archibald Ave	226,100	2,870	5,180	20,250	223,410	2,830	5,090	19,710	1,080	120	350	3,070	240,800	2,880	5,770	24,190	238,280	2,860	5,660	23,430	840	90	270	2,710
9	Archibald Ave to Haven Ave	214,680	2,780	5,050	19,040	211,740	2,730	4,960	18,470	1,160	120	390	3,270	234,270	2,880	5,910	23,460	231,500	2,820	5,790	22,670	930	100	310	2,900
10	Haven Ave to Miliken Ave	197,270	2,550	4,700	17,470	194,380	2,500	4,600	16,910	1,200	130	390	3,290	218,480	2,670	5,590	21,940	215,780	2,610	5,480	21,140	960	100	320	2,920
11	Miliken Ave to SR-15	163,360	2,670	4,620	17,230	160,640	2,610	4,510	16,540	1,260	130	400	3,330	161,830	2,510	4,640	18,000	159,670	2,560	4,550	17,190	1,050	110	330	2,950
12	I-15 to Etiwanda Ave	129,620	2,100	3,770	12,550	126,820	2,040	3,660	11,880	1,860	160	520	3,740	134,330	2,020	3,830	13,570	131,700	2,010	3,710	12,730	1,480	130	420	3,270
13	Etiwanda Ave to Mission Blvd/Country Village Rd	142,920	2,150	3,780	12,590	140,230	2,080	3,660	11,900	1,990	170	560	3,890	141,850	2,010	3,660	12,990	139,060	1,990	3,540	12,150	1,550	140	460	3,400
14	Mission Blvd/Country Village Rd to Pedley Rd	133,350	1,950	3,510	11,680	130,430	1,880	3,390	10,980	2,040	180	590	4,000	131,270	1,830	3,390	11,990	128,390	1,800	3,260	11,150	1,590	150	490	3,520
15	Pedley Rd to Pyrite St	123,660	1,740	3,210	10,830	120,680	1,680	3,090	10,130	2,050	180	590	4,000	125,430	1,670	3,150	11,240	122,550	1,600	3,020	10,400	1,580	150	490	3,530
16	Pyrite St to Valley Way	121,200	1,710	3,210	10,660	118,250	1,640	3,080	9,950	2,230	180	600	4,030	120,770	1,610	3,090	11,010	117,750	1,560	2,960	10,130	1,660	150	500	3,550
17	Valley Way to Rubidoux Blvd	156,430	2,210	3,940	13,000	153,150	2,130	3,810	12,280	2,570	190	640	4,110	170,380	2,280	4,170	13,780	166,470	2,200	4,010	12,860	2,270	180	600	3,830
18	Rubidoux Blvd to Market St	155,900	2,230	3,870	12,420	152,310	2,150	3,730	11,700	2,920	200	670	4,160	167,410	2,290	4,120	13,280	163,240	2,210	3,960	12,370	2,530	190	630	3,880
19	Market St to Main St	181,370	2,840	4,740	14,410	177,420	2,750	4,590	13,680	3,160	220	730	4,290	195,020	2,940	5,110	15,580	190,350	2,840	4,940	14,650	2,680	200	680	3,990
20	Main St to SR-91	205,840	3,400	5,490	15,760	200,790	3,320	5,380	15,680	3,810	260	870	4,810	215,060	3,480	5,910	16,970	210,150	3,380	5,720	16,020	3,090	230	770	4,250
21	SR-91 to W Blaine St/3rd St	236,110	3,220	5,730	19,700	228,310	3,130	5,460	18,310	6,870	420	1,440	7,410	269,140	3,600	6,960	25,580	260,940	3,430	6,640	23,910	5,130	340	1,200	7,000
22	W Blaine St/3rd St to University Ave	223,260	2,870	5,290	17,670	215,330	2,780	5,010	16,290	6,970	430	1,500	7,560	254,880	3,250	6,600	23,680	246,220	3,080	6,260	21,990	5,240	350	1,260	7,160
23	University Ave to Martin Luther King Blvd	232,110	2,950	5,440	17,880	224,430	2,880	5,180	16,610	7,030	440	1,530	7,590	262,200	3,370	6,840	24,110	253,610	3,200	6,500	22,420	5,410	360	1,300	7,240
24	Martin Luther King Blvd to Central Ave	280,270	3,730	6,710	22,540	271,510	3,610	6,430	21,240	7,710	470	1,630	7,830	310,160	4,150	8,160	28,940	302,300	3,990	7,850	27,440	5,970	390	1,390	7,500
25	Central Ave to Fair Isle Dr/Box Springs Rd	263,100	3,390	6,170	20,100	254,400	3,240	5,890	18,770	8,820	510	1,740	8,020	295,240	3,870	7,760	27,270	287,080	3,700	7,440	25,740	7,320	430	1,530	7,850
26	Fair Isle Dr/Box Springs Rd to I-215	254,980	3,200	5,660	19,490	243,950	3,050	5,310	17,940	8,910	500	1,730	7,980	273,330	3,350	6,540	24,670	262,740	3,270	6,230	22,510	6,760	380	1,350	6,790
27	I-215 to Day St	150,070	2,260	3,620	14,540	139,360	2,300	3,320	13,740	11,180	580	1,990	9,150	149,920	2,220	3,790	17,880	140,440	2,300	3,540	16,640	8,230	470	1,670	8,540
28	Day St to Pigeon Pass Rd/Frederick St	150,870	2,350	3,490	15,670	140,200	2,400	3,200	14,870	10,880	600	2,050	9,150	155,160	2,350	3,790	19,010	145,620	2,400	3,540	17,770	8,210	490	1,740	8,540
29	Pigeon Pass Rd/Frederick St to Heacock St	132,200	1,880	2,960	13,410	121,310	1,920	2,660	12,660	11,230	630	2,120	9,210	139,010	1,900	3,250	16,570	129,200	1,920	3,000	15,440	8,220	510	1,770	8,500
30	Heacock St to Perris Blvd	118,420	1,590	2,560	11,590	106,920	1,630	2,270	10,840	12,740	680	2,210	9,440	130,690	1,640	2,890	14,810	120,560	1,630	2,640	13,680	9,300	550	1,840	8,590
31	Perris Blvd to Nason St	101,910	1,150	1,980	9,280	90,780	1,200	1,690	8,590	14,780	760	2,380	9,790	121,610	1,250	2,410	12,850	111,390	1,200	2,140	11,590	10,250	590	1,910	9,310
32	Nason St to Moreno Beach Dr	91,950	950	1,700	8,130	81,870	990	1,410	7,440	15,870	810	2,430	9,790	117,230	1,110	2,180	11,700	107,990	990	1,910	10,440	11,100	630	1,950	9,310
33	Moreno Beach Dr to Redlands Blvd	70,330	480	1,030	5,150	61,050	600	860	4,720	16,880	840	2,470	10,130	99,870	700	1,610	9,030	90,480	600	1,350	7,780	12,250	690	2,080	9,440
34	Redlands Blvd to Theodore St	61,980	640	1,210	6,220	51,090	700	1,000	5,820	17,980	860	2,480	10,220	97,750	940	1,920	10,140	85,920	710	1,590	8,560	12,500	700	2,040	8,930
35	Theodore St to Gilman Springs Rd	61,420	560	1,180	6,050	53,390	660	1,000	5,810	7,250	310	850	2,640	103,400	910	1,970	10,020	92,630	750	1,710	8,860	6,960	300	840	2,510
36	Gilman Springs Rd to Jack Rabbit Trail	56,870	560	1,090	5,410	52,500	480	940	4,630	5,520	210	580	1,340	81,550	670	1,560	9,220	76,250	580	1,400	8,250	6,960	240	680	1,580
37	Jack Rabbit Trail to I-10	54,830	520	1,000	5,300	50,550	460	860	4,630	5,460	200	540	1,290	83,870	730	1,600	9,220	78,690	650	1,450	8,260	6,920	230	660	1,540
75	I-15 to McKinley St	230,070	1,820	3,830	11,840	228,070	1,840	3,770	11,470	1,250	90	350	1,940	254,270	2,010	4,330	15,100	251,570	1,980	4,260	14,780	1,200	90	340	2,060
76	McKinley St to Pierce St	212,360	1,720	3,590	10,980	209,970	1,730	3,520	10,600	1,460	100	380	2,010	231,930	1,880	4,060	14,200	229,060	1,850	3,990	13,870	1,360	100	370	2,130
77	Pierce St to Magnolia Ave	200,070	1,510	3,250	10,490	197,740	1,520	3,180	10,120	1,460	100	380	2,010	219,610	1,680	3,670	13,630	216,840	1,650	3,600	13,300	1,360	100	370	2,130
78	Magnolia Ave to La Sierra Ave	211,040	1,780	3,710	12,030	208,860	1,790	3,630	11,660	1,580	100	390	2,030	227,900	1,920	4,080	15,040	224,730	1,890	4,000	14,720	1,460	100	380	2,140
79	La Sierra Ave to Tyler St	192,210	1,620	3,470	11,180	189,840	1,600	3,390	10,790	1,750	110	410	2,050	208,290	1,720	3,700	13,810	205,020	1,680	3,620	13,490	1,580	100	390	2,170
80	Tyler St to Van Buren Blvd	226,020	1,180	2,690	8,560	223,410	1,190	2,600	8,160	1,930	110	440	2,100	241,610	1,290	2,940	11,270	238,610	1,250	2,870	10,970	1,660	110	410	2,200
81	Van Buren Blvd to Adam St	213,240	1,070	2,440	7,950	210,560	1,060	2,350	7,560	2,080	110	450	2,130	229,370	1,190	2,700	10,670	226,450	1,150	2,630	10,360	1,740	110	420	2,220
82	Adam St to Madison St	200,830	940	2,170	7,220	198,010	940	2,080	6,830	2,180	120	470	2,160	218,760	1,080	2,500	10,060	215,900	1,050	2,430	9,760	1,790	110	440	2,250
83	Madison St to Indiana Ave (off-ramp)	195,570	870	2,110	6,770	192,660	850	2,010	6,370	2,230	120	480	2,190	208,320	980	2,350	9,480	204,860	930	2,260	9,170	1,800	110	440	2,240
84	Arlington Ave to Central Ave	169,300	890	2,060	6,730	166,410	860	1,970	6,350	2,320	120	480	2,180	184,280	990	2,300	8,810	181,750	950	2,230	8,490	1,680	90	380	2,020
85	Central Ave to 14th St	194,990	1,060	2,320	7,610	191,460	1,030	2,230	7,270	2,310	120	490	2,190	213,200	1,190	2,620	9,790	210,270	1,150	2,550	9,530	1,660	100	390	2,030
86	14th St to University Ave	178,240	980	2,140	6,910	175,410	970	2,040	6,560	2,270	110	430	1,990	198,360	1,120	2,430	9,080	194,450	1,070	2,330	8,640	1,670	80	340	1,850
87	University Ave to Spruce St (off-ramp)	222,210	1,270	2,600	8,420	219,270	1,270	2,510	8,070	2,350	110	430	2,000	247,430	1,450	2,950	10,670	243,420	1,400	2,840	10,230	1,820	80	350	1,870
101	SR-60 to Beaumont Ave	141,340	1,280	2,490	17,580	138,900	1,360	2,440	17,310	2,990	110	330	1,070	178,810	1,660	4,040	27,660	176,340	1,630	3,980	27,390	2,970	100	310	1,110
102	Beaumont Ave to Pennsylvania Ave	142,990	1,260	2,560	18,260	140,730	1,340	2,520	17,980	2,170	90	290	1,020	178,130	1,650	4,120	28,940	175,550	1,620	4,060	28,660	2,570	90	280	1,080
103	Pennsylvania Ave to Highland Springs Ave	150,720	1,370	2,750	19,040	148,380	1,440	2,700	18,760	2,170	90	290	1,020	185,610	1,770	4,360	30,090	182,910	1,730	4,300	29,800	2,570	90	280	1,080
104	Highland Springs Ave to Sunset Ave	144,770	1,280	2,650	18,550	142,920	1,330	2,610	18,280	1,630	70	260	1,000	182,280	1,730	4,390	30,150	180,270	1,710	4,340	29,870	2,080	70	260	1,060
105	Sunset Ave to 22nd St	140,300	1,220	2,560	18,190	138,710	1,270	2,520	17,930	1,320	70	240	980	172,310	1,630	4,210	29,590	170,750	1,600	4,170	29,330	1,640	60	230	1,020
106	22nd St to S 8th St	137,880	1,190	2,490	17,970	136,370	1,230	2,460	17,710	1,200	60	230	970	170,000	1,600	4,160	29,460	168,280	1,580	4,110	29,140	1,530	60	220	1,010
107	S 8th St to S Hargrave St	137,230	1,160	2,460	17,960	135,800	1,200	2,430	17,700	990	60	210	940	173,120	1,620	4,180	29,550	171,820	1,600	4,140	29,300	1,430	60	200	990
108	S Hargrave St to Field Rd	127,530	1,040	2,240	16,480	126,130	1,080	2,210	16,230	850	50	190	920	168,070	1,560	4,060	28,410	166,480	1,540	4,020	28,130	1,360	50	190	970
109	Field Rd to Main St (Cabazon)	120,920	960	2,040	15,900	119,640	1,010	2,020	15,660	810	50	170	890	152,350	1,440	3,790	27,690	151,200	1,420	3,750	27,450	1,250	50	160	930
110	Main St (Cabazon) to Main St	108,600	830	1,820	14,440	107,480	880	1,790	14,200	740	50	160	880	156,950	1,360	3,620	26,400	156,030	1,340	3,590	26,160	1,250	50	160	930
111	Main St to Haugen-Lehmann Way	109,660	820	1,830	14,420	108,720	880	1,800	14,180	730	50	160	880	152,910	1,300	3,550	26,030	152,800	1,280	3,530	25,850	1,200	40	150	920
112	Haugen-Lehmann Way to SR-111	109,640	820	1,830	14,410	108,710	880	1,800	14,170	710	50	150	880	162,020	1,350	3,660	26,450	161,460	1,330	3,630	26,210	1,220	50	150	930
113	SR-111 to Tipton Rd	96,760	670	1,520	12,660	96,010	740	1,500	12,450	610	40	120	780	142,380	1,110	3,100	23,840	141,940	1,090	3,080	23,620	1,040	40	120	800
114	Tipton Rd to SR-62	96,630	670	1,520	12,650	95,960	740	1,500	12,430	610	40	120	780	142,710	1,110	3,100	23,840	142,260	1,090	3,080	23,620	1,040	40	120	800
129	Scott Rd to Newport Rd	100,690	930	1,860	4,370	99,220	930	1,820	4,180	1,630	30	160	380	126,650	1,170	2,840	6,740	124,970	1,140	2,770	6,480	1,390	20	130	260
130	Newport Rd to MacCall Blvd	89,270	870	1,700	4,070	87,510	850	1,650	3,870	1,950	40	180	400	111,720	1,150	2,740	6,530	110,360	1,130	2,680	6,270	1,640	30	150	250
131	MacCall Blvd to Ethanac Rd	96,630	1,010	1,850	4,230	94,450	990	1,790	4,020	2,200	50	200	420	116,810	1,280	2,870	6,680	115,360	1,260	2,810	6,410	1,830	30	160	260
132	Ethanac Rd to SR-74/Case	118,400	1,280	2,260	5,260	116,250	1,250	2,210	5,050	2,280	50	200	420	144,220	1,600	3,340	7,810	142,660	1,570	3,270	7,540	1,880	40	170	270
133	SR-74/Case Rd to Redlands Blvd	130,290	2,400	3,950	9,390	128,000	2,460	3,890	9,170	2,330	50	210	430	161,870	2,780	5,160	12,470	160,150	2,760	5,090	12,180	1,880	40	170	270
134	SR-60 to Columbia Ave	202,100	2,220	3,960	8,120	201,140	2,250	3,920	8,120	1,100	50	170	850	231,980	2,560	4,860	11,870	231,330	2,540	4,780	11,530	400	30	90	880
135	Columbia Ave to Center St	171,490	1,950	3,400	6,770	169,980	1,980	3,350	6,720	1,070	50	160	820	179,860	2,050	3,940	9,860	179,180	2,020	3,860	9,540	370	20	80	870
136	Center St to Iowa Ave/La Cadena Dr	169,620	1,930	3,390	6,740	168,550	1,960	3,340	6,700	1,050	50	150	810	198,000	2,260	4,260	10,410	197,480	2,230	4,180	10,070	320	20	80	870
137	Iowa Ave/La Cadena Dr to Barton Rd	167,390	1,950	3,490	6,850	166,580	1,950	3,450	6,810	940	40	120	740	189,100	2,220	4,260	10,340	189,010	2,210	4,190	10,070	280	20	70	810
138	Barton Rd to Mt Vernon Ave/Washington St	173,490	2,020	3,600	7,130	172,730	2,030	3,560	7,100	880	40	120	730	198,060	2,320	4,380	10,640	197,670	2,300	4,320	10,350	270	20	70	800
139	Mt Vernon Ave/Washington St to I-10	174,330	2,050	3,640	7,250	173,820	2,050	3,610	7,230	1,070	40	130	710	207,150	2,440	4,500	10,660	206,710	2,420	4,430	10,380	1,220	60	190	780
140	I-10 to Auto Plaza Dr/Orange Show Rd	142,420	1,210	2,160	5,610	141,430	1,200	2,090	5,330	1,130	50	150	720	188,740	1,600	3,040	9,450	188,200	1,560	2,970	9,030	1,160	60	180	810
141	Auto Plaza Dr/Orange Show Rd to Mill St	128,990	1,160	1,810	4,900	128,070	1,170	1,750	4,720	1,110	50	130	660	166,770	1,540	2,680	8,800	167,310	1,500	2,610	8,390	1,100	60	160	730
142	Mill St to 2rd St	144,120	1,490	2,240	6,150	143,140	1,510	2,190	6,010	1,100	50	130	660	246,370	1,860	3,090	10,100	246,660	1,820	3,030	9,700	1,100	60	160	720
143	2rd St to Baseline Rd	125,640	1,430	2,060	5,490	125,000	1,470	2,010	5,460	1,070	40	120	590	170,720	1,790	2,920	9,780	170,810	1,760	2,860	9,390	1,040	50	150	660
144	Baseline Rd to Highland Ave/SR-210	127,390	1,760	2,560	9,380	127,160	1,810	2,530	9,520	980	40	100	530	177,880	2,200	3,550	14,070	178,340	2,180	3,510	13,710	930	40	120	600

WLC - Daily Link Forecasts - 2012

Segment ID	Segment	From	To	Existing Counts				2012 With Project Forecasts			
				Car	Light Trucks	Medium Trucks	Heavy Trucks	Cars	Light Trucks	Medium Trucks	Heavy Trucks
1	Street A	State Route 60	Eucalyptus Ave	1,882	47	24	65	21,203	1,057	3,089	9,268
2	Street A	Eucalyptus Ave	Street F	319	12	0	6	22,323	1,717	3,238	10,110
3	Street E	west of Street A						8,187	649	1,173	3,540
4	Street E	north of Alessandro Blvd						4,783	1,337	1,422	1,202
5	Street E	Street D	Street A	1,475	12	0	0	9,694	1,489	1,688	1,202
6	Street A	Street F	Street C	378	12	0	6	10,866	691	1,415	4,041
7	Street A	south of Street C						3,133	176	342	848
8	Street D	Street E	Cactus Ave					13,462	507	785	0
9	John F Kennedy Dr	south of Cactus Ave		5,558	30	12	0	12,358	310	619	0
10	Redlands Blvd	Alessandro Blvd	Cactus Ave	6,472	53	12	0	3,106	75	82	0
11	Redlands Blvd	Dracaea Ave	Alessandro Blvd	7,564	24	0	0	4,073	52	47	0
12	Redlands Blvd	Eucalyptus Ave	Dracaea Ave	7,043	224	7	64	7,404	261	49	64
13	Redlands Blvd	State Route 60	Eucalyptus Ave	7,043	224	7	64	9,695	307	163	968
14	Eucalyptus Ave	east of Redlands Blvd						4,839	167	220	904
15	Eucalyptus Ave	west of Street A		1,723	47	12	59	2,477	587	204	900
18	Street B	east of Street A						1,695	137	179	404
18a	Street B	west of Gilman Springs Rd						822	37	69	103
19	Street F	east of Street A						2,814	183	400	1,280
20	Street F	north of Street C						1,935	71	128	49
21	Street C	east of Street A		2,502	47	0	12	12,213	545	1,096	2,220
22	Street C	west of Street F						12,213	545	1,096	2,220
23	Street F	Street C	Street G					5,839	309	663	1,616
24	Street C	Street F	Street H					6,795	218	437	600
25	Street C	Street H	Gilman Springs Rd	1,245	0	0	0	9,484	339	788	1,899
26	Street H	Street C	Street G					4,509	251	531	1,476
27	Street G	east of Street H						3,467	214	420	1,102
28	Street G	Street F	Street H					2,183	115	246	634
29	Gilman Springs Rd	State Route 60	Eucalyptus Ave	10,924	694	39	316	10,967	773	377	1,594
30	Gilman Springs Rd	Eucalyptus Ave	Street C	10,924	694	39	316	11,289	808	435	1,661
31	Gilman Springs Rd	south of Street C		12,909	201	12	12	13,259	239	280	141
32	Cactus Ave	west of Redlands Blvd		1,466	15	3	3	1,906	61	52	0
33	Alessandro Blvd	west of Redlands Blvd		1,929	6	0	3	2,112	25	28	3

35	Redlands Blvd	Ironwood Ave	State Route 60	13,228	177	12	41	13,228	183	63	706
36	Ironwood Ave	Redlands Blvd	Highland Blvd	372	65	0	0	1,688	157	253	0
37	San Timoteo Canyon Rc	West Live Oak Canyon		8,000	35	0	24	8,003	86	213	609
38	Theodore St	State Route 60	Highland Blvd	478	148	6	18	2,756	331	509	19
42	Redlands Blvd	Ironwood Ave	San Timoteo Canyon Rc	14,883	183	3	12	15,391	304	420	676
43	Moreno Beach Dr	Alessandro Blvd	SR 60	18,880	218	12	59	18,959	219	20	115
46	Moreno Beach Dr	State Route 60	Ironwood Ave	10,060	83	0	47	10,499	85	9	65
47	Ironwood Ave	Moreno Beach Dr	Redlands Blvd	3,658	12	24	12	3,755	14	26	12
48	Alessandro Blvd	Lasselle St	Morrison St	8,555	230	12	395	8,676	231	25	442
50	Cactus Ave	Redlands Blvd	Street D	319	12	0	12	13,462	507	785	0
51	Moreno Beach Dr	John F Kennedy Dr	Cactus Ave	13,434	195	0	18	14,648	196	9	18
52	Moreno Beach Dr	John F Kennedy Dr	Oliver St	13,166	91	6	6	20,812	334	586	6
53	John F Kennedy Dr	Oliver St	Moreno Beach Dr	2,301	12	0	12	2,627	26	10	12
54	Locust Ave	Moreno Beach Dr	Smiley Blvd	94	12	0	0	95	12	0	0
55	Locust Ave	Moreno Beach Dr	Redlands Blvd	944	47	0	0	2,044	54	11	0
56	Moreno Beach Dr	Locust Ave	Ironwood Ave	1,847	24	0	0	2,915	26	10	0
57	Live Oak Canyon Rd	North of San Timoteo Canyon		5,499	59	0	0	6,273	147	272	0
58	SR 60 EB Ramps	west of Moreno Beach Dr		12,732	130	0	71	12,975	140	12	118
59	Eucalyptus Ave	Moreno Beach Dr	Quincy Dr	1,310	0	6	0	1,310	0	6	4
60	SR 60 WB Ramps	east of Redlands Blvd		4,602	83	12	12	5,501	129	161	547
61	SR 60 EB Ramps	west of Redlands Blvd		5,806	142	0	12	6,030	158	36	333
62	Fir Ave	Quincy Dr	Redlands Blvd								
65	Alessandro Blvd	Nason St	Oliver St	7,210	201	6	0	8,250	205	24	49
66	Alessandro Blvd	Oliver St	Moreno Beach Dr	6,319	136	0	0	6,568	151	35	50
67	Oliver St	Alessandro Blvd	Cactus Ave	1,422	12	0	0	2,212	12	0	0
68	Moreno Beach Dr	Alessandro Blvd	Cactus Ave	15,210	236	6	35	15,521	236	10	36
69	Cactus Ave	Nason St	Oliver St	7,127	47	12	4	7,629	70	63	4
70	Cactus Ave	Oliver St	Moreno Beach Dr	6,885	53	6	0	8,648	121	96	0
71	Oliver St	Cactus Ave	John F Kennedy Dr	4,909	12	0	0	4,909	12	0	0
72	Oliver St	John F Kennedy Dr	Iris Ave	3,269	12	0	0	3,280	12	0	0
73	Iris Ave	Nason St	Oliver St	7,464	41	6	0	11,249	152	291	0
74	Heacock St	Manzanita Ave	Ironwood Ave	21,004	189	0	12	21,004	191	9	12
75	Ironwood Ave	Graham St	Heacock St	14,207	47	12	0	14,450	58	29	6
76	Ironwood Ave	Heacock St	Indian Ave	11,245	118	0	0	11,246	121	6	0
77	Heacock St	Ironwood Ave	Hemlock Ave	22,149	260	12	12	22,149	264	29	18
80	Heacock St	Hemlock Ave	SR 60 WB Ramps	26,125	212	24	0	26,195	227	56	8
81	SR 60 WB Ramps	west of Heacock St		18,361	283	0	71	18,360	284	0	70
82	SR 60 WB Ramps	east of Heacock St		7,151	71	24	47	7,834	104	84	126

83	Heacock St	SR 60 WB Ramps	SR 60 EB Ramps	26,821	307	18	30	27,099	323	47	69
85	SR 60 WB Onramp	west of Perris Blvd		17,606	165	0	47	17,606	166	0	48
86	SR 60 WB Offramp	east of Perris Blvd		5,829	71	0	0	6,264	124	140	226
87	Eucalyptus Ave	Indian St	Perris Blvd	5,086	24	0	0	5,086	24	0	0
88	Eucalyptus Ave	Perris Blvd	Kitching St	6,384	12	0	12	6,449	16	2	12
95	W 6th St	I-10	N California Ave	1,770	71	0	12	1,917	70	30	38
96	N California Ave	W 6th St	E 8th St	1,204	24	0	59	1,414	24	1	63
97	E 6th St	N California Ave	Beaumont Ave	4,567	94	18	24	4,567	95	22	26
98	N California Ave	W 6th St	I-10	543	0	0	0	549	0	2	12
99	Beaumont Ave	E 6th St	E 8th St	10,502	165	24	35	10,693	166	24	36
100	I-215 SB Ramps	north of Alessandro Blvd		7,151	236	12	35	7,224	236	24	63
101	Alessandro Blvd	Sycamore Canyon Blvd	I-215 SB Ramps	29,500	366	24	30	29,626	366	43	88
102	I-215 SB Ramps	south of Alessandro Blvd		12,201	165	24	0	12,202	166	24	0
103	I-215 NB Ramps	north of Alessandro Blvd		13,853	236	47	142	14,912	246	96	246
104	Alessandro Blvd	I-215 NB Ramps	Old 215 Frontage Rd	25,122	254	12	136	25,158	254	16	188
105	I-215 SB Ramps	south of Alessandro Blvd		11,045	330	0	47	11,384	330	0	48
106	Old 215 Frontage Rd	Eucalyptus Ave	Alessandro Blvd	6,655	71	0	24	6,754	71	1	24
107	Alessandro Blvd	Old 215 Frontage Rd	Day St	22,644	218	12	118	23,106	218	19	170
108	Old 215 Frontage Rd	Alessandro Blvd	Cactus Ave	1,274	124	6	77	1,275	124	6	77
109	Day St	Cottonwood Ave	Alessandro Blvd	1,746	12	0	0	1,767	12	5	0
110	Alessandro Blvd	Day St	Elsworth St	23,612	201	24	59	23,994	201	34	114
111	Elsworth St	Cottonwood Ave	Alessandro Blvd	7,458	94	12	0	7,481	96	13	0
112	Alessandro Blvd	Elsworth St	Frederick St	25,612	177	24	65	25,937	178	43	160
113	Elsworth St	Alessandro Blvd	Cactus Ave	7,145	77	0	35	7,145	79	9	56
114	Frederick St	Cottonwood Ave	Alessandro Blvd	16,343	83	0	12	16,343	85	9	48
115	Alessandro Blvd	Frederick St	Graham St	27,630	218	24	41	28,021	219	35	104
116	Frederick St	Alessandro Blvd	Cactus Ave	9,210	47	0	12	9,243	48	0	16
117	Graham St	Cottonwood Ave	Alessandro Blvd	6,950	35	0	12	7,012	36	0	12
118	Alessandro Blvd	Graham St	Heacock St	26,668	212	24	12	27,009	213	35	76
119	Graham St	Alessandro Blvd	Cactus Ave	6,679	18	0	35	6,808	19	1	38
120	Heacock St	Cottonwood Ave	Alessandro Blvd	14,726	248	24	0	14,726	248	24	38
121	Alessandro Blvd	Heacock St	Indian St	23,559	301	24	53	24,024	301	35	113
122	Heacock St	Alessandro Blvd	Cactus Ave	11,346	112	18	12	11,370	114	20	32
123	Indian St	Cottonwood Ave	Alessandro Blvd	11,942	94	24	47	11,980	95	24	47
124	Alessandro Blvd	Indian St	Perris Blvd	23,181	224	59	47	23,550	224	72	107
125	Indian St	Alessandro Blvd	Cactus Ave	10,378	71	12	24	10,448	72	13	24
126	Alessandro Blvd	Perris Blvd	Kitching St	17,346	142	30	18	17,417	142	37	73
127	Perris Blvd	Alessandro Blvd	Cactus Ave	19,299	224	59	12	19,299	224	60	143

128	Kitching St	Cottonwood Ave	Alessandro Blvd	7,399	35	0	12	7,474	35	0	12
129	Alessandro Blvd	Kitching St	Lasselle St	11,995	165	0	59	12,085	165	11	110
130	Kitching St	Alessandro Blvd	Cactus Ave	7,068	24	0	0	7,168	24	1	0
131	Lasselle St	Cottonwood Ave	Alessandro Blvd	7,375	35	0	12	7,375	36	0	12
133	Lasselle St	Alessandro Blvd	Cactus Ave	11,853	118	0	94	11,853	118	0	95
134	Morrison St	Cottonwood Ave	Alessandro Blvd	1,982	106	0	0	1,990	106	1	2
135	Alessandro Blvd	Morrison St	Nason St	7,924	153	18	277	8,080	155	33	327
136	Nason St	Cottonwood Ave	Alessandro Blvd	8,024	59	0	0	8,024	59	0	0
137	Nason St	Alessandro Blvd	Cactus Ave	7,841	77	6	0	7,841	77	6	0
138	I-215 SB Ramps	north of Cactus Ave		897	71	24	47	1,000	72	32	48
139	Cactus Ave	Meridian Pkwy	I-215 SB Ramps	5,912	165	35	94	6,043	166	39	97
140	I-215 SB Ramps	south of Cactus Ave		18,479	189	47	24	18,814	188	50	26
141	Cactus Ave	I-215 NB Ramps	Elsworth St	22,886	357	27	192	23,098	357	34	192
142	I-215 NB Ramps	south of Cactus Ave		1,215	83	0	71	1,511	86	7	72
143	Cactus Ave	Elsworth St	Frederick St	30,173	295	24	201	30,538	298	46	202
144	Cactus Ave	Frederick St	Graham St	33,365	301	71	148	33,672	305	94	148
145	Cactus Ave	Graham St	Heacock St	27,111	277	24	100	27,421	286	50	100
146	Riverside Dr	Cactus Ave	Meyer Dr	8,732	47	35	0	8,732	47	36	0
147	Cactus Ave	Heacock St	Indian St	17,110	183	0	30	17,476	190	29	30
148	Heacock St	Cactus Ave	John F Kennedy Dr	19,057	189	12	94	19,160	191	15	102
149	Cactus Ave	Indian St	Perris Blvd	15,470	136	0	18	15,980	147	36	18
150	Indian St	Cactus Ave	John F Kennedy Dr	9,086	106	0	12	9,093	106	0	12
151	Cactus Ave	Perris Blvd	Kitching St	15,039	136	0	0	15,615	147	41	0
152	Perris Blvd	Cactus Ave	John F Kennedy Dr	16,532	177	35	30	16,532	177	36	158
153	Cactus Ave	Kitching St	Lasselle St	11,824	41	6	0	12,617	61	52	0
154	Kitching St	Cactus Ave	John F Kennedy Dr	8,213	94	0	0	8,223	95	0	0
155	Cactus Ave	Lasselle St	Morrison St	7,322	35	6	0	8,126	46	44	0
156	Lasselle St	Cactus Ave	John F Kennedy Dr	19,918	142	0	0	19,927	142	23	0
157	Cactus Ave	Morrison St	Nason St	5,050	47	6	0	5,800	57	43	0
158	E 6th St	Beaumont Ave	Pennsylvania Ave	9,782	153	35	12	9,815	153	39	21
159	Beaumont Ave	E 6th St	I-10	8,272	59	0	47	8,510	59	0	53
160	Kitching St	Gentian Ave	Iris Ave	5,475	83	0	12	5,476	82	0	12
161	Iris Ave	Perris Blvd	Kitching St	16,644	142	30	30	17,390	199	217	30
162	Iris Ave	Kitching St	Lasselle St	17,741	136	12	0	21,254	252	374	0
163	Kitching St	Iris Ave	Ivory Ave	13,482	207	0	0	15,038	260	168	0
164	Lasselle St	Gentian Ave	Iris Ave	19,446	83	0	0	19,446	83	2	0
165	Iris Ave	Lasselle St	Nason St	9,770	35	0	0	13,456	141	281	0
168	Krameria Ave	Perris Blvd	Lasselle St	6,632	118	18	0	11,086	190	196	0

169	Krameria Ave	Kitching St	Lasselle St	4,354	12	0	0	4,355	22	3	0
170	Kitching St	Krameria Ave	Lurin Ave	21,169	201	12	0	21,170	200	12	0
171	Lasselle St	Cahuilla Dr	Krameria Ave	17,629	112	0	0	20,796	198	189	0
172	Lasselle St	Krameria Ave	Arroyo Park Dr	6,761	71	0	12	9,935	143	182	12
173	Oleander Ave	Perris Blvd	Lasselle St								
174	Oleander Ave	Lasselle St	Lake Perris Dr								
177	San Timoteo Canyon Rc	Alessandro Rd	Live Oak Canyon Rd	11,883	65	0	12	12,650	203	484	598
178	Live Oak Canyon Rd	San Timoteo Canyon Rd	I-10	3,339	47	0	12	3,400	61	55	88
179	San Timoteo Canyon Rc	Live Oak Canyon Rd	Redlands Blvd	13,924	112	0	6	14,786	268	540	668
180	San Timoteo Canyon Rc	Redlands Blvd	Woodhouse Rd	2,030	0	0	0	2,052	0	0	0
181	Potrero Blvd	north of SR 60 WB Ramps									
182	SR 60 WB Onramp	west of Potrero Blvd									
183	SR 60 WB Offramp	east of Potrero Blvd									
184	SR 60 EB Offramp	west of Potrero Blvd									
185	SR 60 EB Onramp	east of Potrero Blvd									
186	Potrero Blvd	south of SR 60 EB Ramps	W 4th St								
190	Gilman Springs Rd	Jack Rabbit Trail	Bridge St	12,520	224	47	35	12,937	248	285	150
191	Gilman Springs Rd	Bridge St	Beaumont Ave	11,906	189	47	35	11,920	194	254	114
192	Bridge St	Gilman Springs Rd	Marvin Rd	1,062	35	0	24	1,815	54	34	66
194	Crescent Ave	West of Alessandro Rd		2,006	12	0	0	2,324	43	100	0
195	Crescent Ave	Alessandro Rd	Center St	5,971	12	0	0	6,139	55	151	0
196	Alessandro Rd	Crescent Ave	Sunset Dr	5,699	30	0	0	6,218	107	251	0
198	Sunset Dr	Crown St	Alessandro Rd	260	0	0	0	324	4	8	0
199	Sunset Dr	Alessandro Rd	Cameo Dr	460	0	0	0	652	6	12	0
200	Alessandro Rd	Sunset Dr	San Timoteo Canyon Rc	5,723	35	0	0	6,498	124	272	0
205	Reche Canyon Rd	Keissel Rd	Reche Vista Dr	18,573	94	0	0	18,667	104	55	0
206	Reche Canyon Rd	Reche Vista Dr	High Country Dr	248	24	0	0	248	24	0	0
207	Reche Vista Dr	Heacock St	Reche Canyon Rd	18,538	118	0	0	18,647	129	55	0
215	Mission Grove Pkwy	Cannon Rd	Alessandro Blvd	7,092	24	0	0	7,096	24	0	0
216	Alessandro Blvd	Trautwein Rd	Vista Grande Dr	42,834	291	12	8	42,927	291	16	22
217	Mission Grove Pkwy	Alessandro Blvd	Northrop Dr	13,995	106	0	0	14,539	107	26	35
218	Alessandro Blvd	Canyon Crest Dr	Trautwein Rd	49,554	389	12	6	49,554	390	12	8
219	Trautwein Rd	Alessandro Blvd	Orange Terrace Pkwy	10,537	71	0	0	10,554	71	0	1
221	Canyon Crest Dr	Central Ave	Alessandro Blvd	11,116	94	0	0	11,129	94	0	0
223	Canyon Crest Dr	Alessandro Blvd	Sandtrack Rd	389	0	0	0	391	0	0	0
225	Via Vista Dr	Alessandro Blvd	Canyon Crest Dr	2,490	12	0	0	2,489	12	0	0
226	Alessandro Blvd	Century Ave	Canyon Crest Dr	47,829	330	8	4	47,829	330	8	7
227	Via Vista Dr	Alessandro Blvd	Canyon Hill Dr	3,434	0	0	0	3,434	0	0	0

229	Century Ave	Alessandro Blvd	Claridge Dr	1,333	0	0	0	1,334	0	0	0
230	Century Ave	Trafalgar Ave	Alessandro Blvd	1,003	0	0	0	1,003	0	0	0
231	Alessandro Blvd	Victoria Ave	Arlington Ave/Chicago	34,845	59	59	71	34,966	59	71	127
232	Chicago Ave	Alessandro Blvd	Central Ave	28,544	201	9	18	28,766	201	71	200
233	Alessandro Blvd	Arlington Ave/Chicago Ave	Century Ave	50,284	256	31	31	50,284	256	31	34
236	Victoria Ave	Central Ave	Arlington Ave	6,891	59	24	0	6,943	59	25	3
237	Arlington Ave	Victoria Ave	Alessandro Blvd	34,432	207	30	30	34,433	207	67	155
238	Victoria Ave	Arlington Ave	Maude St	12,437	224	24	0	12,559	224	41	24
239	Arlington Ave	Maude St	Victoria Ave	30,031	215	12	6	30,031	215	28	104
240	Durango Rd	Laramie Rd	Arlington Ave	1,876	0	0	0	1,876	0	0	0
241	Horace St	Arlington Ave	Victoria Ave	3,788	47	0	0	3,788	47	0	0
242	Arlington Ave	Magnolia Ave	SR-91 WB On-Ramps	32,592	338	0	16	32,606	338	16	96
243	Riverside Dr	SR-91 WB Off-Ramps	Arlington Ave	10,561	106	6	0	10,591	106	7	7
244	SR-91 WB On-Ramps	Arlington Ave	SR-91	17,417	142	0	0	17,416	142	12	160
245	SR-91 EB On-Ramps	SR-91	Arlington Ave	20,485	260	0	71	20,484	260	0	82
246	Indiana Ave	Arlington Ave	SR-91 EB Off-Ramps	15,458	224	12	12	15,458	224	12	12
247	Arlington Ave	SR-91 WB On-Ramps	SR-91 EB On-Ramps	34,775	366	12	24	34,775	366	31	136
250	Country Club Dr	Chicago Ave	Canyon Crest Dr	2,183	24	0	0	2,183	24	0	0
252	Central Ave	Chicago Ave	Canyon Crest Dr	20,547	133	0	9	20,920	139	76	196
254	Canyon Crest Dr	Martin Luther King Blvd	Central Ave	16,803	177	24	24	16,803	177	24	24
256	Canyon Crest Dr	Central Ave	Country Club Dr	17,393	83	24	24	17,436	82	24	25
258	El Cerrito Dr	Canyon Crest Dr	Central Ave	6,136	24	0	12	6,159	24	0	12
260	Central Ave	Canyon Crest Dr	I-215	19,806	153	0	9	20,604	165	81	204
261	Lochmoor Dr	Central Ave	Fair Isle Dr	3,522	18	0	0	3,523	18	7	15
262	Sycamore Canyon Blvd	Central Ave	College Blvd	10,478	118	0	0	11,160	118	9	13
263	Central Ave	Sycamore Canyon Blvd	I-215 SB Ramps	14,726	77	6	6	15,165	77	78	209
264	I-215 SB Off-Ramps	I-215	Central Ave	2,478	47	24	0	2,478	48	32	68
265	Central Ave	I-215 SB Ramps	I-215 NB Ramps	14,620	18	24	12	14,621	18	69	169
266	I-215 SB On-Ramps	Central Ave	I-215	21,264	94	0	24	22,138	108	114	242
267	Watkins Dr	I-215 NB On-Ramp	I-215 NB Off-Ramp	12,661	12	12	0	12,662	12	18	25
268	I-215 NB Off-Ramp	Watkins Dr	I-215	5,157	0	12	12	5,157	3	56	161
269	Martin Luther King Blvd	SR-91	Chicago Ave	29,382	283	12	12	29,564	283	101	305
270	Chicago Ave	University Ave	Martin Luther King Blvd	22,880	271	0	12	22,881	271	0	12
271	Martin Luther King Blvd	Chicago Ave	Iowa Ave	25,724	177	6	0	25,877	177	95	293
272	Chicago Ave	Martin Luther King Blvd	Central Ave	23,936	171	0	6	23,936	171	0	6
273	Iowa Ave	University Ave	Martin Luther King Blvd	13,476	83	0	0	13,557	82	0	0
274	Martin Luther King Blvd	Iowa Ave	Canyon Crest Dr	31,901	230	12	0	32,031	231	102	294
275	Canyon Crest Dr	Campus Dr	Martin Luther King Blvd	11,352	106	0	0	11,456	107	0	0

276	Martin Luther King Blvd	Canyon Crest Dr	I-215 SB Ramps	26,391	189	18	0	26,607	189	88	279
277	Canyon Crest Dr	Martin Luther King Blvd	Central Ave	22,715	177	0	0	22,715	177	0	0
278	I-215 SB Off-Ramp	I-215	Martin Luther King Blvd	5,971	24	0	0	5,982	24	0	0
279	Martin Luther King Blvd	I-215 SB Ramps	I-215 NB Ramps	8,626	106	0	0	8,996	112	37	140
280	I-215 SB On-Ramp	Martin Luther King Blvd	I-215	29,712	142	24	0	29,814	146	126	308
281	I-215 NB On-Ramp	I-215	Martin Luther King Blvd	9,440	24	0	0	9,440	24	0	14
282	I-215 NB Off-Ramp	Martin Luther King Blvd	I-215	7,764	189	0	0	8,504	200	74	266
283	SR-60 EB Off-Ramp	SR-60	Heacock St	22,444	94	24	24	22,444	94	24	24
284	SR-60 EB On-Ramp	Heacock St	SR-60	7,694	71	0	47	8,498	106	58	122
285	Heacock St	SR-60 EB Ramps	Sunnymead Blvd	25,441	260	12	35	25,441	264	29	86
286	Perris Blvd	Hemlock Ave	SR-60 WB Ramps	29,028	283	24	12	29,422	310	101	19
287	Perris Blvd	SR-60 WB Ramps	Sunnymead Blvd	32,190	236	71	35	32,512	258	127	149
288	Sunnymead Blvd	SR-60 WB Off-Ramp	Perris Blvd	22,703	59	153	118	22,746	62	166	122
289	Sunnymead Blvd	Perris Blvd	SR-60 WB On-Ramp	17,098	94	35	35	17,589	122	101	113
290	Perris Blvd	Sunnymead Blvd	Fir Ave	27,022	130	142	118	27,022	131	155	280
294	Via Del Lago	South of Iris Ave		791	24	0	0	791	24	2	0
301	John F. Kennedy Dr	Indian St	Perris Blvd	9,475	12	0	0	9,815	25	12	0
302	John F. Kennedy Dr	Perris Blvd	Kitching St	9,381	47	0	0	9,638	52	11	0
303	Perris Blvd	John F. Kennedy Dr	Iris Ave	15,476	136	94	83	15,476	136	95	209
304	Iris Ave	Indian St	Perris Blvd	12,827	59	12	47	13,003	69	36	47
306	Perris Blvd	Iris Ave	Krameria Ave	15,930	201	89	71	16,165	213	222	195
307	Perris Blvd	Krameria Ave	Harley Know Blvd	15,623	212	94	47	17,282	257	350	171
324	Ramona Expy	Warren Rd	Sanderson Ave	13,735	260	83	271	14,283	259	83	315
325	Sanderson Ave	Gilman Springs Rd	Ramona Expy	27,258	413	35	519	27,444	413	35	634
326	Ramona Expy	Sanderson Ave	State St	14,974	283	71	165	15,035	283	71	178
327	Sanderson Ave	Ramona Expy	Ramona Blvd	17,688	201	24	177	18,161	201	56	305
340	Alessandro Blvd	South of San Timoteo Canyon Rd		366	0	0	0	366	0	0	0
351	Live Oak Canyon Rd	South of San Timoteo Canyon Rd		236	0	0	0	236	0	0	0
358	Gilman Springs Rd	Bridge St	SR-79 SB Ramps	12,201	201	35	35	12,218	205	242	114
359	SR-79 SB Off-Ramp	SR-79	Gilman Springs Rd	5,192	94	0	0	5,340	94	0	2
360	Gilman Springs Rd	SR-79 SB Ramps	SR-79 NB Ramps	11,057	148	35	18	11,057	151	168	57
361	SR-79 SB On-Ramp	Gilman Springs Rd	SR-79	7,245	165	24	24	7,246	176	142	116
362	SR-79 NB On-Ramp	SR-79	Gilman Springs Rd	2,195	59	12	35	2,195	59	12	35
363	Gilman Springs Rd	SR-79 NB Ramps	Record Rd	11,186	212	35	12	11,187	212	96	12
364	SR-79 NB Off-Ramp	Gilman Springs Rd	SR-79	1,782	24	0	12	1,782	29	56	56
365	Alessandro Blvd	Sycamore Canyon Blvd	Vista Grande Dr	37,972	437	24	24	38,429	437	51	81
366	Sycamore Canyon Blvd	Eastridge Ave	Alessandro Blvd	3,493	165	47	71	3,492	166	48	82
367	Meridian Pkwy	Alessandro Blvd	Cactus Ave	4,354	47	0	35	4,354	48	0	36

375	Mid County Pkwy WB O	Mid County Pkwy	3rd St								
376	3rd St	Marvin Rd	Mid County Pkwy WB Ramps								
377	Mid County Pkwy WB O	Mid County Pkwy	3rd St								
378	3rd St	Mid County Pkwy EB Ramps	Mid County Pkwy WB Ramps								
379	Mid County Pkwy EB Of	Mid County Pkwy	3rd St								
380	Mid County Pkwy EB Or	3rd St	Mid County Pkwy								
381	3rd St	Mid County Pkwy EB Ramps	MM Blvd								
386	Harley Know Blvd	Indian St	Perris Blvd	4,449	83	71	142	4,460	82	71	142
387	Perris Blvd	Krameria Ave	Harley Know Blvd	13,735	189	47	307	14,550	222	266	402
388	Krameria Ave	Lasselle St	Spirit Rd	1,947	0	0	0	1,947	0	0	0
389	El Cerrito Dr	South of Central Ave		2,584	12	0	0	2,585	12	0	0
390	Ramona Expy	Webster Ave	Indian St	26,939	472	106	861	27,341	472	128	884
392	Ramona Expy	Indian St	Perris Blvd	26,833	401	118	490	26,834	402	190	538
393	Indian St	Ramona Expy	Morgan St	2,808	212	59	413	2,808	217	136	463
394	Perris Blvd	Harley Know Blvd	Ramona Expy	13,971	171	77	254	14,397	203	294	343
396	Perris Blvd	Ramona Expy	Rider St	15,145	227	30	89	16,356	252	192	133
397	Ramona Expy	Perris Blvd	Evans Rd	24,007	295	89	307	24,693	297	162	334
398	Evans Rd	Marbella Gate	Ramona Expy	9,039	106	6	0	10,268	137	92	0
399	Ramona Expy	Evans Rd	Rider St	16,898	307	59	224	17,127	307	59	252
400	Evans Rd	Ramona Expy	Rider St	11,983	106	9	6	12,746	112	29	6
401	Morgan St	Indian St	Perris Blvd	661	83	35	71	661	83	35	71
402	Morgan St	Perris Blvd	Silver Creek Industries	743	71	24	0	748	70	24	0
404	Morgan St	Morgan Park	Evans Rd	3,186	12	12	0	3,190	12	12	0
405	Morgan St	Evans Rd	Bradley Rd	3,151	12	0	12	3,150	12	0	12
406	Ironwood Ave	East of Thedore St		201	118	12	0	201	119	14	2
407	Rider St	Indian St	Perris Blvd	2,797	35	0	24	2,839	36	0	25
408	Rider St	Perris Blvd	Redlands Ave	8,130	94	0	0	8,130	95	0	0
409	Ironwood Ave	Nason St	Moreno Beach Dr	5,074	0	47	0	5,748	6	58	0
410	Rider St	Wilson Ave	Evans Rd	11,717	59	0	12	11,916	59	0	12
411	Rider St	Evans Rd	Ramona Expy	6,124	24	0	24	6,125	24	0	24
412	Maude St	North of Arlington Ave		212	0	0	0	212	0	0	0
413	Placentia Ave	Indian St	Perris Blvd	1,156	47	0	0	1,157	48	4	4
414	Placentia Ave	Perris Blvd	Redlands Ave	3,446	12	0	0	3,446	12	0	0
415	Perris Blvd	Placentia Ave	Orange Ave	6,804	91	2	5	7,286	96	60	15
416	Mid County Pkwy WB O	Mid County Pkwy	Perris Blvd								
417	Mid County Pkwy WB O	Perris Blvd	Mid County Pkwy								
419	Mid County Pkwy EB Of	Mid County Pkwy	Perris Blvd								
420	Mid County Pkwy EB Or	Perris Blvd	Mid County Pkwy								

421	Via Del Lago	South of Iris Ave		378	0	0	0	378	0	0	0
424	Perris Blvd	Alessandro Blvd	Cottonwood Ave	20,992	142	118	24	20,992	142	118	176
425	Mid County Pkwy WB O	West of Evan									
426	Mid County Pkwy WB O	East of Evan									
427	Day St	south of Alessandro Blvd		566	12	0	59	650	12	1	62
428	Mid County Pkwy EB Of	West of Evan									
429	Mid County Pkwy EB Or	East of Evan									
430	Alessandro Blvd	SR-215 NB Ramp	SR-215 SB Ramp	27,529	330	12	77	27,550	331	31	130
431	Placentia Ave	Water Ave	Evans Rd								
432	Placentia Ave	Evans Rd	El Nido Ave								
433	Evans Rd	Rider St	Orange Ave	1,499	9	0	0	1,577	9	2	0
434	Orange Ave	Wilson Ave	Evans Rd	4,791	59	0	12	4,829	59	0	12
435	Orange Ave	Evans Rd	Foothill Dr	2,738	24	0	12	2,807	24	0	12
436	Elsworth St	south of Cactus Ave		9,428	24	0	35	9,428	24	0	36
441	Nuevo Rd	Wilson Ave	Evans Rd	13,853	71	24	59	13,853	71	24	59
442	Evans Rd	Orange Ave	Nuevo Rd	5,115	12	0	6	5,231	12	3	6
443	Nuevo Rd	Evans Rd	Foothill Dr	10,714	47	24	47	10,808	47	24	47
444	Evans Rd	Nuevo Rd	San Jacinto Ave								
452	San Jacinto Ave	West of Evan Rd									
453	Evans Rd	North of San Jancito Ave									
454	San Jacinto Ave	East of Evan Rd									
455	Evans Rd	South of San Jancito Ave									
458	Nason St	South of Cactus Ave		1,109	24	0	0	1,109	24	0	0
464	Quincy	South of Eucalyptus									
477	Ellis Ave	West of Evan Rd									
478	Evans Rd	North of Ellis Ave									
479	Oliver St	South of Irris Ave		2,620	24	12	0	2,620	24	12	0
480	Ellis Ave	Evans Rd	SR-215								
481	SR-215 SB Off-ramp	SR-215	Ellis Ave								
482	Ellis Ave	East of SR-215									
483	SR-215 SB On-ramp	Ellis Ave	SR-215								
484	SR-215 NB On-ramp	Ellis Ave	SR-215								
485	SR-215 NB Off-ramp	SR-215	Ellis Ave								
488	Nason St	North of Iris Ave									
494	Evans Rd	North of Harley Knox Blvd									
498	Morrison St	Alessandro Blvd	Cactus Ave								
499	Perris Blvd	Eucalyptus Ave	Cottonwood Ave	24,497	177	12	0	24,497	177	15	158
500	Perris Blvd	North of Eucalyptus Ave		25,653	189	12	12	25,653	190	17	170

502	Quincy	Cottonwood Ave	Alessandro Blvd								
503	Quincy	Alessandro Blvd	Cactus Ave								
504	Krameria Ave	west of Perris Blvd		3,516	47	24	0	3,603	53	34	0

WLC - Daily Link Forecasts - 2017

Segment ID	Segment	From	To	2017 No Project Forecasts				2017 With Project Project Only Trips				2017 With Project Non-Project Only Trips			
				Cars	Light Trucks	Medium Trucks	Heavy Trucks	Cars	Light Trucks	Medium Trucks	Heavy Trucks	Cars	Light Trucks	Medium Trucks	Heavy Trucks
1	Street A	State Route 60	Eucalyptus Ave	6,364	106	131	278	13,803	574	1,932	6,258	6,984	0	55	16
2	Street A	Eucalyptus Ave	Street F	968	18	8	16	13,742	1,107	2,002	6,379	2,628	25	20	20
3	Street E	west of Street A						8,233	588	1,179	3,738	0	0	0	0
4	Street E	north of Alessandro Blvd						4,741	184	363	68	0	1	0	0
5	Street E	Street D	Street A	2,265	16	7	0	3,057	113	227	55	3,801	21	14	0
6	Street A	Street F	Street C	1,027	18	8	16	6,029	325	610	1,334	2,699	24	18	20
7	Street A	south of Street C													
8	Street D	Street E	Cactus Ave					7,200	281	555	0	2,611	28	26	0
9	John F Kennedy Dr	south of Cactus Ave		5,567	30	12	0	4,363	160	390	0	5,030	18	27	0
10	Redlands Blvd	Alessandro Blvd	Cactus Ave	6,486	53	12	0	1,117	40	70	0	2,274	23	23	0
11	Redlands Blvd	Dracaea Ave	Alessandro Blvd	7,564	24	0	0	357	14	35	0	3,319	31	25	0
12	Redlands Blvd	Eucalyptus Ave	Dracaea Ave	8,343	257	42	70	501	38	76	0	7,842	239	31	70
13	Redlands Blvd	State Route 60	Eucalyptus Ave	8,343	257	42	70	501	38	76	0	7,842	239	31	70
14	Eucalyptus Ave	east of Redlands Blvd													
15	Eucalyptus Ave	west of Street A		6,252	114	122	257	443	547	169	475	6,578	0	53	5
18	Street B	east of Street A													
18a	Street B	west of Gilman Springs Rd													
19	Street F	east of Street A						0	0	0	0	0	0	0	0
20	Street F	north of Street C						0	0	0	0	0	0	0	0
21	Street C	east of Street A		4,674	53	15	32	2,418	53	156	211	6,654	42	18	44
22	Street C	west of Street F						2,418	53	156	211	2,329	19	20	23
23	Street F	Street C	Street G					8	7	2	6	69	0	1	4
24	Street C	Street F	Street H					2,298	29	86	107	0	0	0	0
25	Street C	Street H	Gilman Springs Rd	2,329	3	8	11	2,413	25	88	130	2,177	0	0	0
26	Street H	Street C	Street G												
27	Street G	east of Street H													
28	Street G	Street F	Street H												
29	Gilman Springs Rd	State Route 60	Eucalyptus Ave	14,025	763	43	382	155	4	15	46	13,971	759	37	339
30	Gilman Springs Rd	Eucalyptus Ave	Street C	14,025	763	43	382	155	4	15	46	13,971	759	37	339
31	Gilman Springs Rd	south of Street C		17,085	200	18	68	2,561	49	169	212	18,786	213	17	38
32	Cactus Ave	west of Redlands Blvd		1,628	16	4	3	1,466	40	46	0	608	0	0	0
33	Alessandro Blvd	west of Redlands Blvd		2,335	8	2	3	670	18	20	0	1,471	0	0	3
35	Redlands Blvd	Ironwood Ave	State Route 60	13,622	177	27	69	593	17	48	336	14,908	190	0	45
36	Ironwood Ave	Redlands Blvd	Highland Blvd	699	69	9	0	1,629	65	179	0	1,285	71	4	0
37	San Timoteo Canyon Rd	West Live Oak Canyon		8,125	35	14	44	634	37	149	296	8,727	30	5	34
38	Theodore St	State Route 60	Highland Blvd	1,138	154	23	18	2,592	118	332	1	1,355	153	15	17
42	Redlands Blvd	Ironwood Ave	San Timoteo Canyon Rd	16,128	183	36	40	1,499	80	254	335	17,192	180	0	16
43	Moreno Beach Dr	Alessandro Blvd	SR 60	19,396	223	24	64	106	5	4	25	21,065	237	23	80
46	Moreno Beach Dr	State Route 60	Ironwood Ave	14,940	123	77	142	97	5	5	42	17,762	120	69	95
47	Ironwood Ave	Moreno Beach Dr	Redlands Blvd	4,081	13	24	12	220	4	4	0	4,510	11	24	12
48	Alessandro Blvd	Lasselle St	Morrison St	9,300	231	28	417	314	7	13	14	10,033	250	18	458
50	Cactus Ave	Redlands Blvd	Street D	318	12	0	12	7,200	281	555	0	2,611	28	26	0
51	Moreno Beach Dr	John F Kennedy Dr	Cactus Ave	14,421	201	19	18	0	0	0	0	15,569	218	12	18
52	Moreno Beach Dr	John F Kennedy Dr	Oliver St	13,166	92	21	6	3,876	128	372	0	14,121	83	9	6
53	John F Kennedy Dr	Oliver St	Moreno Beach Dr	3,993	19	4	12	436	29	16	0	4,407	1	0	12

54	Locust Ave	Moreno Beach Dr	Smiley Blvd	95	12	0	0	0	0	0	0	107	12	0	0
55	Locust Ave	Moreno Beach Dr	Redlands Blvd	2,127	55	11	0	35	2	1	0	3,467	66	26	0
56	Moreno Beach Dr	Locust Ave	Ironwood Ave	3,061	32	11	0	0	0	0	0	4,457	31	26	0
57	Live Oak Canyon Rd	North of San Timoteo Canyon		6,316	59	20	0	1,015	49	149	0	6,682	45	9	0
58	SR 60 EB Ramps	west of Moreno Beach Dr		14,162	140	8	71	24	1	1	0	17,285	156	17	83
59	Eucalyptus Ave	Moreno Beach Dr	Quincy Dr	3,171	25	57	72	0	0	0	51	3,436	12	41	0
60	SR 60 WB Ramps	east of Redlands Blvd		5,128	91	25	25	388	26	62	172	5,104	85	17	18
61	SR 60 EB Ramps	west of Redlands Blvd		6,133	147	11	26	683	28	61	165	7,048	146	0	18
62	Fir Ave	Quincy Dr	Redlands Blvd												
65	Alessandro Blvd	Nason St	Oliver St	12,152	226	42	7	468	10	19	20	14,179	235	32	16
66	Alessandro Blvd	Oliver St	Moreno Beach Dr	7,319	140	7	7	552	15	31	20	8,221	146	3	16
67	Oliver St	Alessandro Blvd	Cactus Ave	3,866	23	5	0	0	0	0	0	4,697	18	0	0
68	Moreno Beach Dr	Alessandro Blvd	Cactus Ave	16,992	248	30	36	0	0	0	0	18,980	260	30	36
69	Cactus Ave	Nason St	Oliver St	8,078	50	13	4	837	30	56	0	8,649	43	12	4
70	Cactus Ave	Oliver St	Moreno Beach Dr	7,783	57	10	0	1,255	46	84	0	9,133	58	8	0
71	Oliver St	Cactus Ave	John F Kennedy Dr	7,641	12	0	0	0	0	0	0	8,248	12	0	0
72	Oliver St	John F Kennedy Dr	Iris Ave	4,147	12	0	0	0	0	0	0	4,708	12	0	0
73	Iris Ave	Nason St	Oliver St	14,118	102	57	0	3,801	126	370	0	15,883	70	49	0
74	Heacock St	Manzanita Ave	Ironwood Ave	21,665	190	8	12	312	6	7	1	23,717	209	10	11
75	Ironwood Ave	Graham St	Heacock St	14,518	50	13	0	97	3	6	2	16,273	47	14	0
76	Ironwood Ave	Heacock St	Indian Ave	11,477	119	0	0	24	1	3	0	13,036	142	3	0
77	Heacock St	Ironwood Ave	Hemlock Ave	23,418	263	22	12	408	9	9	5	25,417	278	22	10
80	Heacock St	Hemlock Ave	SR 60 WB Ramps	27,533	221	38	0	512	12	14	3	29,924	240	30	0
81	SR 60 WB Ramps	west of Heacock St		18,360	284	0	70	0	0	0	0	20,626	306	0	70
82	SR 60 WB Ramps	east of Heacock St		9,472	82	58	102	750	21	38	95	7,852	83	58	79
83	Heacock St	SR 60 WB Ramps	SR 60 EB Ramps	29,045	318	42	58	358	11	19	48	30,893	338	38	45
85	SR 60 WB Onramp	west of Perris Blvd		17,606	174	24	50	0	0	0	0	21,310	188	24	48
86	SR 60 WB Offramp	east of Perris Blvd		6,836	70	22	62	857	36	68	238	5,965	56	0	0
87	Eucalyptus Ave	Indian St	Perris Blvd	5,420	26	2	0	6	0	0	0	6,180	24	0	0
88	Eucalyptus Ave	Perris Blvd	Kitching St	7,273	20	7	12	24	1	1	0	8,425	11	0	12
95	W 6th St	I-10	N California Ave	1,818	70	0	12	394	10	28	20	1,810	69	0	12
96	N California Ave	W 6th St	E 8th St	1,533	24	0	59	330	7	11	9	1,491	22	0	58
97	E 6th St	N California Ave	Beaumont Ave	4,567	95	18	24	42	2	6	4	5,120	106	19	25
98	N California Ave	W 6th St	I-10	543	0	0	0	28	1	9	6	666	2	0	5
99	Beaumont Ave	E 6th St	E 8th St	10,896	166	24	38	66	1	2	2	12,330	189	23	35
100	I-215 SB Ramps	north of Alessandro Blvd		7,314	237	23	52	123	4	10	16	8,013	258	21	43
101	Alessandro Blvd	Sycamore Canyon Blvd	I-215 SB Ramps	32,744	370	86	90	297	8	20	36	37,029	406	86	105
102	I-215 SB Ramps	south of Alessandro Blvd		12,202	166	24	0	0	0	0	0	13,582	188	24	0
103	I-215 NB Ramps	north of Alessandro Blvd		13,854	236	64	170	334	9	23	40	15,600	261	49	160
104	Alessandro Blvd	I-215 NB Ramps	Old 215 Frontage Rd	31,364	291	130	260	107	2	7	24	35,920	291	103	243
105	I-215 SB Ramps	south of Alessandro Blvd		11,044	330	8	70	0	0	0	0	12,264	356	28	100
106	Old 215 Frontage Rd	Eucalyptus Ave	Alessandro Blvd	7,082	72	5	24	8	0	1	0	7,940	83	12	24
107	Alessandro Blvd	Old 215 Frontage Rd	Day St	28,209	258	96	242	124	2	9	24	33,905	267	105	219
108	Old 215 Frontage Rd	Alessandro Blvd	Cactus Ave	3,662	146	50	77	7	0	2	0	3,475	148	35	83
109	Day St	Cottonwood Ave	Alessandro Blvd	2,652	20	8	0	17	1	5	0	3,582	11	0	0
110	Alessandro Blvd	Day St	Elsworth St	28,198	223	84	150	119	2	8	17	33,066	232	95	152
111	Elsworth St	Cottonwood Ave	Alessandro Blvd	7,458	100	13	0	0	0	0	0	8,260	106	12	0
112	Alessandro Blvd	Elsworth St	Frederick St	30,220	203	86	160	126	3	13	43	35,290	220	94	161
113	Elsworth St	Alessandro Blvd	Cactus Ave	7,831	94	18	47	10	1	7	13	9,035	100	10	46
114	Frederick St	Cottonwood Ave	Alessandro Blvd	20,800	104	28	27	18	1	6	25	23,228	105	20	9
115	Alessandro Blvd	Frederick St	Graham St	30,306	245	78	132	129	2	8	20	34,868	256	71	107

116	Frederick St	Alessandro Blvd	Cactus Ave	14,843	60	29	16	1	0	1	1	16,729	65	23	35
117	Graham St	Cottonwood Ave	Alessandro Blvd	9,623	47	5	12	16	0	0	0	10,887	48	0	12
118	Alessandro Blvd	Graham St	Heacock St	32,392	247	85	83	158	3	9	21	35,815	248	75	63
119	Graham St	Alessandro Blvd	Cactus Ave	14,026	46	32	41	14	0	1	0	17,633	42	35	42
120	Heacock St	Cottonwood Ave	Alessandro Blvd	19,548	275	72	80	92	3	13	78	20,877	292	54	29
121	Alessandro Blvd	Heacock St	Indian St	28,571	326	51	63	169	3	9	22	32,972	348	59	78
122	Heacock St	Alessandro Blvd	Cactus Ave	14,510	149	78	143	57	2	11	65	17,145	140	60	71
123	Indian St	Cottonwood Ave	Alessandro Blvd	12,459	99	28	47	24	0	1	0	13,730	106	23	47
124	Alessandro Blvd	Indian St	Perris Blvd	28,449	252	89	58	201	4	10	22	33,432	270	99	78
125	Indian St	Alessandro Blvd	Cactus Ave	10,875	76	16	24	1	0	0	0	12,631	83	18	24
126	Alessandro Blvd	Perris Blvd	Kitching St	19,495	146	39	39	245	5	11	16	21,619	156	38	37
127	Perris Blvd	Alessandro Blvd	Cactus Ave	24,029	261	122	75	31	2	9	173	28,237	270	109	42
128	Kitching St	Cottonwood Ave	Alessandro Blvd	8,010	40	2	12	0	0	0	0	9,573	47	0	12
129	Alessandro Blvd	Kitching St	Lasselle St	13,583	170	9	81	262	5	11	14	14,962	185	9	86
130	Kitching St	Alessandro Blvd	Cactus Ave	7,688	26	1	0	61	2	2	0	8,469	23	0	0
131	Lasselle St	Cottonwood Ave	Alessandro Blvd	7,581	40	2	12	18	0	0	0	8,867	36	0	12
133	Lasselle St	Alessandro Blvd	Cactus Ave	13,889	127	12	95	62	2	1	0	15,438	140	0	107
134	Morrison St	Cottonwood Ave	Alessandro Blvd	3,770	116	16	20	53	2	5	4	4,018	116	22	0
135	Alessandro Blvd	Morrison St	Nason St	8,069	153	21	285	367	9	18	20	9,028	167	13	323
136	Nason St	Cottonwood Ave	Alessandro Blvd	14,343	82	30	0	124	2	3	0	17,045	80	45	0
137	Nason St	Alessandro Blvd	Cactus Ave	13,230	94	36	0	1	0	0	0	15,823	101	54	0
138	I-215 SB Ramps	north of Cactus Ave		6,504	72	162	244	4	0	1	2	2,158	94	117	140
139	Cactus Ave	Meridian Pkwy	I-215 SB Ramps	6,259	166	36	95	88	1	3	2	7,736	189	35	105
140	I-215 SB Ramps	south of Cactus Ave		22,260	202	88	78	88	1	2	1	25,484	211	68	47
141	Cactus Ave	I-215 NB Ramps	Elsworth St	34,336	389	208	427	153	2	4	1	36,404	412	153	341
142	I-215 NB Ramps	south of Cactus Ave		8,453	102	95	218	37	1	1	2	11,295	93	46	152
143	Cactus Ave	Elsworth St	Frederick St	42,891	339	205	529	201	4	13	1	44,820	341	138	394
144	Cactus Ave	Frederick St	Graham St	52,616	365	284	488	204	4	14	0	56,167	371	213	348
145	Cactus Ave	Graham St	Heacock St	28,536	295	78	440	235	5	16	0	34,279	329	87	301
146	Riverside Dr	Cactus Ave	Meyer Dr	35,064	134	223	0	38	0	1	0	37,221	94	153	0
147	Cactus Ave	Heacock St	Indian St	20,722	205	17	64	264	7	19	0	23,155	216	23	54
148	Heacock St	Cactus Ave	John F Kennedy Dr	23,601	243	117	603	54	1	9	57	25,656	235	89	379
149	Cactus Ave	Indian St	Perris Blvd	18,303	152	15	52	313	9	23	0	20,527	162	16	42
150	Indian St	Cactus Ave	John F Kennedy Dr	9,771	116	9	12	0	0	0	0	11,151	130	12	12
151	Cactus Ave	Perris Blvd	Kitching St	16,802	144	5	0	336	10	25	0	18,352	152	0	0
152	Perris Blvd	Cactus Ave	John F Kennedy Dr	23,566	236	113	126	24	2	8	171	28,822	234	104	81
153	Cactus Ave	Kitching St	Lasselle St	12,463	42	7	0	448	13	28	0	13,968	41	7	0
154	Kitching St	Cactus Ave	John F Kennedy Dr	8,263	95	0	0	0	0	0	0	9,304	107	0	0
155	Cactus Ave	Lasselle St	Morrison St	10,109	43	12	0	1,103	33	56	0	11,141	27	0	0
156	Lasselle St	Cactus Ave	John F Kennedy Dr	23,476	153	21	0	546	16	46	0	26,580	159	20	0
157	Cactus Ave	Morrison St	Nason St	8,277	56	11	0	1,256	46	58	0	8,655	30	0	0
158	E 6th St	Beaumont Ave	Pennsylvania Ave	9,971	153	36	12	124	3	14	13	10,744	175	29	2
159	Beaumont Ave	E 6th St	I-10	9,054	59	0	50	173	3	3	11	10,176	56	0	40
160	Kitching St	Gentian Ave	Iris Ave	5,490	85	1	12	0	0	0	0	6,022	82	0	12
161	Iris Ave	Perris Blvd	Kitching St	17,673	161	45	30	597	33	111	0	18,160	155	23	30
162	Iris Ave	Kitching St	Lasselle St	19,915	156	42	0	1,259	64	229	0	21,903	159	32	0
163	Kitching St	Iris Ave	Ivory Ave	15,434	231	24	0	615	30	115	0	17,223	244	22	0
164	Lasselle St	Gentian Ave	Iris Ave	20,216	91	6	0	15	1	0	0	22,016	81	0	0
165	Iris Ave	Lasselle St	Nason St	19,886	129	85	0	3,734	122	367	0	23,733	83	80	0
168	Krameria Ave	Perris Blvd	Lasselle St	9,066	155	42	0	552	27	108	0	11,045	165	46	0
169	Krameria Ave	Kitching St	Lasselle St	5,335	38	7	0	0	0	0	0	5,664	36	0	0

170	Kitching St	Krameria Ave	Lurin Ave	21,170	200	12	0	0	0	0	0	23,293	224	12	0
171	Lasselle St	Cahuilla Dr	Krameria Ave	20,243	132	19	0	2,289	50	130	0	22,773	125	16	0
172	Lasselle St	Krameria Ave	Arroyo Park Dr	8,875	74	14	12	2,185	46	128	0	10,369	74	16	12
173	Oleander Ave	Perris Blvd	Lasselle St												
174	Oleander Ave	Lasselle St	Lake Perris Dr												
177	San Timoteo Canyon Rd	Alessandro Rd	Live Oak Canyon Rd	12,825	65	34	32	1,650	86	298	296	13,620	46	3	23
178	Live Oak Canyon Rd	San Timoteo Canyon Rd	I-10	3,976	47	9	19	183	11	24	38	4,242	42	0	5
179	San Timoteo Canyon Rd	Live Oak Canyon Rd	Redlands Blvd	15,547	112	43	34	1,841	98	328	334	16,455	99	9	10
180	San Timoteo Canyon Rd	Redlands Blvd	Woodhouse Rd	2,195	0	0	0	72	1	1	0	2,382	0	0	0
181	Potrero Blvd	north of SR 60 WB Ramps													
182	SR 60 WB Onramp	west of Potrero Blvd													
183	SR 60 WB Offramp	east of Potrero Blvd													
184	SR 60 EB Offramp	west of Potrero Blvd													
185	SR 60 EB Onramp	east of Potrero Blvd													
186	Potrero Blvd	south of SR 60 EB Ramps	W 4th St												
190	Gilman Springs Rd	Jack Rabbit Trail	Bridge St	16,634	224	50	92	2,513	43	154	202	18,337	240	55	65
191	Gilman Springs Rd	Bridge St	Beaumont Ave	15,511	189	48	86	1,913	35	135	161	16,719	194	46	55
192	Bridge St	Gilman Springs Rd	Marvin Rd	1,610	38	5	32	600	8	19	41	2,322	34	10	36
194	Crescent Ave	West of Alessandro Rd		2,194	12	5	0	283	16	50	0	2,348	8	0	0
195	Crescent Ave	Alessandro Rd	Center St	6,360	12	13	0	547	26	74	0	6,812	2	0	0
196	Alessandro Rd	Crescent Ave	Sunset Dr	6,300	30	19	0	829	42	137	0	6,676	17	10	0
198	Sunset Dr	Crown St	Alessandro Rd	323	0	2	0	49	2	4	0	354	0	0	0
199	Sunset Dr	Alessandro Rd	Cameo Dr	614	0	0	0	137	4	8	0	685	0	0	0
200	Alessandro Rd	Sunset Dr	San Timoteo Canyon Rd	6,541	36	20	0	1,015	49	149	0	6,918	21	9	0
205	Reche Canyon Rd	Keissel Rd	Reche Vista Dr	19,056	98	21	0	76	6	21	0	22,432	105	35	0
206	Reche Canyon Rd	Reche Vista Dr	High Country Dr	248	24	0	0	0	0	0	0	271	24	0	0
207	Reche Vista Dr	Heacock St	Reche Canyon Rd	19,047	122	21	0	76	6	21	0	22,419	141	35	0
215	Mission Grove Pkwy	Cannon Rd	Alessandro Blvd	7,314	24	0	1	6	0	0	0	8,111	24	0	0
216	Alessandro Blvd	Trautwein Rd	Vista Grande Dr	44,704	291	66	75	135	3	8	12	52,103	320	55	80
217	Mission Grove Pkwy	Alessandro Blvd	Northrop Dr	15,435	106	5	7	203	5	14	18	17,353	116	9	10
218	Alessandro Blvd	Canyon Crest Dr	Trautwein Rd	50,401	390	56	72	43	1	3	5	58,962	439	53	74
219	Trautwein Rd	Alessandro Blvd	Orange Terrace Pkwy	10,696	72	0	0	9	0	0	0	11,676	71	0	0
221	Canyon Crest Dr	Central Ave	Alessandro Blvd	11,116	94	0	0	3	0	0	0	12,883	106	0	0
223	Canyon Crest Dr	Alessandro Blvd	Sandtrack Rd	402	0	0	0	8	0	0	0	429	0	0	0
225	Via Vista Dr	Alessandro Blvd	Canyon Crest Dr	2,489	12	0	0	0	0	0	0	2,738	12	0	0
226	Alessandro Blvd	Century Ave	Canyon Crest Dr	48,288	330	52	67	26	1	3	5	56,919	363	55	74
227	Via Vista Dr	Alessandro Blvd	Canyon Hill Dr	3,434	0	0	0	0	0	0	0	3,776	0	0	0
229	Century Ave	Alessandro Blvd	Claridge Dr	1,334	0	0	0	4	0	0	0	1,580	1	0	0
230	Century Ave	Trafalgar Ave	Alessandro Blvd	1,021	0	0	0	28	0	0	0	1,105	0	0	0
231	Alessandro Blvd	Victoria Ave	Arlington Ave/Chicago Ave	36,151	59	76	99	43	1	3	6	41,586	59	96	136
232	Chicago Ave	Alessandro Blvd	Central Ave	30,139	201	49	73	330	8	27	36	32,784	223	31	13
233	Alessandro Blvd	Arlington Ave/Chicago Ave	Century Ave	50,584	256	72	93	35	1	3	5	59,473	285	75	102
236	Victoria Ave	Central Ave	Arlington Ave	6,921	59	24	0	9	0	2	1	7,843	59	23	1
237	Arlington Ave	Victoria Ave	Alessandro Blvd	35,087	207	106	122	245	6	25	33	40,929	225	74	33
238	Victoria Ave	Arlington Ave	Maude St	12,694	224	32	2	116	3	11	13	14,684	246	33	0
239	Arlington Ave	Maude St	Victoria Ave	30,388	215	75	93	112	3	13	18	35,006	240	55	10
240	Durango Rd	Laramie Rd	Arlington Ave	1,876	0	0	0	0	0	0	0	2,109	0	0	0
241	Horace St	Arlington Ave	Victoria Ave	3,843	47	0	0	0	0	0	0	4,354	47	0	0
242	Arlington Ave	Magnolia Ave	SR-91 WB On-Ramps	33,064	338	42	76	125	4	15	23	37,748	373	25	22
243	Riverside Dr	SR-91 WB Off-Ramps	Arlington Ave	10,808	106	7	4	13	0	2	5	12,094	113	6	10
244	SR-91 WB On-Ramps	Arlington Ave	SR-91	17,416	142	38	90	0	0	0	0	19,956	166	0	0

245	SR-91 EB On-Ramps	SR-91	Arlington Ave	20,716	260	0	70	47	1	4	15	23,317	283	0	65
246	Indiana Ave	Arlington Ave	SR-91 EB Off-Ramps	15,660	224	43	47	5	0	1	2	17,526	248	35	22
247	Arlington Ave	SR-91 WB On-Ramps	SR-91 EB On-Ramps	35,558	366	38	82	129	4	15	23	40,513	405	31	60
250	Country Club Dr	Chicago Ave	Canyon Crest Dr	2,183	24	0	0	0	0	0	0	2,431	24	0	0
252	Central Ave	Chicago Ave	Canyon Crest Dr	22,943	133	57	70	348	8	27	36	25,882	145	39	12
254	Canyon Crest Dr	Martin Luther King Blvd	Central Ave	16,803	177	24	24	0	0	0	0	18,939	201	24	36
256	Canyon Crest Dr	Central Ave	Country Club Dr	17,525	82	24	24	154	3	4	6	19,484	81	22	20
258	El Cerrito Dr	Canyon Crest Dr	Central Ave	6,136	24	0	12	1	0	0	0	6,765	24	0	12
260	Central Ave	Canyon Crest Dr	I-215	22,522	154	42	55	504	11	31	42	25,211	173	26	7
261	Lochmoor Dr	Central Ave	Fair Isle Dr	6,634	31	58	84	51	2	7	18	9,126	30	53	75
262	Sycamore Canyon Blvd	Central Ave	College Blvd	11,777	118	7	4	99	2	7	17	15,494	147	30	1
263	Central Ave	Sycamore Canyon Blvd	I-215 SB Ramps	16,888	77	31	70	531	14	41	76	20,492	75	44	62
264	I-215 SB Off-Ramps	I-215	Central Ave	2,826	48	32	8	0	0	0	0	2,960	48	26	2
265	Central Ave	I-215 SB Ramps	I-215 NB Ramps	15,726	18	41	67	304	8	26	56	19,531	19	65	89
266	I-215 SB On-Ramps	Central Ave	I-215	21,264	94	0	24	678	17	42	65	22,912	89	0	1
267	Watkins Dr	I-215 NB On-Ramp	I-215 NB Off-Ramp	14,325	12	41	52	113	3	10	21	17,686	14	51	48
268	I-215 NB Off-Ramp	Watkins Dr	I-215	5,157	0	32	90	556	5	45	95	5,362	0	0	21
269	Martin Luther King Blvd	SR-91	Chicago Ave	30,426	283	14	23	339	13	56	145	33,902	310	19	111
270	Chicago Ave	University Ave	Martin Luther King Blvd	22,881	271	0	12	4	0	0	1	26,651	298	2	26
271	Martin Luther King Blvd	Chicago Ave	Iowa Ave	26,734	177	9	11	343	13	56	146	30,160	205	15	101
272	Chicago Ave	Martin Luther King Blvd	Central Ave	23,936	171	0	6	0	0	0	0	27,335	196	1	13
273	Iowa Ave	University Ave	Martin Luther King Blvd	13,637	82	1	1	2	0	1	1	15,149	82	0	1
274	Martin Luther King Blvd	Iowa Ave	Canyon Crest Dr	32,758	231	16	10	351	14	57	147	37,320	257	21	103
275	Canyon Crest Dr	Campus Dr	Martin Luther King Blvd	11,523	107	0	2	8	1	0	0	13,639	117	0	0
276	Martin Luther King Blvd	Canyon Crest Dr	I-215 SB Ramps	26,701	189	18	21	359	14	56	148	30,401	213	23	112
277	Canyon Crest Dr	Martin Luther King Blvd	Central Ave	22,715	177	0	0	5	0	0	1	25,188	201	0	11
278	I-215 SB Off-Ramp	I-215	Martin Luther King Blvd	5,970	24	0	0	0	0	0	0	6,560	24	0	0
279	Martin Luther King Blvd	I-215 SB Ramps	I-215 NB Ramps	9,127	106	0	20	149	5	21	58	10,058	122	6	134
280	I-215 SB On-Ramp	Martin Luther King Blvd	I-215	31,018	142	32	42	402	15	65	170	32,486	163	23	8
281	I-215 NB On-Ramp	I-215	Martin Luther King Blvd	9,440	24	0	40	16	1	0	21	10,368	23	0	85
282	I-215 NB Off-Ramp	Martin Luther King Blvd	I-215	8,766	188	0	0	281	9	38	95	9,701	221	16	183
283	SR-60 EB Off-Ramp	SR-60	Heacock St	22,444	94	26	42	3	1	3	27	24,683	117	21	7
284	SR-60 EB On-Ramp	Heacock St	SR-60	11,120	82	26	68	758	21	34	123	13,382	63	0	43
285	Heacock St	SR-60 EB Ramps	Sunnymead Blvd	29,088	276	48	108	241	9	24	90	32,138	275	27	61
286	Perris Blvd	Hemlock Ave	SR-60 WB Ramps	30,496	294	42	12	450	16	36	6	33,698	310	29	10
287	Perris Blvd	SR-60 WB Ramps	Sunnymead Blvd	33,724	249	106	68	420	16	35	120	37,594	265	94	40
288	Sunnymead Blvd	SR-60 WB Off-Ramp	Perris Blvd	22,710	61	158	120	123	5	12	5	24,871	55	171	127
289	Sunnymead Blvd	Perris Blvd	SR-60 WB On-Ramp	18,068	103	63	56	442	17	36	86	20,002	110	39	57
290	Perris Blvd	Sunnymead Blvd	Fir Ave	28,151	137	174	176	273	12	26	195	31,386	143	148	144
294	Via Del Lago	South of Iris Ave		876	24	0	0	41	1	0	0	903	23	0	0
301	John F. Kennedy Dr	Indian St	Perris Blvd	14,828	21	24	0	360	10	40	0	14,746	10	10	0
302	John F. Kennedy Dr	Perris Blvd	Kitching St	13,846	65	20	0	377	9	37	0	15,426	69	22	0
303	Perris Blvd	John F. Kennedy Dr	Iris Ave	22,327	167	159	181	23	1	4	169	27,100	176	167	140
304	Iris Ave	Indian St	Perris Blvd	12,875	73	14	47	24	9	24	0	14,592	58	11	47
306	Perris Blvd	Iris Ave	Krameria Ave	20,435	203	124	170	531	22	87	167	22,591	217	98	130
307	Perris Blvd	Krameria Ave	Harley Know Blvd	20,762	239	142	146	907	39	154	167	24,332	252	142	100
324	Ramona Expy	Warren Rd	Sanderson Ave	14,240	259	83	306	11	0	1	0	15,852	287	99	350
325	Sanderson Ave	Gilman Springs Rd	Ramona Expy	29,021	413	35	563	941	17	69	75	32,251	454	23	549
326	Ramona Expy	Sanderson Ave	State St	16,058	283	71	178	342	5	16	15	17,452	316	77	193
327	Sanderson Ave	Ramona Expy	Ramona Blvd	19,024	201	24	209	607	12	52	59	21,770	220	17	183
340	Alessandro Blvd	South of San Timoteo Canyon Rd		366	0	0	0	0	0	0	0	402	0	0	0

351	Live Oak Canyon Rd	South of San Timoteo Canyon Rd		247	0	0	0	8	0	0	0	275	0	0	0
358	Gilman Springs Rd	Bridge St	SR-79 SB Ramps	15,798	201	36	86	1,911	35	135	161	17,042	218	34	55
359	SR-79 SB Off-Ramp	SR-79	Gilman Springs Rd	5,192	94	0	0	36	0	0	0	5,676	94	0	0
360	Gilman Springs Rd	SR-79 SB Ramps	SR-79 NB Ramps	12,808	148	36	35	1,366	25	97	79	12,155	159	16	0
361	SR-79 SB On-Ramp	Gilman Springs Rd	SR-79	9,916	166	40	92	1,055	18	75	81	12,043	180	33	83
362	SR-79 NB On-Ramp	SR-79	Gilman Springs Rd	2,195	59	12	35	3	0	0	0	2,428	71	12	36
363	Gilman Springs Rd	SR-79 NB Ramps	Record Rd	12,027	212	36	15	956	18	66	50	12,066	227	21	0
364	SR-79 NB Off-Ramp	Gilman Springs Rd	SR-79	2,336	24	1	15	818	15	26	33	1,714	12	0	0
365	Alessandro Blvd	Sycamore Canyon Blvd	Vista Grande Dr	42,439	437	93	98	385	10	25	36	49,207	482	92	102
366	Sycamore Canyon Blvd	Eastridge Ave	Alessandro Blvd	7,188	188	84	102	18	0	2	14	6,542	212	94	142
367	Meridian Pkwy	Alessandro Blvd	Cactus Ave	4,425	48	0	36	0	0	0	0	4,827	48	0	36
375	Mid County Pkwy WB On-Ramp	Mid County Pkwy	3rd St												
376	3rd St	Marvin Rd	Mid County Pkwy WB Ramps												
377	Mid County Pkwy WB Off-Ramp	Mid County Pkwy	3rd St												
378	3rd St	Mid County Pkwy EB Ramps	Mid County Pkwy WB Ramps												
379	Mid County Pkwy EB Off-Ramp	Mid County Pkwy	3rd St												
380	Mid County Pkwy EB On-Ramp	3rd St	Mid County Pkwy												
381	3rd St	Mid County Pkwy EB Ramps	MM Blvd												
386	Harley Know Blvd	Indian St	Perris Blvd	4,449	82	71	142	0	0	0	1	4,897	82	71	165
387	Perris Blvd	Krameria Ave	Harley Know Blvd	17,191	189	65	365	702	28	111	113	19,034	202	44	335
388	Krameria Ave	Lasselle St	Spirit Rd	1,947	0	0	0	0	0	0	0	2,147	0	0	0
389	El Cerrito Dr	South of Central Ave		2,602	12	0	0	9	0	0	0	2,859	12	0	0
390	Ramona Expy	Webster Ave	Indian St	28,395	472	153	1,041	279	10	33	13	30,344	519	128	1,027
392	Ramona Expy	Indian St	Perris Blvd	29,352	478	171	643	171	13	65	28	31,984	490	160	647
393	Indian St	Ramona Expy	Morgan St	4,964	441	169	568	33	6	53	47	4,569	362	108	484
394	Perris Blvd	Harley Know Blvd	Ramona Expy	15,996	171	91	294	670	27	109	97	16,381	173	73	272
396	Perris Blvd	Ramona Expy	Rider St	17,319	227	37	96	818	22	80	32	19,431	249	29	94
397	Ramona Expy	Perris Blvd	Evans Rd	27,358	341	132	394	888	19	72	13	30,192	357	136	408
398	Evans Rd	Marbella Gate	Ramona Expy	9,940	109	14	0	2,006	42	76	0	10,113	93	0	0
399	Ramona Expy	Evans Rd	Rider St	17,854	307	62	247	1	0	0	0	19,233	344	72	283
400	Evans Rd	Ramona Expy	Rider St	12,904	109	9	6	492	10	16	2	14,793	115	7	5
401	Morgan St	Indian St	Perris Blvd	1,617	83	46	79	1	0	2	1	1,344	95	46	95
402	Morgan St	Perris Blvd	Silver Creek Industries	743	70	24	0	0	0	0	0	817	70	24	0
404	Morgan St	Morgan Park	Evans Rd	3,186	12	12	0	0	0	0	0	3,507	12	12	0
405	Morgan St	Evans Rd	Bradley Rd	3,768	12	0	12	126	5	4	3	4,051	9	0	11
406	Ironwood Ave	East of Thedore St		224	118	12	0	41	4	2	0	207	126	11	0
407	Rider St	Indian St	Perris Blvd	3,156	37	1	25	0	0	0	0	3,648	36	0	24
408	Rider St	Perris Blvd	Redlands Ave	8,474	98	4	9	5	0	0	0	9,444	107	0	0
409	Ironwood Ave	Nason St	Moreno Beach Dr	5,074	0	47	0	204	4	4	0	5,833	0	51	0
410	Rider St	Wilson Ave	Evans Rd	11,717	59	0	12	169	5	6	0	13,013	57	0	13
411	Rider St	Evans Rd	Ramona Expy	6,125	24	0	24	0	0	0	0	6,758	24	0	24
412	Maude St	North of Arlington Ave		212	0	0	0	0	0	0	0	236	0	0	0
413	Placentia Ave	Indian St	Perris Blvd	1,201	48	0	0	8	1	2	2	1,302	47	0	0
414	Placentia Ave	Perris Blvd	Redlands Ave	3,484	12	0	0	1	0	0	0	3,798	12	0	0
415	Perris Blvd	Placentia Ave	Orange Ave	8,037	91	8	12	805	21	34	16	8,477	87	0	0
416	Mid County Pkwy WB On-Ramp	Mid County Pkwy	Perris Blvd												
417	Mid County Pkwy WB Off-Ramp	Perris Blvd	Mid County Pkwy												
419	Mid County Pkwy EB Off-Ramp	Mid County Pkwy	Perris Blvd												
420	Mid County Pkwy EB On-Ramp	Perris Blvd	Mid County Pkwy												
421	Via Del Lago	South of Iris Ave		378	0	0	0	0	0	0	0	424	0	0	0
424	Perris Blvd	Alessandro Blvd	Cottonwood Ave	24,010	155	162	86	109	4	13	188	26,983	162	140	51

425	Mid County Pkwy WB On-Ramp	West of Evan													
426	Mid County Pkwy WB Off-Ramp	East of Evan													
427	Day St	south of Alessandro Blvd		972	26	23	93	3	1	4	6	1,256	23	20	79
428	Mid County Pkwy EB Off-Ramp	West of Evan													
429	Mid County Pkwy EB On-Ramp	East of Evan													
430	Alessandro Blvd	SR-215 NB Ramp	SR-215 SB Ramp	32,354	352	108	179	271	6	17	31	36,405	372	105	188
431	Placentia Ave	Water Ave	Evans Rd												
432	Placentia Ave	Evans Rd	El Nido Ave												
433	Evans Rd	Rider St	Orange Ave	1,584	9	0	0	195	2	1	0	1,666	7	0	0
434	Orange Ave	Wilson Ave	Evans Rd	4,791	59	0	12	5	0	0	0	5,363	60	0	12
435	Orange Ave	Evans Rd	Foothill Dr	2,737	24	0	12	1	0	0	0	3,069	24	0	12
436	Elsworth St	south of Cactus Ave		14,631	37	83	36	0	0	0	0	17,366	24	71	36
441	Nuevo Rd	Wilson Ave	Evans Rd	13,873	71	24	59	0	0	0	0	15,351	71	24	59
442	Evans Rd	Orange Ave	Nuevo Rd	5,205	12	0	6	103	1	3	0	5,949	12	0	6
443	Nuevo Rd	Evans Rd	Foothill Dr	10,834	47	24	48	83	1	3	0	12,208	47	23	47
444	Evans Rd	Nuevo Rd	San Jacinto Ave												
452	San Jacinto Ave	West of Evan Rd													
453	Evans Rd	North of San Jancito Ave													
454	San Jacinto Ave	East of Evan Rd													
455	Evans Rd	South of San Jancito Ave													
458	Nason St	South of Cactus Ave		5,302	41	39	0	0	0	0	0	10	0	1	0
464	Quincy	South of Eucalyptus													
477	Ellis Ave	West of Evan Rd													
478	Evans Rd	North of Ellis Ave													
479	Oliver St	South of Irris Ave		2,620	24	12	0	0	0	0	0	2,891	24	12	0
480	Ellis Ave	Evans Rd	SR-215												
481	SR-215 SB Off-ramp	SR-215	Ellis Ave												
482	Ellis Ave	East of SR-215													
483	SR-215 SB On-ramp	Ellis Ave	SR-215												
484	SR-215 NB On-ramp	Ellis Ave	SR-215												
485	SR-215 NB Off-ramp	SR-215	Ellis Ave												
488	Nason St	North of Iris Ave		5,302	41	39	0	0	0	0	0	7,562	36	48	0
494	Evans Rd	North of Harley Knox Blvd													
498	Morrison St	Alessandro Blvd	Cactus Ave												
499	Perris Blvd	Eucalyptus Ave	Cottonwood Ave	26,740	190	52	59	203	9	20	192	29,816	192	19	14
500	Perris Blvd	North of Eucalyptus Ave		26,947	198	48	71	228	10	21	192	30,192	203	18	38
502	Quincy	Cottonwood Ave	Alessandro Blvd												
503	Quincy	Alessandro Blvd	Cactus Ave												
504	Krameria Ave	west of Perris Blvd		8,710	106	78	0	113	7	33	0	8,879	79	55	0

WLC - Daily Link Forecasts - 2022

Segment ID	Segment	From	To	2022 No Project Forecasts				2022 With Project Proj Only Trips				2022 With Project Non-Proj Only Trips			
				Cars	Light Trucks	Medium Trucks	Heavy Trucks	Cars	Light Trucks	Medium Trucks	Heavy Trucks	Cars	Light Trucks	Medium Trucks	Heavy Trucks
1	Street A	State Route 60	Eucalyptus Ave	6,114	140	129	278	14,122	488	1,457	4,566	0	0	0	0
2	Street A	Eucalyptus Ave	Street F	546	17	5	6	22,455	1,696	3,128	9,844	0	0	0	0
3	Street E	west of Street A						8,661	657	1,178	3,673	0	0	0	0
4	Street E	north of Alessandro Blvd						4,655	207	363	85	0	0	0	0
5	Street E	Street D	Street A	2,079	19	8	2	8,253	368	702	70	1,731	0	1	0
6	Street A	Street F	Street C	605	17	5	6	9,751	628	1,234	3,534	0	0	0	0
7	Street A	south of Street C						3,289	182	363	886	0	0	1	0
8	Street D	Street E	Cactus Ave					11,947	557	1,016	0	1,016	7	8	0
9	John F Kennedy Dr	south of Cactus Ave		7,286	43	47	0	7,640	349	762	0	4,859	14	37	0
10	Redlands Blvd	Alessandro Blvd	Cactus Ave	8,220	68	47	0	1,335	57	86	0	2,946	37	39	0
11	Redlands Blvd	Dracaea Ave	Alessandro Blvd	9,154	40	25	0	266	14	19	0	6,073	69	68	0
12	Redlands Blvd	Eucalyptus Ave	Dracaea Ave	10,567	302	109	64	912	205	174	0	11,166	356	105	64
13	Redlands Blvd	State Route 60	Eucalyptus Ave	10,567	302	109	64	1,761	42	102	629	13,374	332	182	401
14	Eucalyptus Ave	east of Redlands Blvd						2,322	218	236	629	6,483	209	151	337
15	Eucalyptus Ave	west of Street A		6,488	154	129	274	2,822	687	323	801	4,340	0	0	0
18	Street B	east of Street A						1,716	146	206	426	772	9	14	10
18a	Street B	west of Gilman Springs Rd						945	48	103	146	772	9	14	11
19	Street F	east of Street A						2,691	174	377	1,250	0	1	1	0
20	Street F	north of Street C						2,310	86	183	133	0	0	1	0
21	Street C	east of Street A		2,927	47	0	12	8,774	453	949	1,639	1,914	30	0	0
22	Street C	west of Street F						8,774	453	960	1,640	1,081	8	9	9
23	Street F	Street C	Street G					5,658	300	667	1,565	157	1	2	9
24	Street C	Street F	Street H					6,616	210	522	916	924	6	6	0
25	Street C	Street H	Gilman Springs Rd	1,449	0	1	2	10,643	387	976	2,669	1,538	1	1	10
26	Street H	Street C	Street G					4,984	263	580	1,594	112	1	3	13
27	Street G	east of Street H						3,650	214	436	1,123	0	0	0	1
28	Street G	Street F	Street H					2,262	116	259	651	90	1	2	8
29	Gilman Springs Rd	State Route 60	Eucalyptus Ave	11,770	694	39	316	5,897	264	671	2,285	7,991	649	0	167
30	Gilman Springs Rd	Eucalyptus Ave	Street C	11,770	694	39	316	6,681	306	769	2,392	8,754	658	0	177
31	Gilman Springs Rd	south of Street C		14,013	200	12	12	5,815	145	361	397	12,987	158	0	0
32	Cactus Ave	west of Redlands Blvd		1,759	17	5	3	2,331	67	81	0	0	0	0	0
33	Alessandro Blvd	west of Redlands Blvd		2,383	9	2	3	1,106	36	47	0	2,015	0	0	3
35	Redlands Blvd	Ironwood Ave	State Route 60	15,739	186	80	125	606	34	83	712	14,970	166	21	66
36	Ironwood Ave	Redlands Blvd	Highland Blvd	1,312	77	19	0	1,492	99	245	0	1,339	55	3	0
37	San Timoteo Canyon Rd	West Live Oak Canyon		9,677	55	44	102	741	68	229	622	9,795	33	18	86
38	Theodore St	State Route 60	Highland Blvd	2,757	176	49	29	3,014	203	496	6	2,277	120	15	15
42	Redlands Blvd	Ironwood Ave	San Timoteo Canyon Rd	19,476	217	107	95	2,528	164	442	711	18,111	154	25	37
43	Moreno Beach Dr	Alessandro Blvd	SR 60	20,515	250	42	97	210	9	9	86	20,108	227	31	113
46	Moreno Beach Dr	State Route 60	Ironwood Ave	16,783	174	117	310	315	17	24	172	18,758	127	92	154
47	Ironwood Ave	Moreno Beach Dr	Redlands Blvd	4,232	14	25	12	137	6	5	0	4,428	12	27	12
48	Alessandro Blvd	Lasselle St	Morrison St	10,104	239	35	435	577	18	37	68	9,868	226	24	453
50	Cactus Ave	Redlands Blvd	Street D	318	12	0	12	11,947	557	1,016	0	1,016	7	8	0
51	Moreno Beach Dr	John F Kennedy Dr	Cactus Ave	15,782	231	44	18	59	1	3	0	16,969	219	47	18
52	Moreno Beach Dr	John F Kennedy Dr	Oliver St	15,506	132	79	6	6,991	297	738	0	14,897	83	50	6
53	John F Kennedy Dr	Oliver St	Moreno Beach Dr	4,362	24	6	12	615	46	22	0	4,550	0	0	12
54	Locust Ave	Moreno Beach Dr	Smiley Blvd	95	12	0	0	0	0	0	0	95	12	0	0
55	Locust Ave	Moreno Beach Dr	Redlands Blvd	2,987	62	17	0	64	4	2	0	4,842	64	36	0

56	Moreno Beach Dr	Locust Ave	Ironwood Ave	3,996	40	18	0	7	0	0	0	5,854	41	37	0
57	Live Oak Canyon Rd	North of San Timoteo Canyon		7,787	82	55	0	1,836	107	272	0	6,827	45	18	0
58	SR 60 EB Ramps	west of Moreno Beach Dr		14,649	153	14	71	181	11	24	0	16,872	158	43	71
59	Eucalyptus Ave	Moreno Beach Dr	Quincy Dr	3,731	78	86	221	0	0	0	207	3,953	47	65	0
60	SR 60 WB Ramps	east of Redlands Blvd		5,860	107	43	54	1,603	49	142	472	5,843	96	40	166
61	SR 60 EB Ramps	west of Redlands Blvd		7,368	167	27	56	439	20	32	184	9,243	166	48	157
62	Fir Ave	Quincy Dr	Redlands Blvd												
65	Alessandro Blvd	Nason St	Oliver St	12,847	236	46	27	750	23	46	75	14,249	217	35	47
66	Alessandro Blvd	Oliver St	Moreno Beach Dr	7,520	149	10	25	874	31	62	75	7,512	141	7	47
67	Oliver St	Alessandro Blvd	Cactus Ave	4,236	25	7	0	0	0	0	0	5,152	12	0	0
68	Moreno Beach Dr	Alessandro Blvd	Cactus Ave	18,250	279	54	36	69	1	3	0	18,805	259	60	36
69	Cactus Ave	Nason St	Oliver St	8,662	52	14	4	1,541	64	104	0	8,212	38	9	4
70	Cactus Ave	Oliver St	Moreno Beach Dr	8,153	61	10	0	2,272	95	155	0	8,267	57	4	0
71	Oliver St	Cactus Ave	John F Kennedy Dr	8,116	12	0	0	0	0	0	0	8,319	12	0	0
72	Oliver St	John F Kennedy Dr	Iris Ave	4,661	12	0	0	0	0	0	0	4,909	12	0	0
73	Iris Ave	Nason St	Oliver St	17,416	148	116	0	6,866	291	735	0	19,332	88	95	0
74	Heacock St	Manzanita Ave	Ironwood Ave	24,852	210	29	19	600	13	11	2	24,581	204	32	10
75	Ironwood Ave	Graham St	Heacock St	17,245	73	25	13	245	12	26	5	18,402	77	34	0
76	Ironwood Ave	Heacock St	Indian Ave	13,356	135	8	3	56	2	7	0	14,534	132	15	2
77	Heacock St	Ironwood Ave	Hemlock Ave	25,898	279	39	31	815	23	31	10	25,786	281	40	20
80	Heacock St	Hemlock Ave	SR 60 WB Ramps	31,543	248	59	29	1,033	30	41	12	31,415	230	61	19
81	SR 60 WB Ramps	west of Heacock St		20,740	294	30	148	0	0	0	131	22,680	306	48	133
82	SR 60 WB Ramps	east of Heacock St		11,130	90	64	168	1,511	57	105	372	7,327	67	55	110
83	Heacock St	SR 60 WB Ramps	SR 60 EB Ramps	33,595	349	77	139	723	23	37	120	33,408	324	60	112
85	SR 60 WB Onramp	west of Perris Blvd		21,196	204	98	152	0	0	0	0	22,562	188	94	94
86	SR 60 WB Offramp	east of Perris Blvd		8,900	86	50	28	2,049	86	150	360	4,789	44	0	0
87	Eucalyptus Ave	Indian St	Perris Blvd	6,901	36	7	0	74	7	21	0	7,383	28	9	0
88	Eucalyptus Ave	Perris Blvd	Kitching St	8,978	32	14	12	95	9	22	0	9,670	37	20	12
95	W 6th St	I-10	N California Ave	6,119	110	66	125	771	23	60	52	4,232	74	32	102
96	N California Ave	W 6th St	E 8th St	5,014	29	11	75	650	16	30	24	4,251	18	6	63
97	E 6th St	N California Ave	Beaumont Ave	6,970	112	38	78	82	3	9	9	6,987	104	36	100
98	N California Ave	W 6th St	I-10	4,805	50	76	84	60	4	20	17	4,398	23	44	56
99	Beaumont Ave	E 6th St	E 8th St	12,961	168	35	47	259	3	6	5	14,291	165	47	46
100	I-215 SB Ramps	north of Alessandro Blvd		8,368	246	50	98	526	19	42	89	7,473	223	21	32
101	Alessandro Blvd	Sycamore Canyon Blvd	I-215 SB Ramps	39,891	421	184	207	692	22	54	79	40,928	390	143	161
102	I-215 SB Ramps	south of Alessandro Blvd		14,308	166	56	40	3	0	1	0	14,107	166	47	24
103	I-215 NB Ramps	north of Alessandro Blvd		14,400	238	120	306	728	22	49	91	14,352	234	69	207
104	Alessandro Blvd	I-215 NB Ramps	Old 215 Frontage Rd	37,281	349	234	416	302	9	27	54	39,186	299	169	333
105	I-215 SB Ramps	south of Alessandro Blvd		13,652	340	46	86	1	0	1	0	14,645	332	23	70
106	Old 215 Frontage Rd	Eucalyptus Ave	Alessandro Blvd	9,185	84	23	24	28	1	3	0	12,207	95	36	24
107	Alessandro Blvd	Old 215 Frontage Rd	Day St	35,643	323	202	398	351	10	33	54	44,392	303	211	315
108	Old 215 Frontage Rd	Alessandro Blvd	Cactus Ave	6,129	164	80	77	19	1	3	0	7,498	154	63	77
109	Day St	Cottonwood Ave	Alessandro Blvd	5,764	47	34	0	40	3	11	0	7,702	34	34	0
110	Alessandro Blvd	Day St	Elsworth St	32,860	263	144	267	326	10	30	50	38,829	250	157	241
111	Elsworth St	Cottonwood Ave	Alessandro Blvd	8,920	116	23	0	0	0	0	0	9,523	118	36	0
112	Alessandro Blvd	Elsworth St	Frederick St	34,715	243	148	287	338	12	37	102	39,992	226	155	259
113	Elsworth St	Alessandro Blvd	Cactus Ave	9,421	113	35	63	18	3	11	26	10,225	98	31	54
114	Frederick St	Cottonwood Ave	Alessandro Blvd	24,690	134	57	64	31	3	8	56	26,484	115	42	35
115	Alessandro Blvd	Frederick St	Graham St	35,950	296	147	251	328	10	31	63	39,526	261	120	172
116	Frederick St	Alessandro Blvd	Cactus Ave	17,922	81	54	50	21	0	1	12	19,168	71	53	51
117	Graham St	Cottonwood Ave	Alessandro Blvd	11,711	58	15	12	25	0	1	0	13,618	59	11	12
118	Alessandro Blvd	Graham St	Heacock St	37,583	291	141	173	340	11	31	69	38,572	252	111	124
119	Graham St	Alessandro Blvd	Cactus Ave	15,256	57	40	53	44	1	3	1	18,364	47	45	47

120	Heacock St	Cottonwood Ave	Alessandro Blvd	22,539	299	96	182	120	6	20	187	22,336	266	59	66
121	Alessandro Blvd	Heacock St	Indian St	32,537	357	83	108	361	11	31	65	35,049	347	80	125
122	Heacock St	Alessandro Blvd	Cactus Ave	17,110	168	100	255	74	4	15	157	18,156	121	57	124
123	Indian St	Cottonwood Ave	Alessandro Blvd	14,110	111	34	47	38	1	1	0	14,767	105	35	47
124	Alessandro Blvd	Indian St	Perris Blvd	31,531	275	111	92	417	13	33	66	35,186	269	120	113
125	Indian St	Alessandro Blvd	Cactus Ave	12,488	86	25	24	2	0	0	0	14,435	89	31	24
126	Alessandro Blvd	Perris Blvd	Kitching St	21,714	163	53	75	470	13	33	71	22,036	149	54	84
127	Perris Blvd	Alessandro Blvd	Cactus Ave	27,903	290	170	72	49	4	13	282	29,882	256	111	12
128	Kitching St	Cottonwood Ave	Alessandro Blvd	8,893	45	6	12	3	0	0	0	10,155	60	12	12
129	Alessandro Blvd	Kitching St	Lasselle St	14,912	178	17	102	510	15	35	67	14,796	159	12	122
130	Kitching St	Alessandro Blvd	Cactus Ave	8,311	30	4	0	77	3	1	0	8,992	23	0	0
131	Lasselle St	Cottonwood Ave	Alessandro Blvd	8,988	48	10	12	19	1	0	0	9,981	35	12	12
133	Lasselle St	Alessandro Blvd	Cactus Ave	16,032	139	26	95	94	4	3	0	16,491	126	21	95
134	Morrison St	Cottonwood Ave	Alessandro Blvd	3,860	116	18	20	65	4	7	4	3,947	103	21	0
135	Alessandro Blvd	Morrison St	Nason St	8,798	155	26	304	642	21	44	75	8,682	150	18	324
136	Nason St	Cottonwood Ave	Alessandro Blvd	16,836	92	50	0	138	3	3	0	19,344	79	58	0
137	Nason St	Alessandro Blvd	Cactus Ave	15,410	104	57	0	14	1	1	0	17,551	100	77	0
138	I-215 SB Ramps	north of Cactus Ave		5,120	84	192	434	14	2	6	16	1,046	92	136	220
139	Cactus Ave	Meridian Pkwy	I-215 SB Ramps	14,137	233	140	246	390	8	20	18	18,639	221	127	204
140	I-215 SB Ramps	south of Cactus Ave		28,822	242	156	202	25	2	3	13	33,613	212	117	81
141	Cactus Ave	I-215 NB Ramps	Elsworth St	41,825	462	338	690	404	8	19	15	43,975	418	250	460
142	I-215 NB Ramps	south of Cactus Ave		6,354	109	94	306	23	1	3	10	8,004	105	56	160
143	Cactus Ave	Elsworth St	Frederick St	47,562	382	261	834	434	12	33	13	46,041	338	168	507
144	Cactus Ave	Frederick St	Graham St	56,763	401	331	772	459	13	35	0	57,398	368	263	490
145	Cactus Ave	Graham St	Heacock St	31,337	320	107	713	526	15	41	0	35,525	318	132	443
146	Riverside Dr	Cactus Ave	Meyer Dr	37,716	150	239	0	48	0	2	0	38,031	94	164	0
147	Cactus Ave	Heacock St	Indian St	22,632	220	29	97	584	20	48	0	24,710	201	33	88
148	Heacock St	Cactus Ave	John F Kennedy Dr	26,916	269	154	1,002	68	3	12	143	27,618	225	127	559
149	Cactus Ave	Indian St	Perris Blvd	19,517	163	23	84	684	24	55	0	19,915	151	18	77
150	Indian St	Cactus Ave	John F Kennedy Dr	11,871	130	20	12	0	0	0	0	14,683	131	37	12
151	Cactus Ave	Perris Blvd	Kitching St	17,599	150	8	0	736	27	59	0	17,685	132	0	0
152	Perris Blvd	Cactus Ave	John F Kennedy Dr	28,086	269	165	147	34	3	11	277	31,154	222	107	55
153	Cactus Ave	Kitching St	Lasselle St	13,127	46	9	0	888	33	63	0	13,499	39	6	0
154	Kitching St	Cactus Ave	John F Kennedy Dr	8,770	96	1	0	0	0	0	0	9,510	95	0	0
155	Cactus Ave	Lasselle St	Morrison St	11,429	49	17	0	2,014	72	87	0	11,416	6	0	0
156	Lasselle St	Cactus Ave	John F Kennedy Dr	25,966	169	36	0	981	32	74	0	27,289	156	30	0
157	Cactus Ave	Morrison St	Nason St	9,297	60	16	0	2,282	96	92	0	8,369	2	0	0
158	E 6th St	Beaumont Ave	Pennsylvania Ave	15,809	190	78	188	334	9	24	29	18,051	185	75	178
159	Beaumont Ave	E 6th St	I-10	15,198	81	44	196	566	9	25	28	18,375	83	44	159
160	Kitching St	Gentian Ave	Iris Ave	6,171	94	6	12	0	0	0	0	6,383	82	0	12
161	Iris Ave	Perris Blvd	Kitching St	18,921	173	57	30	871	57	165	0	17,687	139	29	30
162	Iris Ave	Kitching St	Lasselle St	21,674	179	79	0	2,350	142	424	0	23,139	161	78	0
163	Kitching St	Iris Ave	Ivory Ave	18,178	262	61	0	1,410	82	255	0	20,859	251	86	0
164	Lasselle St	Gentian Ave	Iris Ave	22,138	101	15	0	19	2	4	0	22,932	92	21	0
165	Iris Ave	Lasselle St	Nason St	23,901	179	156	0	6,773	284	730	0	27,903	113	152	0
168	Krameria Ave	Perris Blvd	Lasselle St	12,841	214	98	0	1,314	77	242	0	15,466	196	113	0
169	Krameria Ave	Kitching St	Lasselle St	7,201	57	16	0	0	0	0	0	7,552	36	12	0
170	Kitching St	Krameria Ave	Lurin Ave	21,170	200	12	0	0	0	0	0	21,170	200	12	0
171	Lasselle St	Cahuilla Dr	Krameria Ave	24,064	170	62	0	4,159	127	294	0	25,553	129	47	0
172	Lasselle St	Krameria Ave	Arroyo Park Dr	12,527	111	59	12	3,928	121	290	0	13,986	83	48	12
173	Oleander Ave	Perris Blvd	Lasselle St												
174	Oleander Ave	Lasselle St	Lake Perris Dr												
177	San Timoteo Canyon Rd	Alessandro Rd	Live Oak Canyon Rd	15,849	109	100	90	2,577	174	501	622	14,846	49	36	75

178	Live Oak Canyon Rd	San Timoteo Canyon Rd	I-10	4,624	51	21	29	395	24	52	83	4,437	37	0	0
179	San Timoteo Canyon Rd	Live Oak Canyon Rd	Redlands Blvd	19,075	160	122	101	2,995	200	555	706	17,775	86	47	56
180	San Timoteo Canyon Rd	Redlands Blvd	Woodhouse Rd	3,597	5	13	32	182	4	7	5	4,026	0	10	45
181	Potrero Blvd	north of SR 60 WB Ramps													
182	SR 60 WB Onramp	west of Potrero Blvd													
183	SR 60 WB Offramp	east of Potrero Blvd													
184	SR 60 EB Offramp	west of Potrero Blvd													
185	SR 60 EB Onramp	east of Potrero Blvd													
186	Potrero Blvd	south of SR 60 EB Ramps	W 4th St												
190	Gilman Springs Rd	Jack Rabbit Trail	Bridge St	13,333	224	48	36	5,669	127	355	409	12,501	187	20	0
191	Gilman Springs Rd	Bridge St	Beaumont Ave	12,485	189	48	36	4,653	107	318	305	11,245	154	9	0
192	Bridge St	Gilman Springs Rd	Marvin Rd	1,583	41	9	38	1,016	20	36	93	1,733	33	0	22
194	Crescent Ave	West of Alessandro Rd		2,651	18	13	0	549	37	100	0	2,806	5	6	0
195	Crescent Ave	Alessandro Rd	Center St	7,507	24	34	0	960	52	150	0	6,966	0	5	0
196	Alessandro Rd	Crescent Ave	Sunset Dr	7,453	49	48	0	1,509	92	250	0	6,545	20	22	0
198	Sunset Dr	Crown St	Alessandro Rd	259	0	0	0	0	0	0	0	259	0	0	0
199	Sunset Dr	Alessandro Rd	Cameo Dr	827	2	4	0	248	7	13	0	811	0	0	0
200	Alessandro Rd	Sunset Dr	San Timoteo Canyon Rd	8,011	59	55	0	1,836	107	272	0	7,051	21	18	0
205	Reche Canyon Rd	Keissel Rd	Reche Vista Dr	21,825	128	73	0	423	25	75	0	23,515	128	83	0
206	Reche Canyon Rd	Reche Vista Dr	High Country Dr	278	24	0	0	0	0	0	0	283	24	0	0
207	Reche Vista Dr	Heacock St	Reche Canyon Rd	21,769	152	73	0	423	25	75	0	23,459	152	83	0
215	Mission Grove Pkwy	Cannon Rd	Alessandro Blvd	8,590	24	4	4	37	1	0	0	8,962	23	0	0
216	Alessandro Blvd	Trautwein Rd	Vista Grande Dr	52,701	337	205	235	369	11	31	34	55,964	319	166	186
217	Mission Grove Pkwy	Alessandro Blvd	Northrop Dr	17,605	116	29	24	446	13	30	48	18,556	102	19	42
218	Alessandro Blvd	Canyon Crest Dr	Trautwein Rd	59,271	433	214	247	164	5	19	16	62,825	422	170	193
219	Trautwein Rd	Alessandro Blvd	Orange Terrace Pkwy	11,053	74	3	3	18	0	0	1	11,605	71	0	11
221	Canyon Crest Dr	Central Ave	Alessandro Blvd	12,857	94	21	34	10	0	0	0	13,313	95	24	24
223	Canyon Crest Dr	Alessandro Blvd	Sandtrack Rd	850	0	0	0	21	0	0	0	946	0	0	0
225	Via Vista Dr	Alessandro Blvd	Canyon Crest Dr	2,568	12	0	0	0	0	0	0	2,754	12	0	0
226	Alessandro Blvd	Century Ave	Canyon Crest Dr	56,805	369	203	228	124	5	19	16	59,919	368	171	174
227	Via Vista Dr	Alessandro Blvd	Canyon Hill Dr	3,434	0	0	0	0	0	0	0	3,434	0	0	0
229	Century Ave	Alessandro Blvd	Claridge Dr	2,128	3	3	3	7	0	0	0	2,516	2	1	1
230	Century Ave	Trafalgar Ave	Alessandro Blvd	1,855	0	0	0	56	0	0	0	1,938	0	0	0
231	Alessandro Blvd	Victoria Ave	Arlington Ave/Chicago	41,665	82	152	194	106	2	6	8	45,149	84	167	211
232	Chicago Ave	Alessandro Blvd	Central Ave	36,280	227	147	202	801	20	64	112	37,253	203	116	59
233	Alessandro Blvd	Arlington Ave/Chicago Ave	Century Ave	59,705	293	227	255	137	6	19	16	62,640	285	195	201
236	Victoria Ave	Central Ave	Arlington Ave	8,517	66	37	11	21	1	3	3	9,226	59	36	0
237	Arlington Ave	Victoria Ave	Alessandro Blvd	40,901	228	213	264	676	21	75	117	40,710	200	133	66
238	Victoria Ave	Arlington Ave	Maude St	15,833	245	77	35	302	7	28	34	17,160	246	78	29
239	Arlington Ave	Maude St	Victoria Ave	34,541	224	147	212	340	12	43	79	33,866	213	62	19
240	Durango Rd	Laramie Rd	Arlington Ave	2,683	10	10	10	0	0	0	0	2,820	0	0	0
241	Horace St	Arlington Ave	Victoria Ave	5,200	55	10	14	1	0	0	0	5,498	47	0	0
242	Arlington Ave	Magnolia Ave	SR-91 WB On-Ramps	38,779	350	129	196	350	12	43	79	38,156	337	64	42
243	Riverside Dr	SR-91 WB Off-Ramps	Arlington Ave	12,580	116	33	33	27	1	4	9	13,003	112	28	15
244	SR-91 WB On-Ramps	Arlington Ave	SR-91	18,716	142	82	152	19	2	0	10	18,695	140	0	0
245	SR-91 EB On-Ramps	SR-91	Arlington Ave	23,252	260	46	138	73	2	11	29	23,031	258	19	85
246	Indiana Ave	Arlington Ave	SR-91 EB Off-Ramps	17,550	235	86	137	36	2	9	22	17,943	246	63	61
247	Arlington Ave	SR-91 WB On-Ramps	SR-91 EB On-Ramps	41,909	377	133	180	337	11	39	70	41,271	365	68	57
250	Country Club Dr	Chicago Ave	Canyon Crest Dr	3,033	24	2	2	0	0	0	0	3,281	24	0	0
252	Central Ave	Chicago Ave	Canyon Crest Dr	26,152	162	116	172	841	20	65	114	27,084	144	83	39
254	Canyon Crest Dr	Martin Luther King Blvd	Central Ave	18,946	179	49	64	4	0	0	0	19,573	178	48	59
256	Canyon Crest Dr	Central Ave	Country Club Dr	20,539	82	47	64	293	6	7	10	20,876	80	44	54
258	El Cerrito Dr	Canyon Crest Dr	Central Ave	6,775	31	8	26	2	0	0	0	6,629	24	0	12

260	Central Ave	Canyon Crest Dr	I-215	25,816	186	102	173	1,148	27	72	126	27,507	170	87	63
261	Lochmoor Dr	Central Ave	Fair Isle Dr	9,741	57	104	180	166	7	23	60	13,029	46	104	110
262	Sycamore Canyon Blvd	Central Ave	College Blvd	16,341	169	118	251	318	11	37	90	20,146	139	75	0
263	Central Ave	Sycamore Canyon Blvd	I-215 SB Ramps	21,960	107	117	176	1,224	32	90	161	25,521	107	131	215
264	I-215 SB Off-Ramps	I-215	Central Ave	2,942	48	34	8	0	0	0	0	2,478	48	24	0
265	Central Ave	I-215 SB Ramps	I-215 NB Ramps	19,574	52	135	140	659	20	60	107	21,243	43	135	161
266	I-215 SB On-Ramps	Central Ave	I-215	27,050	144	146	254	1,680	47	138	221	23,232	77	42	15
267	Watkins Dr	I-215 NB On-Ramp	I-215 NB Off-Ramp	18,138	67	155	168	263	12	41	71	19,619	44	123	122
268	I-215 NB Off-Ramp	Watkins Dr	I-215	6,464	3	46	48	1,092	16	86	148	5,165	0	0	0
269	Martin Luther King Blvd	SR-91	Chicago Ave	35,668	314	115	253	749	29	107	283	34,750	272	44	69
270	Chicago Ave	University Ave	Martin Luther King Blvd	26,869	290	45	53	15	1	2	3	28,889	285	59	57
271	Martin Luther King Blvd	Chicago Ave	Iowa Ave	31,676	214	113	243	764	30	108	286	30,805	166	50	56
272	Chicago Ave	Martin Luther King Blvd	Central Ave	27,693	183	39	41	0	0	0	0	29,229	185	42	48
273	Iowa Ave	University Ave	Martin Luther King Blvd	15,295	98	26	25	10	0	2	3	16,156	95	23	21
274	Martin Luther King Blvd	Iowa Ave	Canyon Crest Dr	40,013	282	139	261	786	31	112	290	40,628	230	75	62
275	Canyon Crest Dr	Campus Dr	Martin Luther King Blvd	14,663	173	103	229	46	5	15	55	14,812	125	34	27
276	Martin Luther King Blvd	Canyon Crest Dr	I-215 SB Ramps	32,383	203	113	282	775	31	112	262	29,338	170	20	0
277	Canyon Crest Dr	Martin Luther King Blvd	Central Ave	25,594	183	30	47	8	0	0	1	26,755	189	24	35
278	I-215 SB Off-Ramp	I-215	Martin Luther King Blvd	6,310	24	0	22	0	0	0	0	6,372	24	0	0
279	Martin Luther King Blvd	I-215 SB Ramps	I-215 NB Ramps	9,430	108	16	49	251	9	31	84	9,031	103	0	5
280	I-215 SB On-Ramp	Martin Luther King Blvd	I-215	35,958	164	102	236	905	35	118	306	30,177	119	0	0
281	I-215 NB On-Ramp	I-215	Martin Luther King Blvd	10,180	24	12	42	30	1	0	12	9,410	23	0	12
282	I-215 NB Off-Ramp	Martin Luther King Blvd	I-215	10,008	196	44	100	489	18	64	136	10,547	178	2	0
283	SR-60 EB Off-Ramp	SR-60	Heacock St	24,946	132	108	460	11	1	6	24	23,401	93	42	0
284	SR-60 EB On-Ramp	Heacock St	SR-60	13,004	124	96	442	1,520	45	30	146	13,252	25	0	0
285	Heacock St	SR-60 EB Ramps	Sunnymead Blvd	34,405	315	98	254	477	20	47	217	35,112	269	50	99
286	Perris Blvd	Hemlock Ave	SR-60 WB Ramps	37,372	355	109	39	1,173	44	98	12	37,485	313	82	30
287	Perris Blvd	SR-60 WB Ramps	Sunnymead Blvd	40,883	309	189	106	946	38	76	193	40,611	246	140	46
288	Sunnymead Blvd	SR-60 WB Off-Ramp	Perris Blvd	25,965	89	204	176	307	12	29	24	25,823	77	178	135
289	Sunnymead Blvd	Perris Blvd	SR-60 WB On-Ramp	20,396	122	81	68	1,020	40	81	154	19,998	95	38	46
290	Perris Blvd	Sunnymead Blvd	Fir Ave	33,351	178	241	226	541	25	46	311	32,724	122	157	110
294	Via Del Lago	South of Iris Ave		1,670	27	4	0	81	3	2	0	1,655	22	0	0
301	John F. Kennedy Dr	Indian St	Perris Blvd	16,435	29	32	0	619	19	59	0	16,094	26	24	0
302	John F. Kennedy Dr	Perris Blvd	Kitching St	15,765	79	32	0	653	19	59	0	16,847	68	23	0
303	Perris Blvd	John F. Kennedy Dr	Iris Ave	27,135	201	214	197	38	2	8	274	30,518	169	175	108
304	Iris Ave	Indian St	Perris Blvd	13,550	80	30	47	35	13	27	0	13,865	52	14	47
306	Perris Blvd	Iris Ave	Krameria Ave	24,541	247	181	182	776	41	139	271	23,450	197	98	98
307	Perris Blvd	Krameria Ave	Harley Know Blvd	25,300	295	198	158	1,751	88	273	271	26,354	256	157	74
324	Ramona Expy	Warren Rd	Sanderson Ave	13,735	259	83	272	46	1	1	1	13,969	261	87	318
325	Sanderson Ave	Gilman Springs Rd	Ramona Expy	35,632	413	120	1,023	2,204	48	146	181	36,210	409	83	554
326	Ramona Expy	Sanderson Ave	State St	14,974	283	71	165	123	2	4	4	14,912	283	71	310
327	Sanderson Ave	Ramona Expy	Ramona Blvd	17,688	201	24	177	1,995	45	139	173	17,140	193	10	155
340	Alessandro Blvd	South of San Timoteo Canyon Rd		366	0	0	0	0	0	0	0	366	0	0	0
351	Live Oak Canyon Rd	South of San Timoteo Canyon Rd		709	2	2	2	23	0	0	0	756	0	0	0
358	Gilman Springs Rd	Bridge St	SR-79 SB Ramps	12,784	201	36	36	4,648	106	314	304	11,551	166	0	0
359	SR-79 SB Off-Ramp	SR-79	Gilman Springs Rd	10,294	128	100	224	115	1	0	0	5,077	93	0	0
360	Gilman Springs Rd	SR-79 SB Ramps	SR-79 NB Ramps	13,526	148	47	18	3,387	81	226	176	9,788	116	0	0
361	SR-79 SB On-Ramp	Gilman Springs Rd	SR-79	8,798	166	36	24	2,408	50	154	195	8,666	154	30	3
362	SR-79 NB On-Ramp	SR-79	Gilman Springs Rd	5,421	80	72	183	49	0	1	1	5,532	59	34	82
363	Gilman Springs Rd	SR-79 NB Ramps	Record Rd	16,387	212	65	12	2,400	56	159	83	13,156	185	0	0
364	SR-79 NB Off-Ramp	Gilman Springs Rd	SR-79	2,167	24	6	12	2,001	36	55	69	381	0	0	0
365	Alessandro Blvd	Sycamore Canyon Blvd	Vista Grande Dr	52,744	509	243	265	910	28	68	90	56,553	478	204	209
366	Sycamore Canyon Blvd	Eastridge Ave	Alessandro Blvd	7,822	196	92	134	23	1	3	22	6,561	187	91	170

367	Meridian Pkwy	Alessandro Blvd	Cactus Ave	6,393	63	27	75	0	0	0	0	8,143	59	37	84
375	Mid County Pkwy WB On-Ramp	Mid County Pkwy	3rd St												
376	3rd St	Marvin Rd	Mid County Pkwy WB Ramps												
377	Mid County Pkwy WB Off-Ramp	Mid County Pkwy	3rd St												
378	3rd St	Mid County Pkwy EB Ramps	Mid County Pkwy WB Ramps												
379	Mid County Pkwy EB Off-Ramp	Mid County Pkwy	3rd St												
380	Mid County Pkwy EB On-Ramp	3rd St	Mid County Pkwy												
381	3rd St	Mid County Pkwy EB Ramps	MM Blvd												
386	Harley Know Blvd	Indian St	Perris Blvd	4,810	84	73	143	3	1	2	1	5,777	82	71	141
387	Perris Blvd	Krameria Ave	Harley Know Blvd	20,971	224	116	354	1,323	54	179	150	20,560	199	64	301
388	Krameria Ave	Lasselle St	Spirit Rd	1,947	0	0	0	0	0	0	0	1,947	0	0	0
389	El Cerrito Dr	South of Central Ave		3,998	34	18	26	24	1	1	3	4,153	35	23	23
390	Ramona Expy	Webster Ave	Indian St	26,939	472	109	878	489	21	55	22	28,260	470	126	928
392	Ramona Expy	Indian St	Perris Blvd	26,834	425	118	492	296	26	104	40	28,260	451	138	566
393	Indian St	Ramona Expy	Morgan St	3,358	433	143	528	55	11	78	70	3,659	349	93	444
394	Perris Blvd	Harley Know Blvd	Ramona Expy	18,431	191	131	283	1,272	52	175	130	15,688	168	79	244
396	Perris Blvd	Ramona Expy	Rider St	23,726	279	130	90	1,998	70	211	49	20,998	224	45	76
397	Ramona Expy	Perris Blvd	Evans Rd	27,472	332	113	339	1,731	61	189	19	28,887	327	118	368
398	Evans Rd	Marbella Gate	Ramona Expy	11,859	128	36	0	3,583	111	163	0	10,232	52	0	0
399	Ramona Expy	Evans Rd	Rider St	17,666	307	59	225	187	5	9	1	20,487	303	66	271
400	Evans Rd	Ramona Expy	Rider St	12,680	108	9	6	612	16	23	1	13,044	103	7	6
401	Morgan St	Indian St	Perris Blvd	4,203	84	86	116	1	0	2	1	3,268	83	46	83
402	Morgan St	Perris Blvd	Silver Creek Industries	1,209	70	24	0	0	0	0	0	1,341	70	24	0
404	Morgan St	Morgan Park	Evans Rd	3,651	12	12	0	0	0	0	0	3,783	12	12	0
405	Morgan St	Evans Rd	Bradley Rd	6,891	22	0	12	227	11	7	5	7,290	7	0	10
406	Ironwood Ave	East of Thedore St		788	124	20	12	98	11	7	4	787	109	9	0
407	Rider St	Indian St	Perris Blvd	3,873	40	8	30	0	0	0	0	4,251	36	13	37
408	Rider St	Perris Blvd	Redlands Ave	8,130	96	0	0	10	0	0	1	8,155	107	0	0
409	Ironwood Ave	Nason St	Moreno Beach Dr	5,777	10	55	0	210	9	14	0	6,681	11	74	0
410	Rider St	Wilson Ave	Evans Rd	11,717	59	0	12	330	11	14	0	11,641	56	0	12
411	Rider St	Evans Rd	Ramona Expy	6,125	24	0	24	6	0	0	0	6,129	24	0	24
412	Maude St	North of Arlington Ave		212	0	0	0	0	0	0	0	212	0	0	0
413	Placentia Ave	Indian St	Perris Blvd	8,527	132	139	196	114	4	11	14	8,276	92	64	61
414	Placentia Ave	Perris Blvd	Redlands Ave	5,032	18	0	0	7	0	0	1	4,890	12	0	0
415	Perris Blvd	Placentia Ave	Orange Ave	28,611	271	273	322	1,732	58	167	35	29,528	184	176	155
416	Mid County Pkwy WB On-Ramp	Mid County Pkwy	Perris Blvd	7,916	66	122	182	581	25	85	16	5,189	8	22	67
417	Mid County Pkwy WB Off-Ramp	Perris Blvd	Mid County Pkwy	6,107	59	87	151	10	0	0	21	5,725	35	71	91
419	Mid County Pkwy EB Off-Ramp	Mid County Pkwy	Perris Blvd	11,009	91	150	214	815	20	68	8	8,095	10	5	51
420	Mid County Pkwy EB On-Ramp	Perris Blvd	Mid County Pkwy	6,261	47	74	119	0	0	0	5	9,853	35	71	101
421	Via Del Lago	South of Iris Ave		378	0	0	0	0	0	0	0	378	0	0	0
424	Perris Blvd	Alessandro Blvd	Cottonwood Ave	27,702	182	208	102	164	8	19	296	27,908	146	134	10
425	Mid County Pkwy WB On-Ramp	West of Evan		4,811	35	20	21	176	1	7	2	3,285	23	8	10
426	Mid County Pkwy WB Off-Ramp	East of Evan		1,683	13	12	15	2	0	0	4	2,370	12	12	10
427	Day St	south of Alessandro Blvd		1,993	41	52	131	6	1	7	4	2,298	35	31	102
428	Mid County Pkwy EB Off-Ramp	West of Evan		5,157	40	22	24	80	1	4	2	6,894	23	9	10
429	Mid County Pkwy EB On-Ramp	East of Evan		1,860	14	12	16	1	0	0	2	2,241	12	12	11
430	Alessandro Blvd	SR-215 NB Ramp	SR-215 SB Ramp	39,283	411	220	324	662	19	50	80	41,060	373	164	264
431	Placentia Ave	Water Ave	Evans Rd												
432	Placentia Ave	Evans Rd	El Nido Ave												
433	Evans Rd	Rider St	Orange Ave	5,808	42	19	20	281	5	8	2	6,159	27	13	13
434	Orange Ave	Wilson Ave	Evans Rd	5,230	59	0	13	27	0	0	1	5,595	60	0	11
435	Orange Ave	Evans Rd	Foothill Dr	2,737	24	0	12	0	0	0	0	2,966	24	0	12
436	Elsworth St	south of Cactus Ave		15,808	62	160	36	0	0	0	0	18,183	37	120	36

441	Nuevo Rd	Wilson Ave	Evans Rd	14,074	71	24	59	0	0	0	0	13,876	71	24	59
442	Evans Rd	Orange Ave	Nuevo Rd	6,203	15	3	9	84	1	3	1	6,612	12	0	6
443	Nuevo Rd	Evans Rd	Foothill Dr	10,715	47	24	47	59	1	2	0	10,694	46	24	48
444	Evans Rd	Nuevo Rd	San Jacinto Ave												
452	San Jacinto Ave	West of Evan Rd													
453	Evans Rd	North of San Jancito Ave													
454	San Jacinto Ave	East of Evan Rd													
455	Evans Rd	South of San Jancito Ave													
458	Nason St	South of Cactus Ave		6,468	47	53	0	0	0	0	0	0	0	3	0
464	Quincy	South of Eucalyptus													
477	Ellis Ave	West of Evan Rd													
478	Evans Rd	North of Ellis Ave													
479	Oliver St	South of Irris Ave		2,620	24	12	0	0	0	0	0	2,620	24	12	0
480	Ellis Ave	Evans Rd	SR-215												
481	SR-215 SB Off-ramp	SR-215	Ellis Ave												
482	Ellis Ave	East of SR-215													
483	SR-215 SB On-ramp	Ellis Ave	SR-215												
484	SR-215 NB On-ramp	Ellis Ave	SR-215												
485	SR-215 NB Off-ramp	SR-215	Ellis Ave												
488	Nason St	North of Iris Ave		6,468	47	53	0	3	0	0	0	9,201	36	62	0
494	Evans Rd	North of Harley Knox Blvd													
498	Morrison St	Alessandro Blvd	Cactus Ave												
499	Perris Blvd	Eucalyptus Ave	Cottonwood Ave	31,789	232	112	96	428	20	35	298	30,995	173	31	0
500	Perris Blvd	North of Eucalyptus Ave		31,832	236	106	108	452	22	36	304	31,514	183	30	6
502	Quincy	Cottonwood Ave	Alessandro Blvd												
503	Quincy	Alessandro Blvd	Cactus Ave												
504	Krameria Ave	west of Perris Blvd		14,053	178	149	0	242	24	94	0	13,434	114	101	0

WLC - Daily Link Forecasts - 2035

Segment ID	Segment	From	To	2035 No Project Forecasts				2035 With Project Proj Only Trips				2035 With Project Non-Proj Only Trips			
				Cars	Light Trucks	Medium Trucks	Heavy Trucks	Cars	Light Trucks	Medium Trucks	Heavy Trucks	Cars	Light Trucks	Medium Trucks	Heavy Trucks
1	Street A	State Route 60	Eucalyptus Ave	8,104	184	152	259	17,784	777	2,489	8,199	5,269	0	0	0
2	Street A	Eucalyptus Ave	Street F	1,603	29	26	6	21,648	1,594	3,016	9,717	967	0	5	0
3	Street E	west of Street A						8,651	638	1,163	3,671	0	0	0	0
4	Street E	north of Alessandro Blvd						4,797	211	415	79	0	0	0	0
5	Street E	Street D	Street A	5,397	49	55	0	7,985	371	763	79	6,142	17	39	0
6	Street A	Street F	Street C	1,662	30	26	6	8,328	532	1,079	3,148	978	0	3	0
7	Street A	south of Street C						3,336	184	374	886	0	0	0	0
8	Street D	Street E	Cactus Ave					11,410	551	1,110	0	3,418	27	41	0
9	John F Kennedy Dr	south of Cactus Ave		10,011	67	103	0	7,127	307	813	0	8,168	22	79	0
10	Redlands Blvd	Alessandro Blvd	Cactus Ave	11,057	99	107	0	1,019	43	72	0	3,458	37	49	0
11	Redlands Blvd	Dracaea Ave	Alessandro Blvd	7,797	25	18	0	257	17	17	0	4,111	41	54	0
12	Redlands Blvd	Eucalyptus Ave	Dracaea Ave	13,255	329	154	64	209	12	18	0	14,956	343	178	64
13	Redlands Blvd	State Route 60	Eucalyptus Ave	13,255	329	154	64	1,927	62	200	1,190	14,565	334	195	399
14	Eucalyptus Ave	east of Redlands Blvd						3,419	266	411	1,190	9,467	232	199	335
15	Eucalyptus Ave	west of Street A		6,746	198	134	268	3,801	676	526	1,332	5,710	0	0	0
18	Street B	east of Street A						17,784	911	2,526	8,556	3,860	42	60	79
18a	Street B	west of Gilman Springs Rd						2,230	98	210	273	2,840	32	43	21
19	Street F	east of Street A						2,926	213	465	1,507	47	0	1	2
20	Street F	north of Street C						3,300	157	324	482	47	0	1	3
21	Street C	east of Street A		7,787	81	62	23	8,060	421	893	1,331	6,651	37	17	0
22	Street C	west of Street F						8,060	421	893	1,353	3,516	28	43	6
23	Street F	Street C	Street G					4,356	253	556	1,333	230	2	6	9
24	Street C	Street F	Street H					6,511	244	512	812	3,332	27	37	0
25	Street C	Street H	Gilman Springs Rd	3,885	18	29	21	12,638	552	1,157	2,819	5,233	13	37	59
26	Street H	Street C	Street G					6,523	371	736	1,842	240	1	8	69
27	Street G	east of Street H						3,738	246	450	1,126	0	0	0	0
28	Street G	Street F	Street H					3,355	170	364	829	156	1	5	26
29	Gilman Springs Rd	State Route 60	Eucalyptus Ave	39,898	892	430	316	5,181	243	634	2,068	34,717	803	308	130
30	Gilman Springs Rd	Eucalyptus Ave	Street C	39,898	892	430	316	7,109	332	817	2,284	36,335	833	344	149
31	Gilman Springs Rd	south of Street C		47,110	434	457	12	10,077	393	761	889	49,164	305	312	0
32	Cactus Ave	west of Redlands Blvd		2,450	28	6	3	2,982	173	233	0	3,406	23	13	0
33	Alessandro Blvd	west of Redlands Blvd		5,901	40	41	3	749	24	58	0	6,004	17	19	3
35	Redlands Blvd	Ironwood Ave	State Route 60	16,892	199	72	109	656	53	131	683	15,944	152	0	83
36	Ironwood Ave	Redlands Blvd	Highland Blvd	6,759	116	64	0	2,304	139	359	0	12,948	104	102	0
37	San Timoteo Canyon Rd	West Live Oak Canyon		10,278	59	56	130	395	42	147	633	10,461	36	46	145
38	Theodore St	State Route 60	Highland Blvd	9,317	221	73	42	2,983	199	378	7	10,773	154	84	39
42	Redlands Blvd	Ironwood Ave	San Timoteo Canyon Rd	18,133	214	100	85	1,928	146	409	683	16,448	145	14	53
43	Moreno Beach Dr	Alessandro Blvd	SR 60	20,631	247	30	84	356	15	26	121	22,104	239	48	105
46	Moreno Beach Dr	State Route 60	Ironwood Ave	23,886	261	217	66	866	50	120	65	27,726	189	184	62
47	Ironwood Ave	Moreno Beach Dr	Redlands Blvd	6,185	33	51	12	899	37	89	0	8,884	40	82	12
48	Alessandro Blvd	Lasselle St	Morrison St	22,030	328	123	419	913	34	77	113	25,531	283	103	443
50	Cactus Ave	Redlands Blvd	Street D	318	12	0	12	11,410	551	1,110	0	3,418	27	41	0
51	Moreno Beach Dr	John F Kennedy Dr	Cactus Ave	13,664	195	7	18	78	2	5	0	17,019	211	76	18
52	Moreno Beach Dr	John F Kennedy Dr	Oliver St	18,164	138	114	6	7,137	304	816	0	22,020	109	142	6
53	John F Kennedy Dr	Oliver St	Moreno Beach Dr	2,301	12	0	12	0	0	0	0	2,301	12	0	12

54	Locust Ave	Moreno Beach Dr	Smiley Blvd	7,697	103	123	0	1,583	87	256	0	12,071	87	145	0
55	Locust Ave	Moreno Beach Dr	Redlands Blvd	2,961	75	42	0	21	1	1	0	4,784	75	48	0
56	Moreno Beach Dr	Locust Ave	Ironwood Ave	10,347	133	161	0	1,576	87	255	0	16,225	128	195	0
57	Live Oak Canyon Rd	North of San Timoteo Canyon		7,856	92	63	0	1,288	88	231	0	6,284	48	10	0
58	SR 60 EB Ramps	west of Moreno Beach Dr		18,286	235	123	71	491	24	31	0	23,439	231	161	71
59	Eucalyptus Ave	Moreno Beach Dr	Quincy Dr	10,405	191	190	0	1,126	128	147	0	12,917	125	168	0
60	SR 60 WB Ramps	east of Redlands Blvd		4,806	90	72	29	332	27	69	211	5,578	55	67	17
61	SR 60 EB Ramps	west of Redlands Blvd		5,997	135	6	46	726	27	0	61	4,975	105	0	0
62	Fir Ave	Quincy Dr	Redlands Blvd	3,387	60	70	0	1,488	213	220	0	10,501	166	168	0
65	Alessandro Blvd	Nason St	Oliver St	10,763	218	47	31	1,043	39	84	113	11,984	197	37	48
66	Alessandro Blvd	Oliver St	Moreno Beach Dr	9,364	160	30	25	1,194	49	101	113	9,940	131	3	48
67	Oliver St	Alessandro Blvd	Cactus Ave	1,422	12	0	0	0	0	0	0	1,484	12	0	0
68	Moreno Beach Dr	Alessandro Blvd	Cactus Ave	19,959	277	44	36	763	34	68	0	24,435	274	96	36
69	Cactus Ave	Nason St	Oliver St	10,832	78	26	4	1,055	57	93	0	11,279	61	22	4
70	Cactus Ave	Oliver St	Moreno Beach Dr	11,410	106	33	0	2,214	132	168	0	12,896	90	33	0
71	Oliver St	Cactus Ave	John F Kennedy Dr	4,909	12	0	0	631	43	25	0	4,900	0	0	0
72	Oliver St	John F Kennedy Dr	Iris Ave	4,658	12	6	0	0	0	0	0	5,487	12	0	0
73	Iris Ave	Nason St	Oliver St	20,611	150	164	0	7,085	302	815	0	27,137	102	192	0
74	Heacock St	Manzanita Ave	Ironwood Ave	21,004	189	25	12	563	17	27	1	20,584	182	33	12
75	Ironwood Ave	Graham St	Heacock St	15,815	64	25	1	124	6	7	2	15,950	44	11	0
76	Ironwood Ave	Heacock St	Indian Ave	14,303	147	20	6	24	2	4	0	16,287	140	10	0
77	Heacock St	Ironwood Ave	Hemlock Ave	22,149	260	34	12	666	21	31	6	22,793	251	56	8
80	Heacock St	Hemlock Ave	SR 60 WB Ramps	26,506	213	93	19	781	27	41	12	26,930	201	88	6
81	SR 60 WB Ramps	west of Heacock St		18,360	284	10	82	0	0	0	0	18,360	284	24	94
82	SR 60 WB Ramps	east of Heacock St		10,656	80	70	76	993	38	69	91	7,415	60	65	63
83	Heacock St	SR 60 WB Ramps	SR 60 EB Ramps	28,856	310	71	45	353	16	27	59	29,146	298	80	48
85	SR 60 WB Onramp	west of Perris Blvd		17,606	166	0	94	0	0	0	0	17,606	166	24	94
86	SR 60 WB Offramp	east of Perris Blvd		8,092	82	48	332	811	38	32	700	5,019	50	0	188
87	Eucalyptus Ave	Indian St	Perris Blvd	7,241	39	17	0	69	4	10	0	7,467	34	9	0
88	Eucalyptus Ave	Perris Blvd	Kitching St	6,731	17	5	12	66	4	9	0	6,842	10	10	12
95	W 6th St	I-10	N California Ave	12,674	174	193	670	652	14	36	47	9,276	79	65	226
96	N California Ave	W 6th St	E 8th St	1,204	24	0	59	150	2	4	3	1,227	24	0	60
97	E 6th St	N California Ave	Beaumont Ave	16,320	189	191	622	479	11	29	41	17,294	139	131	304
98	N California Ave	W 6th St	I-10	5,066	50	83	122	13	0	2	1	2,551	1	13	23
99	Beaumont Ave	E 6th St	E 8th St	26,210	285	149	161	326	6	12	13	28,214	235	118	104
100	I-215 SB Ramps	north of Alessandro Blvd		7,151	236	12	39	93	3	8	34	7,148	235	10	31
101	Alessandro Blvd	Sycamore Canyon Blvd	I-215 SB Ramps	45,466	467	278	244	542	19	53	89	46,479	417	186	184
102	I-215 SB Ramps	south of Alessandro Blvd		17,690	198	154	186	0	0	0	0	17,452	190	118	118
103	I-215 NB Ramps	north of Alessandro Blvd		13,854	236	48	142	281	11	28	78	13,981	233	46	142
104	Alessandro Blvd	I-215 NB Ramps	Old 215 Frontage Rd	37,045	338	178	150	545	19	56	73	36,873	284	102	135
105	I-215 SB Ramps	south of Alessandro Blvd		18,350	386	162	266	0	0	0	0	18,030	354	70	142
106	Old 215 Frontage Rd	Eucalyptus Ave	Alessandro Blvd	8,129	76	12	24	15	0	1	0	10,038	84	26	24
107	Alessandro Blvd	Old 215 Frontage Rd	Day St	30,915	282	124	120	567	20	59	72	33,095	237	98	112
108	Old 215 Frontage Rd	Alessandro Blvd	Cactus Ave	11,551	195	126	77	12	1	2	0	14,933	183	112	77
109	Day St	Cottonwood Ave	Alessandro Blvd	16,353	122	154	0	67	4	10	0	22,516	103	163	0
110	Alessandro Blvd	Day St	Elsworth St	36,457	323	233	300	575	20	60	72	39,628	267	194	183
111	Elsworth St	Cottonwood Ave	Alessandro Blvd	10,219	101	36	0	1	0	0	0	12,354	118	59	0
112	Alessandro Blvd	Elsworth St	Frederick St	35,241	272	182	249	585	21	67	113	34,383	206	102	92
113	Elsworth St	Alessandro Blvd	Cactus Ave	14,216	135	66	100	18	3	10	21	15,524	111	61	90
114	Frederick St	Cottonwood Ave	Alessandro Blvd	19,231	104	48	71	30	3	8	48	21,304	103	51	83
115	Alessandro Blvd	Frederick St	Graham St	34,343	277	133	120	604	21	63	88	36,380	237	109	104

116	Frederick St	Alessandro Blvd	Cactus Ave	9,841	58	28	47	0	0	0	3	12,199	54	30	36
117	Graham St	Cottonwood Ave	Alessandro Blvd	11,983	76	29	12	24	1	1	0	14,057	58	35	12
118	Alessandro Blvd	Graham St	Heacock St	37,534	277	132	42	638	24	70	109	35,782	229	90	45
119	Graham St	Alessandro Blvd	Cactus Ave	18,682	90	89	115	7	1	3	13	20,319	64	74	73
120	Heacock St	Cottonwood Ave	Alessandro Blvd	17,162	265	57	14	45	3	9	48	17,454	258	54	39
121	Alessandro Blvd	Heacock St	Indian St	34,134	370	120	72	671	24	68	94	35,522	341	96	95
122	Heacock St	Alessandro Blvd	Cactus Ave	11,354	115	27	12	5	1	3	19	13,595	117	39	9
123	Indian St	Cottonwood Ave	Alessandro Blvd	15,615	120	59	47	35	2	2	0	18,092	116	80	47
124	Alessandro Blvd	Indian St	Perris Blvd	34,738	305	161	82	717	27	71	94	36,753	261	141	82
125	Indian St	Alessandro Blvd	Cactus Ave	14,697	107	50	24	11	1	1	0	17,625	105	70	24
126	Alessandro Blvd	Perris Blvd	Kitching St	29,117	220	137	51	774	29	73	112	31,352	174	113	62
127	Perris Blvd	Alessandro Blvd	Cactus Ave	33,499	342	249	318	31	3	10	627	38,626	304	214	289
128	Kitching St	Cottonwood Ave	Alessandro Blvd	11,977	74	32	12	13	0	1	0	13,706	61	38	12
129	Alessandro Blvd	Kitching St	Lasselle St	28,244	287	135	88	834	31	75	111	31,727	240	106	106
130	Kitching St	Alessandro Blvd	Cactus Ave	9,357	41	12	0	62	3	1	0	11,215	46	24	0
131	Lasselle St	Cottonwood Ave	Alessandro Blvd	7,647	37	7	12	28	1	0	0	9,079	46	12	12
133	Lasselle St	Alessandro Blvd	Cactus Ave	11,853	118	0	95	74	4	0	0	11,779	114	0	95
134	Morrison St	Cottonwood Ave	Alessandro Blvd	7,058	139	26	0	148	6	8	0	8,112	124	19	0
135	Alessandro Blvd	Morrison St	Nason St	15,947	218	76	308	1,065	40	86	113	17,845	179	57	325
136	Nason St	Cottonwood Ave	Alessandro Blvd	24,058	203	235	0	44	3	4	0	26,576	139	207	0
137	Nason St	Alessandro Blvd	Cactus Ave	29,365	250	271	0	19	1	2	0	33,086	182	231	0
138	I-215 SB Ramps	north of Cactus Ave		15,904	164	436	484	6	1	5	30	6,562	117	255	200
139	Cactus Ave	Meridian Pkwy	I-215 SB Ramps	21,620	304	257	377	256	10	31	33	25,182	256	205	225
140	I-215 SB Ramps	south of Cactus Ave		33,118	284	248	162	216	8	17	0	41,216	258	227	70
141	Cactus Ave	I-215 NB Ramps	Elsworth St	51,579	536	501	467	398	15	38	14	50,843	450	307	308
142	I-215 NB Ramps	south of Cactus Ave		15,456	167	239	272	16	1	5	7	18,558	132	167	148
143	Cactus Ave	Elsworth St	Frederick St	33,197	318	112	279	541	22	58	8	34,006	312	119	258
144	Cactus Ave	Frederick St	Graham St	39,275	343	175	223	549	23	63	5	42,107	330	189	204
145	Cactus Ave	Graham St	Heacock St	31,421	324	97	143	567	26	71	1	34,242	320	137	141
146	Riverside Dr	Cactus Ave	Meyer Dr	17,361	66	79	0	4	0	1	0	17,413	59	69	0
147	Cactus Ave	Heacock St	Indian St	20,964	216	16	51	617	30	77	2	20,304	198	11	52
148	Heacock St	Cactus Ave	John F Kennedy Dr	19,057	188	56	94	0	0	0	5	22,420	200	106	92
149	Cactus Ave	Indian St	Perris Blvd	17,481	149	11	31	679	34	81	4	17,383	132	0	38
150	Indian St	Cactus Ave	John F Kennedy Dr	12,978	140	40	12	0	0	0	0	16,086	141	59	12
151	Cactus Ave	Perris Blvd	Kitching St	18,039	154	12	0	711	36	85	0	17,486	133	0	0
152	Perris Blvd	Cactus Ave	John F Kennedy Dr	32,585	315	235	347	24	3	9	620	36,191	257	192	330
153	Cactus Ave	Kitching St	Lasselle St	14,005	54	16	0	832	41	87	0	14,341	39	7	0
154	Kitching St	Cactus Ave	John F Kennedy Dr	10,162	105	11	0	2	0	0	0	12,925	118	24	0
155	Cactus Ave	Lasselle St	Morrison St	12,235	69	25	0	1,255	60	108	0	15,731	61	44	0
156	Lasselle St	Cactus Ave	John F Kennedy Dr	19,918	142	0	0	309	15	18	0	22,314	140	17	0
157	Cactus Ave	Morrison St	Nason St	17,586	144	77	0	1,445	74	125	0	19,134	107	62	0
158	E 6th St	Beaumont Ave	Pennsylvania Ave	27,016	276	240	694	383	9	26	42	30,136	220	215	430
159	Beaumont Ave	E 6th St	I-10	23,201	153	142	257	256	5	13	19	26,957	130	151	246
160	Kitching St	Gentian Ave	Iris Ave	7,796	103	8	12	0	0	0	0	8,543	106	0	12
161	Iris Ave	Perris Blvd	Kitching St	21,515	156	92	30	1,606	75	251	0	23,267	160	108	30
162	Iris Ave	Kitching St	Lasselle St	34,942	284	268	0	3,908	191	602	0	41,933	242	292	0
163	Kitching St	Iris Ave	Ivory Ave	23,183	326	187	0	2,302	116	351	0	24,385	276	189	0
164	Lasselle St	Gentian Ave	Iris Ave	19,446	86	3	0	63	5	5	0	20,627	79	12	0
165	Iris Ave	Lasselle St	Nason St	37,344	290	369	0	6,895	291	810	0	46,681	197	377	0
168	Krameria Ave	Perris Blvd	Lasselle St	6,786	123	25	0	377	23	77	0	8,642	134	44	0
169	Krameria Ave	Kitching St	Lasselle St	4,355	12	0	0	0	0	0	0	4,381	12	0	0

170	Kitching St	Krameria Ave	Lurin Ave	37,776	390	203	0	1,925	94	274	0	41,381	306	179	0
171	Lasselle St	Cahuilla Dr	Krameria Ave	24,987	182	89	0	2,758	84	197	0	27,379	132	74	0
172	Lasselle St	Krameria Ave	Arroyo Park Dr	15,259	140	85	12	2,758	84	197	0	17,512	98	69	12
173	Oleander Ave	Perris Blvd	Lasselle St	4,849	28	35	6	40	0	1	1	6,014	24	23	11
174	Oleander Ave	Lasselle St	Lake Perris Dr	1,691	7	3	0	15	0	1	0	1,459	0	0	0
177	San Timoteo Canyon Rd	Alessandro Rd	Live Oak Canyon Rd	16,272	119	118	117	1,683	130	378	633	14,703	55	50	133
178	Live Oak Canyon Rd	San Timoteo Canyon Rd	I-10	4,192	48	9	13	166	10	23	45	4,766	42	5	6
179	San Timoteo Canyon Rd	Live Oak Canyon Rd	Redlands Blvd	18,800	165	125	111	1,849	141	401	678	17,567	96	49	121
180	San Timoteo Canyon Rd	Redlands Blvd	Woodhouse Rd	3,603	7	40	102	46	0	6	4	4,072	0	31	102
181	Potrero Blvd	north of SR 60 WB Ramps		39,163	434	601	445	2,148	72	183	231	43,464	254	434	219
182	SR 60 WB Onramp	west of Potrero Blvd		13,318	149	260	240	3,256	110	291	285	11,055	36	57	0
183	SR 60 WB Offramp	east of Potrero Blvd		2,033	23	40	36	0	0	0	0	1,392	12	24	24
184	SR 60 EB Offramp	west of Potrero Blvd		12,864	141	244	232	3,277	111	286	244	14,333	10	0	0
185	SR 60 EB Onramp	east of Potrero Blvd		6,153	76	114	86	0	0	0	0	4,130	35	71	47
186	Potrero Blvd	south of SR 60 EB Ramps	W 4th St	31,046	362	484	415	1,058	37	104	121	35,340	222	349	203
190	Gilman Springs Rd	Jack Rabbit Trail	Bridge St	25,191	233	178	36	7,095	166	524	836	26,768	220	155	0
191	Gilman Springs Rd	Bridge St	Beaumont Ave	21,454	189	110	36	5,544	133	457	584	21,227	167	81	0
192	Bridge St	Gilman Springs Rd	Marvin Rd	7,249	91	71	74	1,550	33	67	264	9,241	75	62	115
194	Crescent Ave	West of Alessandro Rd		2,964	19	13	1	308	26	65	0	3,238	6	0	0
195	Crescent Ave	Alessandro Rd	Center St	7,596	31	37	1	704	46	130	0	6,836	0	0	0
196	Alessandro Rd	Crescent Ave	Sunset Dr	7,280	54	47	0	1,012	74	206	0	5,886	10	2	0
198	Sunset Dr	Crown St	Alessandro Rd	359	2	2	0	49	2	4	0	372	0	0	0
199	Sunset Dr	Alessandro Rd	Cameo Dr	1,138	6	14	0	227	8	20	0	1,272	0	9	0
200	Alessandro Rd	Sunset Dr	San Timoteo Canyon Rd	8,080	68	63	0	1,288	88	231	0	6,508	24	10	0
205	Reche Canyon Rd	Keissel Rd	Reche Vista Dr	30,617	214	232	0	1,538	85	263	0	39,513	206	308	0
206	Reche Canyon Rd	Reche Vista Dr	High Country Dr	8,535	119	125	0	1,521	83	255	0	13,211	101	158	0
207	Reche Vista Dr	Heacock St	Reche Canyon Rd	23,374	152	109	0	17	2	9	0	27,897	153	150	0
215	Mission Grove Pkwy	Cannon Rd	Alessandro Blvd	10,485	34	13	12	91	2	2	2	12,754	35	23	23
216	Alessandro Blvd	Trautwein Rd	Vista Grande Dr	61,973	424	373	410	382	12	41	70	64,267	341	251	238
217	Mission Grove Pkwy	Alessandro Blvd	Northrop Dr	17,463	112	27	22	173	6	16	33	22,017	130	46	59
218	Alessandro Blvd	Canyon Crest Dr	Trautwein Rd	69,518	531	392	435	262	9	34	57	73,845	465	292	292
219	Trautwein Rd	Alessandro Blvd	Orange Terrace Pkwy	10,617	72	0	0	14	0	0	1	10,537	71	0	0
221	Canyon Crest Dr	Central Ave	Alessandro Blvd	20,842	161	82	119	51	1	2	4	23,446	141	82	104
223	Canyon Crest Dr	Alessandro Blvd	Sandtrack Rd	14,275	125	201	190	206	6	24	32	19,536	99	185	169
225	Via Vista Dr	Alessandro Blvd	Canyon Crest Dr	3,497	22	4	2	3	0	0	0	4,114	12	0	0
226	Alessandro Blvd	Century Ave	Canyon Crest Dr	52,493	337	154	180	80	3	12	28	54,215	328	57	65
227	Via Vista Dr	Alessandro Blvd	Canyon Hill Dr	4,729	15	6	4	0	0	0	0	5,130	0	0	0
229	Century Ave	Alessandro Blvd	Claridge Dr	2,352	4	2	2	28	0	0	0	2,662	0	0	0
230	Century Ave	Trafalgar Ave	Alessandro Blvd	2,844	2	4	0	53	0	0	0	3,027	0	0	0
231	Alessandro Blvd	Victoria Ave	Arlington Ave/Chicago Ave	39,874	86	155	197	129	3	8	8	40,879	75	134	163
232	Chicago Ave	Alessandro Blvd	Central Ave	43,335	329	290	1,104	1,029	36	129	346	40,973	243	202	804
233	Alessandro Blvd	Arlington Ave/Chicago Ave	Century Ave	55,633	262	178	206	76	3	12	29	56,316	253	81	91
236	Victoria Ave	Central Ave	Arlington Ave	8,319	66	40	13	20	1	4	4	9,547	70	46	23
237	Arlington Ave	Victoria Ave	Alessandro Blvd	50,601	332	374	1,183	912	36	135	372	50,850	258	255	907
238	Victoria Ave	Arlington Ave	Maude St	12,437	224	24	0	134	3	9	13	12,370	222	22	0
239	Arlington Ave	Maude St	Victoria Ave	50,258	378	392	1,190	743	33	122	348	51,686	290	274	912
240	Durango Rd	Laramie Rd	Arlington Ave	3,377	19	28	34	1	0	0	0	3,020	0	12	0
241	Horace St	Arlington Ave	Victoria Ave	5,855	61	14	19	0	0	0	0	6,077	47	0	0
242	Arlington Ave	Magnolia Ave	SR-91 WB On-Ramps	50,813	472	322	893	648	26	97	260	52,420	393	213	630
243	Riverside Dr	SR-91 WB Off-Ramps	Arlington Ave	12,829	124	38	30	25	1	3	8	13,278	118	29	15
244	SR-91 WB On-Ramps	Arlington Ave	SR-91	19,800	156	116	430	82	7	25	84	20,166	139	43	106

245	SR-91 EB On-Ramps	SR-91	Arlington Ave	20,484	260	24	112	55	2	2	26	20,429	258	0	56
246	Indiana Ave	Arlington Ave	SR-91 EB Off-Ramps	20,450	286	188	773	202	15	58	224	20,104	270	176	816
247	Arlington Ave	SR-91 WB On-Ramps	SR-91 EB On-Ramps	55,331	500	315	555	538	18	65	131	56,834	418	188	163
250	Country Club Dr	Chicago Ave	Canyon Crest Dr	6,460	45	33	75	86	2	8	16	9,858	60	69	177
252	Central Ave	Chicago Ave	Canyon Crest Dr	31,957	253	268	1,053	1,050	37	129	343	30,960	176	191	725
254	Canyon Crest Dr	Martin Luther King Blvd	Central Ave	25,516	233	107	140	33	1	2	2	30,024	226	119	153
256	Canyon Crest Dr	Central Ave	Country Club Dr	27,920	135	126	211	352	8	15	28	32,924	138	148	295
258	El Cerrito Dr	Canyon Crest Dr	Central Ave	7,841	42	17	32	0	0	0	0	7,859	24	12	12
260	Central Ave	Canyon Crest Dr	I-215	32,274	282	263	1,054	1,342	43	137	355	31,542	200	189	726
261	Lochmoor Dr	Central Ave	Fair Isle Dr	5,580	25	39	82	169	5	13	25	8,840	36	64	168
262	Sycamore Canyon Blvd	Central Ave	College Blvd	17,076	159	101	146	217	8	24	57	21,200	146	120	180
263	Central Ave	Sycamore Canyon Blvd	I-215 SB Ramps	24,242	180	227	852	1,180	39	119	306	21,598	105	144	490
264	I-215 SB Off-Ramps	I-215	Central Ave	4,388	64	44	0	0	0	0	0	2,478	48	24	0
265	Central Ave	I-215 SB Ramps	I-215 NB Ramps	23,149	121	221	603	845	28	85	208	22,063	55	169	399
266	I-215 SB On-Ramps	Central Ave	I-215	33,124	270	372	1,440	1,814	63	198	522	20,830	113	200	846
267	Watkins Dr	I-215 NB On-Ramp	I-215 NB Off-Ramp	18,919	76	162	163	218	9	33	61	21,007	69	161	187
268	I-215 NB Off-Ramp	Watkins Dr	I-215	6,385	14	77	207	871	6	82	125	5,180	0	5	0
269	Martin Luther King Blvd	SR-91	Chicago Ave	37,112	331	162	396	512	25	87	255	36,828	293	82	187
270	Chicago Ave	University Ave	Martin Luther King Blvd	27,714	306	38	57	7	0	1	2	27,003	285	24	59
271	Martin Luther King Blvd	Chicago Ave	Iowa Ave	32,956	228	159	396	516	25	88	256	32,347	198	85	200
272	Chicago Ave	Martin Luther King Blvd	Central Ave	28,801	194	26	33	3	0	0	1	27,862	178	7	25
273	Iowa Ave	University Ave	Martin Luther King Blvd	18,309	135	53	39	11	0	2	3	19,466	106	50	51
274	Martin Luther King Blvd	Iowa Ave	Canyon Crest Dr	43,114	323	208	429	537	26	91	260	43,058	275	141	228
275	Canyon Crest Dr	Campus Dr	Martin Luther King Blvd	17,031	159	74	64	23	1	2	8	20,040	156	87	81
276	Martin Luther King Blvd	Canyon Crest Dr	I-215 SB Ramps	36,659	221	169	423	570	27	94	273	36,582	216	96	191
277	Canyon Crest Dr	Martin Luther King Blvd	Central Ave	32,114	237	92	125	13	1	2	3	35,908	236	94	127
278	I-215 SB Off-Ramp	I-215	Martin Luther King Blvd	9,348	24	22	46	7	1	2	12	14,153	69	46	58
279	Martin Luther King Blvd	I-215 SB Ramps	I-215 NB Ramps	14,437	128	82	214	246	12	41	121	13,470	114	52	151
280	I-215 SB On-Ramp	Martin Luther King Blvd	I-215	35,522	174	150	436	628	30	103	296	33,282	148	61	94
281	I-215 NB On-Ramp	I-215	Martin Luther King Blvd	12,970	24	32	92	0	0	0	0	11,730	24	0	24
282	I-215 NB Off-Ramp	Martin Luther King Blvd	I-215	15,856	232	132	336	491	23	82	242	15,163	205	104	278
283	SR-60 EB Off-Ramp	SR-60	Heacock St	22,444	94	24	24	0	0	0	0	22,444	94	24	24
284	SR-60 EB On-Ramp	Heacock St	SR-60	11,216	86	38	48	994	39	62	77	12,576	59	14	39
285	Heacock St	SR-60 EB Ramps	Sunnymead Blvd	26,389	259	30	44	213	12	25	72	28,674	254	28	47
286	Perris Blvd	Hemlock Ave	SR-60 WB Ramps	40,512	377	145	13	520	18	26	8	43,707	339	136	8
287	Perris Blvd	SR-60 WB Ramps	Sunnymead Blvd	42,630	331	223	230	438	20	31	350	45,653	282	209	153
288	Sunnymead Blvd	SR-60 WB Off-Ramp	Perris Blvd	23,886	71	170	291	252	15	38	85	23,384	52	159	80
289	Sunnymead Blvd	Perris Blvd	SR-60 WB On-Ramp	23,257	143	110	209	602	29	59	371	25,452	112	70	87
290	Perris Blvd	Sunnymead Blvd	Fir Ave	32,677	184	259	370	221	14	25	629	34,860	151	222	344
294	Via Del Lago	South of Iris Ave		791	24	0	0	44	1	0	0	755	23	0	0
301	John F. Kennedy Dr	Indian St	Perris Blvd	9,475	12	6	0	42	2	7	0	9,433	10	10	0
302	John F. Kennedy Dr	Perris Blvd	Kitching St	9,381	48	0	0	86	3	8	0	9,854	51	6	0
303	Perris Blvd	John F. Kennedy Dr	Iris Ave	32,949	268	293	390	50	3	11	616	40,855	233	278	377
304	Iris Ave	Indian St	Perris Blvd	18,005	59	12	47	492	13	45	0	18,624	57	8	47
306	Perris Blvd	Iris Ave	Krameria Ave	36,732	341	330	369	1,096	61	208	611	45,940	305	301	360
307	Perris Blvd	Krameria Ave	Harley Know Blvd	33,143	380	293	345	1,218	59	188	611	40,722	354	313	336
324	Ramona Expy	Warren Rd	Sanderson Ave	18,451	259	83	272	90	3	11	10	15,895	258	79	269
325	Sanderson Ave	Gilman Springs Rd	Ramona Expy	74,205	814	1,161	3,996	3,068	75	273	508	67,217	537	584	1,651
326	Ramona Expy	Sanderson Ave	State St	29,217	315	285	463	663	19	81	123	18,302	274	60	95
327	Sanderson Ave	Ramona Expy	Ramona Blvd	62,393	626	1,070	3,350	2,315	53	181	375	64,676	389	659	1,573
340	Alessandro Blvd	South of San Timoteo Canyon Rd		366	0	0	0	0	0	0	0	366	0	0	0

351	Live Oak Canyon Rd	South of San Timoteo Canyon Rd		616	0	2	2	0	0	0	0	708	0	0	0
358	Gilman Springs Rd	Bridge St	SR-79 SB Ramps	22,856	206	104	36	5,528	132	455	582	21,887	177	69	0
359	SR-79 SB Off-Ramp	SR-79	Gilman Springs Rd	8,586	102	34	70	50	2	5	8	5,420	94	1	2
360	Gilman Springs Rd	SR-79 SB Ramps	SR-79 NB Ramps	17,534	148	67	18	3,824	88	287	359	20,638	118	63	0
361	SR-79 SB On-Ramp	Gilman Springs Rd	SR-79	20,284	256	238	362	3,358	87	330	454	11,792	157	84	0
362	SR-79 NB On-Ramp	SR-79	Gilman Springs Rd	5,668	82	58	82	45	0	2	3	8,274	83	69	103
363	Gilman Springs Rd	SR-79 NB Ramps	Record Rd	17,636	212	61	12	2,356	49	141	103	23,041	200	96	0
364	SR-79 NB Off-Ramp	Gilman Springs Rd	SR-79	5,841	46	59	27	2,891	64	177	247	4,877	0	0	0
365	Alessandro Blvd	Sycamore Canyon Blvd	Vista Grande Dr	61,123	580	382	343	753	25	70	118	65,376	509	277	228
366	Sycamore Canyon Blvd	Eastridge Ave	Alessandro Blvd	11,286	224	114	118	6	0	1	3	9,788	212	117	117
367	Meridian Pkwy	Alessandro Blvd	Cactus Ave	7,577	76	36	73	0	0	0	0	8,520	70	36	36
375	Mid County Pkwy WB On-Ra	Mid County Pkwy	3rd St	3,690	33	40	28	693	16	37	169	3,995	12	25	0
376	3rd St	Marvin Rd	Mid County Pkwy WB Ramp	8,918	84	101	77	1,356	28	61	260	12,088	62	97	126
377	Mid County Pkwy WB Off-Ra	Mid County Pkwy	3rd St	689	5	8	8	65	1	6	9	1,064	0	9	7
378	3rd St	Mid County Pkwy EB Ramps	Mid County Pkwy WB Ramp	5,275	51	62	51	977	19	39	119	7,630	40	54	82
379	Mid County Pkwy EB Off-Ra	Mid County Pkwy	3rd St	3,271	32	38	40	543	12	26	172	4,642	15	20	0
380	Mid County Pkwy EB On-Ra	3rd St	Mid County Pkwy	816	6	10	9	24	0	1	1	1,156	0	11	11
381	3rd St	Mid County Pkwy EB Ramps	MM Blvd	2,215	23	26	16	693	13	26	18	3,047	19	19	21
386	Harley Know Blvd	Indian St	Perris Blvd	11,834	183	180	271	235	20	57	52	11,672	150	163	205
387	Perris Blvd	Krameria Ave	Harley Know Blvd	37,652	355	320	642	1,299	57	176	558	49,784	346	339	586
388	Krameria Ave	Lasselle St	Spirit Rd	1,947	0	0	0	0	0	0	0	1,947	0	0	0
389	El Cerrito Dr	South of Central Ave		4,568	40	22	28	25	1	1	3	4,813	35	23	23
390	Ramona Expy	Webster Ave	Indian St	37,336	527	529	1,163	441	18	45	33	39,600	498	400	1,043
392	Ramona Expy	Indian St	Perris Blvd	26,834	402	118	490	491	29	116	104	26,536	414	153	487
393	Indian St	Ramona Expy	Morgan St	19,766	558	512	790	50	11	71	70	22,138	430	416	648
394	Perris Blvd	Harley Know Blvd	Ramona Expy	42,432	396	409	494	2,647	110	344	445	51,334	316	381	465
396	Perris Blvd	Ramona Expy	Rider St	30,692	388	249	233	2,147	73	219	285	31,305	309	173	204
397	Ramona Expy	Perris Blvd	Evans Rd	24,008	295	89	307	202	7	16	4	26,385	295	89	306
398	Evans Rd	Marbella Gate	Ramona Expy	24,161	225	144	11	2,475	75	188	1	28,271	174	125	11
399	Ramona Expy	Evans Rd	Rider St	20,150	307	59	225	237	4	7	1	26,977	308	98	224
400	Evans Rd	Ramona Expy	Rider St	26,583	225	108	15	1,773	52	144	4	28,379	170	87	4
401	Morgan St	Indian St	Perris Blvd	661	83	35	71	0	0	0	0	719	83	35	71
402	Morgan St	Perris Blvd	Silver Creek Industries	743	70	24	0	0	0	0	0	801	71	24	0
404	Morgan St	Morgan Park	Evans Rd	3,186	12	12	0	0	0	0	0	3,244	12	12	0
405	Morgan St	Evans Rd	Bradley Rd	3,150	12	0	12	11	0	0	0	3,141	12	0	12
406	Ironwood Ave	East of Thedore St		5,194	168	32	24	680	60	18	7	2,647	106	3	21
407	Rider St	Indian St	Perris Blvd	10,154	76	83	75	1	0	0	0	10,123	59	59	60
408	Rider St	Perris Blvd	Redlands Ave	8,130	95	0	0	0	0	0	0	8,161	95	0	0
409	Ironwood Ave	Nason St	Moreno Beach Dr	7,013	19	54	0	185	8	8	0	7,548	12	54	0
410	Rider St	Wilson Ave	Evans Rd	11,717	59	0	12	0	0	0	1	11,717	59	0	11
411	Rider St	Evans Rd	Ramona Expy	6,125	24	0	24	0	0	0	0	6,125	24	0	24
412	Maude St	North of Arlington Ave		212	0	0	0	0	0	0	0	212	0	0	0
413	Placentia Ave	Indian St	Perris Blvd	16,293	166	243	383	128	6	23	29	19,720	126	165	170
414	Placentia Ave	Perris Blvd	Redlands Ave	12,253	73	38	130	6	0	0	5	13,812	59	24	58
415	Perris Blvd	Placentia Ave	Orange Ave	37,247	350	415	501	1,888	63	173	231	40,576	239	298	295
416	Mid County Pkwy WB On-Ra	Mid County Pkwy	Perris Blvd	13,478	105	196	360	630	17	65	104	12,444	49	105	162
417	Mid County Pkwy WB Off-Ra	Perris Blvd	Mid County Pkwy	8,348	68	111	148	8	0	2	68	5,750	35	57	0
419	Mid County Pkwy EB Off-Ra	Mid County Pkwy	Perris Blvd	9,412	81	143	284	365	10	32	69	6,669	15	22	34
420	Mid County Pkwy EB On-Ra	Perris Blvd	Mid County Pkwy	8,769	69	123	190	3	0	1	38	11,372	35	93	93
421	Via Del Lago	South of Iris Ave		378	0	0	0	0	0	0	0	378	0	0	0
424	Perris Blvd	Alessandro Blvd	Cottonwood Ave	29,391	205	252	291	101	6	14	620	33,293	183	233	265

425	Mid County Pkwy WB On-Ra	West of Evan		5,856	47	33	43	22	1	3	0	3,589	23	21	24
426	Mid County Pkwy WB Off-Ra	East of Evan		3,251	34	32	54	12	1	2	37	3,629	11	11	4
427	Day St	south of Alessandro Blvd		8,244	46	18	59	23	1	3	0	15,511	71	83	59
428	Mid County Pkwy EB Off-Ra	West of Evan		5,813	47	33	49	23	1	2	1	6,738	23	22	23
429	Mid County Pkwy EB On-Ra	East of Evan		3,703	39	39	65	13	1	1	39	3,938	23	35	26
430	Alessandro Blvd	SR-215 NB Ramp	SR-215 SB Ramp	43,575	441	269	235	666	22	63	96	43,696	357	160	178
431	Placentia Ave	Water Ave	Evans Rd	2,463	20	14	16	3	0	0	3	3,083	12	12	12
432	Placentia Ave	Evans Rd	El Nido Ave	947	8	4	6	17	0	0	0	1,035	0	0	0
433	Evans Rd	Rider St	Orange Ave	21,894	186	158	115	1,613	43	135	23	25,046	109	123	70
434	Orange Ave	Wilson Ave	Evans Rd	4,791	59	0	12	0	0	0	0	4,794	59	0	12
435	Orange Ave	Evans Rd	Foothill Dr	4,269	25	10	37	75	1	2	0	5,910	35	11	36
436	Elsworth St	south of Cactus Ave		40,942	184	415	36	3	0	0	0	37,192	95	189	36
441	Nuevo Rd	Wilson Ave	Evans Rd	13,853	71	24	59	0	0	0	0	13,853	71	24	59
442	Evans Rd	Orange Ave	Nuevo Rd	20,648	144	136	118	1,471	42	131	32	23,313	80	108	74
443	Nuevo Rd	Evans Rd	Foothill Dr	12,707	58	36	66	8	0	1	0	11,875	47	23	47
444	Evans Rd	Nuevo Rd	San Jacinto Ave	16,685	161	133	93	1,433	41	130	32	20,170	91	102	69
452	San Jacinto Ave	West of Evan Rd		2,388	22	12	12	8	0	0	0	3,225	24	12	0
453	Evans Rd	North of San Jancito Ave		15,097	165	123	84	1,316	36	124	30	19,049	104	102	56
454	San Jacinto Ave	East of Evan Rd		4,067	45	24	14	261	5	16	0	4,949	21	22	12
455	Evans Rd	South of San Jancito Ave		12,255	143	107	80	1,047	31	108	29	16,302	94	104	57
458	Nason St	South of Cactus Ave		15,807	151	214	0	11	1	1	0	84	0	9	0
464	Quincy	South of Eucalyptus		2,756	30	29	0	61	2	5	0	6,558	38	64	0
477	Ellis Ave	West of Evan Rd		4,677	50	34	34	86	4	7	9	6,003	46	22	36
478	Evans Rd	North of Ellis Ave		16,151	284	174	202	1,067	38	119	49	20,380	175	150	110
479	Oliver St	South of Irris Ave		2,620	24	12	0	0	0	0	0	2,620	24	12	0
480	Ellis Ave	Evans Rd	SR-215	10,732	108	107	94	727	14	65	0	14,078	66	91	72
481	SR-215 SB Off-ramp	SR-215	Ellis Ave	2,704	19	26	52	0	0	0	1	5,847	24	36	82
482	Ellis Ave	East of SR-215		7,353	61	57	93	178	3	10	1	11,343	47	59	94
483	SR-215 SB On-ramp	Ellis Ave	SR-215	9,091	65	69	47	858	22	99	0	10,706	21	3	24
484	SR-215 NB On-ramp	Ellis Ave	SR-215	1,291	10	11	22	1	0	0	1	908	0	12	11
485	SR-215 NB Off-ramp	SR-215	Ellis Ave	6,101	61	68	54	1,378	23	100	0	6,123	19	1	24
488	Nason St	North of Iris Ave		15,807	151	214	0	8	0	1	0	18,707	107	185	0
494	Evans Rd	North of Harley Knox Blvd		15,459	139	135	0	2,585	78	193	0	22,747	99	140	0
498	Morrison St	Alessandro Blvd	Cactus Ave	8,979	74	53	0	3	0	0	0	10,740	48	50	0
499	Perris Blvd	Eucalyptus Ave	Cottonwood Ave	31,381	235	134	256	168	11	19	624	34,866	201	99	229
500	Perris Blvd	North of Eucalyptus Ave		31,734	247	137	268	184	12	20	624	34,083	212	98	241
502	Quincy	Cottonwood Ave	Alessandro Blvd	1,790	20	4	0	1	0	0	0	1,982	24	0	0
503	Quincy	Alessandro Blvd	Cactus Ave	481	10	0	0	0	0	0	0	472	0	0	0
504	Krameria Ave	west of Perris Blvd		16,579	196	185	0	256	25	96	0	18,908	132	143	0

Roadway does not exist in that scenario

WLC - Peak PM Link Forecasts - 2012

Segment ID	Segment	From	To	Existing Counts				2012 With Project Forecasts			
				Car	Light Trucks	Medium Trucks	Heavy Trucks	Cars	Light Trucks	Medium Trucks	Heavy Trucks
1	Street A	State Route 60	Eucalyptus Ave	159	4	2	6	1,797	90	262	785
2	Street A	Eucalyptus Ave	Street F	27	1	0	1	1,892	146	274	857
3	Street E	west of Street A		0	0	0	0	694	55	99	300
4	Street E	north of Alessandro Blvd		0	0	0	0	405	113	121	102
5	Street E	Street D	Street A	125	1	0	0	822	126	143	102
6	Street A	Street F	Street C	32	1	0	1	921	59	120	342
7	Street A	south of Street C		0	0	0	0	266	15	29	72
8	Street D	Street E	Cactus Ave	0	0	0	0	1,141	43	67	0
9	John F Kennedy Dr	south of Cactus Ave		471	3	1	0	1,047	26	52	0
10	Redlands Blvd	Alessandro Blvd	Cactus Ave	548	4	1	0	263	6	7	0
11	Redlands Blvd	Dracaea Ave	Alessandro Blvd	641	2	0	0	345	4	4	0
12	Redlands Blvd	Eucalyptus Ave	Dracaea Ave	597	19	1	5	627	22	4	5
13	Redlands Blvd	State Route 60	Eucalyptus Ave	597	19	1	5	822	26	14	82
14	Eucalyptus Ave	east of Redlands Blvd		0	0	0	0	410	14	19	77
15	Eucalyptus Ave	west of Street A		146	4	1	5	210	50	17	76
18	Street B	east of Street A		0	0	0	0	144	12	15	34
18a	Street B	west of Gilman Springs Rd		0	0	0	0	70	3	6	9
19	Street F	east of Street A		0	0	0	0	238	16	34	108
20	Street F	north of Street C		0	0	0	0	164	6	11	4
21	Street C	east of Street A		212	4	0	1	1,035	46	93	188
22	Street C	west of Street F		0	0	0	0	1,035	46	93	188
23	Street F	Street C	Street G	0	0	0	0	495	26	56	137
24	Street C	Street F	Street H	0	0	0	0	576	18	37	51
25	Street C	Street H	Gilman Springs Rd	106	0	0	0	804	29	67	161
26	Street H	Street C	Street G	0	0	0	0	382	21	45	125
27	Street G	east of Street H		0	0	0	0	294	18	36	93
28	Street G	Street F	Street H	0	0	0	0	185	10	21	54
29	Gilman Springs Rd	State Route 60	Eucalyptus Ave	926	59	3	27	929	66	32	135
30	Gilman Springs Rd	Eucalyptus Ave	Street C	926	59	3	27	957	68	37	141
31	Gilman Springs Rd	south of Street C		1,094	17	1	1	1,124	20	24	12
32	Cactus Ave	west of Redlands Blvd		124	1	0	0	162	5	4	0
33	Alessandro Blvd	west of Redlands Blvd		163	1	0	0	179	2	2	0
35	Redlands Blvd	Ironwood Ave	State Route 60	1,121	15	1	3	1,121	16	5	60
36	Ironwood Ave	Redlands Blvd	Highland Blvd	32	6	0	0	143	13	21	0

37	San Timoteo Canyon Rd	West Live Oak Canyon		678	3	0	2	678	7	18	52
38	Theodore St	State Route 60	Highland Blvd	41	13	1	2	234	28	43	2
42	Redlands Blvd	Ironwood Ave	San Timoteo Canyon Rd	1,261	16	0	1	1,304	26	36	57
43	Moreno Beach Dr	Alessandro Blvd	SR 60	1,600	18	1	5	1,607	19	2	10
46	Moreno Beach Dr	State Route 60	Ironwood Ave	853	7	0	4	890	7	1	6
47	Ironwood Ave	Moreno Beach Dr	Redlands Blvd	310	1	2	1	318	1	2	1
48	Alessandro Blvd	Lasselle St	Morrison St	725	19	1	33	735	20	2	37
50	Cactus Ave	Redlands Blvd	Street D	27	1	0	1	1,141	43	67	0
51	Moreno Beach Dr	John F Kennedy Dr	Cactus Ave	1,138	17	0	2	1,241	17	1	2
52	Moreno Beach Dr	John F Kennedy Dr	Oliver St	1,116	8	1	1	1,764	28	50	1
53	John F Kennedy Dr	Oliver St	Moreno Beach Dr	195	1	0	1	223	2	1	1
54	Locust Ave	Moreno Beach Dr	Smiley Blvd	8	1	0	0	8	1	0	0
55	Locust Ave	Moreno Beach Dr	Redlands Blvd	80	4	0	0	173	5	1	0
56	Moreno Beach Dr	Locust Ave	Ironwood Ave	157	2	0	0	247	2	1	0
57	Live Oak Canyon Rd	North of San Timoteo Canyon		466	5	0	0	532	12	23	0
58	SR 60 EB Ramps	west of Moreno Beach Dr		1,079	11	0	6	1,100	12	1	10
59	Eucalyptus Ave	Moreno Beach Dr	Quincy Dr	111	0	1	0	111	0	1	0
60	SR 60 WB Ramps	east of Redlands Blvd		390	7	1	1	466	11	14	46
61	SR 60 EB Ramps	west of Redlands Blvd		492	12	0	1	511	13	3	28
62	Fir Ave	Quincy Dr	Redlands Blvd	0	0	0	0	0	0	0	0
65	Alessandro Blvd	Nason St	Oliver St	611	17	1	0	699	17	2	4
66	Alessandro Blvd	Oliver St	Moreno Beach Dr	536	12	0	0	557	13	3	4
67	Oliver St	Alessandro Blvd	Cactus Ave	121	1	0	0	187	1	0	0
68	Moreno Beach Dr	Alessandro Blvd	Cactus Ave	1,289	20	1	3	1,315	20	1	3
69	Cactus Ave	Nason St	Oliver St	604	4	1	0	647	6	5	0
70	Cactus Ave	Oliver St	Moreno Beach Dr	583	4	1	0	733	10	8	0
71	Oliver St	Cactus Ave	John F Kennedy Dr	416	1	0	0	416	1	0	0
72	Oliver St	John F Kennedy Dr	Iris Ave	277	1	0	0	278	1	0	0
73	Iris Ave	Nason St	Oliver St	633	3	1	0	953	13	25	0
74	Heacock St	Manzanita Ave	Ironwood Ave	1,780	16	0	1	1,780	16	1	1
75	Ironwood Ave	Graham St	Heacock St	1,204	4	1	0	1,225	5	2	1
76	Ironwood Ave	Heacock St	Indian Ave	953	10	0	0	953	10	1	0
77	Heacock St	Ironwood Ave	Hemlock Ave	1,877	22	1	1	1,877	22	2	2
80	Heacock St	Hemlock Ave	SR 60 WB Ramps	2,214	18	2	0	2,220	19	5	1
81	SR 60 WB Ramps	west of Heacock St		1,556	24	0	6	1,556	24	0	6
82	SR 60 WB Ramps	east of Heacock St		606	6	2	4	664	9	7	11
83	Heacock St	SR 60 WB Ramps	SR 60 EB Ramps	2,273	26	2	3	2,297	27	4	6
85	SR 60 WB Onramp	west of Perris Blvd		1,492	14	0	4	1,492	14	0	4
86	SR 60 WB Offramp	east of Perris Blvd		494	6	0	0	531	11	12	19

87	Eucalyptus Ave	Indian St	Perris Blvd	431	2	0	0	431	2	0	0
88	Eucalyptus Ave	Perris Blvd	Kitching St	541	1	0	1	547	1	0	1
95	W 6th St	I-10	N California Ave	150	6	0	1	162	6	3	3
96	N California Ave	W 6th St	E 8th St	102	2	0	5	120	2	0	5
97	E 6th St	N California Ave	Beaumont Ave	387	8	2	2	387	8	2	2
98	N California Ave	W 6th St	I-10	46	0	0	0	47	0	0	1
99	Beaumont Ave	E 6th St	E 8th St	890	14	2	3	906	14	2	3
100	I-215 SB Ramps	north of Alessandro Blvd		606	20	1	3	612	20	2	5
101	Alessandro Blvd	Sycamore Canyon Blvd	I-215 SB Ramps	2,500	31	2	3	2,511	31	4	7
102	I-215 SB Ramps	south of Alessandro Blvd		1,034	14	2	0	1,034	14	2	0
103	I-215 NB Ramps	north of Alessandro Blvd		1,174	20	4	12	1,264	21	8	21
104	Alessandro Blvd	I-215 NB Ramps	Old 215 Frontage Rd	2,129	22	1	12	2,132	22	1	16
105	I-215 SB Ramps	south of Alessandro Blvd		936	28	0	4	965	28	0	4
106	Old 215 Frontage Rd	Eucalyptus Ave	Alessandro Blvd	564	6	0	2	572	6	0	2
107	Alessandro Blvd	Old 215 Frontage Rd	Day St	1,919	18	1	10	1,958	18	2	14
108	Old 215 Frontage Rd	Alessandro Blvd	Cactus Ave	108	11	1	7	108	11	1	7
109	Day St	Cottonwood Ave	Alessandro Blvd	148	1	0	0	150	1	0	0
110	Alessandro Blvd	Day St	Elsworth St	2,001	17	2	5	2,033	17	3	10
111	Elsworth St	Cottonwood Ave	Alessandro Blvd	632	8	1	0	634	8	1	0
112	Alessandro Blvd	Elsworth St	Frederick St	2,171	15	2	6	2,198	15	4	14
113	Elsworth St	Alessandro Blvd	Cactus Ave	606	7	0	3	606	7	1	5
114	Frederick St	Cottonwood Ave	Alessandro Blvd	1,385	7	0	1	1,385	7	1	4
115	Alessandro Blvd	Frederick St	Graham St	2,342	18	2	3	2,375	19	3	9
116	Frederick St	Alessandro Blvd	Cactus Ave	781	4	0	1	783	4	0	1
117	Graham St	Cottonwood Ave	Alessandro Blvd	589	3	0	1	594	3	0	1
118	Alessandro Blvd	Graham St	Heacock St	2,260	18	2	1	2,289	18	3	6
119	Graham St	Alessandro Blvd	Cactus Ave	566	2	0	3	577	2	0	3
120	Heacock St	Cottonwood Ave	Alessandro Blvd	1,248	21	2	0	1,248	21	2	3
121	Alessandro Blvd	Heacock St	Indian St	1,997	26	2	4	2,036	26	3	10
122	Heacock St	Alessandro Blvd	Cactus Ave	962	9	2	1	964	10	2	3
123	Indian St	Cottonwood Ave	Alessandro Blvd	1,012	8	2	4	1,015	8	2	4
124	Alessandro Blvd	Indian St	Perris Blvd	1,964	19	5	4	1,996	19	6	9
125	Indian St	Alessandro Blvd	Cactus Ave	879	6	1	2	885	6	1	2
126	Alessandro Blvd	Perris Blvd	Kitching St	1,470	12	3	2	1,476	12	3	6
127	Perris Blvd	Alessandro Blvd	Cactus Ave	1,636	19	5	1	1,636	19	5	12
128	Kitching St	Cottonwood Ave	Alessandro Blvd	627	3	0	1	633	3	0	1
129	Alessandro Blvd	Kitching St	Lasselle St	1,017	14	0	5	1,024	14	1	9
130	Kitching St	Alessandro Blvd	Cactus Ave	599	2	0	0	607	2	0	0
131	Lasselle St	Cottonwood Ave	Alessandro Blvd	625	3	0	1	625	3	0	1

133	Lasselle St	Alessandro Blvd	Cactus Ave	1,004	10	0	8	1,004	10	0	8
134	Morrison St	Cottonwood Ave	Alessandro Blvd	168	9	0	0	169	9	0	0
135	Alessandro Blvd	Morrison St	Nason St	672	13	2	23	685	13	3	28
136	Nason St	Cottonwood Ave	Alessandro Blvd	680	5	0	0	680	5	0	0
137	Nason St	Alessandro Blvd	Cactus Ave	664	7	1	0	664	7	1	0
138	I-215 SB Ramps	north of Cactus Ave		76	6	2	4	85	6	3	4
139	Cactus Ave	Meridian Pkwy	I-215 SB Ramps	501	14	3	8	512	14	3	8
140	I-215 SB Ramps	south of Cactus Ave		1,566	16	4	2	1,594	16	4	2
141	Cactus Ave	I-215 NB Ramps	Elsworth St	1,939	30	2	16	1,957	30	3	16
142	I-215 NB Ramps	south of Cactus Ave		103	7	0	6	128	7	1	6
143	Cactus Ave	Elsworth St	Frederick St	2,557	25	2	17	2,588	25	4	17
144	Cactus Ave	Frederick St	Graham St	2,828	26	6	13	2,854	26	8	13
145	Cactus Ave	Graham St	Heacock St	2,298	23	2	8	2,324	24	4	8
146	Riverside Dr	Cactus Ave	Meyer Dr	740	4	3	0	740	4	3	0
147	Cactus Ave	Heacock St	Indian St	1,450	16	0	3	1,481	16	2	3
148	Heacock St	Cactus Ave	John F Kennedy Dr	1,615	16	1	8	1,624	16	1	9
149	Cactus Ave	Indian St	Perris Blvd	1,311	12	0	2	1,354	12	3	2
150	Indian St	Cactus Ave	John F Kennedy Dr	770	9	0	1	771	9	0	1
151	Cactus Ave	Perris Blvd	Kitching St	1,274	12	0	0	1,323	12	3	0
152	Perris Blvd	Cactus Ave	John F Kennedy Dr	1,401	15	3	3	1,401	15	3	13
153	Cactus Ave	Kitching St	Lasselle St	1,002	3	1	0	1,069	5	4	0
154	Kitching St	Cactus Ave	John F Kennedy Dr	696	8	0	0	697	8	0	0
155	Cactus Ave	Lasselle St	Morrison St	621	3	1	0	689	4	4	0
156	Lasselle St	Cactus Ave	John F Kennedy Dr	1,688	12	0	0	1,689	12	2	0
157	Cactus Ave	Morrison St	Nason St	428	4	1	0	492	5	4	0
158	E 6th St	Beaumont Ave	Pennsylvania Ave	829	13	3	1	832	13	3	2
159	Beaumont Ave	E 6th St	I-10	701	5	0	4	721	5	0	4
160	Kitching St	Gentian Ave	Iris Ave	464	7	0	1	464	7	0	1
161	Iris Ave	Perris Blvd	Kitching St	1,411	12	3	3	1,474	17	18	3
162	Iris Ave	Kitching St	Lasselle St	1,503	12	1	0	1,801	21	32	0
163	Kitching St	Iris Ave	Ivory Ave	1,143	18	0	0	1,274	22	14	0
164	Lasselle St	Gentian Ave	Iris Ave	1,648	7	0	0	1,648	7	0	0
165	Iris Ave	Lasselle St	Nason St	828	3	0	0	1,140	12	24	0
168	Krameria Ave	Perris Blvd	Lasselle St	562	10	2	0	939	16	17	0
169	Krameria Ave	Kitching St	Lasselle St	369	1	0	0	369	2	0	0
170	Kitching St	Krameria Ave	Lurin Ave	1,794	17	1	0	1,794	17	1	0
171	Lasselle St	Cahuilla Dr	Krameria Ave	1,494	9	0	0	1,762	17	16	0
172	Lasselle St	Krameria Ave	Arroyo Park Dr	573	6	0	1	842	12	15	1
173	Oleander Ave	Perris Blvd	Lasselle St	0	0	0	0	0	0	0	0

174	Oleander Ave	Lasselle St	Lake Perris Dr	0	0	0	0	0	0	0	0
177	San Timoteo Canyon Rd	Alessandro Rd	Live Oak Canyon Rd	1,007	6	0	1	1,072	17	41	51
178	Live Oak Canyon Rd	San Timoteo Canyon Rd	I-10	283	4	0	1	288	5	5	7
179	San Timoteo Canyon Rd	Live Oak Canyon Rd	Redlands Blvd	1,180	9	0	1	1,253	23	46	57
180	San Timoteo Canyon Rd	Redlands Blvd	Woodhouse Rd	172	0	0	0	174	0	0	0
181	Potrero Blvd	north of SR 60 WB Ramps		0	0	0	0	0	0	0	0
182	SR 60 WB Onramp	west of Potrero Blvd		0	0	0	0	0	0	0	0
183	SR 60 WB Offramp	east of Potrero Blvd		0	0	0	0	0	0	0	0
184	SR 60 EB Offramp	west of Potrero Blvd		0	0	0	0	0	0	0	0
185	SR 60 EB Onramp	east of Potrero Blvd		0	0	0	0	0	0	0	0
186	Potrero Blvd	south of SR 60 EB Ramps	W 4th St	0	0	0	0	0	0	0	0
190	Gilman Springs Rd	Jack Rabbit Trail	Bridge St	1,061	19	4	3	1,096	21	24	13
191	Gilman Springs Rd	Bridge St	Beaumont Ave	1,009	16	4	3	1,010	16	22	10
192	Bridge St	Gilman Springs Rd	Marvin Rd	90	3	0	2	154	5	3	6
194	Crescent Ave	West of Alessandro Rd		170	1	0	0	197	4	8	0
195	Crescent Ave	Alessandro Rd	Center St	506	1	0	0	520	5	13	0
196	Alessandro Rd	Crescent Ave	Sunset Dr	483	3	0	0	527	9	21	0
198	Sunset Dr	Crown St	Alessandro Rd	22	0	0	0	27	0	1	0
199	Sunset Dr	Alessandro Rd	Cameo Dr	39	0	0	0	55	1	1	0
200	Alessandro Rd	Sunset Dr	San Timoteo Canyon Rd	485	3	0	0	551	11	23	0
205	Reche Canyon Rd	Keissel Rd	Reche Vista Dr	1,574	8	0	0	1,582	9	5	0
206	Reche Canyon Rd	Reche Vista Dr	High Country Dr	21	2	0	0	21	2	0	0
207	Reche Vista Dr	Heacock St	Reche Canyon Rd	1,571	10	0	0	1,580	11	5	0
215	Mission Grove Pkwy	Cannon Rd	Alessandro Blvd	601	2	0	0	601	2	0	0
216	Alessandro Blvd	Trautwein Rd	Vista Grande Dr	3,630	25	1	1	3,638	25	1	2
217	Mission Grove Pkwy	Alessandro Blvd	Northrop Dr	1,186	9	0	0	1,232	9	2	3
218	Alessandro Blvd	Canyon Crest Dr	Trautwein Rd	4,199	33	1	1	4,199	33	1	1
219	Trautwein Rd	Alessandro Blvd	Orange Terrace Pkwy	893	6	0	0	894	6	0	0
221	Canyon Crest Dr	Central Ave	Alessandro Blvd	942	8	0	0	943	8	0	0
223	Canyon Crest Dr	Alessandro Blvd	Sandtrack Rd	33	0	0	0	33	0	0	0
225	Via Vista Dr	Alessandro Blvd	Canyon Crest Dr	211	1	0	0	211	1	0	0
226	Alessandro Blvd	Century Ave	Canyon Crest Dr	4,053	28	1	0	4,053	28	1	1
227	Via Vista Dr	Alessandro Blvd	Canyon Hill Dr	291	0	0	0	291	0	0	0
229	Century Ave	Alessandro Blvd	Claridge Dr	113	0	0	0	113	0	0	0
230	Century Ave	Trafalgar Ave	Alessandro Blvd	85	0	0	0	85	0	0	0
231	Alessandro Blvd	Victoria Ave	Arlington Ave/Chicago Ave	2,953	5	5	6	2,963	5	6	11
232	Chicago Ave	Alessandro Blvd	Central Ave	2,419	17	1	2	2,438	17	6	17
233	Alessandro Blvd	Arlington Ave/Chicago Ave	Century Ave	4,261	22	3	3	4,261	22	3	3
236	Victoria Ave	Central Ave	Arlington Ave	584	5	2	0	588	5	2	0

237	Arlington Ave	Victoria Ave	Alessandro Blvd	2,918	18	3	3	2,918	18	6	13
238	Victoria Ave	Arlington Ave	Maude St	1,054	19	2	0	1,064	19	3	2
239	Arlington Ave	Maude St	Victoria Ave	2,545	18	1	1	2,545	18	2	9
240	Durango Rd	Laramie Rd	Arlington Ave	159	0	0	0	159	0	0	0
241	Horace St	Arlington Ave	Victoria Ave	321	4	0	0	321	4	0	0
242	Arlington Ave	Magnolia Ave	SR-91 WB On-Ramps	2,762	29	0	1	2,763	29	1	8
243	Riverside Dr	SR-91 WB Off-Ramps	Arlington Ave	895	9	1	0	898	9	1	1
244	SR-91 WB On-Ramps	Arlington Ave	SR-91	1,476	12	0	0	1,476	12	1	14
245	SR-91 EB On-Ramps	SR-91	Arlington Ave	1,736	22	0	6	1,736	22	0	7
246	Indiana Ave	Arlington Ave	SR-91 EB Off-Ramps	1,310	19	1	1	1,310	19	1	1
247	Arlington Ave	SR-91 WB On-Ramps	SR-91 EB On-Ramps	2,947	31	1	2	2,947	31	3	12
250	Country Club Dr	Chicago Ave	Canyon Crest Dr	185	2	0	0	185	2	0	0
252	Central Ave	Chicago Ave	Canyon Crest Dr	1,741	11	0	1	1,773	12	6	17
254	Canyon Crest Dr	Martin Luther King Blvd	Central Ave	1,424	15	2	2	1,424	15	2	2
256	Canyon Crest Dr	Central Ave	Country Club Dr	1,474	7	2	2	1,478	7	2	2
258	El Cerrito Dr	Canyon Crest Dr	Central Ave	520	2	0	1	522	2	0	1
260	Central Ave	Canyon Crest Dr	I-215	1,678	13	0	1	1,746	14	7	17
261	Lochmoor Dr	Central Ave	Fair Isle Dr	298	2	0	0	299	2	1	1
262	Sycamore Canyon Blvd	Central Ave	College Blvd	888	10	0	0	946	10	1	1
263	Central Ave	Sycamore Canyon Blvd	I-215 SB Ramps	1,248	7	1	1	1,285	7	7	18
264	I-215 SB Off-Ramps	I-215	Central Ave	210	4	2	0	210	4	3	6
265	Central Ave	I-215 SB Ramps	I-215 NB Ramps	1,239	2	2	1	1,239	2	6	14
266	I-215 SB On-Ramps	Central Ave	I-215	1,802	8	0	2	1,876	9	10	21
267	Watkins Dr	I-215 NB On-Ramp	I-215 NB Off-Ramp	1,073	1	1	0	1,073	1	2	2
268	I-215 NB Off-Ramp	Watkins Dr	I-215	437	0	1	1	437	0	5	14
269	Martin Luther King Blvd	SR-91	Chicago Ave	2,490	24	1	1	2,505	24	9	26
270	Chicago Ave	University Ave	Martin Luther King Blvd	1,939	23	0	1	1,939	23	0	1
271	Martin Luther King Blvd	Chicago Ave	Iowa Ave	2,180	15	1	0	2,193	15	8	25
272	Chicago Ave	Martin Luther King Blvd	Central Ave	2,028	14	0	1	2,028	14	0	1
273	Iowa Ave	University Ave	Martin Luther King Blvd	1,142	7	0	0	1,149	7	0	0
274	Martin Luther King Blvd	Iowa Ave	Canyon Crest Dr	2,703	19	1	0	2,714	20	9	25
275	Canyon Crest Dr	Campus Dr	Martin Luther King Blvd	962	9	0	0	971	9	0	0
276	Martin Luther King Blvd	Canyon Crest Dr	I-215 SB Ramps	2,237	16	2	0	2,255	16	7	24
277	Canyon Crest Dr	Martin Luther King Blvd	Central Ave	1,925	15	0	0	1,925	15	0	0
278	I-215 SB Off-Ramp	I-215	Martin Luther King Blvd	506	2	0	0	507	2	0	0
279	Martin Luther King Blvd	I-215 SB Ramps	I-215 NB Ramps	731	9	0	0	762	9	3	12
280	I-215 SB On-Ramp	Martin Luther King Blvd	I-215	2,518	12	2	0	2,527	12	11	26
281	I-215 NB On-Ramp	I-215	Martin Luther King Blvd	800	2	0	0	800	2	0	1
282	I-215 NB Off-Ramp	Martin Luther King Blvd	I-215	658	16	0	0	721	17	6	23

283	SR-60 EB Off-Ramp	SR-60	Heacock St	1,902	8	2	2	1,902	8	2	2
284	SR-60 EB On-Ramp	Heacock St	SR-60	652	6	0	4	720	9	5	10
285	Heacock St	SR-60 EB Ramps	Sunnymead Blvd	2,156	22	1	3	2,156	22	2	7
286	Perris Blvd	Hemlock Ave	SR-60 WB Ramps	2,460	24	2	1	2,493	26	9	2
287	Perris Blvd	SR-60 WB Ramps	Sunnymead Blvd	2,728	20	6	3	2,755	22	11	13
288	Sunnymead Blvd	SR-60 WB Off-Ramp	Perris Blvd	1,924	5	13	10	1,928	5	14	10
289	Sunnymead Blvd	Perris Blvd	SR-60 WB On-Ramp	1,449	8	3	3	1,491	10	9	10
290	Perris Blvd	Sunnymead Blvd	Fir Ave	2,290	11	12	10	2,290	11	13	24
294	Via Del Lago	South of Iris Ave		67	2	0	0	67	2	0	0
301	John F. Kennedy Dr	Indian St	Perris Blvd	803	1	0	0	832	2	1	0
302	John F. Kennedy Dr	Perris Blvd	Kitching St	795	4	0	0	817	4	1	0
303	Perris Blvd	John F. Kennedy Dr	Iris Ave	1,312	12	8	7	1,312	12	8	18
304	Iris Ave	Indian St	Perris Blvd	1,087	5	1	4	1,102	6	3	4
306	Perris Blvd	Iris Ave	Krameria Ave	1,350	17	8	6	1,370	18	19	17
307	Perris Blvd	Krameria Ave	Harley Know Blvd	1,324	18	8	4	1,465	22	30	14
324	Ramona Expy	Warren Rd	Sanderson Ave	1,164	22	7	23	1,210	22	7	27
325	Sanderson Ave	Gilman Springs Rd	Ramona Expy	2,310	35	3	44	2,326	35	3	54
326	Ramona Expy	Sanderson Ave	State St	1,269	24	6	14	1,274	24	6	15
327	Sanderson Ave	Ramona Expy	Ramona Blvd	1,499	17	2	15	1,539	17	5	26
340	Alessandro Blvd	South of San Timoteo Canyon Rd		31	0	0	0	31	0	0	0
351	Live Oak Canyon Rd	South of San Timoteo Canyon Rd		20	0	0	0	20	0	0	0
358	Gilman Springs Rd	Bridge St	SR-79 SB Ramps	1,034	17	3	3	1,035	17	21	10
359	SR-79 SB Off-Ramp	SR-79	Gilman Springs Rd	440	8	0	0	453	8	0	0
360	Gilman Springs Rd	SR-79 SB Ramps	SR-79 NB Ramps	937	13	3	2	937	13	14	5
361	SR-79 SB On-Ramp	Gilman Springs Rd	SR-79	614	14	2	2	614	15	12	10
362	SR-79 NB On-Ramp	SR-79	Gilman Springs Rd	186	5	1	3	186	5	1	3
363	Gilman Springs Rd	SR-79 NB Ramps	Record Rd	948	18	3	1	948	18	8	1
364	SR-79 NB Off-Ramp	Gilman Springs Rd	SR-79	151	2	0	1	151	2	5	5
365	Alessandro Blvd	Sycamore Canyon Blvd	Vista Grande Dr	3,218	37	2	2	3,257	37	4	7
366	Sycamore Canyon Blvd	Eastridge Ave	Alessandro Blvd	296	14	4	6	296	14	4	7
367	Meridian Pkwy	Alessandro Blvd	Cactus Ave	369	4	0	3	369	4	0	3
375	Mid County Pkwy WB On-Ra	Mid County Pkwy	3rd St	0	0	0	0	0	0	0	0
376	3rd St	Marvin Rd	Mid County Pkwy WB Ramps	0	0	0	0	0	0	0	0
377	Mid County Pkwy WB Off-Ra	Mid County Pkwy	3rd St	0	0	0	0	0	0	0	0
378	3rd St	Mid County Pkwy EB Ramps	Mid County Pkwy WB Ramps	0	0	0	0	0	0	0	0
379	Mid County Pkwy EB Off-Ra	Mid County Pkwy	3rd St	0	0	0	0	0	0	0	0
380	Mid County Pkwy EB On-Ran	3rd St	Mid County Pkwy	0	0	0	0	0	0	0	0
381	3rd St	Mid County Pkwy EB Ramps	MM Blvd	0	0	0	0	0	0	0	0
386	Harley Know Blvd	Indian St	Perris Blvd	377	7	6	12	378	7	6	12

387	Perris Blvd	Krameria Ave	Harley Know Blvd	1,164	16	4	26	1,233	19	23	34
388	Krameria Ave	Lasselle St	Spirit Rd	165	0	0	0	165	0	0	0
389	El Cerrito Dr	South of Central Ave		219	1	0	0	219	1	0	0
390	Ramona Expy	Webster Ave	Indian St	2,283	40	9	73	2,317	40	11	75
392	Ramona Expy	Indian St	Perris Blvd	2,274	34	10	42	2,274	34	16	46
393	Indian St	Ramona Expy	Morgan St	238	18	5	35	238	18	12	39
394	Perris Blvd	Harley Know Blvd	Ramona Expy	1,184	14	7	22	1,220	17	25	29
396	Perris Blvd	Ramona Expy	Rider St	1,283	19	3	8	1,386	21	16	11
397	Ramona Expy	Perris Blvd	Evans Rd	2,034	25	8	26	2,093	25	14	28
398	Evans Rd	Marbella Gate	Ramona Expy	766	9	1	0	870	12	8	0
399	Ramona Expy	Evans Rd	Rider St	1,432	26	5	19	1,451	26	5	21
400	Evans Rd	Ramona Expy	Rider St	1,016	9	1	1	1,080	9	2	1
401	Morgan St	Indian St	Perris Blvd	56	7	3	6	56	7	3	6
402	Morgan St	Perris Blvd	Silver Creek Industries	63	6	2	0	63	6	2	0
404	Morgan St	Morgan Park	Evans Rd	270	1	1	0	270	1	1	0
405	Morgan St	Evans Rd	Bradley Rd	267	1	0	1	267	1	0	1
406	Ironwood Ave	East of Thedore St		17	10	1	0	17	10	1	0
407	Rider St	Indian St	Perris Blvd	237	3	0	2	241	3	0	2
408	Rider St	Perris Blvd	Redlands Ave	689	8	0	0	689	8	0	0
409	Ironwood Ave	Nason St	Moreno Beach Dr	430	0	4	0	487	1	5	0
410	Rider St	Wilson Ave	Evans Rd	993	5	0	1	1,010	5	0	1
411	Rider St	Evans Rd	Ramona Expy	519	2	0	2	519	2	0	2
412	Maude St	North of Arlington Ave		18	0	0	0	18	0	0	0
413	Placentia Ave	Indian St	Perris Blvd	98	4	0	0	98	4	0	0
414	Placentia Ave	Perris Blvd	Redlands Ave	292	1	0	0	292	1	0	0
415	Perris Blvd	Placentia Ave	Orange Ave	577	8	0	0	617	8	5	1
416	Mid County Pkwy WB On-Ra	Mid County Pkwy	Perris Blvd	0	0	0	0	0	0	0	0
417	Mid County Pkwy WB Off-Ra	Perris Blvd	Mid County Pkwy	0	0	0	0	0	0	0	0
419	Mid County Pkwy EB Off-Ra	Mid County Pkwy	Perris Blvd	0	0	0	0	0	0	0	0
420	Mid County Pkwy EB On-Ran	Perris Blvd	Mid County Pkwy	0	0	0	0	0	0	0	0
421	Via Del Lago	South of Iris Ave		32	0	0	0	32	0	0	0
424	Perris Blvd	Alessandro Blvd	Cottonwood Ave	1,779	12	10	2	1,779	12	10	15
425	Mid County Pkwy WB On-Ra	West of Evan		0	0	0	0	0	0	0	0
426	Mid County Pkwy WB Off-Ra	East of Evan		0	0	0	0	0	0	0	0
427	Day St	south of Alessandro Blvd		48	1	0	5	55	1	0	5
428	Mid County Pkwy EB Off-Ra	West of Evan		0	0	0	0	0	0	0	0
429	Mid County Pkwy EB On-Ran	East of Evan		0	0	0	0	0	0	0	0
430	Alessandro Blvd	SR-215 NB Ramp	SR-215 SB Ramp	2,333	28	1	7	2,335	28	3	11
431	Placentia Ave	Water Ave	Evans Rd	0	0	0	0	0	0	0	0

432	Placentia Ave	Evans Rd	El Nido Ave	0	0	0	0	0	0	0	0
433	Evans Rd	Rider St	Orange Ave	127	1	0	0	134	1	0	0
434	Orange Ave	Wilson Ave	Evans Rd	406	5	0	1	409	5	0	1
435	Orange Ave	Evans Rd	Foothill Dr	232	2	0	1	238	2	0	1
436	Elsworth St	south of Cactus Ave		799	2	0	3	799	2	0	3
441	Nuevo Rd	Wilson Ave	Evans Rd	1,174	6	2	5	1,174	6	2	5
442	Evans Rd	Orange Ave	Nuevo Rd	433	1	0	1	443	1	0	1
443	Nuevo Rd	Evans Rd	Foothill Dr	908	4	2	4	916	4	2	4
444	Evans Rd	Nuevo Rd	San Jacinto Ave	0	0	0	0	0	0	0	0
452	San Jacinto Ave	West of Evan Rd		0	0	0	0	0	0	0	0
453	Evans Rd	North of San Jancito Ave		0	0	0	0	0	0	0	0
454	San Jacinto Ave	East of Evan Rd		0	0	0	0	0	0	0	0
455	Evans Rd	South of San Jancito Ave		0	0	0	0	0	0	0	0
458	Nason St	South of Cactus Ave		94	2	0	0	94	2	0	0
464	Quincy	South of Eucalyptus		0	0	0	0	0	0	0	0
477	Ellis Ave	West of Evan Rd		0	0	0	0	0	0	0	0
478	Evans Rd	North of Ellis Ave		0	0	0	0	0	0	0	0
479	Oliver St	South of Irris Ave		222	2	1	0	222	2	1	0
480	Ellis Ave	Evans Rd	SR-215	0	0	0	0	0	0	0	0
481	SR-215 SB Off-ramp	SR-215	Ellis Ave	0	0	0	0	0	0	0	0
482	Ellis Ave	East of SR-215		0	0	0	0	0	0	0	0
483	SR-215 SB On-ramp	Ellis Ave	SR-215	0	0	0	0	0	0	0	0
484	SR-215 NB On-ramp	Ellis Ave	SR-215	0	0	0	0	0	0	0	0
485	SR-215 NB Off-ramp	SR-215	Ellis Ave	0	0	0	0	0	0	0	0
488	Nason St	North of Iris Ave		0	0	0	0	0	0	0	0
494	Evans Rd	North of Harley Knox Blvd		0	0	0	0	0	0	0	0
498	Morrison St	Alessandro Blvd	Cactus Ave	0	0	0	0	0	0	0	0
499	Perris Blvd	Eucalyptus Ave	Cottonwood Ave	2,076	15	1	0	2,076	15	1	13
500	Perris Blvd	North of Eucalyptus Ave		2,174	16	1	1	2,174	16	1	14
502	Quincy	Cottonwood Ave	Alessandro Blvd	0	0	0	0	0	0	0	0
503	Quincy	Alessandro Blvd	Cactus Ave	0	0	0	0	0	0	0	0
504	Krameria Ave	west of Perris Blvd		298	4	2	0	305	4	3	0

WLC - Peak PM Link Forecasts - 2017

Segment ID	Segment	From	To	2017 No Project Forecasts				2017 With Project Project Only Trips				2017 With Project Non-Project Only Trips			
				Cars	Light Trucks	Medium Trucks	Heavy Trucks	Cars	Light Trucks	Medium Trucks	Heavy Trucks	Cars	Light Trucks	Medium Trucks	Heavy Trucks
1	Street A	State Route 60	Eucalyptus Ave	539	9	11	24	1,170	49	164	530	592	0	5	1
2	Street A	Eucalyptus Ave	Street F	82	2	1	1	1,165	94	170	541	223	2	2	2
3	Street E	west of Street A		0	0	0	0	698	50	100	317	0	0	0	0
4	Street E	north of Alessandro Blvd		0	0	0	0	402	16	31	6	0	0	0	0
5	Street E	Street D	Street A	192	1	1	0	259	10	19	5	322	2	1	0
6	Street A	Street F	Street C	87	2	1	1	511	28	52	113	229	2	2	2
7	Street A	south of Street C		0	0	0	0	0	0	0	0	0	0	0	0
8	Street D	Street E	Cactus Ave	0	0	0	0	610	24	47	0	221	2	2	0
9	John F Kennedy Dr	south of Cactus Ave		472	3	1	0	370	14	33	0	426	2	2	0
10	Redlands Blvd	Alessandro Blvd	Cactus Ave	550	4	1	0	95	3	6	0	193	2	2	0
11	Redlands Blvd	Dracaea Ave	Alessandro Blvd	641	2	0	0	30	1	3	0	281	3	2	0
12	Redlands Blvd	Eucalyptus Ave	Dracaea Ave	707	22	4	6	42	3	6	0	665	20	3	6
13	Redlands Blvd	State Route 60	Eucalyptus Ave	707	22	4	6	42	3	6	0	665	20	3	6
14	Eucalyptus Ave	east of Redlands Blvd		0	0	0	0	0	0	0	0	0	0	0	0
15	Eucalyptus Ave	west of Street A		530	10	10	22	38	46	14	40	557	0	4	0
18	Street B	east of Street A		0	0	0	0	0	0	0	0	0	0	0	0
18a	Street B	west of Gilman Springs Rd		0	0	0	0	0	0	0	0	0	0	0	0
19	Street F	east of Street A		0	0	0	0	0	0	0	0	0	0	0	0
20	Street F	north of Street C		0	0	0	0	0	0	0	0	0	0	0	0
21	Street C	east of Street A		396	4	1	3	205	4	13	18	564	4	2	4
22	Street C	west of Street F		0	0	0	0	205	4	13	18	197	2	2	2
23	Street F	Street C	Street G	0	0	0	0	1	1	0	1	6	0	0	0
24	Street C	Street F	Street H	0	0	0	0	195	2	7	9	0	0	0	0
25	Street C	Street H	Gilman Springs Rd	197	0	1	1	204	2	7	11	184	0	0	0
26	Street H	Street C	Street G	0	0	0	0	0	0	0	0	0	0	0	0
27	Street G	east of Street H		0	0	0	0	0	0	0	0	0	0	0	0
28	Street G	Street F	Street H	0	0	0	0	0	0	0	0	0	0	0	0
29	Gilman Springs Rd	State Route 60	Eucalyptus Ave	1,189	65	4	32	13	0	1	4	1,184	64	3	29
30	Gilman Springs Rd	Eucalyptus Ave	Street C	1,189	65	4	32	13	0	1	4	1,184	64	3	29
31	Gilman Springs Rd	south of Street C		1,448	17	2	6	217	4	14	18	1,592	18	1	3
32	Cactus Ave	west of Redlands Blvd		138	1	0	0	124	3	4	0	52	0	0	0
33	Alessandro Blvd	west of Redlands Blvd		198	1	0	0	57	2	2	0	125	0	0	0
35	Redlands Blvd	Ironwood Ave	State Route 60	1,154	15	2	6	50	1	4	28	1,263	16	0	4
36	Ironwood Ave	Redlands Blvd	Highland Blvd	59	6	1	0	138	6	15	0	109	6	0	0
37	San Timoteo Canyon R	West Live Oak Canyon		689	3	1	4	54	3	13	25	740	3	0	3
38	Theodore St	State Route 60	Highland Blvd	96	13	2	2	220	10	28	0	115	13	1	1
42	Redlands Blvd	Ironwood Ave	San Timoteo Canyon R	1,367	16	3	3	127	7	22	28	1,457	15	0	1
43	Moreno Beach Dr	Alessandro Blvd	SR 60	1,644	19	2	5	9	0	0	2	1,785	20	2	7
46	Moreno Beach Dr	State Route 60	Ironwood Ave	1,266	10	7	12	8	0	0	4	1,505	10	6	8
47	Ironwood Ave	Moreno Beach Dr	Redlands Blvd	346	1	2	1	19	0	0	0	382	1	2	1
48	Alessandro Blvd	Lasselle St	Morrison St	788	20	2	35	27	1	1	1	850	21	2	39
50	Cactus Ave	Redlands Blvd	Street D	27	1	0	1	610	24	47	0	221	2	2	0
51	Moreno Beach Dr	John F Kennedy Dr	Cactus Ave	1,222	17	2	2	0	0	0	0	1,319	18	1	2
52	Moreno Beach Dr	John F Kennedy Dr	Oliver St	1,116	8	2	1	328	11	32	0	1,197	7	1	1
53	John F Kennedy Dr	Oliver St	Moreno Beach Dr	338	2	0	1	37	2	1	0	373	0	0	1

54	Locust Ave	Moreno Beach Dr	Smiley Blvd	8	1	0	0	0	0	0	0	9	1	0	0
55	Locust Ave	Moreno Beach Dr	Redlands Blvd	180	5	1	0	3	0	0	0	294	6	2	0
56	Moreno Beach Dr	Locust Ave	Ironwood Ave	259	3	1	0	0	0	0	0	378	3	2	0
57	Live Oak Canyon Rd	North of San Timoteo Canyon		535	5	2	0	86	4	13	0	566	4	1	0
58	SR 60 EB Ramps	west of Moreno Beach Dr		1,200	12	1	6	2	0	0	0	1,465	13	1	7
59	Eucalyptus Ave	Moreno Beach Dr	Quincy Dr	269	2	5	6	0	0	0	4	291	1	3	0
60	SR 60 WB Ramps	east of Redlands Blvd		435	8	2	2	33	2	5	15	433	7	1	2
61	SR 60 EB Ramps	west of Redlands Blvd		520	12	1	2	58	2	5	14	597	12	0	2
62	Fir Ave	Quincy Dr	Redlands Blvd	0	0	0	0	0	0	0	0	0	0	0	0
65	Alessandro Blvd	Nason St	Oliver St	1,030	19	4	1	40	1	2	2	1,202	20	3	1
66	Alessandro Blvd	Oliver St	Moreno Beach Dr	620	12	1	1	47	1	3	2	697	12	0	1
67	Oliver St	Alessandro Blvd	Cactus Ave	328	2	0	0	0	0	0	0	398	2	0	0
68	Moreno Beach Dr	Alessandro Blvd	Cactus Ave	1,440	21	3	3	0	0	0	0	1,608	22	3	3
69	Cactus Ave	Nason St	Oliver St	685	4	1	0	71	3	5	0	733	4	1	0
70	Cactus Ave	Oliver St	Moreno Beach Dr	660	5	1	0	106	4	7	0	774	5	1	0
71	Oliver St	Cactus Ave	John F Kennedy Dr	648	1	0	0	0	0	0	0	699	1	0	0
72	Oliver St	John F Kennedy Dr	Iris Ave	351	1	0	0	0	0	0	0	399	1	0	0
73	Iris Ave	Nason St	Oliver St	1,196	9	5	0	322	11	31	0	1,346	6	4	0
74	Heacock St	Manzanita Ave	Ironwood Ave	1,836	16	1	1	26	1	1	0	2,010	18	1	1
75	Ironwood Ave	Graham St	Heacock St	1,230	4	1	0	8	0	1	0	1,379	4	1	0
76	Ironwood Ave	Heacock St	Indian Ave	973	10	0	0	2	0	0	0	1,105	12	0	0
77	Heacock St	Ironwood Ave	Hemlock Ave	1,985	22	2	1	35	1	1	0	2,154	24	2	1
80	Heacock St	Hemlock Ave	SR 60 WB Ramps	2,333	19	3	0	43	1	1	0	2,536	20	3	0
81	SR 60 WB Ramps	west of Heacock St		1,556	24	0	6	0	0	0	0	1,748	26	0	6
82	SR 60 WB Ramps	east of Heacock St		803	7	5	9	64	2	3	8	665	7	5	7
83	Heacock St	SR 60 WB Ramps	SR 60 EB Ramps	2,461	27	4	5	30	1	2	4	2,618	29	3	4
85	SR 60 WB Onramp	west of Perris Blvd		1,492	15	2	4	0	0	0	0	1,806	16	2	4
86	SR 60 WB Offramp	east of Perris Blvd		579	6	2	5	73	3	6	20	506	5	0	0
87	Eucalyptus Ave	Indian St	Perris Blvd	459	2	0	0	1	0	0	0	524	2	0	0
88	Eucalyptus Ave	Perris Blvd	Kitching St	616	2	1	1	2	0	0	0	714	1	0	1
95	W 6th St	I-10	N California Ave	154	6	0	1	33	1	2	2	153	6	0	1
96	N California Ave	W 6th St	E 8th St	130	2	0	5	28	1	1	1	126	2	0	5
97	E 6th St	N California Ave	Beaumont Ave	387	8	2	2	4	0	1	0	434	9	2	2
98	N California Ave	W 6th St	I-10	46	0	0	0	2	0	1	1	56	0	0	0
99	Beaumont Ave	E 6th St	E 8th St	923	14	2	3	6	0	0	0	1,045	16	2	3
100	I-215 SB Ramps	north of Alessandro Blvd		620	20	2	4	10	0	1	1	679	22	2	4
101	Alessandro Blvd	Sycamore Canyon Blvd	I-215 SB Ramps	2,775	31	7	8	25	1	2	3	3,138	34	7	9
102	I-215 SB Ramps	south of Alessandro Blvd		1,034	14	2	0	0	0	0	0	1,151	16	2	0
103	I-215 NB Ramps	north of Alessandro Blvd		1,174	20	5	14	28	1	2	3	1,322	22	4	14
104	Alessandro Blvd	I-215 NB Ramps	Old 215 Frontage Rd	2,658	25	11	22	9	0	1	2	3,044	25	9	21
105	I-215 SB Ramps	south of Alessandro Blvd		936	28	1	6	0	0	0	0	1,039	30	2	8
106	Old 215 Frontage Rd	Eucalyptus Ave	Alessandro Blvd	600	6	0	2	1	0	0	0	673	7	1	2
107	Alessandro Blvd	Old 215 Frontage Rd	Day St	2,391	22	8	21	11	0	1	2	2,873	23	9	19
108	Old 215 Frontage Rd	Alessandro Blvd	Cactus Ave	310	12	4	7	1	0	0	0	294	13	3	7
109	Day St	Cottonwood Ave	Alessandro Blvd	225	2	1	0	1	0	0	0	304	1	0	0
110	Alessandro Blvd	Day St	Elsworth St	2,390	19	7	13	10	0	1	1	2,802	20	8	13
111	Elsworth St	Cottonwood Ave	Alessandro Blvd	632	8	1	0	0	0	0	0	700	9	1	0
112	Alessandro Blvd	Elsworth St	Frederick St	2,561	17	7	14	11	0	1	4	2,991	19	8	14
113	Elsworth St	Alessandro Blvd	Cactus Ave	664	8	2	4	1	0	1	1	766	8	1	4
114	Frederick St	Cottonwood Ave	Alessandro Blvd	1,763	9	2	2	2	0	1	2	1,968	9	2	1
115	Alessandro Blvd	Frederick St	Graham St	2,568	21	7	11	11	0	1	2	2,955	22	6	9

116	Frederick St	Alessandro Blvd	Cactus Ave	1,258	5	2	1	0	0	0	0	1,418	6	2	3
117	Graham St	Cottonwood Ave	Alessandro Blvd	816	4	0	1	1	0	0	0	923	4	0	1
118	Alessandro Blvd	Graham St	Heacock St	2,745	21	7	7	13	0	1	2	3,035	21	6	5
119	Graham St	Alessandro Blvd	Cactus Ave	1,189	4	3	3	1	0	0	0	1,494	4	3	4
120	Heacock St	Cottonwood Ave	Alessandro Blvd	1,657	23	6	7	8	0	1	7	1,769	25	5	2
121	Alessandro Blvd	Heacock St	Indian St	2,421	28	4	5	14	0	1	2	2,794	29	5	7
122	Heacock St	Alessandro Blvd	Cactus Ave	1,230	13	7	12	5	0	1	6	1,453	12	5	6
123	Indian St	Cottonwood Ave	Alessandro Blvd	1,056	8	2	4	2	0	0	0	1,164	9	2	4
124	Alessandro Blvd	Indian St	Perris Blvd	2,411	21	8	5	17	0	1	2	2,833	23	8	7
125	Indian St	Alessandro Blvd	Cactus Ave	922	6	1	2	0	0	0	0	1,070	7	2	2
126	Alessandro Blvd	Perris Blvd	Kitching St	1,652	12	3	3	21	0	1	1	1,832	13	3	3
127	Perris Blvd	Alessandro Blvd	Cactus Ave	2,036	22	10	6	3	0	1	15	2,393	23	9	4
128	Kitching St	Cottonwood Ave	Alessandro Blvd	679	3	0	1	0	0	0	0	811	4	0	1
129	Alessandro Blvd	Kitching St	Lasselle St	1,151	14	1	7	22	0	1	1	1,268	16	1	7
130	Kitching St	Alessandro Blvd	Cactus Ave	652	2	0	0	5	0	0	0	718	2	0	0
131	Lasselle St	Cottonwood Ave	Alessandro Blvd	642	3	0	1	2	0	0	0	751	3	0	1
133	Lasselle St	Alessandro Blvd	Cactus Ave	1,177	11	1	8	5	0	0	0	1,308	12	0	9
134	Morrison St	Cottonwood Ave	Alessandro Blvd	319	10	1	2	4	0	0	0	341	10	2	0
135	Alessandro Blvd	Morrison St	Nason St	684	13	2	24	31	1	2	2	765	14	1	27
136	Nason St	Cottonwood Ave	Alessandro Blvd	1,216	7	3	0	11	0	0	0	1,444	7	4	0
137	Nason St	Alessandro Blvd	Cactus Ave	1,121	8	3	0	0	0	0	0	1,341	9	5	0
138	I-215 SB Ramps	north of Cactus Ave		551	6	14	21	0	0	0	0	183	8	10	12
139	Cactus Ave	Meridian Pkwy	I-215 SB Ramps	530	14	3	8	7	0	0	0	656	16	3	9
140	I-215 SB Ramps	south of Cactus Ave		1,886	17	7	7	7	0	0	0	2,160	18	6	4
141	Cactus Ave	I-215 NB Ramps	Elsworth St	2,910	33	18	36	13	0	0	0	3,085	35	13	29
142	I-215 NB Ramps	south of Cactus Ave		716	9	8	18	3	0	0	0	957	8	4	13
143	Cactus Ave	Elsworth St	Frederick St	3,635	29	17	45	17	0	1	0	3,798	29	12	33
144	Cactus Ave	Frederick St	Graham St	4,459	31	24	41	17	0	1	0	4,760	31	18	29
145	Cactus Ave	Graham St	Heacock St	2,418	25	7	37	20	0	1	0	2,905	28	7	26
146	Riverside Dr	Cactus Ave	Meyer Dr	2,972	11	19	0	3	0	0	0	3,154	8	13	0
147	Cactus Ave	Heacock St	Indian St	1,756	17	1	5	22	1	2	0	1,962	18	2	5
148	Heacock St	Cactus Ave	John F Kennedy Dr	2,000	21	10	51	5	0	1	5	2,174	20	8	32
149	Cactus Ave	Indian St	Perris Blvd	1,551	13	1	4	27	1	2	0	1,740	14	1	4
150	Indian St	Cactus Ave	John F Kennedy Dr	828	10	1	1	0	0	0	0	945	11	1	1
151	Cactus Ave	Perris Blvd	Kitching St	1,424	12	0	0	28	1	2	0	1,555	13	0	0
152	Perris Blvd	Cactus Ave	John F Kennedy Dr	1,997	20	10	11	2	0	1	14	2,443	20	9	7
153	Cactus Ave	Kitching St	Lasselle St	1,056	4	1	0	38	1	2	0	1,184	3	1	0
154	Kitching St	Cactus Ave	John F Kennedy Dr	700	8	0	0	0	0	0	0	788	9	0	0
155	Cactus Ave	Lasselle St	Morrison St	857	4	1	0	93	3	5	0	944	2	0	0
156	Lasselle St	Cactus Ave	John F Kennedy Dr	1,989	13	2	0	46	1	4	0	2,253	13	2	0
157	Cactus Ave	Morrison St	Nason St	701	5	1	0	106	4	5	0	733	3	0	0
158	E 6th St	Beaumont Ave	Pennsylvania Ave	845	13	3	1	11	0	1	1	911	15	2	0
159	Beaumont Ave	E 6th St	I-10	767	5	0	4	15	0	0	1	862	5	0	3
160	Kitching St	Gentian Ave	Iris Ave	465	7	0	1	0	0	0	0	510	7	0	1
161	Iris Ave	Perris Blvd	Kitching St	1,498	14	4	3	51	3	9	0	1,539	13	2	3
162	Iris Ave	Kitching St	Lasselle St	1,688	13	4	0	107	5	19	0	1,856	13	3	0
163	Kitching St	Iris Ave	Ivory Ave	1,308	20	2	0	52	3	10	0	1,460	21	2	0
164	Lasselle St	Gentian Ave	Iris Ave	1,713	8	1	0	1	0	0	0	1,866	7	0	0
165	Iris Ave	Lasselle St	Nason St	1,685	11	7	0	316	10	31	0	2,011	7	7	0
168	Krameria Ave	Perris Blvd	Lasselle St	768	13	4	0	47	2	9	0	936	14	4	0
169	Krameria Ave	Kitching St	Lasselle St	452	3	1	0	0	0	0	0	480	3	0	0

170	Kitching St	Krameria Ave	Lurin Ave	1,794	17	1	0	0	0	0	0	1,974	19	1	0
171	Lasselle St	Cahuilla Dr	Krameria Ave	1,716	11	2	0	194	4	11	0	1,930	11	1	0
172	Lasselle St	Krameria Ave	Arroyo Park Dr	752	6	1	1	185	4	11	0	879	6	1	1
173	Oleander Ave	Perris Blvd	Lasselle St	0	0	0	0	0	0	0	0	0	0	0	0
174	Oleander Ave	Lasselle St	Lake Perris Dr	0	0	0	0	0	0	0	0	0	0	0	0
177	San Timoteo Canyon R	Alessandro Rd	Live Oak Canyon Rd	1,087	6	3	3	140	7	25	25	1,154	4	0	2
178	Live Oak Canyon Rd	San Timoteo Canyon Rd	I-10	337	4	1	2	16	1	2	3	359	4	0	0
179	San Timoteo Canyon R	Live Oak Canyon Rd	Redlands Blvd	1,318	9	4	3	156	8	28	28	1,394	8	1	1
180	San Timoteo Canyon R	Redlands Blvd	Woodhouse Rd	186	0	0	0	6	0	0	0	202	0	0	0
181	Potrero Blvd	north of SR 60 WB Ramps		0	0	0	0	0	0	0	0	0	0	0	0
182	SR 60 WB Onramp	west of Potrero Blvd		0	0	0	0	0	0	0	0	0	0	0	0
183	SR 60 WB Offramp	east of Potrero Blvd		0	0	0	0	0	0	0	0	0	0	0	0
184	SR 60 EB Offramp	west of Potrero Blvd		0	0	0	0	0	0	0	0	0	0	0	0
185	SR 60 EB Onramp	east of Potrero Blvd		0	0	0	0	0	0	0	0	0	0	0	0
186	Potrero Blvd	south of SR 60 EB Ramps	W 4th St	0	0	0	0	0	0	0	0	0	0	0	0
190	Gilman Springs Rd	Jack Rabbit Trail	Bridge St	1,410	19	4	8	213	4	13	17	1,554	20	5	6
191	Gilman Springs Rd	Bridge St	Beaumont Ave	1,314	16	4	7	162	3	11	14	1,417	16	4	5
192	Bridge St	Gilman Springs Rd	Marvin Rd	136	3	0	3	51	1	2	3	197	3	1	3
194	Crescent Ave	West of Alessandro Rd		186	1	0	0	24	1	4	0	199	1	0	0
195	Crescent Ave	Alessandro Rd	Center St	539	1	1	0	46	2	6	0	577	0	0	0
196	Alessandro Rd	Crescent Ave	Sunset Dr	534	3	2	0	70	4	12	0	566	1	1	0
198	Sunset Dr	Crown St	Alessandro Rd	27	0	0	0	4	0	0	0	30	0	0	0
199	Sunset Dr	Alessandro Rd	Cameo Dr	52	0	0	0	12	0	1	0	58	0	0	0
200	Alessandro Rd	Sunset Dr	San Timoteo Canyon R	554	3	2	0	86	4	13	0	586	2	1	0
205	Reche Canyon Rd	Keissel Rd	Reche Vista Dr	1,615	8	2	0	6	1	2	0	1,901	9	3	0
206	Reche Canyon Rd	Reche Vista Dr	High Country Dr	21	2	0	0	0	0	0	0	23	2	0	0
207	Reche Vista Dr	Heacock St	Reche Canyon Rd	1,614	10	2	0	6	1	2	0	1,900	12	3	0
215	Mission Grove Pkwy	Cannon Rd	Alessandro Blvd	620	2	0	0	1	0	0	0	687	2	0	0
216	Alessandro Blvd	Trautwein Rd	Vista Grande Dr	3,788	25	6	6	11	0	1	1	4,416	27	5	7
217	Mission Grove Pkwy	Alessandro Blvd	Northrop Dr	1,308	9	0	1	17	0	1	2	1,471	10	1	1
218	Alessandro Blvd	Canyon Crest Dr	Trautwein Rd	4,271	33	5	6	4	0	0	0	4,997	37	4	6
219	Trautwein Rd	Alessandro Blvd	Orange Terrace Pkwy	906	6	0	0	1	0	0	0	989	6	0	0
221	Canyon Crest Dr	Central Ave	Alessandro Blvd	942	8	0	0	0	0	0	0	1,092	9	0	0
223	Canyon Crest Dr	Alessandro Blvd	Sandtrack Rd	34	0	0	0	1	0	0	0	36	0	0	0
225	Via Vista Dr	Alessandro Blvd	Canyon Crest Dr	211	1	0	0	0	0	0	0	232	1	0	0
226	Alessandro Blvd	Century Ave	Canyon Crest Dr	4,092	28	4	6	2	0	0	0	4,824	31	5	6
227	Via Vista Dr	Alessandro Blvd	Canyon Hill Dr	291	0	0	0	0	0	0	0	320	0	0	0
229	Century Ave	Alessandro Blvd	Claridge Dr	113	0	0	0	0	0	0	0	134	0	0	0
230	Century Ave	Trafalgar Ave	Alessandro Blvd	87	0	0	0	2	0	0	0	94	0	0	0
231	Alessandro Blvd	Victoria Ave	Arlington Ave/Chicago	3,064	5	6	8	4	0	0	1	3,524	5	8	12
232	Chicago Ave	Alessandro Blvd	Central Ave	2,554	17	4	6	28	1	2	3	2,778	19	3	1
233	Alessandro Blvd	Arlington Ave/Chicago Ave	Century Ave	4,287	22	6	8	3	0	0	0	5,040	24	6	9
236	Victoria Ave	Central Ave	Arlington Ave	587	5	2	0	1	0	0	0	665	5	2	0
237	Arlington Ave	Victoria Ave	Alessandro Blvd	2,973	18	9	10	21	1	2	3	3,469	19	6	3
238	Victoria Ave	Arlington Ave	Maude St	1,076	19	3	0	10	0	1	1	1,244	21	3	0
239	Arlington Ave	Maude St	Victoria Ave	2,575	18	6	8	9	0	1	2	2,967	20	5	1
240	Durango Rd	Laramie Rd	Arlington Ave	159	0	0	0	0	0	0	0	179	0	0	0
241	Horace St	Arlington Ave	Victoria Ave	326	4	0	0	0	0	0	0	369	4	0	0
242	Arlington Ave	Magnolia Ave	SR-91 WB On-Ramps	2,802	29	4	6	11	0	1	2	3,199	32	2	2
243	Riverside Dr	SR-91 WB Off-Ramps	Arlington Ave	916	9	1	0	1	0	0	0	1,025	10	1	1
244	SR-91 WB On-Ramps	Arlington Ave	SR-91	1,476	12	3	8	0	0	0	0	1,691	14	0	0

245	SR-91 EB On-Ramps	SR-91	Arlington Ave	1,756	22	0	6	4	0	0	1	1,976	24	0	6
246	Indiana Ave	Arlington Ave	SR-91 EB Off-Ramps	1,327	19	4	4	0	0	0	0	1,485	21	3	2
247	Arlington Ave	SR-91 WB On-Ramps	SR-91 EB On-Ramps	3,013	31	3	7	11	0	1	2	3,433	34	3	5
250	Country Club Dr	Chicago Ave	Canyon Crest Dr	185	2	0	0	0	0	0	0	206	2	0	0
252	Central Ave	Chicago Ave	Canyon Crest Dr	1,944	11	5	6	29	1	2	3	2,193	12	3	1
254	Canyon Crest Dr	Martin Luther King Blvd	Central Ave	1,424	15	2	2	0	0	0	0	1,605	17	2	3
256	Canyon Crest Dr	Central Ave	Country Club Dr	1,485	7	2	2	13	0	0	1	1,651	7	2	2
258	El Cerrito Dr	Canyon Crest Dr	Central Ave	520	2	0	1	0	0	0	0	573	2	0	1
260	Central Ave	Canyon Crest Dr	I-215	1,909	13	4	5	43	1	3	4	2,137	15	2	1
261	Lochmoor Dr	Central Ave	Fair Isle Dr	562	3	5	7	4	0	1	2	773	3	4	6
262	Sycamore Canyon Blvd	Central Ave	College Blvd	998	10	1	0	8	0	1	1	1,313	12	3	0
263	Central Ave	Sycamore Canyon Blvd	I-215 SB Ramps	1,431	7	3	6	45	1	3	6	1,737	6	4	5
264	I-215 SB Off-Ramps	I-215	Central Ave	239	4	3	1	0	0	0	0	251	4	2	0
265	Central Ave	I-215 SB Ramps	I-215 NB Ramps	1,333	2	3	6	26	1	2	5	1,655	2	6	8
266	I-215 SB On-Ramps	Central Ave	I-215	1,802	8	0	2	57	1	4	6	1,942	8	0	0
267	Watkins Dr	I-215 NB On-Ramp	I-215 NB Off-Ramp	1,214	1	3	4	10	0	1	2	1,499	1	4	4
268	I-215 NB Off-Ramp	Watkins Dr	I-215	437	0	3	8	47	0	4	8	454	0	0	2
269	Martin Luther King Blv	SR-91	Chicago Ave	2,578	24	1	2	29	1	5	12	2,873	26	2	9
270	Chicago Ave	University Ave	Martin Luther King Blvd	1,939	23	0	1	0	0	0	0	2,259	25	0	2
271	Martin Luther King Blv	Chicago Ave	Iowa Ave	2,266	15	1	1	29	1	5	12	2,556	17	1	9
272	Chicago Ave	Martin Luther King Blvd	Central Ave	2,028	14	0	1	0	0	0	0	2,317	17	0	1
273	Iowa Ave	University Ave	Martin Luther King Blvd	1,156	7	0	0	0	0	0	0	1,284	7	0	0
274	Martin Luther King Blv	Iowa Ave	Canyon Crest Dr	2,776	20	1	1	30	1	5	12	3,163	22	2	9
275	Canyon Crest Dr	Campus Dr	Martin Luther King Blvd	977	9	0	0	1	0	0	0	1,156	10	0	0
276	Martin Luther King Blv	Canyon Crest Dr	I-215 SB Ramps	2,263	16	2	2	30	1	5	13	2,576	18	2	9
277	Canyon Crest Dr	Martin Luther King Blvd	Central Ave	1,925	15	0	0	0	0	0	0	2,135	17	0	1
278	I-215 SB Off-Ramp	I-215	Martin Luther King Blvd	506	2	0	0	0	0	0	0	556	2	0	0
279	Martin Luther King Blv	I-215 SB Ramps	I-215 NB Ramps	773	9	0	2	13	0	2	5	852	10	1	11
280	I-215 SB On-Ramp	Martin Luther King Blvd	I-215	2,629	12	3	4	34	1	6	14	2,753	14	2	1
281	I-215 NB On-Ramp	I-215	Martin Luther King Blvd	800	2	0	3	1	0	0	2	879	2	0	7
282	I-215 NB Off-Ramp	Martin Luther King Blvd	I-215	743	16	0	0	24	1	3	8	822	19	1	16
283	SR-60 EB Off-Ramp	SR-60	Heacock St	1,902	8	2	4	0	0	0	2	2,092	10	2	1
284	SR-60 EB On-Ramp	Heacock St	SR-60	942	7	2	6	64	2	3	10	1,134	5	0	4
285	Heacock St	SR-60 EB Ramps	Sunnymead Blvd	2,465	23	4	9	20	1	2	8	2,724	23	2	5
286	Perris Blvd	Hemlock Ave	SR-60 WB Ramps	2,584	25	4	1	38	1	3	1	2,856	26	2	1
287	Perris Blvd	SR-60 WB Ramps	Sunnymead Blvd	2,858	21	9	6	36	1	3	10	3,186	22	8	3
288	Sunnymead Blvd	SR-60 WB Off-Ramp	Perris Blvd	1,925	5	13	10	10	0	1	0	2,108	5	14	11
289	Sunnymead Blvd	Perris Blvd	SR-60 WB On-Ramp	1,531	9	5	5	37	1	3	7	1,695	9	3	5
290	Perris Blvd	Sunnymead Blvd	Fir Ave	2,386	12	15	15	23	1	2	17	2,660	12	13	12
294	Via Del Lago	South of Iris Ave		74	2	0	0	3	0	0	0	77	2	0	0
301	John F. Kennedy Dr	Indian St	Perris Blvd	1,257	2	2	0	31	1	3	0	1,250	1	1	0
302	John F. Kennedy Dr	Perris Blvd	Kitching St	1,173	6	2	0	32	1	3	0	1,307	6	2	0
303	Perris Blvd	John F. Kennedy Dr	Iris Ave	1,892	14	13	15	2	0	0	14	2,297	15	14	12
304	Iris Ave	Indian St	Perris Blvd	1,091	6	1	4	2	1	2	0	1,237	5	1	4
306	Perris Blvd	Iris Ave	Krameria Ave	1,732	17	11	14	45	2	7	14	1,914	18	8	11
307	Perris Blvd	Krameria Ave	Harley Know Blvd	1,759	20	12	12	77	3	13	14	2,062	21	12	8
324	Ramona Expy	Warren Rd	Sanderson Ave	1,207	22	7	26	1	0	0	0	1,343	24	8	30
325	Sanderson Ave	Gilman Springs Rd	Ramona Expy	2,459	35	3	48	80	1	6	6	2,733	38	2	47
326	Ramona Expy	Sanderson Ave	State St	1,361	24	6	15	29	0	1	1	1,479	27	7	16
327	Sanderson Ave	Ramona Expy	Ramona Blvd	1,612	17	2	18	51	1	4	5	1,845	19	1	16
340	Alessandro Blvd	South of San Timoteo Canyon Rd		31	0	0	0	0	0	0	0	34	0	0	0

351	Live Oak Canyon Rd	South of San Timoteo Canyon Rd		21	0	0	0	1	0	0	0	23	0	0	0
358	Gilman Springs Rd	Bridge St	SR-79 SB Ramps	1,339	17	3	7	162	3	11	14	1,444	18	3	5
359	SR-79 SB Off-Ramp	SR-79	Gilman Springs Rd	440	8	0	0	3	0	0	0	481	8	0	0
360	Gilman Springs Rd	SR-79 SB Ramps	SR-79 NB Ramps	1,085	13	3	3	116	2	8	7	1,030	13	1	0
361	SR-79 SB On-Ramp	Gilman Springs Rd	SR-79	840	14	3	8	89	2	6	7	1,021	15	3	7
362	SR-79 NB On-Ramp	SR-79	Gilman Springs Rd	186	5	1	3	0	0	0	0	206	6	1	3
363	Gilman Springs Rd	SR-79 NB Ramps	Record Rd	1,019	18	3	1	81	2	6	4	1,023	19	2	0
364	SR-79 NB Off-Ramp	Gilman Springs Rd	SR-79	198	2	0	1	69	1	2	3	145	1	0	0
365	Alessandro Blvd	Sycamore Canyon Blvd	Vista Grande Dr	3,597	37	8	8	33	1	2	3	4,170	41	8	9
366	Sycamore Canyon Blvd	Eastridge Ave	Alessandro Blvd	609	16	7	9	2	0	0	1	554	18	8	12
367	Meridian Pkwy	Alessandro Blvd	Cactus Ave	375	4	0	3	0	0	0	0	409	4	0	3
375	Mid County Pkwy WB	Mid County Pkwy	3rd St	0	0	0	0	0	0	0	0	0	0	0	0
376	3rd St	Marvin Rd	Mid County Pkwy WB R	0	0	0	0	0	0	0	0	0	0	0	0
377	Mid County Pkwy WB	Mid County Pkwy	3rd St	0	0	0	0	0	0	0	0	0	0	0	0
378	3rd St	Mid County Pkwy EB Ramps	Mid County Pkwy WB R	0	0	0	0	0	0	0	0	0	0	0	0
379	Mid County Pkwy EB C	Mid County Pkwy	3rd St	0	0	0	0	0	0	0	0	0	0	0	0
380	Mid County Pkwy EB C	3rd St	Mid County Pkwy	0	0	0	0	0	0	0	0	0	0	0	0
381	3rd St	Mid County Pkwy EB Ramps	MM Blvd	0	0	0	0	0	0	0	0	0	0	0	0
386	Harley Know Blvd	Indian St	Perris Blvd	377	7	6	12	0	0	0	0	415	7	6	14
387	Perris Blvd	Krameria Ave	Harley Know Blvd	1,457	16	6	31	59	2	9	10	1,613	17	4	28
388	Krameria Ave	Lasselle St	Spirit Rd	165	0	0	0	0	0	0	0	182	0	0	0
389	El Cerrito Dr	South of Central Ave		221	1	0	0	1	0	0	0	242	1	0	0
390	Ramona Expy	Webster Ave	Indian St	2,406	40	13	88	24	1	3	1	2,572	44	11	87
392	Ramona Expy	Indian St	Perris Blvd	2,487	41	14	54	14	1	6	2	2,711	42	14	55
393	Indian St	Ramona Expy	Morgan St	421	37	14	48	3	1	4	4	387	31	9	41
394	Perris Blvd	Harley Know Blvd	Ramona Expy	1,356	14	8	25	57	2	9	8	1,388	15	6	23
396	Perris Blvd	Ramona Expy	Rider St	1,468	19	3	8	69	2	7	3	1,647	21	2	8
397	Ramona Expy	Perris Blvd	Evans Rd	2,318	29	11	33	75	2	6	1	2,559	30	12	35
398	Evans Rd	Marbella Gate	Ramona Expy	842	9	1	0	170	4	6	0	857	8	0	0
399	Ramona Expy	Evans Rd	Rider St	1,513	26	5	21	0	0	0	0	1,630	29	6	24
400	Evans Rd	Ramona Expy	Rider St	1,094	9	1	1	42	1	1	0	1,254	10	1	0
401	Morgan St	Indian St	Perris Blvd	137	7	4	7	0	0	0	0	114	8	4	8
402	Morgan St	Perris Blvd	Silver Creek Industries	63	6	2	0	0	0	0	0	69	6	2	0
404	Morgan St	Morgan Park	Evans Rd	270	1	1	0	0	0	0	0	297	1	1	0
405	Morgan St	Evans Rd	Bradley Rd	319	1	0	1	11	0	0	0	343	1	0	1
406	Ironwood Ave	East of Thedore St		19	10	1	0	3	0	0	0	18	11	1	0
407	Rider St	Indian St	Perris Blvd	267	3	0	2	0	0	0	0	309	3	0	2
408	Rider St	Perris Blvd	Redlands Ave	718	8	0	1	0	0	0	0	800	9	0	0
409	Ironwood Ave	Nason St	Moreno Beach Dr	430	0	4	0	17	0	0	0	494	0	4	0
410	Rider St	Wilson Ave	Evans Rd	993	5	0	1	14	0	1	0	1,103	5	0	1
411	Rider St	Evans Rd	Ramona Expy	519	2	0	2	0	0	0	0	573	2	0	2
412	Maude St	North of Arlington Ave		18	0	0	0	0	0	0	0	20	0	0	0
413	Placentia Ave	Indian St	Perris Blvd	102	4	0	0	1	0	0	0	110	4	0	0
414	Placentia Ave	Perris Blvd	Redlands Ave	295	1	0	0	0	0	0	0	322	1	0	0
415	Perris Blvd	Placentia Ave	Orange Ave	681	8	1	1	68	2	3	1	718	7	0	0
416	Mid County Pkwy WB	Mid County Pkwy	Perris Blvd	0	0	0	0	0	0	0	0	0	0	0	0
417	Mid County Pkwy WB	Perris Blvd	Mid County Pkwy	0	0	0	0	0	0	0	0	0	0	0	0
419	Mid County Pkwy EB C	Mid County Pkwy	Perris Blvd	0	0	0	0	0	0	0	0	0	0	0	0
420	Mid County Pkwy EB C	Perris Blvd	Mid County Pkwy	0	0	0	0	0	0	0	0	0	0	0	0
421	Via Del Lago	South of Iris Ave		32	0	0	0	0	0	0	0	36	0	0	0
424	Perris Blvd	Alessandro Blvd	Cottonwood Ave	2,035	13	14	7	9	0	1	16	2,287	14	12	4

425	Mid County Pkwy WB	West of Evan		0	0	0	0	0	0	0	0	0	0	0	0
426	Mid County Pkwy WB	East of Evan		0	0	0	0	0	0	0	0	0	0	0	0
427	Day St	south of Alessandro Blvd		82	2	2	8	0	0	0	1	106	2	2	7
428	Mid County Pkwy EB C	West of Evan		0	0	0	0	0	0	0	0	0	0	0	0
429	Mid County Pkwy EB C	East of Evan		0	0	0	0	0	0	0	0	0	0	0	0
430	Alessandro Blvd	SR-215 NB Ramp	SR-215 SB Ramp	2,742	30	9	15	23	1	1	3	3,085	32	9	16
431	Placentia Ave	Water Ave	Evans Rd	0	0	0	0	0	0	0	0	0	0	0	0
432	Placentia Ave	Evans Rd	El Nido Ave	0	0	0	0	0	0	0	0	0	0	0	0
433	Evans Rd	Rider St	Orange Ave	134	1	0	0	17	0	0	0	141	1	0	0
434	Orange Ave	Wilson Ave	Evans Rd	406	5	0	1	0	0	0	0	454	5	0	1
435	Orange Ave	Evans Rd	Foothill Dr	232	2	0	1	0	0	0	0	260	2	0	1
436	Elsworth St	south of Cactus Ave		1,240	3	7	3	0	0	0	0	1,472	2	6	3
441	Nuevo Rd	Wilson Ave	Evans Rd	1,176	6	2	5	0	0	0	0	1,301	6	2	5
442	Evans Rd	Orange Ave	Nuevo Rd	441	1	0	1	9	0	0	0	504	1	0	1
443	Nuevo Rd	Evans Rd	Foothill Dr	918	4	2	4	7	0	0	0	1,035	4	2	4
444	Evans Rd	Nuevo Rd	San Jacinto Ave	0	0	0	0	0	0	0	0	0	0	0	0
452	San Jacinto Ave	West of Evan Rd		0	0	0	0	0	0	0	0	0	0	0	0
453	Evans Rd	North of San Jancito Ave		0	0	0	0	0	0	0	0	0	0	0	0
454	San Jacinto Ave	East of Evan Rd		0	0	0	0	0	0	0	0	0	0	0	0
455	Evans Rd	South of San Jancito Ave		0	0	0	0	0	0	0	0	0	0	0	0
458	Nason St	South of Cactus Ave		449	3	3	0	0	0	0	0	1	0	0	0
464	Quincy	South of Eucalyptus		0	0	0	0	0	0	0	0	0	0	0	0
477	Ellis Ave	West of Evan Rd		0	0	0	0	0	0	0	0	0	0	0	0
478	Evans Rd	North of Ellis Ave		0	0	0	0	0	0	0	0	0	0	0	0
479	Oliver St	South of Irris Ave		222	2	1	0	0	0	0	0	245	2	1	0
480	Ellis Ave	Evans Rd	SR-215	0	0	0	0	0	0	0	0	0	0	0	0
481	SR-215 SB Off-ramp	SR-215	Ellis Ave	0	0	0	0	0	0	0	0	0	0	0	0
482	Ellis Ave	East of SR-215		0	0	0	0	0	0	0	0	0	0	0	0
483	SR-215 SB On-ramp	Ellis Ave	SR-215	0	0	0	0	0	0	0	0	0	0	0	0
484	SR-215 NB On-ramp	Ellis Ave	SR-215	0	0	0	0	0	0	0	0	0	0	0	0
485	SR-215 NB Off-ramp	SR-215	Ellis Ave	0	0	0	0	0	0	0	0	0	0	0	0
488	Nason St	North of Iris Ave		449	3	3	0	0	0	0	0	641	3	4	0
494	Evans Rd	North of Harley Knox Blvd		0	0	0	0	0	0	0	0	0	0	0	0
498	Morrison St	Alessandro Blvd	Cactus Ave	0	0	0	0	0	0	0	0	0	0	0	0
499	Perris Blvd	Eucalyptus Ave	Cottonwood Ave	2,266	16	4	5	17	1	2	16	2,527	16	2	1
500	Perris Blvd	North of Eucalyptus Ave		2,284	17	4	6	19	1	2	16	2,559	17	2	3
502	Quincy	Cottonwood Ave	Alessandro Blvd	0	0	0	0	0	0	0	0	0	0	0	0
503	Quincy	Alessandro Blvd	Cactus Ave	0	0	0	0	0	0	0	0	0	0	0	0
504	Krameria Ave	west of Perris Blvd		738	9	7	0	10	1	3	0	752	7	5	0

WLC - Peak PM Link Forecasts - 2022

Segment ID	Segment	From	To	2022 No Project Forecasts				2022 With Project Proj Only Trips				2022 With Project Non-Proj Only Trips			
				Cars	Light Trucks	Medium Trucks	Heavy Trucks	Cars	Light Trucks	Medium Trucks	Heavy Trucks	Cars	Light Trucks	Medium Trucks	Heavy Trucks
1	Street A	State Route 60	Eucalyptus Ave	518	12	11	24	1,197	41	123	387	0	0	0	0
2	Street A	Eucalyptus Ave	Street F	46	1	0	1	1,903	144	265	834	0	0	0	0
3	Street E	west of Street A		0	0	0	0	734	56	100	311	0	0	0	0
4	Street E	north of Alessandro Blvd		0	0	0	0	394	18	31	7	0	0	0	0
5	Street E	Street D	Street A	176	2	1	0	699	31	59	6	147	0	0	0
6	Street A	Street F	Street C	51	1	0	1	826	53	105	299	0	0	0	0
7	Street A	south of Street C		0	0	0	0	279	15	31	75	0	0	0	0
8	Street D	Street E	Cactus Ave	0	0	0	0	1,012	47	86	0	86	1	1	0
9	John F Kennedy Dr	south of Cactus Ave		617	4	4	0	647	30	65	0	412	1	3	0
10	Redlands Blvd	Alessandro Blvd	Cactus Ave	697	6	4	0	113	5	7	0	250	3	3	0
11	Redlands Blvd	Dracaea Ave	Alessandro Blvd	776	3	2	0	23	1	2	0	515	6	6	0
12	Redlands Blvd	Eucalyptus Ave	Dracaea Ave	896	26	9	5	77	17	15	0	946	30	9	5
13	Redlands Blvd	State Route 60	Eucalyptus Ave	896	26	9	5	149	4	9	53	1,133	28	15	34
14	Eucalyptus Ave	east of Redlands Blvd		0	0	0	0	197	18	20	53	549	18	13	29
15	Eucalyptus Ave	west of Street A		550	13	11	23	239	58	27	68	368	0	0	0
18	Street B	east of Street A		0	0	0	0	145	12	17	36	65	1	1	1
18a	Street B	west of Gilman Springs Rd		0	0	0	0	80	4	9	12	65	1	1	1
19	Street F	east of Street A		0	0	0	0	228	15	32	106	0	0	0	0
20	Street F	north of Street C		0	0	0	0	196	7	16	11	0	0	0	0
21	Street C	east of Street A		248	4	0	1	744	38	80	139	162	3	0	0
22	Street C	west of Street F		0	0	0	0	744	38	81	139	92	1	1	1
23	Street F	Street C	Street G	0	0	0	0	479	25	57	133	13	0	0	1
24	Street C	Street F	Street H	0	0	0	0	561	18	44	78	78	1	1	0
25	Street C	Street H	Gilman Springs Rd	123	0	0	0	902	33	83	226	130	0	0	1
26	Street H	Street C	Street G	0	0	0	0	422	22	49	135	9	0	0	1
27	Street G	east of Street H		0	0	0	0	309	18	37	95	0	0	0	0
28	Street G	Street F	Street H	0	0	0	0	192	10	22	55	8	0	0	1
29	Gilman Springs Rd	State Route 60	Eucalyptus Ave	997	59	3	27	500	22	57	194	677	55	0	14
30	Gilman Springs Rd	Eucalyptus Ave	Street C	997	59	3	27	566	26	65	203	742	56	0	15
31	Gilman Springs Rd	south of Street C		1,188	17	1	1	493	12	31	34	1,101	13	0	0
32	Cactus Ave	west of Redlands Blvd		149	1	0	0	198	6	7	0	0	0	0	0
33	Alessandro Blvd	west of Redlands Blvd		202	1	0	0	94	3	4	0	171	0	0	0
35	Redlands Blvd	Ironwood Ave	State Route 60	1,334	16	7	11	51	3	7	60	1,269	14	2	6
36	Ironwood Ave	Redlands Blvd	Highland Blvd	111	7	2	0	126	8	21	0	113	5	0	0
37	San Timoteo Canyon Rd	West Live Oak Canyon		820	5	4	9	63	6	19	53	830	3	2	7
38	Theodore St	State Route 60	Highland Blvd	234	15	4	2	255	17	42	1	193	10	1	1
42	Redlands Blvd	Ironwood Ave	San Timoteo Canyon Rd	1,651	18	9	8	214	14	37	60	1,535	13	2	3
43	Moreno Beach Dr	Alessandro Blvd	SR 60	1,739	21	4	8	18	1	1	7	1,704	19	3	10
46	Moreno Beach Dr	State Route 60	Ironwood Ave	1,422	15	10	26	27	1	2	15	1,590	11	8	13
47	Ironwood Ave	Moreno Beach Dr	Redlands Blvd	359	1	2	1	12	1	0	0	375	1	2	1
48	Alessandro Blvd	Lasselle St	Morrison St	856	20	3	37	49	2	3	6	836	19	2	38
50	Cactus Ave	Redlands Blvd	Street D	27	1	0	1	1,012	47	86	0	86	1	1	0
51	Moreno Beach Dr	John F Kennedy Dr	Cactus Ave	1,337	20	4	2	5	0	0	0	1,438	19	4	2
52	Moreno Beach Dr	John F Kennedy Dr	Oliver St	1,314	11	7	1	592	25	63	0	1,262	7	4	1
53	John F Kennedy Dr	Oliver St	Moreno Beach Dr	370	2	1	1	52	4	2	0	386	0	0	1
54	Locust Ave	Moreno Beach Dr	Smiley Blvd	8	1	0	0	0	0	0	0	8	1	0	0

55	Locust Ave	Moreno Beach Dr	Redlands Blvd	253	5	1	0	5	0	0	0	410	5	3	0
56	Moreno Beach Dr	Locust Ave	Ironwood Ave	339	3	2	0	1	0	0	0	496	3	3	0
57	Live Oak Canyon Rd	North of San Timoteo Canyon		660	7	5	0	156	9	23	0	579	4	2	0
58	SR 60 EB Ramps	west of Moreno Beach Dr		1,241	13	1	6	15	1	2	0	1,430	13	4	6
59	Eucalyptus Ave	Moreno Beach Dr	Quincy Dr	316	7	7	19	0	0	0	18	335	4	6	0
60	SR 60 WB Ramps	east of Redlands Blvd		497	9	4	5	136	4	12	40	495	8	3	14
61	SR 60 EB Ramps	west of Redlands Blvd		624	14	2	5	37	2	3	16	783	14	4	13
62	Fir Ave	Quincy Dr	Redlands Blvd	0	0	0	0	0	0	0	0	0	0	0	0
65	Alessandro Blvd	Nason St	Oliver St	1,089	20	4	2	64	2	4	6	1,208	18	3	4
66	Alessandro Blvd	Oliver St	Moreno Beach Dr	637	13	1	2	74	3	5	6	637	12	1	4
67	Oliver St	Alessandro Blvd	Cactus Ave	359	2	1	0	0	0	0	0	437	1	0	0
68	Moreno Beach Dr	Alessandro Blvd	Cactus Ave	1,547	24	5	3	6	0	0	0	1,594	22	5	3
69	Cactus Ave	Nason St	Oliver St	734	4	1	0	131	5	9	0	696	3	1	0
70	Cactus Ave	Oliver St	Moreno Beach Dr	691	5	1	0	193	8	13	0	701	5	0	0
71	Oliver St	Cactus Ave	John F Kennedy Dr	688	1	0	0	0	0	0	0	705	1	0	0
72	Oliver St	John F Kennedy Dr	Iris Ave	395	1	0	0	0	0	0	0	416	1	0	0
73	Iris Ave	Nason St	Oliver St	1,476	13	10	0	582	25	62	0	1,638	7	8	0
74	Heacock St	Manzanita Ave	Ironwood Ave	2,106	18	2	2	51	1	1	0	2,083	17	3	1
75	Ironwood Ave	Graham St	Heacock St	1,461	6	2	1	21	1	2	0	1,559	7	3	0
76	Ironwood Ave	Heacock St	Indian Ave	1,132	11	1	0	5	0	1	0	1,232	11	1	0
77	Heacock St	Ironwood Ave	Hemlock Ave	2,195	24	3	3	69	2	3	1	2,185	24	3	2
80	Heacock St	Hemlock Ave	SR 60 WB Ramps	2,673	21	5	2	88	3	3	1	2,662	19	5	2
81	SR 60 WB Ramps	west of Heacock St		1,758	25	3	13	0	0	0	11	1,922	26	4	11
82	SR 60 WB Ramps	east of Heacock St		943	8	5	14	128	5	9	32	621	6	5	9
83	Heacock St	SR 60 WB Ramps	SR 60 EB Ramps	2,847	30	7	12	61	2	3	10	2,831	27	5	9
85	SR 60 WB Onramp	west of Perris Blvd		1,796	17	8	13	0	0	0	0	1,912	16	8	8
86	SR 60 WB Offramp	east of Perris Blvd		754	7	4	2	174	7	13	31	406	4	0	0
87	Eucalyptus Ave	Indian St	Perris Blvd	585	3	1	0	6	1	2	0	626	2	1	0
88	Eucalyptus Ave	Perris Blvd	Kitching St	761	3	1	1	8	1	2	0	819	3	2	1
95	W 6th St	I-10	N California Ave	519	9	6	11	65	2	5	4	359	6	3	9
96	N California Ave	W 6th St	E 8th St	425	2	1	6	55	1	3	2	360	2	1	5
97	E 6th St	N California Ave	Beaumont Ave	591	9	3	7	7	0	1	1	592	9	3	8
98	N California Ave	W 6th St	I-10	407	4	6	7	5	0	2	1	373	2	4	5
99	Beaumont Ave	E 6th St	E 8th St	1,098	14	3	4	22	0	1	0	1,211	14	4	4
100	I-215 SB Ramps	north of Alessandro Blvd		709	21	4	8	45	2	4	8	633	19	2	3
101	Alessandro Blvd	Sycamore Canyon Blvd	I-215 SB Ramps	3,381	36	16	18	59	2	5	7	3,468	33	12	14
102	I-215 SB Ramps	south of Alessandro Blvd		1,213	14	5	3	0	0	0	0	1,196	14	4	2
103	I-215 NB Ramps	north of Alessandro Blvd		1,220	20	10	26	62	2	4	8	1,216	20	6	18
104	Alessandro Blvd	I-215 NB Ramps	Old 215 Frontage Rd	3,159	30	20	35	26	1	2	5	3,321	25	14	28
105	I-215 SB Ramps	south of Alessandro Blvd		1,157	29	4	7	0	0	0	0	1,241	28	2	6
106	Old 215 Frontage Rd	Eucalyptus Ave	Alessandro Blvd	778	7	2	2	2	0	0	0	1,034	8	3	2
107	Alessandro Blvd	Old 215 Frontage Rd	Day St	3,021	27	17	34	30	1	3	5	3,762	26	18	27
108	Old 215 Frontage Rd	Alessandro Blvd	Cactus Ave	519	14	7	7	2	0	0	0	635	13	5	7
109	Day St	Cottonwood Ave	Alessandro Blvd	488	4	3	0	3	0	1	0	653	3	3	0
110	Alessandro Blvd	Day St	Elsworth St	2,785	22	12	23	28	1	3	4	3,291	21	13	20
111	Elsworth St	Cottonwood Ave	Alessandro Blvd	756	10	2	0	0	0	0	0	807	10	3	0
112	Alessandro Blvd	Elsworth St	Frederick St	2,942	21	13	24	29	1	3	9	3,389	19	13	22
113	Elsworth St	Alessandro Blvd	Cactus Ave	798	10	3	5	2	0	1	2	867	8	3	5
114	Frederick St	Cottonwood Ave	Alessandro Blvd	2,092	11	5	5	3	0	1	5	2,244	10	4	3
115	Alessandro Blvd	Frederick St	Graham St	3,047	25	12	21	28	1	3	5	3,350	22	10	15
116	Frederick St	Alessandro Blvd	Cactus Ave	1,519	7	5	4	2	0	0	1	1,624	6	4	4

117	Graham St	Cottonwood Ave	Alessandro Blvd	992	5	1	1	2	0	0	0	1,154	5	1	1
118	Alessandro Blvd	Graham St	Heacock St	3,185	25	12	15	29	1	3	6	3,269	21	9	11
119	Graham St	Alessandro Blvd	Cactus Ave	1,293	5	3	4	4	0	0	0	1,556	4	4	4
120	Heacock St	Cottonwood Ave	Alessandro Blvd	1,910	25	8	15	10	1	2	16	1,893	23	5	6
121	Alessandro Blvd	Heacock St	Indian St	2,757	30	7	9	31	1	3	6	2,970	29	7	11
122	Heacock St	Alessandro Blvd	Cactus Ave	1,450	14	8	22	6	0	1	13	1,539	10	5	11
123	Indian St	Cottonwood Ave	Alessandro Blvd	1,196	9	3	4	3	0	0	0	1,251	9	3	4
124	Alessandro Blvd	Indian St	Perris Blvd	2,672	23	9	8	35	1	3	6	2,982	23	10	10
125	Indian St	Alessandro Blvd	Cactus Ave	1,058	7	2	2	0	0	0	0	1,223	8	3	2
126	Alessandro Blvd	Perris Blvd	Kitching St	1,840	14	4	6	40	1	3	6	1,867	13	5	7
127	Perris Blvd	Alessandro Blvd	Cactus Ave	2,365	25	14	6	4	0	1	24	2,532	22	9	1
128	Kitching St	Cottonwood Ave	Alessandro Blvd	754	4	1	1	0	0	0	0	861	5	1	1
129	Alessandro Blvd	Kitching St	Lasselle St	1,264	15	1	9	43	1	3	6	1,254	13	1	10
130	Kitching St	Alessandro Blvd	Cactus Ave	704	3	0	0	7	0	0	0	762	2	0	0
131	Lasselle St	Cottonwood Ave	Alessandro Blvd	762	4	1	1	2	0	0	0	846	3	1	1
133	Lasselle St	Alessandro Blvd	Cactus Ave	1,359	12	2	8	8	0	0	0	1,398	11	2	8
134	Morrison St	Cottonwood Ave	Alessandro Blvd	327	10	2	2	6	0	1	0	334	9	2	0
135	Alessandro Blvd	Morrison St	Nason St	746	13	2	26	54	2	4	6	736	13	2	27
136	Nason St	Cottonwood Ave	Alessandro Blvd	1,427	8	4	0	12	0	0	0	1,639	7	5	0
137	Nason St	Alessandro Blvd	Cactus Ave	1,306	9	5	0	1	0	0	0	1,487	8	7	0
138	I-215 SB Ramps	north of Cactus Ave		434	7	16	37	1	0	1	1	89	8	12	19
139	Cactus Ave	Meridian Pkwy	I-215 SB Ramps	1,198	20	12	21	33	1	2	2	1,580	19	11	17
140	I-215 SB Ramps	south of Cactus Ave		2,443	21	13	17	2	0	0	1	2,849	18	10	7
141	Cactus Ave	I-215 NB Ramps	Elsworth St	3,544	39	29	58	34	1	2	1	3,727	35	21	39
142	I-215 NB Ramps	south of Cactus Ave		538	9	8	26	2	0	0	1	678	9	5	14
143	Cactus Ave	Elsworth St	Frederick St	4,031	32	22	71	37	1	3	1	3,902	29	14	43
144	Cactus Ave	Frederick St	Graham St	4,810	34	28	65	39	1	3	0	4,864	31	22	42
145	Cactus Ave	Graham St	Heacock St	2,656	27	9	60	45	1	3	0	3,011	27	11	38
146	Riverside Dr	Cactus Ave	Meyer Dr	3,196	13	20	0	4	0	0	0	3,223	8	14	0
147	Cactus Ave	Heacock St	Indian St	1,918	19	2	8	49	2	4	0	2,094	17	3	7
148	Heacock St	Cactus Ave	John F Kennedy Dr	2,281	23	13	85	6	0	1	12	2,341	19	11	47
149	Cactus Ave	Indian St	Perris Blvd	1,654	14	2	7	58	2	5	0	1,688	13	2	7
150	Indian St	Cactus Ave	John F Kennedy Dr	1,006	11	2	1	0	0	0	0	1,244	11	3	1
151	Cactus Ave	Perris Blvd	Kitching St	1,491	13	1	0	62	2	5	0	1,499	11	0	0
152	Perris Blvd	Cactus Ave	John F Kennedy Dr	2,380	23	14	12	3	0	1	23	2,640	19	9	5
153	Cactus Ave	Kitching St	Lasselle St	1,112	4	1	0	75	3	5	0	1,144	3	1	0
154	Kitching St	Cactus Ave	John F Kennedy Dr	743	8	0	0	0	0	0	0	806	8	0	0
155	Cactus Ave	Lasselle St	Morrison St	969	4	1	0	171	6	7	0	967	1	0	0
156	Lasselle St	Cactus Ave	John F Kennedy Dr	2,201	14	3	0	83	3	6	0	2,313	13	3	0
157	Cactus Ave	Morrison St	Nason St	788	5	1	0	193	8	8	0	709	0	0	0
158	E 6th St	Beaumont Ave	Pennsylvania Ave	1,340	16	7	16	28	1	2	2	1,530	16	6	15
159	Beaumont Ave	E 6th St	I-10	1,288	7	4	17	48	1	2	2	1,557	7	4	13
160	Kitching St	Gentian Ave	Iris Ave	523	8	1	1	0	0	0	0	541	7	0	1
161	Iris Ave	Perris Blvd	Kitching St	1,603	15	5	3	74	5	14	0	1,499	12	2	3
162	Iris Ave	Kitching St	Lasselle St	1,837	15	7	0	199	12	36	0	1,961	14	7	0
163	Kitching St	Iris Ave	Ivory Ave	1,541	22	5	0	119	7	22	0	1,768	21	7	0
164	Lasselle St	Gentian Ave	Iris Ave	1,876	9	1	0	2	0	0	0	1,943	8	2	0
165	Iris Ave	Lasselle St	Nason St	2,026	15	13	0	574	24	62	0	2,365	10	13	0
168	Krameria Ave	Perris Blvd	Lasselle St	1,088	18	8	0	111	7	21	0	1,311	17	10	0
169	Krameria Ave	Kitching St	Lasselle St	610	5	1	0	0	0	0	0	640	3	1	0
170	Kitching St	Krameria Ave	Lurin Ave	1,794	17	1	0	0	0	0	0	1,794	17	1	0

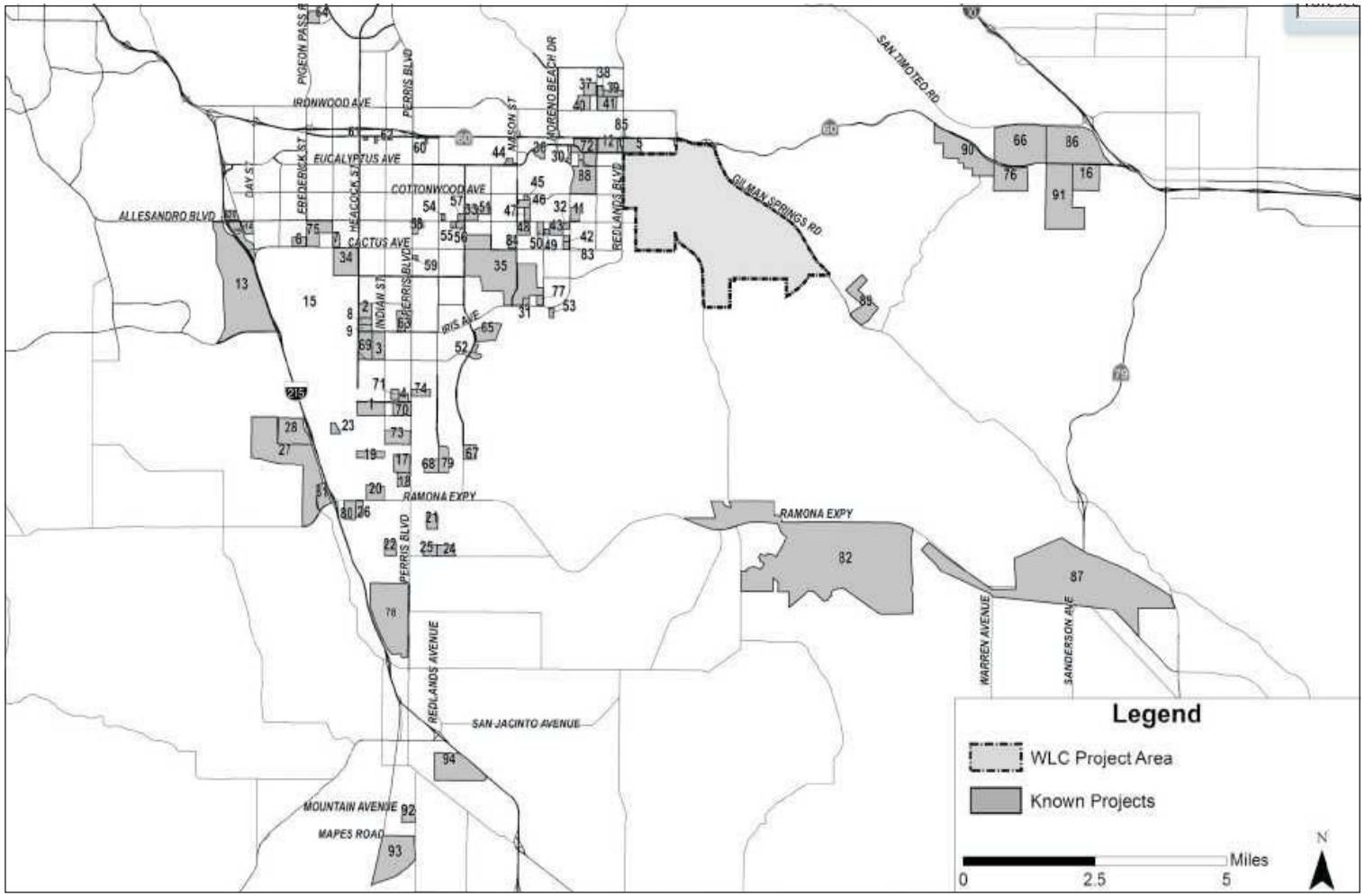
171	Lasselle St	Cahuilla Dr	Krameria Ave	2,039	14	5	0	352	11	25	0	2,166	11	4	0
172	Lasselle St	Krameria Ave	Arroyo Park Dr	1,062	9	5	1	333	10	25	0	1,185	7	4	1
173	Oleander Ave	Perris Blvd	Lasselle St	0	0	0	0	0	0	0	0	0	0	0	0
174	Oleander Ave	Lasselle St	Lake Perris Dr	0	0	0	0	0	0	0	0	0	0	0	0
177	San Timoteo Canyon Rd	Alessandro Rd	Live Oak Canyon Rd	1,343	9	8	8	218	15	42	53	1,258	4	3	6
178	Live Oak Canyon Rd	San Timoteo Canyon Rd	I-10	392	4	2	2	33	2	4	7	376	3	0	0
179	San Timoteo Canyon Rd	Live Oak Canyon Rd	Redlands Blvd	1,617	14	10	9	254	17	47	60	1,506	7	4	5
180	San Timoteo Canyon Rd	Redlands Blvd	Woodhouse Rd	305	0	1	3	15	0	1	0	341	0	1	4
181	Potrero Blvd	north of SR 60 WB Ramps		0	0	0	0	0	0	0	0	0	0	0	0
182	SR 60 WB Onramp	west of Potrero Blvd		0	0	0	0	0	0	0	0	0	0	0	0
183	SR 60 WB Offramp	east of Potrero Blvd		0	0	0	0	0	0	0	0	0	0	0	0
184	SR 60 EB Offramp	west of Potrero Blvd		0	0	0	0	0	0	0	0	0	0	0	0
185	SR 60 EB Onramp	east of Potrero Blvd		0	0	0	0	0	0	0	0	0	0	0	0
186	Potrero Blvd	south of SR 60 EB Ramps	W 4th St	0	0	0	0	0	0	0	0	0	0	0	0
190	Gilman Springs Rd	Jack Rabbit Trail	Bridge St	1,130	19	4	3	480	11	30	35	1,059	16	2	0
191	Gilman Springs Rd	Bridge St	Beaumont Ave	1,058	16	4	3	394	9	27	26	953	13	1	0
192	Bridge St	Gilman Springs Rd	Marvin Rd	134	3	1	3	86	2	3	8	147	3	0	2
194	Crescent Ave	West of Alessandro Rd		225	2	1	0	47	3	8	0	238	0	1	0
195	Crescent Ave	Alessandro Rd	Center St	636	2	3	0	81	4	13	0	590	0	0	0
196	Alessandro Rd	Crescent Ave	Sunset Dr	632	4	4	0	128	8	21	0	555	2	2	0
198	Sunset Dr	Crown St	Alessandro Rd	22	0	0	0	0	0	0	0	22	0	0	0
199	Sunset Dr	Alessandro Rd	Cameo Dr	70	0	0	0	21	1	1	0	69	0	0	0
200	Alessandro Rd	Sunset Dr	San Timoteo Canyon Rd	679	5	5	0	156	9	23	0	598	2	2	0
205	Reche Canyon Rd	Keissel Rd	Reche Vista Dr	1,850	11	6	0	36	2	6	0	1,993	11	7	0
206	Reche Canyon Rd	Reche Vista Dr	High Country Dr	24	2	0	0	0	0	0	0	24	2	0	0
207	Reche Vista Dr	Heacock St	Reche Canyon Rd	1,845	13	6	0	36	2	6	0	1,988	13	7	0
215	Mission Grove Pkwy	Cannon Rd	Alessandro Blvd	728	2	0	0	3	0	0	0	759	2	0	0
216	Alessandro Blvd	Trautwein Rd	Vista Grande Dr	4,466	29	17	20	31	1	3	3	4,743	27	14	16
217	Mission Grove Pkwy	Alessandro Blvd	Northrop Dr	1,492	10	2	2	38	1	3	4	1,573	9	2	4
218	Alessandro Blvd	Canyon Crest Dr	Trautwein Rd	5,023	37	18	21	14	0	2	1	5,324	36	14	16
219	Trautwein Rd	Alessandro Blvd	Orange Terrace Pkwy	937	6	0	0	2	0	0	0	983	6	0	1
221	Canyon Crest Dr	Central Ave	Alessandro Blvd	1,090	8	2	3	1	0	0	0	1,128	8	2	2
223	Canyon Crest Dr	Alessandro Blvd	Sandtrack Rd	72	0	0	0	2	0	0	0	80	0	0	0
225	Via Vista Dr	Alessandro Blvd	Canyon Crest Dr	218	1	0	0	0	0	0	0	233	1	0	0
226	Alessandro Blvd	Century Ave	Canyon Crest Dr	4,814	31	17	19	11	0	2	1	5,078	31	14	15
227	Via Vista Dr	Alessandro Blvd	Canyon Hill Dr	291	0	0	0	0	0	0	0	291	0	0	0
229	Century Ave	Alessandro Blvd	Claridge Dr	180	0	0	0	1	0	0	0	213	0	0	0
230	Century Ave	Trafalgar Ave	Alessandro Blvd	157	0	0	0	5	0	0	0	164	0	0	0
231	Alessandro Blvd	Victoria Ave	Arlington Ave/Chicago A	3,531	7	13	16	9	0	1	1	3,826	7	14	18
232	Chicago Ave	Alessandro Blvd	Central Ave	3,075	19	12	17	68	2	5	9	3,157	17	10	5
233	Alessandro Blvd	Arlington Ave/Chicago Ave	Century Ave	5,060	25	19	22	12	1	2	1	5,308	24	17	17
236	Victoria Ave	Central Ave	Arlington Ave	722	6	3	1	2	0	0	0	782	5	3	0
237	Arlington Ave	Victoria Ave	Alessandro Blvd	3,466	19	18	22	57	2	6	10	3,450	17	11	6
238	Victoria Ave	Arlington Ave	Maude St	1,342	21	7	3	26	1	2	3	1,454	21	7	2
239	Arlington Ave	Maude St	Victoria Ave	2,927	19	12	18	29	1	4	7	2,870	18	5	2
240	Durango Rd	Laramie Rd	Arlington Ave	227	1	1	1	0	0	0	0	239	0	0	0
241	Horace St	Arlington Ave	Victoria Ave	441	5	1	1	0	0	0	0	466	4	0	0
242	Arlington Ave	Magnolia Ave	SR-91 WB On-Ramps	3,286	30	11	17	30	1	4	7	3,234	29	5	4
243	Riverside Dr	SR-91 WB Off-Ramps	Arlington Ave	1,066	10	3	3	2	0	0	1	1,102	9	2	1
244	SR-91 WB On-Ramps	Arlington Ave	SR-91	1,586	12	7	13	2	0	0	1	1,584	12	0	0
245	SR-91 EB On-Ramps	SR-91	Arlington Ave	1,971	22	4	12	6	0	1	2	1,952	22	2	7

246	Indiana Ave	Arlington Ave	SR-91 EB Off-Ramps	1,487	20	7	12	3	0	1	2	1,521	21	5	5
247	Arlington Ave	SR-91 WB On-Ramps	SR-91 EB On-Ramps	3,552	32	11	15	29	1	3	6	3,498	31	6	5
250	Country Club Dr	Chicago Ave	Canyon Crest Dr	257	2	0	0	0	0	0	0	278	2	0	0
252	Central Ave	Chicago Ave	Canyon Crest Dr	2,216	14	10	15	71	2	6	10	2,295	12	7	3
254	Canyon Crest Dr	Martin Luther King Blvd	Central Ave	1,606	15	4	5	0	0	0	0	1,659	15	4	5
256	Canyon Crest Dr	Central Ave	Country Club Dr	1,741	7	4	5	25	1	1	1	1,769	7	4	5
258	El Cerrito Dr	Canyon Crest Dr	Central Ave	574	3	1	2	0	0	0	0	562	2	0	1
260	Central Ave	Canyon Crest Dr	I-215	2,188	16	9	15	97	2	6	11	2,331	14	7	5
261	Lochmoor Dr	Central Ave	Fair Isle Dr	826	5	9	15	14	1	2	5	1,104	4	9	9
262	Sycamore Canyon Blvd	Central Ave	College Blvd	1,385	14	10	21	27	1	3	8	1,707	12	6	0
263	Central Ave	Sycamore Canyon Blvd	I-215 SB Ramps	1,861	9	10	15	104	3	8	14	2,163	9	11	18
264	I-215 SB Off-Ramps	I-215	Central Ave	249	4	3	1	0	0	0	0	210	4	2	0
265	Central Ave	I-215 SB Ramps	I-215 NB Ramps	1,659	4	11	12	56	2	5	9	1,800	4	11	14
266	I-215 SB On-Ramps	Central Ave	I-215	2,292	12	12	22	142	4	12	19	1,969	7	4	1
267	Watkins Dr	I-215 NB On-Ramp	I-215 NB Off-Ramp	1,537	6	13	14	22	1	3	6	1,663	4	10	10
268	I-215 NB Off-Ramp	Watkins Dr	I-215	548	0	4	4	93	1	7	13	438	0	0	0
269	Martin Luther King Blvd	SR-91	Chicago Ave	3,023	27	10	21	63	2	9	24	2,945	23	4	6
270	Chicago Ave	University Ave	Martin Luther King Blvd	2,277	25	4	4	1	0	0	0	2,448	24	5	5
271	Martin Luther King Blvd	Chicago Ave	Iowa Ave	2,684	18	10	21	65	3	9	24	2,611	14	4	5
272	Chicago Ave	Martin Luther King Blvd	Central Ave	2,347	16	3	3	0	0	0	0	2,477	16	4	4
273	Iowa Ave	University Ave	Martin Luther King Blvd	1,296	8	2	2	1	0	0	0	1,369	8	2	2
274	Martin Luther King Blvd	Iowa Ave	Canyon Crest Dr	3,391	24	12	22	67	3	9	25	3,443	19	6	5
275	Canyon Crest Dr	Campus Dr	Martin Luther King Blvd	1,243	15	9	19	4	0	1	5	1,255	11	3	2
276	Martin Luther King Blvd	Canyon Crest Dr	I-215 SB Ramps	2,744	17	10	24	66	3	9	22	2,486	14	2	0
277	Canyon Crest Dr	Martin Luther King Blvd	Central Ave	2,169	16	3	4	1	0	0	0	2,267	16	2	3
278	I-215 SB Off-Ramp	I-215	Martin Luther King Blvd	535	2	0	2	0	0	0	0	540	2	0	0
279	Martin Luther King Blvd	I-215 SB Ramps	I-215 NB Ramps	799	9	1	4	21	1	3	7	765	9	0	0
280	I-215 SB On-Ramp	Martin Luther King Blvd	I-215	3,047	14	9	20	77	3	10	26	2,557	10	0	0
281	I-215 NB On-Ramp	I-215	Martin Luther King Blvd	863	2	1	4	3	0	0	1	797	2	0	1
282	I-215 NB Off-Ramp	Martin Luther King Blvd	I-215	848	17	4	8	41	2	5	12	894	15	0	0
283	SR-60 EB Off-Ramp	SR-60	Heacock St	2,114	11	9	39	1	0	1	2	1,983	8	4	0
284	SR-60 EB On-Ramp	Heacock St	SR-60	1,102	11	8	37	129	4	3	12	1,123	2	0	0
285	Heacock St	SR-60 EB Ramps	Sunnymead Blvd	2,916	27	8	22	40	2	4	18	2,976	23	4	8
286	Perris Blvd	Hemlock Ave	SR-60 WB Ramps	3,167	30	9	3	99	4	8	1	3,177	27	7	3
287	Perris Blvd	SR-60 WB Ramps	Sunnymead Blvd	3,465	26	16	9	80	3	6	16	3,442	21	12	4
288	Sunnymead Blvd	SR-60 WB Off-Ramp	Perris Blvd	2,200	8	17	15	26	1	2	2	2,188	7	15	11
289	Sunnymead Blvd	Perris Blvd	SR-60 WB On-Ramp	1,728	10	7	6	86	3	7	13	1,695	8	3	4
290	Perris Blvd	Sunnymead Blvd	Fir Ave	2,826	15	20	19	46	2	4	26	2,773	10	13	9
294	Via Del Lago	South of Iris Ave		142	2	0	0	7	0	0	0	140	2	0	0
301	John F. Kennedy Dr	Indian St	Perris Blvd	1,393	2	3	0	52	2	5	0	1,364	2	2	0
302	John F. Kennedy Dr	Perris Blvd	Kitching St	1,336	7	3	0	55	2	5	0	1,428	6	2	0
303	Perris Blvd	John F. Kennedy Dr	Iris Ave	2,300	17	18	17	3	0	1	23	2,586	14	15	9
304	Iris Ave	Indian St	Perris Blvd	1,148	7	3	4	3	1	2	0	1,175	4	1	4
306	Perris Blvd	Iris Ave	Krameria Ave	2,080	21	15	15	66	3	12	23	1,987	17	8	8
307	Perris Blvd	Krameria Ave	Harley Know Blvd	2,144	25	17	13	148	7	23	23	2,233	22	13	6
324	Ramona Expy	Warren Rd	Sanderson Ave	1,164	22	7	23	4	0	0	0	1,184	22	7	27
325	Sanderson Ave	Gilman Springs Rd	Ramona Expy	3,020	35	10	87	187	4	12	15	3,069	35	7	47
326	Ramona Expy	Sanderson Ave	State St	1,269	24	6	14	10	0	0	0	1,264	24	6	26
327	Sanderson Ave	Ramona Expy	Ramona Blvd	1,499	17	2	15	169	4	12	15	1,453	16	1	13
340	Alessandro Blvd	South of San Timoteo Canyon Rd		31	0	0	0	0	0	0	0	31	0	0	0
351	Live Oak Canyon Rd	South of San Timoteo Canyon Rd		60	0	0	0	2	0	0	0	64	0	0	0

358	Gilman Springs Rd	Bridge St	SR-79 SB Ramps	1,083	17	3	3	394	9	27	26	979	14	0	0
359	SR-79 SB Off-Ramp	SR-79	Gilman Springs Rd	872	11	8	19	10	0	0	0	430	8	0	0
360	Gilman Springs Rd	SR-79 SB Ramps	SR-79 NB Ramps	1,146	13	4	2	287	7	19	15	829	10	0	0
361	SR-79 SB On-Ramp	Gilman Springs Rd	SR-79	746	14	3	2	204	4	13	17	734	13	3	0
362	SR-79 NB On-Ramp	SR-79	Gilman Springs Rd	459	7	6	16	4	0	0	0	469	5	3	7
363	Gilman Springs Rd	SR-79 NB Ramps	Record Rd	1,389	18	6	1	203	5	13	7	1,115	16	0	0
364	SR-79 NB Off-Ramp	Gilman Springs Rd	SR-79	184	2	1	1	170	3	5	6	32	0	0	0
365	Alessandro Blvd	Sycamore Canyon Blvd	Vista Grande Dr	4,470	43	21	22	77	2	6	8	4,793	41	17	18
366	Sycamore Canyon Blvd	Eastridge Ave	Alessandro Blvd	663	17	8	11	2	0	0	2	556	16	8	14
367	Meridian Pkwy	Alessandro Blvd	Cactus Ave	542	5	2	6	0	0	0	0	690	5	3	7
375	Mid County Pkwy WB On-	Mid County Pkwy	3rd St	0	0	0	0	0	0	0	0	0	0	0	0
376	3rd St	Marvin Rd	Mid County Pkwy WB R	0	0	0	0	0	0	0	0	0	0	0	0
377	Mid County Pkwy WB Off-	Mid County Pkwy	3rd St	0	0	0	0	0	0	0	0	0	0	0	0
378	3rd St	Mid County Pkwy EB Ramps	Mid County Pkwy WB R	0	0	0	0	0	0	0	0	0	0	0	0
379	Mid County Pkwy EB Off-	Mid County Pkwy	3rd St	0	0	0	0	0	0	0	0	0	0	0	0
380	Mid County Pkwy EB On-	3rd St	Mid County Pkwy	0	0	0	0	0	0	0	0	0	0	0	0
381	3rd St	Mid County Pkwy EB Ramps	MM Blvd	0	0	0	0	0	0	0	0	0	0	0	0
386	Harley Know Blvd	Indian St	Perris Blvd	408	7	6	12	0	0	0	0	490	7	6	12
387	Perris Blvd	Krameria Ave	Harley Know Blvd	1,777	19	10	30	112	5	15	13	1,742	17	5	26
388	Krameria Ave	Lasselle St	Spirit Rd	165	0	0	0	0	0	0	0	165	0	0	0
389	El Cerrito Dr	South of Central Ave		339	3	2	2	2	0	0	0	352	3	2	2
390	Ramona Expy	Webster Ave	Indian St	2,283	40	9	74	41	2	5	2	2,395	40	11	79
392	Ramona Expy	Indian St	Perris Blvd	2,274	36	10	42	25	2	9	3	2,395	38	12	48
393	Indian St	Ramona Expy	Morgan St	285	37	12	45	5	1	7	6	310	30	8	38
394	Perris Blvd	Harley Know Blvd	Ramona Expy	1,562	16	11	24	108	4	15	11	1,329	14	7	21
396	Perris Blvd	Ramona Expy	Rider St	2,011	24	11	8	169	6	18	4	1,779	19	4	6
397	Ramona Expy	Perris Blvd	Evans Rd	2,328	28	10	29	147	5	16	2	2,448	28	10	31
398	Evans Rd	Marbella Gate	Ramona Expy	1,005	11	3	0	304	9	14	0	867	4	0	0
399	Ramona Expy	Evans Rd	Rider St	1,497	26	5	19	16	0	1	0	1,736	26	6	23
400	Evans Rd	Ramona Expy	Rider St	1,075	9	1	1	52	1	2	0	1,105	9	1	1
401	Morgan St	Indian St	Perris Blvd	356	7	7	10	0	0	0	0	277	7	4	7
402	Morgan St	Perris Blvd	Silver Creek Industries	102	6	2	0	0	0	0	0	114	6	2	0
404	Morgan St	Morgan Park	Evans Rd	309	1	1	0	0	0	0	0	321	1	1	0
405	Morgan St	Evans Rd	Bradley Rd	584	2	0	1	19	1	1	0	618	1	0	1
406	Ironwood Ave	East of Thedore St		67	11	2	1	8	1	1	0	67	9	1	0
407	Rider St	Indian St	Perris Blvd	328	3	1	3	0	0	0	0	360	3	1	3
408	Rider St	Perris Blvd	Redlands Ave	689	8	0	0	1	0	0	0	691	9	0	0
409	Ironwood Ave	Nason St	Moreno Beach Dr	490	1	5	0	18	1	1	0	566	1	6	0
410	Rider St	Wilson Ave	Evans Rd	993	5	0	1	28	1	1	0	987	5	0	1
411	Rider St	Evans Rd	Ramona Expy	519	2	0	2	1	0	0	0	519	2	0	2
412	Maude St	North of Arlington Ave		18	0	0	0	0	0	0	0	18	0	0	0
413	Placentia Ave	Indian St	Perris Blvd	723	11	12	17	10	0	1	1	701	8	5	5
414	Placentia Ave	Perris Blvd	Redlands Ave	426	2	0	0	1	0	0	0	414	1	0	0
415	Perris Blvd	Placentia Ave	Orange Ave	2,425	23	23	27	147	5	14	3	2,502	16	15	13
416	Mid County Pkwy WB On-	Mid County Pkwy	Perris Blvd	671	6	10	15	49	2	7	1	440	1	2	6
417	Mid County Pkwy WB Off-	Perris Blvd	Mid County Pkwy	518	5	7	13	1	0	0	2	485	3	6	8
419	Mid County Pkwy EB Off-	Mid County Pkwy	Perris Blvd	933	8	13	18	69	2	6	1	686	1	0	4
420	Mid County Pkwy EB On-	Perris Blvd	Mid County Pkwy	531	4	6	10	0	0	0	0	835	3	6	9
421	Via Del Lago	South of Iris Ave		32	0	0	0	0	0	0	0	32	0	0	0
424	Perris Blvd	Alessandro Blvd	Cottonwood Ave	2,348	15	18	9	14	1	2	25	2,365	12	11	1
425	Mid County Pkwy WB On-	West of Evan		408	3	2	2	15	0	1	0	278	2	1	1

426	Mid County Pkwy WB Off	East of Evan		143	1	1	1	0	0	0	0	201	1	1	1
427	Day St	south of Alessandro Blvd		169	3	4	11	1	0	1	0	195	3	3	9
428	Mid County Pkwy EB Off-I	West of Evan		437	3	2	2	7	0	0	0	584	2	1	1
429	Mid County Pkwy EB On-F	East of Evan		158	1	1	1	0	0	0	0	190	1	1	1
430	Alessandro Blvd	SR-215 NB Ramp	SR-215 SB Ramp	3,329	35	19	27	56	2	4	7	3,480	32	14	22
431	Placentia Ave	Water Ave	Evans Rd	0	0	0	0	0	0	0	0	0	0	0	0
432	Placentia Ave	Evans Rd	El Nido Ave	0	0	0	0	0	0	0	0	0	0	0	0
433	Evans Rd	Rider St	Orange Ave	492	4	2	2	24	0	1	0	522	2	1	1
434	Orange Ave	Wilson Ave	Evans Rd	443	5	0	1	2	0	0	0	474	5	0	1
435	Orange Ave	Evans Rd	Foothill Dr	232	2	0	1	0	0	0	0	251	2	0	1
436	Elsworth St	south of Cactus Ave		1,340	5	14	3	0	0	0	0	1,541	3	10	3
441	Nuevo Rd	Wilson Ave	Evans Rd	1,193	6	2	5	0	0	0	0	1,176	6	2	5
442	Evans Rd	Orange Ave	Nuevo Rd	526	1	0	1	7	0	0	0	560	1	0	1
443	Nuevo Rd	Evans Rd	Foothill Dr	908	4	2	4	5	0	0	0	906	4	2	4
444	Evans Rd	Nuevo Rd	San Jacinto Ave	0	0	0	0	0	0	0	0	0	0	0	0
452	San Jacinto Ave	West of Evan Rd		0	0	0	0	0	0	0	0	0	0	0	0
453	Evans Rd	North of San Jancito Ave		0	0	0	0	0	0	0	0	0	0	0	0
454	San Jacinto Ave	East of Evan Rd		0	0	0	0	0	0	0	0	0	0	0	0
455	Evans Rd	South of San Jancito Ave		0	0	0	0	0	0	0	0	0	0	0	0
458	Nason St	South of Cactus Ave		548	4	4	0	0	0	0	0	0	0	0	0
464	Quincy	South of Eucalyptus		0	0	0	0	0	0	0	0	0	0	0	0
477	Ellis Ave	West of Evan Rd		0	0	0	0	0	0	0	0	0	0	0	0
478	Evans Rd	North of Ellis Ave		0	0	0	0	0	0	0	0	0	0	0	0
479	Oliver St	South of Irris Ave		222	2	1	0	0	0	0	0	222	2	1	0
480	Ellis Ave	Evans Rd	SR-215	0	0	0	0	0	0	0	0	0	0	0	0
481	SR-215 SB Off-ramp	SR-215	Ellis Ave	0	0	0	0	0	0	0	0	0	0	0	0
482	Ellis Ave	East of SR-215		0	0	0	0	0	0	0	0	0	0	0	0
483	SR-215 SB On-ramp	Ellis Ave	SR-215	0	0	0	0	0	0	0	0	0	0	0	0
484	SR-215 NB On-ramp	Ellis Ave	SR-215	0	0	0	0	0	0	0	0	0	0	0	0
485	SR-215 NB Off-ramp	SR-215	Ellis Ave	0	0	0	0	0	0	0	0	0	0	0	0
488	Nason St	North of Iris Ave		548	4	4	0	0	0	0	0	780	3	5	0
494	Evans Rd	North of Harley Knox Blvd		0	0	0	0	0	0	0	0	0	0	0	0
498	Morrison St	Alessandro Blvd	Cactus Ave	0	0	0	0	0	0	0	0	0	0	0	0
499	Perris Blvd	Eucalyptus Ave	Cottonwood Ave	2,694	20	9	8	36	2	3	25	2,627	15	3	0
500	Perris Blvd	North of Eucalyptus Ave		2,698	20	9	9	38	2	3	26	2,671	16	3	1
502	Quincy	Cottonwood Ave	Alessandro Blvd	0	0	0	0	0	0	0	0	0	0	0	0
503	Quincy	Alessandro Blvd	Cactus Ave	0	0	0	0	0	0	0	0	0	0	0	0
504	Krameria Ave	west of Perris Blvd		1,191	15	13	0	21	2	8	0	1,138	10	9	0

E.2 - Other Development Projects



Note: Exhibit taken from Traffic Impact Study Locations can be found in Appendix E.

NORTH

Michael Brandman Associates

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Locations of Past, Present, and Reasonable Foreseeable Projects in the Study Area

Table E2-1: Other Development Projects Assumed to be Complete by 2017

	Project	Land Use	Size (sqft)	Dwelling Units
1	First Industrial I & II (Industrial Area SP)	Light Industrial	865,960	0
2	Moreno Valley Industrial Park, (Industrial Area SP)	Light Industrial	619,127	0
3	Indian Business Park, (Industrial Area SP)	Business Park	1,560,046	0
4	Moreno Valley Industrial Center (Industrial Area SP)	Light Industrial	354,810	0
5	Highland Fairview, Corporate Park, (Phases 2 and 3)	Commercial	200,000	0
		Logistics	600,000	0
6	Overton Moore Properties PA08-0072	Light Industrial	520,000	0
7	Centerpointe Business Park	Light Industrial	356,000	0
8	PA07-0035	Heavy Industrial	207,086	0
9	PA07-0039, (Industrial Area SP)	Heavy Industrial	409,598	0
11	Moreno Beach Marketplace / Lowes	Commercial	175,000	0
12	Westridge Commerce Center	Light Industrial	937,260	0
13	Meridian Business Park	Business Park	5,985,000	0
16	ProLogis/Rolling Hills Ranch Industrial	Heavy Industrial	2,565,684	0
17	P05-0113	Logistics	1,743,000	0
18	P05-0192	Logistics	697,600	0
19	P07-09-0018	Heavy Industrial	170,000	0
20	P07-07-0029	Logistics	3,008,000	0
21	P05-0493	Logistics	597,370	0
22	Ridge II	Heavy Industrial	2,000,000	0
23	P06-0411		0	0
24	Jordan Distribution	Heavy Industrial	378,000	0
25	Aiere	Heavy Industrial	642,000	0
26	P07-1028, -0102; and P09-0416, -0418, -0419	Light Industrial	652,018	0
27	Majestic Freeway Business Center, SP 341	Light Industrial	6,200,000	0
28	Oleander Business Park, PP20699	Heavy Industrial	1,172,710	0
		Office	34,000	0
29	Amstar/Kaliber Development, PP22925	Light Industrial	42,222	0
		Heavy Industrial	409,312	0
		Commercial	10,000	0
		Office	258,102	0
30	Auto Mall Specific Plan Planning Area C	Commercial	304,500	0
31	Moreno Medical Campus	Medical Office	80,000	0
32	Convenience Store / Fueling Station	Commercial	30,750	0
33	Retail Center / Winco Foods	Commercial	140,000	0
34	March LifeCare Campus Specific Plan	Commercial	315,000	0
		Medical Office	1,990,000	0
		Institutional	940,000	0
		Mixed Use	310,000	0

Table E2-1: Other Development Projects Assumed to be Complete by 2017 'cont

	Project	Land Use	Size (sqft)	Dwelling Units
35	Aqua Bella Specific Plan	Residential	0	2,922
36	TR36340	Residential	0	275
37	TR32460 / Sussex Capital	Residential	0	58
38	TR32459 / Sussex Capital	Residential	0	11
39	TR30411 / Pacific Communities	Residential	0	24
40	TR33962 / Pacific Scene Homes	Residential	0	31
41	TR30998 / Pacific Communities	Residential	0	47
42	Senior Assisted Living	Residential	0	139
43	TR31590 / Winchester Associates	Residential	0	96
44	TR31305 / Richmond American	Residential	0	87
45	TR31771 / Sanchez	Residential	0	25
46	TR34397 / Winchester Associates	Residential	0	52
47	TR32645 / Winchester Associates	Residential	0	54
48	TR32548 / Gabel, Cook & Associates	Residential	0	107
49	26th Corporation & Granite Capitol	Residential	0	32
50	TR32218 / Whitney	Residential	0	63
51	TR32505 / DR Horton	Residential	0	71
52	TR32917 / Empire land	Residential	0	54
53	TR34329 / Granite Capitol	Residential	0	90
54	TR34216 / Creative Design Associates	Residential	0	189
55	TR32756 / CTK, Inc.	Residential	0	241
56	TR34681 / Perris Pacific Co.	Residential	0	49
57	Alessandro Village Plaza LLC	Residential	0	96
58	TR34988 / Stratus Properties	Residential	0	251
59	TR33607 / TL Group	Residential	0	52
60	TR31814 / Moreno Valley Investors	Residential	0	60
61	TR33771 / Creative Design Associates	Residential	0	12
62	TR35663 / Kha	Residential	0	12
63	TR22180 / Young Homes	Residential	0	87
64	TR32515	Residential	0	161
65	TR32142	Residential	0	81
66	Heartland	Residential	0	922
67	TR32707	Residential	0	137
68	TR34716	Residential	0	318
Total			37,480,155	6,906
Source: Parsons Brinkerhoff 2012				

TableE2- 2: Other Development Projects Assumed to be Completed by 2022

	Project	Land Use	Size (sqft)	Dwelling Units
69	March Business Center (Industrial Area SP)	Business Park	1,484,49	0
70	First Industrial III & IV, (Industrial Area SP)	Light Industrial	1,182,91	0
71	San Michele Industrial Center, (Industrial Area SP)	Light Industrial	865,96	0
72	ProLogis	Light Industrial	367,00	0
		Logistics	1,901,00	
73	Vogel /PA09-004	Heavy Industrial	1,616,13	0
74	Ivan Devries / PA06-0017	Heavy Industrial	529,20	0
75	Ridge Property Trust, PA07-0147 & PA 07-0157	Heavy Industrial	353,84	0
76	Hidden Canyon	Light Industrial	2,890,00	0
77	Cresta Bella	Office	30,00	0
78	Harvest Landing Specific Plan	Business Park	1,306,58	1,860
Total			12,527,13	1,860

Source: Parsons Brinkerhoff 2012

Table E2-3: Other Development Projects Assumed to be Completed by 2035

	Project	Land Use Type	Size (sqft)	Dwelling Units
79	P05-0477	Logistics	1,725,41	0
80	Starcrest, P011-0005; 08-11-0006	Light Industrial	454,08	0
82	Villages of Lakeview		500,00	11,350
83	Moreno Marketplace	Commercial	93,78	0
84	Commercial Medical Plaza	Commercial	311,63	0
85	P06-158 / Gascon	Commercial	116,36	0
86	Mountain Bridge Regional Commercial Community	Commercial	1,853,25	0
87	Gateway Area Specific Plan	Commercial	1,144,60	0
		Mixed Use	3,051,01	0
88	TR35823 / Stowe Passco Development		0	478
89	TR35530 / Quail Ranch Specific Plan		20,00	1,251
90	Jack Rabbit Trail		0	2,000
91	The Preserve Legacy Highlands SP		595,90	3,412
92	South Perris Industrial Pase 1	Logistics	787,70	
93	South Perris Industrial Pase 2	Logistics	3,448,73	
94	South Perris Industrial Pase 3	Logistics	3,166,85	
Total			17,269,33	18,491

Source: Parsons Brinkerhoff 2012

E.3 - 2012 LST Existing + Project Emissions and AERMOD Output

World Logistics Center **2012** **Phase 1**
CO Emissions

Emission Assumptions - Peak PM Hour

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for CO emissions
c) Emissions calculated for 2012

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr):	24
Facility operations for All Others (hr):	24

World Logistics Center

2012 **Phase 1** **Build out in 2012**

Total Peak Hour Vehicle Running Exhaust Emissions **Pollutant** **CO**

Travel to Building	**AERMOD Source ID**	**Diesel Vehicles (g/sec)**	**Non-Diesel Vehicles (g/sec)**	**Total (g/sec)**
High Cube	Phase 1	5.44E-01	1.08E+00	1.62E+00
Light Logistics	Phase 1	4.26E-03	1.58E-02	2.00E-02
Gas Compressor	Phase 1	1.20E-03	6.02E-03	7.22E-03
Fueling Station	Phase 1	1.48E-03	1.25E-03	2.73E-03
Total		5.51E-01	1.10E+00	1.65E+00

Total Peak Hour Vehicle Idling Emission Sources **Pollutant** **CO**

Building	**AERMOD Source IDs**	**Diesel Vehicles Emissions (g/sec)**	**Non-Diesel Emissions (g/sec)**	**Total Emissions (g/sec)**
High Cube	Phase 1	9.93E-01	2.71E-01	1.26E+00
Light Logistics	Phase 1	1.48E-02	5.28E-03	2.00E-02
GasCompressor	Phase 1	4.21E-03	2.89E-03	7.11E-03
Fueling Station	Phase 1	2.51E-02	3.27E-03	2.84E-02
Total		1.04E+00	2.83E-01	1.32E+00

Total Peak Hour Onsite Emission

Runing Exhaust	1.65E+00	
Idling Emissions	1.32E+00	
Total	2.97E+00	g/sec
Size of Area Source	4600443	m2
Area Emission Rate	**6.46E-07**	**g/m2-sec**
Weighted Emission Ht (m)	2.60E+00	

World Logistics Center **2012** **Phase 1**

Vehicle Fleet Mix

Trips Within Specific Plan

	Building Size (sq-ft)	
High Cube Warehouse	21250000	
Light Logistics	200000	
Compression Station	30825	
Fueling Station/Convenience Store	3000	6 pumps
	21,483,825	

Trip Generation

	trips/pk hr (Non-PCE)	Source
High Cube Warehouse	2550	<---- PB 2012 (100512)
Light Logistics	64	
Compression Station	23	
Fueling Station/Convenience Store	36	
Total	2673	

Vehicle Fleet for High Cube Warehouse

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	64.3%	53.23%	0.27%	2	871	873
LDT1		7.93%	0.11%	0	130	130
LDT2		19.54%	0.04%	0	320	320
MDT		19.30%	0.08%	0	316	317
SubTotal		100.0%		3	1637	1640
LHDT1 (2 axle truck)	6.1%	85.42%	37.31%	50	83	133
LHDT2		14.58%	69.81%	16	7	23
Subtota;		100.0%		65	90	156
MHDT (3 axle truck)	8.1%	100.0%	86.27%	178	28	207
HHDT (4+ axle truck)	21.5%	100.0%	98.96%	543	6	548
Total	100.0%			789	1761	2550

Vehicle Fleet for Light Logistics

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	76.6%	53.23%	0.27%	0	26	26
LDT1		7.93%	0.11%	0	4	4
LDT2		19.54%	0.04%	0	10	10
MDT		19.30%	0.08%	0	9	9
SubTotal		100.0%		0	49	49
LHDT1 (2 axle truck)	6.3%	85.42%	37.31%	1	2	3
LHDT2		14.58%	69.81%	0	0	1
Subtota;		100.0%		2	2	4
MHDT (3 axle truck)	4.7%	100.0%	86.27%	3	0	3
HHDT (4+ axle truck)	12.4%	100.0%	98.96%	8	0	8
Total	100.0%			12	52	64

Vehicle Fleet for Gas Compression

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	75.1%	53.23%	0.27%	0	9	9
LDT1		7.93%	0.11%	0	1	1
LDT2		19.54%	0.04%	0	3	3
MDT		19.30%	0.08%	0	3	3
SubTotal		100.0%		0	18	18
LHDT1 (2 axle truck)	12.5%	85.42%	37.31%	1	2	3
LHDT2		14.58%	69.81%	0	0	0
Subtota;		100.0%		1	2	3
MHDT (3 axle truck)	4.1%	100.0%	86.27%	1	0	1
HHDT (4+ axle truck)	8.3%	100.0%	98.96%	2	0	2
Total	100.0%			4	19	23

Vehicle Fleet for Fueling Station/Convenience Store

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	45.7%	53.23%	0.27%	0	9	9
LDT1		7.93%	0.11%	0	1	1
LDT2		19.54%	0.04%	0	3	3
MDT		19.30%	0.08%	0	3	3
SubTotal		100.0%		0	16	16
LHDT1 (2 axle truck)	2.2%	85.42%	37.31%	0	0	1
LHDT2		14.58%	69.81%	0	0	0
Subtota;		100.0%		0	0	1
MHDT (3 axle truck)	8.7%	100.0%	86.27%	3	0	3
HHDT (4+ axle truck)	43.4%	100.0%	98.96%	15	0	16
Total	100.0%			19	17	36

Vehicle Summary (High Cube + Light Logistics + Gas Compressor + Fueling Station/Convenience Store)

Vehicle Class	Pk Hr Diesel Trips	Pk Hr Non Diesel Trips	Total Pk Hr Trips
LDA	2	915	917
LDT1	0	136	137
LDT2	0	336	337
MDT	0	332	333
LHDT1	52	87	139
LHDT2	17	7	24
MHDT	184	29	214
HHDT	568	6	574
Total	824	1850	2674

Trip Generation from PB 2012 Traffic Study
Vehicle Fleet Mix taken from EMFAC2011 for the SCAQMD in **2012** and the PB 2012 Traffic Study
% Diesel taken from EMAC2011 for the SCAQMD in **2012**

World Logistics Center 2012 Phase 1 Build out in 2012
Diesel Vehicle Emissions CO

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions CO Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/hr)	Pk Hr Emissions (lbs/hr)	Pk Hr Average Emissions (g/sec)	Total Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	LDA	15	0.690	2	950	0.59	9.66E-01	2.13E-03	2.68E-04	
	LDT1	15	1.099	0	950	0.59	8.94E-02	1.97E-04	2.48E-05	
	LDT2	15	0.989	0	950	0.59	8.23E-02	1.81E-04	2.29E-05	
	MDT	15	0.583	0	950	0.59	8.96E-02	1.97E-04	2.49E-05	
	LHDT1	15	1.658	50	950	0.59	4.85E+01	1.07E-01	1.35E-02	
	LHDT2	15	1.583	16	950	0.59	1.48E+01	3.26E-02	4.11E-03	
	MHDT	15	2.536	178	950	0.59	2.67E+02	5.87E-01	7.41E-02	
	HHDT	15	5.081	543	950	0.59	1.63E+03	3.58E+00	4.52E-01	
				789			1.96E+03	4.31E+00	5.44E-01	5.44E-01
Travel at Light Logistics	LDA	15	0.690	0	500	0.31	1.52E-02	3.35E-05	4.22E-06	
	LDT1	15	1.099	0	500	0.31	1.41E-03	3.10E-06	3.91E-07	
	LDT2	15	0.989	0	500	0.31	1.29E-03	2.85E-06	3.60E-07	
	MDT	15	0.583	0	500	0.31	1.41E-03	3.11E-06	3.92E-07	
	LHDT1	15	1.658	1	500	0.31	6.62E-01	1.46E-03	1.84E-04	
	LHDT2	15	1.583	0	500	0.31	2.02E-01	4.44E-04	5.60E-05	
	MHDT	15	2.536	3	500	0.31	2.04E+00	4.50E-03	5.68E-04	
	HHDT	15	5.081	8	500	0.31	1.24E+01	2.73E-02	3.44E-03	
				12			1.53E+01	3.37E-02	4.26E-03	4.26E-03
Travel at Gas Compressor	LDA	15	0.690	0	500	0.31	5.45E-03	1.20E-05	1.51E-06	
	LDT1	15	1.099	0	500	0.31	5.05E-04	1.11E-06	1.40E-07	
	LDT2	15	0.989	0	500	0.31	4.65E-04	1.02E-06	1.29E-07	
	MDT	15	0.583	0	500	0.31	5.06E-04	1.11E-06	1.41E-07	
	LHDT1	15	1.658	1	500	0.31	4.81E-01	1.06E-03	1.34E-04	
	LHDT2	15	1.583	0	500	0.31	1.47E-01	3.23E-04	4.07E-05	
	MHDT	15	2.536	1	500	0.31	6.53E-01	1.44E-03	1.81E-04	
	HHDT	15	5.081	2	500	0.31	3.04E+00	6.69E-03	8.43E-04	
							4.32E+00	9.52E-03	1.20E-03	1.20E-03
Travel at Refueling Station	LDA	15	0.690	0	100	0.06	1.02E-03	2.25E-06	2.83E-07	
	LDT1	15	1.099	0	100	0.06	9.44E-05	2.08E-07	2.62E-08	
	LDT2	15	0.989	0	100	0.06	8.69E-05	1.91E-07	2.41E-08	
	MDT	15	0.583	0	100	0.06	9.47E-05	2.09E-07	2.63E-08	
	LHDT1	15	1.658	0	100	0.06	2.60E-02	5.73E-05	7.22E-06	
	LHDT2	15	1.583	0	100	0.06	7.93E-03	1.75E-05	2.20E-06	
	MHDT	15	2.536	3	100	0.06	4.26E-01	9.37E-04	1.18E-04	
	HHDT	15	5.081	15	100	0.06	4.88E+00	1.07E-02	1.36E-03	
				19			5.34E+00	1.18E-02	1.48E-03	1.48E-03
Total - All Buildings	LDA			2			9.87E-01	2.18E-03	2.74E-04	
	LDT1			0			9.14E-02	2.01E-04	2.54E-05	
	LDT2			0			8.41E-02	1.85E-04	2.34E-05	
	MDT			0			9.17E-02	2.02E-04	2.55E-05	
	LHDT1			52			4.97E+01	1.09E-01	1.38E-02	
	LHDT2			17			1.51E+01	3.34E-02	4.21E-03	
	MHDT			184			2.70E+02	5.94E-01	7.49E-02	
	HHDT			568			1.65E+03	3.63E+00	4.57E-01	
	Total			824			1.98E+03	4.37E+00	5.51E-01	5.51E-01

Diesel truck Idling Emissions **CO Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	**LHDT1**	14.232	15	25	8.82E+01	1.94E-01	2.45E-02	
	LHDT2	13.593	15	8	2.69E+01	5.92E-02	7.47E-03	
	MHDT	29.885	15	89	6.66E+02	1.47E+00	1.85E-01	
	HHDT	41.208	15	271	2.79E+03	6.16E+00	7.76E-01	
				393	3.58E+03	7.88E+00	9.93E-01	9.93E-01
Idle at Light Logistics	**LHDT1**	14.232	15	1	2.29E+00	5.04E-03	6.35E-04	
	LHDT2	13.593	15	0	6.97E-01	1.54E-03	1.94E-04	
	MHDT	29.885	15	1	9.69E+00	2.14E-02	2.69E-03	
	HHDT	41.208	15	4	4.05E+01	8.91E-02	1.12E-02	
				6	5.31E+01	1.17E-01	1.48E-02	1.48E-02
Idle at Gas Compressor	**LHDT1**	14.232	15	0	1.66E+00	3.66E-03	4.61E-04	
	LHDT2	13.593	15	0	5.06E-01	1.12E-03	1.41E-04	
	MHDT	29.885	15	0	3.10E+00	6.82E-03	8.60E-04	
	HHDT	41.208	15	1	9.91E+00	2.18E-02	2.75E-03	
				2	1.52E+01	3.34E-02	4.21E-03	4.21E-03
Idle at Fueling Station	**LHDT1**	14.232	15	0	4.49E-01	9.89E-04	1.25E-04	
	LHDT2	13.593	15	0	1.37E-01	3.02E-04	3.80E-05	
	MHDT	29.885	15	1	1.01E+01	2.22E-02	2.80E-03	
	HHDT	41.208	15	8	7.96E+01	1.75E-01	2.21E-02	
				9	9.03E+01	1.99E-01	2.51E-02	2.51E-02
TOTAL				410	3.73E+03	8.22E+00	1.04E+00	1.04E+00

World Logistics Center 2012 Phase 1 Build out in 2012
Non-Diesel Vehicle Emissions CO

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions CO Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/day)	Pk Hr Emissions (lbs/day)	Pk Hr Emissions (g/sec)	Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	2.469	871	950	0.59	1.27E+03	2.79E+00	3.52E-01	
	LDT1	15	6.015	130	950	0.59	4.61E+02	1.02E+00	1.28E-01	
	LDT2	15	3.333	320	950	0.59	6.30E+02	1.39E+00	1.75E-01	
	MDT	15	4.018	316	950	0.59	7.50E+02	1.65E+00	2.08E-01	
	LHDT1	15	6.015	83	950	0.59	2.96E+02	6.51E-01	8.21E-02	
	LHDT2	15	4.092	7	950	0.59	1.65E+01	3.64E-02	4.59E-03	
	MHDT	15	15.046	28	950	0.59	2.52E+02	5.55E-01	7.00E-02	
	HHDT	15	64.218	6	950	0.59	2.17E+02	4.78E-01	6.03E-02	
				1761			3.89E+03	8.57E+00	1.08E+00	1.08E+00
Travel at Light Logistics	LDA	15	2.469	26	500	0.31	2.00E+01	4.40E-02	5.54E-03	
	LDT1	15	6.015	4	500	0.31	7.25E+00	1.60E-02	2.01E-03	
	LDT2	15	3.333	10	500	0.31	9.91E+00	2.18E-02	2.75E-03	
	MDT	15	4.018	9	500	0.31	1.18E+01	2.60E-02	3.28E-03	
	LHDT1	15	6.015	2	500	0.31	4.03E+00	8.88E-03	1.12E-03	
	LHDT2	15	4.092	0	500	0.31	2.26E-01	4.97E-04	6.26E-05	
	MHDT	15	15.046	0	500	0.31	1.93E+00	4.25E-03	5.36E-04	
	HHDT	15	64.218	0	500	0.31	1.65E+00	3.64E-03	4.59E-04	
				52			5.68E+01	1.25E-01	1.58E-02	1.58E-02
Travel at Gas Compressor	LDA	15	2.469	9	500	0.31	7.16E+00	1.58E-02	1.99E-03	
	LDT1	15	6.015	1	500	0.31	2.60E+00	5.73E-03	7.23E-04	
	LDT2	15	3.333	3	500	0.31	3.56E+00	7.84E-03	9.88E-04	
	MDT	15	4.018	3	500	0.31	4.24E+00	9.33E-03	1.18E-03	
	LHDT1	15	6.015	2	500	0.31	2.93E+00	6.45E-03	8.14E-04	
	LHDT2	15	4.092	0	500	0.31	1.64E-01	3.61E-04	4.55E-05	
	MHDT	15	15.046	0	500	0.31	6.16E-01	1.36E-03	1.71E-04	
	HHDT	15	64.218	0	500	0.31	4.05E-01	8.93E-04	1.13E-04	
				19			2.17E+01	4.77E-02	6.02E-03	6.02E-03
Travel at Fueling Station	LDA	15	2.469	9	100	0.06	1.34E+00	2.95E-03	3.72E-04	
	LDT1	15	6.015	1	100	0.06	4.87E-01	1.07E-03	1.35E-04	
	LDT2	15	3.333	3	100	0.06	6.65E-01	1.47E-03	1.85E-04	
	MDT	15	4.018	3	100	0.06	7.92E-01	1.74E-03	2.20E-04	
	LHDT1	15	6.015	0	100	0.06	1.58E-01	3.49E-04	4.40E-05	
	LHDT2	15	4.092	0	100	0.06	8.86E-03	1.95E-05	2.46E-06	
	MHDT	15	15.046	0	100	0.06	4.02E-01	8.85E-04	1.12E-04	
	HHDT	15	64.218	0	100	0.06	6.51E-01	1.43E-03	1.81E-04	
				17			4.50E+00	9.92E-03	1.25E-03	1.25E-03
Total - All Buildings	LDA			915			1.30E+03	2.86E+00	3.60E-01	
	LDT1			136			4.71E+02	1.04E+00	1.31E-01	
	LDT2			336			6.44E+02	1.42E+00	1.79E-01	
	MDT			332			7.67E+02	1.69E+00	2.13E-01	
	LHDT1			87			3.03E+02	6.67E-01	8.41E-02	
	LHDT2			7			1.69E+01	3.73E-02	4.70E-03	
	MHDT			29			2.55E+02	5.61E-01	7.08E-02	
	HHDT			6			2.20E+02	4.84E-01	6.11E-02	
				1850			3.97E+03	8.75E+00	1.10E+00	1.10E+00

Non-Diesel truck Idling Emissions **CO Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	**LHDT1**	37.483	15	42	3.90E+02	8.60E-01	1.08E-01	
	LHDT2	36.885	15	3	3.16E+01	6.95E-02	8.77E-03	
	MHDT	130.012	15	14	4.61E+02	1.02E+00	1.28E-01	
	HHDT	130.012	15	3	9.31E+01	2.05E-01	2.59E-02	
				62	9.76E+02	2.15E+00	2.71E-01	2.71E-01
Idle at Light Logistics	**LHDT1**	37.48	15	1	1.01E+01	2.23E-02	2.81E-03	
	LHDT2	36.88	15	0	8.18E-01	1.80E-03	2.27E-04	
	MHDT	130.01	15	0	6.71E+00	1.48E-02	1.86E-03	
	HHDT	130.01	15	0	1.35E+00	2.97E-03	3.74E-04	
				1	1.90E+01	4.18E-02	5.28E-03	5.28E-03
Idle at Gas Compressor	**LHDT1**	37.48	15	1	7.35E+00	1.62E-02	2.04E-03	
	LHDT2	36.88	15	0	5.94E-01	1.31E-03	1.65E-04	
	MHDT	130.01	15	0	2.14E+00	4.72E-03	5.95E-04	
	HHDT	130.01	15	0	3.30E-01	7.27E-04	9.17E-05	
				1	1.04E+01	2.29E-02	2.89E-03	2.89E-03
Idle at Fueling Station	**LHDT1**	37.483	15	0	1.99E+00	4.38E-03	5.52E-04	
	LHDT2	36.885	15	0	1.61E-01	3.54E-04	4.46E-05	
	MHDT	130.012	15	0	6.99E+00	1.54E-02	1.94E-03	
	HHDT	130.012	15	0	2.65E+00	5.84E-03	7.37E-04	
				1	1.18E+01	2.60E-02	3.27E-03	3.27E-03
TOTAL				65	1.02E+03	2.24E+00	2.83E-01	2.83E-01

World Logistics Center

2012 Phase 2
CO Emissions

Emission Assumptions - Peak PM Hour

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for CO emissions
c) Emissions calculated for 2012

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr):	24
Facility operations for All Others (hr):	24

World Logistics Center

2012 **Phase 2** **Build out in 2012**

Total Peak Hour Vehicle Running Exhaust Emissions **Pollutant** **CO**

Travel to Building	**AERMOD Source ID**	**Diesel Vehicles (g/sec)**	**Non-Diesel Vehicles (g/sec)**	**Total (g/sec)**
High Cube	Phase 2	5.16E-01	1.02E+00	1.54E+00
Light Logistics	Phase 2	0.00E+00	0.00E+00	0.00E+00
Gas Compressor	Phase 2	0.00E+00	0.00E+00	0.00E+00
Fueling Station/Convenience Store	Phase 2	4.12E-04	3.48E-04	7.60E-04
Total		5.16E-01	1.03E+00	1.54E+00

Total Peak Hour Vehicle Idling Emission Sources **Pollutant** **CO**

Building	**AERMOD Source IDs**	**Diesel Vehicles Emissions (g/sec)**	**Non-Diesel Emissions (g/sec)**	**Total Emissions (g/sec)**
High Cube	Phase 2	9.42E-01	2.57E-01	1.20E+00
Light Logistics	Phase 2	0.00E+00	0.00E+00	0.00E+00
GasCompressor	Phase 2	0.00E+00	0.00E+00	0.00E+00
Fueling Station/Convenience Store	Phase 2	6.97E-03	9.10E-04	7.88E-03
Total		9.49E-01	2.58E-01	1.21E+00

Total Peak Hour Onsite Emissions

Runing Exhaust	1.54E+00	
Idling Emissions	1.21E+00	
Total	2.75E+00	g/sec
Size of Area Source	4565134	m2
Area Emission Rate	**6.02E-07**	**g/m2-sec**
Weighted Emission Ht (m)	2.60E+00	

World Logistics Center **2012** **Phase 2**

Vehicle Fleet Mix

	Building Size (sq-ft)	
High Cube Warehouse	20150000	
Light Logistics	0	
Compression Station	0	
Fueling Station	0	6 pumps
	20,150,000	

Trip Generation - High Cube Warehouse

	trips/pk hr (Non-PCE)	Source
High Cube Warehouse	2418	<--- PB 2012 (100512)
Light Logistics	0	
Compression Station	0	
Fueling Station	10	
Total	2428	

Vehicle Fleet for High Cube Warehouse

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	64.3%	53.23%	0.27%	2	825	828
LDT1		7.93%	0.11%	0	123	123
LDT2		19.54%	0.04%	0	304	304
MDT		19.30%	0.08%	0	300	300
SubTotal		100.0%		3	1552	1555
LHDT1 (2 axle truck)	6.1%	85.42%	37.31%	47	79	126
LHDT2		14.58%	69.81%	15	6	21
Subtota;		100.0%		62	85	147
MHDT (3 axle truck)	8.1%	100.0%	86.27%	169	27	196
HHDT (4+ axle truck)	21.5%	100.0%	98.96%	514	5	520
Total	100.0%			748	1670	2418

Vehicle Fleet for Light Logistics

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	76.6%	53.23%	0.27%	0	0	0
LDT1		7.93%	0.11%	0	0	0
LDT2		19.54%	0.04%	0	0	0
MDT		19.30%	0.08%	0	0	0
SubTotal		100.0%		0	0	0
LHDT1 (2 axle truck)	6.3%	85.42%	37.31%	0	0	0
LHDT2		14.58%	69.81%	0	0	0
Subtota;		100.0%		0	0	0
MHDT (3 axle truck)	4.7%	100.0%	86.27%	0	0	0
HHDT (4+ axle truck)	12.4%	100.0%	98.96%	0	0	0
Total	100.0%			0	0	0

Vehicle Fleet for Gas Compression

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	75.1%	53.23%	0.27%	0	0	0
LDT1		7.93%	0.11%	0	0	0
LDT2		19.54%	0.04%	0	0	0
MDT		19.30%	0.08%	0	0	0
SubTotal		100.0%		0	0	0
LHDT1 (2 axle truck)	12.5%	85.42%	37.31%	0	0	0
LHDT2		14.58%	69.81%	0	0	0
Subtota;		100.0%		0	0	0
MHDT (3 axle truck)	4.1%	100.0%	86.27%	0	0	0
HHDT (4+ axle truck)	8.3%	100.0%	98.96%	0	0	0
Total	100.0%			0	0	0

Vehicle Fleet for Fueling Station/Convenience Store

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	45.7%	53.23%	0.27%	0	2	2
LDT1		7.93%	0.11%	0	0	0
LDT2		19.54%	0.04%	0	1	1
MDT		19.30%	0.08%	0	1	1
SubTotal		100.0%		0	5	5
LHDT1 (2 axle truck)	2.2%	85.42%	37.31%	0	0	0
LHDT2		14.58%	69.81%	0	0	0
Subtota;		100.0%		0	0	0
MHDT (3 axle truck)	8.7%	100.0%	86.27%	1	0	1
HHDT (4+ axle truck)	43.4%	100.0%	98.96%	4	0	4
Total	100.0%			5	5	10

Vehicle Summary (High Cube + Light Logistics + Gas Compressor + Fueling Station/Convenience Store)

Vehicle Class	Pk Hr Diesel Trips	Pk Hr Non Diesel Trips	Total Pk Hr Trips
LDA	2	828	830
LDT1	0	123	124
LDT2	0	305	305
MDT	0	301	301
LHDT1	47	79	126
LHDT2	15	7	22
MHDT	170	27	197
HHDT	519	5	524
Total	753	1675	2428

Trip Generation from PB 2012 Traffic Study
Vehicle Fleet Mix taken from EMFAC2011 for the SCAQMD in **2012** and the PB 2012 Traffic Study
% Diesel taken from EMAC2011 for the SCAQMD in **2012**

World Logistics Center 2012 Phase 2 Build out in 2012
Diesel Vehicle Emissions CO

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions CO Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/hr)	Pk Hr Emissions (lbs/hr)	Pk Hr Average Emissions (g/sec)	Total Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	LDA	15	0.690	2	950	0.59	9.16E-01	2.02E-03	2.54E-04	
	LDT1	15	1.099	0	950	0.59	8.47E-02	1.87E-04	2.35E-05	
	LDT2	15	0.989	0	950	0.59	7.80E-02	1.72E-04	2.17E-05	
	MDT	15	0.583	0	950	0.59	8.50E-02	1.87E-04	2.36E-05	
	LHDT1	15	1.658	47	950	0.59	4.60E+01	1.01E-01	1.28E-02	
	LHDT2	15	1.583	15	950	0.59	1.40E+01	3.09E-02	3.90E-03	
	MHDT	15	2.536	169	950	0.59	2.53E+02	5.57E-01	7.02E-02	
	HHDT	15	5.081	514	950	0.59	1.54E+03	3.40E+00	4.28E-01	
				748			1.86E+03	4.09E+00	5.16E-01	5.16E-01
Travel at Light Logistics	LDA	15	0.690	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	1.099	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.989	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.583	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	1.658	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	1.583	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	2.536	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	5.081	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Gas Compressor	LDA	15	0.690	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	1.099	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.989	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.583	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	1.658	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	1.583	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	2.536	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	5.081	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
							0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Refueling Station	LDA	15	0.690	0	100	0.06	2.83E-04	6.24E-07	7.87E-08	
	LDT1	15	1.099	0	100	0.06	2.62E-05	5.77E-08	7.28E-09	
	LDT2	15	0.989	0	100	0.06	2.41E-05	5.32E-08	6.70E-09	
	MDT	15	0.583	0	100	0.06	2.63E-05	5.79E-08	7.30E-09	
	LHDT1	15	1.658	0	100	0.06	7.22E-03	1.59E-05	2.01E-06	
	LHDT2	15	1.583	0	100	0.06	2.20E-03	4.85E-06	6.12E-07	
	MHDT	15	2.536	1	100	0.06	1.18E-01	2.60E-04	3.28E-05	
	HHDT	15	5.081	4	100	0.06	1.36E+00	2.99E-03	3.77E-04	
				5			1.48E+00	3.27E-03	4.12E-04	4.12E-04
Total - All Buildings	LDA			2			9.16E-01	2.02E-03	2.54E-04	
	LDT1			0			8.48E-02	1.87E-04	2.35E-05	
	LDT2			0			7.80E-02	1.72E-04	2.17E-05	
	MDT			0			8.50E-02	1.87E-04	2.36E-05	
	LHDT1			47			4.60E+01	1.01E-01	1.28E-02	
	LHDT2			15			1.40E+01	3.09E-02	3.90E-03	
	MHDT			170			2.53E+02	5.57E-01	7.03E-02	
	HHDT			519			1.54E+03	3.40E+00	4.29E-01	
	Total			753			1.86E+03	4.09E+00	5.16E-01	5.16E-01

Diesel truck Idling Emissions **CO Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	**LHDT1**	14.232	15	24	8.36E+01	1.84E-01	2.32E-02	
	LHDT2	13.593	15	8	2.55E+01	5.62E-02	7.08E-03	
	MHDT	29.885	15	84	6.31E+02	1.39E+00	1.75E-01	
	HHDT	41.208	15	257	2.65E+03	5.84E+00	7.36E-01	
				373	3.39E+03	7.47E+00	9.42E-01	9.42E-01
Idle at Light Logistics	**LHDT1**	14.23	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	13.59	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	29.89	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	41.21	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Gas Compressor	**LHDT1**	14.23	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	13.59	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	29.89	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	41.21	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Fueling Station	**LHDT1**	14.23	15	0	1.25E-01	2.75E-04	3.47E-05	
	LHDT2	13.59	15	0	3.80E-02	8.38E-05	1.06E-05	
	MHDT	29.89	15	0	2.80E+00	6.18E-03	7.79E-04	
	HHDT	41.21	15	2	2.21E+01	4.87E-02	6.14E-03	
				3	2.51E+01	5.53E-02	6.97E-03	6.97E-03
TOTAL				375	3.42E+03	7.52E+00	9.49E-01	9.49E-01

World Logistics Center 2012 Phase 2 Build out in 2012
Non-Diesel Vehicle Emissions CO

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions CO Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/day)	Pk Hr Emissions (lbs/day)	Pk Hr Emissions (g/sec)	Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	2.469	825	950	0.59	1.20E+03	2.65E+00	3.34E-01	
	LDT1	15	6.015	123	950	0.59	4.37E+02	9.63E-01	1.21E-01	
	LDT2	15	3.333	304	950	0.59	5.97E+02	1.32E+00	1.66E-01	
	MDT	15	4.018	300	950	0.59	7.11E+02	1.57E+00	1.98E-01	
	LHDT1	15	6.015	79	950	0.59	2.80E+02	6.18E-01	7.79E-02	
	LHDT2	15	4.092	6	950	0.59	1.57E+01	3.45E-02	4.35E-03	
	MHDT	15	15.046	27	950	0.59	2.39E+02	5.26E-01	6.63E-02	
	HHDT	15	64.218	5	950	0.59	2.06E+02	4.53E-01	5.72E-02	
				1670			3.69E+03	8.13E+00	1.02E+00	1.02E+00
Travel at Light Logistics	LDA	15	2.469	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	6.015	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	3.333	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	4.018	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	6.015	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	4.092	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	15.046	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	64.218	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Gas Compressor	LDA	15	2.469	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	6.015	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	3.333	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	4.018	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	6.015	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	4.092	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	15.046	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	64.218	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Fueling Station	LDA	15	2.469	2	100	0.06	3.72E-01	8.19E-04	1.03E-04	
	LDT1	15	6.015	0	100	0.06	1.35E-01	2.98E-04	3.76E-05	
	LDT2	15	3.333	1	100	0.06	1.85E-01	4.07E-04	5.13E-05	
	MDT	15	4.018	1	100	0.06	2.20E-01	4.85E-04	6.11E-05	
	LHDT1	15	6.015	0	100	0.06	4.40E-02	9.70E-05	1.22E-05	
	LHDT2	15	4.092	0	100	0.06	2.46E-03	5.42E-06	6.84E-07	
	MHDT	15	15.046	0	100	0.06	1.12E-01	2.46E-04	3.10E-05	
	HHDT	15	64.218	0	100	0.06	1.81E-01	3.98E-04	5.02E-05	
				5			1.25E+00	2.76E-03	3.48E-04	3.48E-04
Total - All Buildings	LDA			828			1.20E+03	2.65E+00	3.34E-01	
	LDT1			123			4.37E+02	9.63E-01	1.21E-01	
	LDT2			305			5.98E+02	1.32E+00	1.66E-01	
	MDT			301			7.11E+02	1.57E+00	1.98E-01	
	LHDT1			79			2.80E+02	6.18E-01	7.79E-02	
	LHDT2			7			1.57E+01	3.45E-02	4.35E-03	
	MHDT			27			2.39E+02	5.26E-01	6.64E-02	
	HHDT			5			2.06E+02	4.54E-01	5.72E-02	
				1675			3.69E+03	8.13E+00	1.03E+00	1.03E+00

Non-Diesel truck Idling Emissions **CO Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	**LHDT1**	37.483	15	39	3.70E+02	8.15E-01	1.03E-01	
	LHDT2	36.885	15	3	2.99E+01	6.59E-02	8.31E-03	
	MHDT	130.012	15	13	4.37E+02	9.63E-01	1.21E-01	
	HHDT	130.012	15	3	8.83E+01	1.94E-01	2.45E-02	
				59	9.25E+02	2.04E+00	2.57E-01	2.57E-01
Idle at Light Logistics	**LHDT1**	37.48	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	36.88	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	130.01	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	130.01	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Gas Compressor	**LHDT1**	37.48	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	36.88	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	130.01	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	130.01	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Fueling Station	**LHDT1**	37.483	15	0	5.52E-01	1.22E-03	1.53E-04	
	LHDT2	36.885	15	0	4.46E-02	9.83E-05	1.24E-05	
	MHDT	130.012	15	0	1.94E+00	4.28E-03	5.39E-04	
	HHDT	130.012	15	0	7.37E-01	1.62E-03	2.05E-04	
				0	3.27E+00	7.21E-03	9.10E-04	9.10E-04
TOTAL				59	9.29E+02	2.05E+00	2.58E-01	2.58E-01

World Logistics Center **2012** **CO** Based on PB Traffic Results 10/23/2012

Project-Related Emissions NoR

Project Build out in 2012

Internal Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Total Emissions (g/sec)	Weighted Emission Ht (m)
1	1.43E-01	2.35E-01	3.78E-01	2.1
2	2.95E-01	5.06E-01	8.00E-01	2.1
3	2.00E-01	3.60E-01	5.60E-01	2.1
4	7.69E-02	1.91E-01	2.68E-01	1.9
5	9.33E-02	3.37E-01	4.30E-01	1.7
6	2.26E-01	4.46E-01	6.72E-01	2.0
7	2.23E-02	5.93E-02	8.16E-02	1.8
8	1.97E-02	5.03E-01	5.23E-01	1.1
11	1.18E-03	-1.28E-01	-1.27E-01	1.0
12	8.03E-04	1.04E-02	1.12E-02	1.2
14	3.75E-02	1.45E-01	1.83E-01	1.6
15	3.00E-02	3.05E-02	6.05E-02	2.5
18	1.60E-02	4.71E-02	6.30E-02	1.8
18a	3.67E-03	1.81E-02	2.17E-02	1.5
19	8.14E-02	1.41E-01	2.22E-01	2.1
20	5.05E-03	6.80E-02	7.30E-02	1.2
21	7.48E-02	2.26E-01	3.01E-01	1.7
22	7.99E-02	2.95E-01	3.75E-01	1.6
23	3.57E-02	9.26E-02	1.28E-01	1.8
24	4.85E-02	3.25E-01	3.74E-01	1.4
25	2.48E-02	7.56E-02	1.00E-01	1.7
26	2.97E-02	6.73E-02	9.70E-02	1.9
27	1.86E-02	4.32E-02	6.19E-02	1.9
28	4.52E-02	1.13E-01	1.58E-01	1.9
29	3.31E-02	8.69E-03	4.18E-02	3.4
30	1.36E-01	5.95E-02	1.96E-01	3.1
31	1.61E-02	2.62E-02	4.23E-02	2.1
			6.09E+00	g/sec

Weighted emission height derived assuming diesel emssions released at 4 meters and non-diesel emissions at 1 meter

World Logistics Center 2012
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011 @ All Speeds

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	18564554
LDT1-GAS	2769045
LDT2-GAS	6829871
MDT-GAS	6745581
LHDT1-GAS	1119068
LHDT2-GAS	91973
MHDT-GAS	65362
HHDT-GAS	15407
Subtotal	36200862
DSL Vehicle Class	
LDA-DSL	50577
LDT1-DSL	2938
LDT2-DSL	3006
MDT-DSL	5552
LHDT1-DSL	666116
LHDT2-DSL	212631
MHDT-DSL	410652
HHDT-DSL	1459287
Subtotal	2810761
Grand Total	39011623

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	18564554	50577	18615131	53.23%	99.7%	0.27%
LDT1	Pass Car	2769045	2938	2771983	7.93%	99.9%	0.11%
LDT2	Pass Car	6829871	3006	6832877	19.54%	100.0%	0.04%
MDT	Pass Car	6745581	5552	6751134	19.30%	99.9%	0.08%
Subtotal		34909052	62074	34971125	100.00%	99.8%	0.18%
LHDT1	Light Heavy Truck	1119068	666116	1785184	85.42%	62.7%	37.31%
LHDT2	Light Heavy Truck	91973	212631	304605	14.58%	30.2%	69.81%
Subtotal		1211042	878747	2089789			
MHDT	Medium Heavy Truck	65362	410652	476014	100%	13.7%	86.27%
HHDT	Heavy Heavy Truck	15407	1459287	1474694	100%	1.0%	98.96%

World Logistics Center **2012** **CO** **Project Build out in 2012**

Project-Related Emissions
Internal Roadway Circulation

Project Operations: 1 hours/day

Vehicle Fleet Trips - Diesel (% Vehicle Class)

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.14%	0.01%	0.01%	0.02%	31.87%	10.17%	86.27%	98.96%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2_DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)
1	2762.62712	1,637	86	260	780	327	0.203	2	0	0	0	27	9	224	772	1035
2	3139.91525	1,865	144	274	856	614	0.381	3	0	0	0	46	15	237	847	1148
3	1148.22034	694	55	99	300	1181	0.734	1	0	0	0	18	6	86	297	407
4	741.016949	405	113	121	102	934	0.580	1	0	0	0	36	12	104	101	253
5	1066.61017	697	125	143	102	1060	0.658	1	0	0	0	40	13	123	101	278
6	1408.22034	889	58	120	342	1163	0.722	1	0	0	0	18	6	103	338	468
7	381.271186	266	15	29	72	535	0.332	0	0	0	0	5	2	25	71	103
8	1250.33898	1,141	43	67	0	1143	0.710	2	0	0	0	14	4	57	0	77
11	-289.49153	-296	2	4	0	1201	0.746	0	0	0	0	1	0	3	0	4
12	37.2881356	31	3	4	0	824	0.512	0	0	0	0	1	0	3	0	4
14	519.491525	410	14	19	77	897	0.557	1	0	0	0	5	1	16	76	99
15	197.20339	64	46	16	71	734	0.456	0	0	0	0	15	5	14	71	104
18	204.661017	144	12	15	34	780	0.485	0	0	0	0	4	1	13	34	52
18a	87.372881 4	70	3	6	9	648	0.403	0	0	0	0	1	0	5	9	15
19	396.355932	238	16	34	108	1347	0.837	0	0	0	0	5	2	29	107	144
20	185	164	6	11	4	1067	0.663	0	0	0	0	2	1	9	4	16
21	1145.16949	823	42	93	187	664	0.412	1	0	0	0	13	4	80	185	284
22	1362.20339	1,035	46	93	188	704	0.437	1	0	0	0	15	5	80	186	288
23	714.152542	495	26	56	137	448	0.278	1	0	0	0	8	3	48	136	196
24	682.20339	576	18	37	51	1443	0.896	1	0	0	0	6	2	32	50	91
25	954.661017	698	29	67	161	265	0.165	1	0	0	0	9	3	58	159	230
26	573.474576	382	21	45	125	417	0.259	1	0	0	0	7	2	39	124	172
27	440.932203	294	18	36	93	347	0.216	0	0	0	0	6	2	31	92	131
28	269.322034	185	10	21	54	1459	0.906	0	0	0	0	3	1	18	53	76
29	147.288136	4	7	29	108	564	0.350	0	0	0	0	2	1	25	107	135
30	188.135593	31	10	34	114	2174	1.351	0	0	0	0	3	1	29	113	146
31	66.5254237	30	3	23	11	1563	0.971	0	0	0	0	1	0	20	11	32

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors (g/mi)

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.2812	0.4386	0.3954	0.2433	0.9455	0.9031	1.4317	2.8153
2	0.2262	0.3536	0.3187	0.1952	0.5310	0.5072	0.8899	1.9941
3	0.2321	0.3611	0.3255	0.2013	0.6469	0.6179	1.0895	2.2771
4	0.2614	0.4130	0.3719	0.2230	0.5228	0.4994	0.8329	1.9662

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	Total (g/sec)
1	1	3.76E-05	3.41E-06	3.14E-06	3.57E-06	1.46E-03	4.44E-04	1.81E-02	1.23E-01	1.43E-01
2	1	8.04E-05	7.28E-06	6.71E-06	7.63E-06	4.61E-03	1.41E-03	3.59E-02	2.53E-01	2.95E-01
3	1	5.75E-05	5.21E-06	4.81E-06	5.46E-06	3.38E-03	1.03E-03	2.50E-02	1.70E-01	2.00E-01
4	1	2.66E-05	2.41E-06	2.22E-06	2.52E-06	5.50E-03	1.68E-03	2.40E-02	4.57E-02	7.69E-02
5	1	5.18E-05	4.70E-06	4.33E-06	4.92E-06	6.90E-03	2.10E-03	3.23E-02	5.19E-02	9.33E-02
6	1	7.25E-05	6.57E-06	6.06E-06	6.89E-06	3.48E-03	1.06E-03	2.97E-02	1.91E-01	2.26E-01
7	1	9.97E-06	9.03E-07	8.33E-07	9.47E-07	4.15E-04	1.27E-04	3.30E-03	1.85E-02	2.23E-02
8	1	9.15E-05	8.29E-06	7.65E-06	8.69E-06	2.55E-03	7.79E-04	1.62E-02	0.00E+00	1.97E-02
11	1	-2.49E-05	-2.26E-06	-2.08E-06	-2.37E-06	1.48E-04	4.52E-05	1.02E-03	0.00E+00	1.18E-03
12	1	1.77E-06	1.60E-07	1.48E-07	1.68E-07	1.34E-04	4.10E-05	6.25E-04	0.00E+00	8.03E-04
14	1	2.58E-05	2.34E-06	2.16E-06	2.45E-06	6.60E-04	2.01E-04	3.56E-03	3.30E-02	3.75E-02
15	1	3.29E-06	2.98E-07	2.75E-07	3.13E-07	1.75E-03	5.33E-04	2.55E-03	2.51E-02	3.00E-02
18	1	7.86E-06	7.13E-07	6.57E-07	7.47E-07	4.71E-04	1.44E-04	2.52E-03	1.28E-02	1.60E-02
18a	1	3.17E-06	2.87E-07	2.65E-07	3.01E-07	1.06E-04	3.22E-05	8.08E-04	2.72E-03	3.67E-03
19	1	2.25E-05	2.04E-06	1.88E-06	2.14E-06	1.09E-03	3.31E-04	9.73E-03	7.02E-02	8.14E-02
20	1	1.23E-05	1.11E-06	1.03E-06	1.17E-06	3.34E-04	1.02E-04	2.47E-03	2.13E-03	5.05E-03
21	1	3.84E-05	3.48E-06	3.20E-06	3.64E-06	1.46E-03	4.44E-04	1.31E-02	5.97E-02	7.48E-02
22	1	5.11E-05	4.63E-06	4.27E-06	4.86E-06	1.69E-03	5.16E-04	1.39E-02	6.37E-02	7.99E-02
23	1	1.56E-05	1.41E-06	1.30E-06	1.48E-06	6.10E-04	1.86E-04	5.36E-03	2.95E-02	3.57E-02
24	1	5.83E-05	5.28E-06	4.87E-06	5.54E-06	1.39E-03	4.23E-04	1.14E-02	3.53E-02	4.85E-02
25	1	1.30E-05	1.18E-06	1.09E-06	1.23E-06	3.96E-04	1.21E-04	3.77E-03	2.05E-02	2.48E-02
26	1	1.12E-05	1.01E-06	9.34E-07	1.06E-06	4.61E-04	1.41E-04	4.00E-03	2.51E-02	2.97E-02
27	1	7.16E-06	6.48E-07	5.98E-07	6.80E-07	3.27E-04	9.98E-05	2.63E-03	1.56E-02	1.86E-02
28	1	1.89E-05	1.72E-06	1.59E-06	1.80E-06	7.39E-04	2.25E-04	6.48E-03	3.77E-02	4.52E-02
29	1	1.44E-07	1.31E-08	1.21E-08	1.37E-08	1.96E-04	5.99E-05	3.44E-03	2.94E-02	3.31E-02
30	1	4.72E-06	4.28E-07	3.94E-07	4.48E-07	1.09E-03	3.33E-04	1.55E-02	1.19E-01	1.36E-01
31	1	3.25E-06	2.95E-07	2.72E-07	3.09E-07	2.62E-04	7.98E-05	7.57E-03	8.21E-03	1.61E-02

World Logistics Center **2012** **CO** **Project Build out in 2012**

Project-Related Emissions
Internal Roadway Circulation

Project Operations: 1 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
53.09%	7.92%	19.53%	19.29%	53.55%	4.40%	13.73%	1.04%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2 GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	2762.62712	1,637	86	260	780	327	0.203	869	130	320	316	46	4	36	8	1728
2	3139.91525	1,865	144	274	856	614	0.381	990	148	364	360	77	6	38	9	1992
3	1148.22034	694	55	99	300	1181	0.734	368	55	136	134	29	2	14	3	741
4	741.016949	405	113	121	102	934	0.580	215	32	79	78	61	5	17	1	488
5	1066.61017	697	125	143	102	1060	0.658	370	55	136	134	67	6	20	1	789
6	1408.22034	889	58	120	342	1163	0.722	472	70	174	171	31	3	16	4	941
7	381.271186	266	15	29	72	535	0.332	141	21	52	51	8	1	4	1	278
8	1250.33898	1,141	43	67	0	1143	0.710	606	90	223	220	23	2	9	0	1173
11	-289.49153	-296	2	4	0	1201	0.746	-157	-23	-58	-57	1	0	1	0	-293
12	37.2881356	31	3	4	0	824	0.512	16	2	6	6	2	0	0	0	33
14	519.491525	410	14	19	77	897	0.557	218	32	80	79	8	1	3	1	421
15	197.20339	64	46	16	71	734	0.456	34	5	12	12	25	2	2	1	93
18	204.661017	144	12	15	34	780	0.485	76	11	28	28	6	1	2	0	153
18a	87.3728814	70	3	6	9	648	0.403	37	6	14	13	2	0	1	0	72
19	396.355932	238	16	34	108	1347	0.837	127	19	47	46	8	1	5	1	253
20	185	164	6	11	4	1067	0.663	87	13	32	32	3	0	1	0	169
21	1145.16949	823	42	93	187	664	0.412	437	65	161	159	23	2	13	2	861
22	1362.20339	1,035	46	93	188	704	0.437	549	82	202	200	25	2	13	2	1075
23	714.152542	495	26	56	137	448	0.278	263	39	97	95	14	1	8	1	518
24	682.20339	576	18	37	51	1443	0.896	306	46	112	111	10	1	5	1	591
25	954.661017	698	29	67	161	265	0.165	371	55	136	135	15	1	9	2	724
26	573.474576	382	21	45	125	417	0.259	203	30	75	74	11	1	6	1	401
27	440.932203	294	18	36	93	347	0.216	156	23	57	57	10	1	5	1	310
28	269.322034	185	10	21	54	1459	0.906	98	15	36	36	5	0	3	1	194
29	147.288136	4	7	29	108	564	0.350	2	0	1	1	4	0	4	1	13
30	188.135593	31	10	34	114	2174	1.351	16	2	6	6	5	0	5	1	42
31	66.5254237	30	3	23	11	1563	0.971	16	2	6	6	2	0	3	0	35
	19780.1695															

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	1.6252	3.8244	2.2214	2.6926	2.2820	2.2580	8.3018	35.4087
2	1.3612	3.2558	1.8078	2.1763	1.3430	1.4171	5.2114	22.2501
3	1.4298	3.3740	1.9382	2.3447	1.5691	1.5517	5.7049	24.3425
4	1.4073	3.4629	1.7894	2.1248	1.4356	1.4171	5.2114	22.2501

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	7.97E-02	2.80E-02	4.01E-02	4.80E-02	5.90E-03	4.80E-04	1.67E-02	1.63E-02	2.35E-01
2	1	1.70E-01	5.98E-02	8.57E-02	1.03E-01	1.87E-02	1.52E-03	3.31E-02	3.36E-02	5.06E-01
3	1	1.22E-01	4.28E-02	6.13E-02	7.34E-02	1.37E-02	1.11E-03	2.31E-02	2.26E-02	3.60E-01
4	1	5.64E-02	1.98E-02	2.83E-02	3.39E-02	2.23E-02	1.81E-03	2.21E-02	6.07E-03	1.91E-01
5	1	1.10E-01	3.86E-02	5.53E-02	6.62E-02	2.80E-02	2.28E-03	2.98E-02	6.89E-03	3.37E-01
6	1	1.54E-01	5.40E-02	7.74E-02	9.26E-02	1.41E-02	1.15E-03	2.74E-02	2.54E-02	4.46E-01
7	1	2.11E-02	7.42E-03	1.06E-02	1.27E-02	1.68E-03	1.37E-04	3.05E-03	2.45E-03	5.93E-02
8	1	1.94E-01	6.81E-02	9.76E-02	1.17E-01	1.04E-02	8.42E-04	1.50E-02	0.00E+00	5.03E-01
11	1	-5.29E-02	-1.86E-02	-2.66E-02	-3.18E-02	6.01E-04	4.89E-05	9.41E-04	0.00E+00	-1.28E-01
12	1	3.75E-03	1.32E-03	1.89E-03	2.26E-03	5.45E-04	4.43E-05	5.77E-04	0.00E+00	1.04E-02
14	1	5.48E-02	1.92E-02	2.75E-02	3.30E-02	2.68E-03	2.18E-04	3.29E-03	4.39E-03	1.45E-01
15	1	6.98E-03	2.45E-03	3.51E-03	4.20E-03	7.08E-03	5.76E-04	2.35E-03	3.34E-03	3.05E-02
18	1	1.67E-02	5.85E-03	8.39E-03	1.00E-02	1.91E-03	1.55E-04	2.33E-03	1.70E-03	4.71E-02
18a	1	6.72E-03	2.36E-03	3.38E-03	4.05E-03	4.28E-04	3.48E-05	7.45E-04	3.61E-04	1.81E-02
19	1	4.78E-02	1.68E-02	2.40E-02	2.88E-02	4.40E-03	3.58E-04	8.98E-03	9.33E-03	1.41E-01
20	1	2.60E-02	9.14E-03	1.31E-02	1.57E-02	1.35E-03	1.10E-04	2.28E-03	2.83E-04	6.80E-02
21	1	8.14E-02	2.86E-02	4.09E-02	4.90E-02	5.91E-03	4.81E-04	1.21E-02	7.93E-03	2.26E-01
22	1	1.08E-01	3.81E-02	5.45E-02	6.53E-02	6.86E-03	5.58E-04	1.29E-02	8.45E-03	2.95E-01
23	1	3.30E-02	1.16E-02	1.66E-02	1.99E-02	2.47E-03	2.01E-04	4.95E-03	3.92E-03	9.26E-02
24	1	1.24E-01	4.34E-02	6.22E-02	7.45E-02	5.62E-03	4.57E-04	1.05E-02	4.68E-03	3.25E-01
25	1	2.75E-02	9.67E-03	1.39E-02	1.66E-02	1.61E-03	1.31E-04	3.48E-03	2.72E-03	7.56E-02
26	1	2.37E-02	8.33E-03	1.19E-02	1.43E-02	1.87E-03	1.52E-04	3.69E-03	3.33E-03	6.73E-02
27	1	1.52E-02	5.33E-03	7.63E-03	9.14E-03	1.33E-03	1.08E-04	2.43E-03	2.07E-03	4.32E-02
28	1	4.02E-02	1.41E-02	2.02E-02	2.42E-02	3.00E-03	2.44E-04	5.98E-03	5.00E-03	1.13E-01
29	1	3.06E-04	1.07E-04	1.54E-04	1.84E-04	7.96E-04	6.48E-05	3.18E-03	3.90E-03	8.69E-03
30	1	1.00E-02	3.51E-03	5.03E-03	6.03E-03	4.43E-03	3.60E-04	1.44E-02	1.58E-02	5.95E-02
31	1	6.90E-03	2.42E-03	3.47E-03	4.15E-03	1.06E-03	8.63E-05	6.98E-03	1.09E-03	2.62E-02

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** Lakes Environmental AERMOD MPI
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**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 8.0.7
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 12/2/2012
** FILE: C:\MBA\HIGHLAND FAIRVIEW REV3 - ALL SOURCES\AERMOD-2012\AERMOD_LDT_CO_2012_NR\AERMOD_LDT_CO_2012_NR.ADI
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** AERMOD CONTROL PATHWAY
****************************************
**
**
CO STARTING
   TITLEONE WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)
   TITLETWO CO - LST ASSESSMENT (NO REFRIGERATION)
   MODELOPT CONC  FASTALL
   AVERTIME 1 8
   URBANOPT 2000000
   POLLUTID CO
   RUNORNOT RUN
   ERRORFIL AERMOD_LDT_CO_2012_NR.ERR
CO FINISHED
**
****************************************
** AERMOD SOURCE PATHWAY
****************************************
**
**
SO STARTING
** SOURCE LOCATION **
** SOURCE ID - TYPE - X COORD. - Y COORD. **
   LOCATION PHASE1       AREAPOLY   485577.456  3755020.364      527.630
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT01
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 32.92
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.379
** ELEVATED
** VERTICAL DIMENSION = 2.10
** SZINIT = 0.49
** NODES = 2
** 487123.57, 3755422.68, 541.00, 2.10, 27.35
** 487123.57, 3755095.72, 532.00, 2.10, 27.35
** ---------------------------------------------------------------------
   LOCATION L0113333     VOLUME   487123.570 3755406.219 539.96
   LOCATION L0113334     VOLUME   487123.570 3755347.411 542.85
   LOCATION L0113335     VOLUME   487123.570 3755288.602 541.77
   LOCATION L0113336     VOLUME   487123.570 3755229.793 539.11
   LOCATION L0113337     VOLUME   487123.570 3755170.984 535.08
   LOCATION L0113338     VOLUME   487123.570 3755112.176 532.22
** END OF LINE VOLUME SOURCE ID = SEGMENT01
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT02
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 32.92
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.8
** ELEVATED
** VERTICAL DIMENSION = 2.10
** SZINIT = 0.49
** NODES = 2
** 487126.15, 3755058.81, 532.00, 2.10, 30.03
** 487128.77, 3754444.85, 508.00, 2.10, 30.03
** ---------------------------------------------------------------------
   LOCATION L0113339     VOLUME   487126.220 3755042.351 529.66
   LOCATION L0113340     VOLUME   487126.496 3754977.791 531.78
   LOCATION L0113341     VOLUME   487126.772 3754913.230 524.89
   LOCATION L0113342     VOLUME   487127.048 3754848.670 523.19
   LOCATION L0113343     VOLUME   487127.324 3754784.110 524.09
   LOCATION L0113344     VOLUME   487127.600 3754719.550 520.92
   LOCATION L0113345     VOLUME   487127.876 3754654.990 516.31
   LOCATION L0113346     VOLUME   487128.151 3754590.429 514.39
   LOCATION L0113347     VOLUME   487128.427 3754525.869 509.08
   LOCATION L0113348     VOLUME   487128.703 3754461.309 506.75
** END OF LINE VOLUME SOURCE ID = SEGMENT02
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT03
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.56
** ELEVATED
** VERTICAL DIMENSION = 2.10
** SZINIT = 0.49
** NODES = 4
** 487123.53, 3754444.85, 511.00, 2.10, 18.01
** 486186.84, 3754452.72, 516.00, 2.10, 18.01
** 486042.53, 3754366.14, 509.00, 2.10, 18.01
** 486008.42, 3754297.92, 511.00, 2.10, 18.01
** ---------------------------------------------------------------------
   LOCATION L0113349     VOLUME   487113.771 3754444.931 507.75
   LOCATION L0113350     VOLUME   487075.047 3754445.256 511.34
   LOCATION L0113351     VOLUME   487036.323 3754445.582 512.10
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   LOCATION L0113352     VOLUME   486997.599 3754445.907 512.15
   LOCATION L0113353     VOLUME   486958.875 3754446.233 513.24
   LOCATION L0113354     VOLUME   486920.150 3754446.558 514.00
   LOCATION L0113355     VOLUME   486881.426 3754446.884 514.76
   LOCATION L0113356     VOLUME   486842.702 3754447.209 515.93
   LOCATION L0113357     VOLUME   486803.978 3754447.534 515.40
   LOCATION L0113358     VOLUME   486765.253 3754447.860 516.13
   LOCATION L0113359     VOLUME   486726.529 3754448.185 515.70
   LOCATION L0113360     VOLUME   486687.805 3754448.511 514.26
   LOCATION L0113361     VOLUME   486649.081 3754448.836 514.26
   LOCATION L0113362     VOLUME   486610.357 3754449.161 514.89
   LOCATION L0113363     VOLUME   486571.632 3754449.487 515.30
   LOCATION L0113364     VOLUME   486532.908 3754449.812 514.65
   LOCATION L0113365     VOLUME   486494.184 3754450.138 515.02
   LOCATION L0113366     VOLUME   486455.460 3754450.463 514.53
   LOCATION L0113367     VOLUME   486416.735 3754450.788 513.36
   LOCATION L0113368     VOLUME   486378.011 3754451.114 513.37
   LOCATION L0113369     VOLUME   486339.287 3754451.439 514.07
   LOCATION L0113370     VOLUME   486300.563 3754451.765 514.99
   LOCATION L0113371     VOLUME   486261.839 3754452.090 516.27
   LOCATION L0113372     VOLUME   486223.114 3754452.416 516.77
   LOCATION L0113373     VOLUME   486184.739 3754451.459 514.93
   LOCATION L0113374     VOLUME   486151.532 3754431.535 512.54
   LOCATION L0113375     VOLUME   486118.325 3754411.611 510.16
   LOCATION L0113376     VOLUME   486085.119 3754391.687 509.33
   LOCATION L0113377     VOLUME   486051.912 3754371.763 509.00
   LOCATION L0113378     VOLUME   486030.106 3754341.280 509.29
   LOCATION L0113379     VOLUME   486012.788 3754306.643 509.94
** END OF LINE VOLUME SOURCE ID = SEGMENT03
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT04
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.268
** ELEVATED
** VERTICAL DIMENSION = 1.20
** SZINIT = 0.28
** NODES = 3
** 486005.80, 3754303.17, 511.00, 1.20, 17.72
** 485997.93, 3753510.79, 496.00, 1.20, 17.72
** 486071.40, 3753390.09, 494.00, 1.20, 17.72
** ----------------------------------------------------------------------
   LOCATION L0113380     VOLUME   486005.704 3754293.411 510.63
   LOCATION L0113381     VOLUME   486005.326 3754255.321 509.54
   LOCATION L0113382     VOLUME   486004.948 3754217.231 507.64
   LOCATION L0113383     VOLUME   486004.569 3754179.142 507.85
   LOCATION L0113384     VOLUME   486004.191 3754141.052 508.00
   LOCATION L0113385     VOLUME   486003.812 3754102.962 506.84
   LOCATION L0113386     VOLUME   486003.434 3754064.872 506.32
   LOCATION L0113387     VOLUME   486003.056 3754026.782 505.20
   LOCATION L0113388     VOLUME   486002.677 3753988.692 504.96
   LOCATION L0113389     VOLUME   486002.299 3753950.603 504.05
   LOCATION L0113390     VOLUME   486001.921 3753912.513 503.42
   LOCATION L0113391     VOLUME   486001.542 3753874.423 502.15
   LOCATION L0113392     VOLUME   486001.164 3753836.333 500.88
   LOCATION L0113393     VOLUME   486000.785 3753798.243 499.60
   LOCATION L0113394     VOLUME   486000.407 3753760.153 499.65
   LOCATION L0113395     VOLUME   486000.029 3753722.064 501.86
   LOCATION L0113396     VOLUME   485999.650 3753683.974 501.59
   LOCATION L0113397     VOLUME   485999.272 3753645.884 499.01
   LOCATION L0113398     VOLUME   485998.894 3753607.794 496.47
   LOCATION L0113399     VOLUME   485998.515 3753569.704 495.96
   LOCATION L0113400     VOLUME   485998.137 3753531.614 496.53
   LOCATION L0113401     VOLUME   486006.906 3753496.041 495.32
   LOCATION L0113402     VOLUME   486026.712 3753463.503 492.84
   LOCATION L0113403     VOLUME   486046.518 3753430.965 491.43
   LOCATION L0113404     VOLUME   486066.323 3753398.427 492.30
** END OF LINE VOLUME SOURCE ID = SEGMENT04
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT05
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.43
** ELEVATED
** VERTICAL DIMENSION = 1.10
** SZINIT = 0.26
** NODES = 4
** 486071.40, 3753390.09, 494.00, 1.10, 24.05
** 486147.48, 3753361.23, 495.00, 1.10, 24.05
** 486743.08, 3753353.36, 496.00, 1.10, 24.05
** 487118.28, 3753274.65, 490.00, 1.10, 24.05
** ----------------------------------------------------------------------
   LOCATION L0113405     VOLUME   486083.649 3753385.447 493.58
   LOCATION L0113406     VOLUME   486131.996 3753367.108 494.67
   LOCATION L0113407     VOLUME   486182.626 3753360.769 493.89
   LOCATION L0113408     VOLUME   486234.330 3753360.085 492.19
   LOCATION L0113409     VOLUME   486286.035 3753359.402 493.50
   LOCATION L0113410     VOLUME   486337.740 3753358.719 493.96
   LOCATION L0113411     VOLUME   486389.444 3753358.035 493.93
   LOCATION L0113412     VOLUME   486441.149 3753357.352 497.53
   LOCATION L0113413     VOLUME   486492.853 3753356.669 495.62
   LOCATION L0113414     VOLUME   486544.558 3753355.985 494.85
   LOCATION L0113415     VOLUME   486596.263 3753355.302 494.14
   LOCATION L0113416     VOLUME   486647.967 3753354.619 495.00
   LOCATION L0113417     VOLUME   486699.672 3753353.936 494.60
   LOCATION L0113418     VOLUME   486751.201 3753351.658 494.71
   LOCATION L0113419     VOLUME   486801.808 3753341.041 492.74
   LOCATION L0113420     VOLUME   486852.415 3753330.424 491.02
   LOCATION L0113421     VOLUME   486903.023 3753319.807 491.73
   LOCATION L0113422     VOLUME   486953.630 3753309.190 491.37
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   LOCATION L0113423     VOLUME   487004.238 3753298.573 491.98
   LOCATION L0113424     VOLUME   487054.845 3753287.956 490.84
   LOCATION L0113425     VOLUME   487105.453 3753277.340 489.15
** END OF LINE VOLUME SOURCE ID = SEGMENT05
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT06
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 32.92
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.672
** ELEVATED
** VERTICAL DIMENSION = 2.00
** SZINIT = 0.47
** NODES = 2
** 487123.53, 3754450.10, 512.00, 2.00, 29.19
** 487105.16, 3753287.77, 490.00, 2.00, 29.19
** ---------------------------------------------------------------------
   LOCATION L0113426     VOLUME   487123.266 3754433.639 507.42
   LOCATION L0113427     VOLUME   487122.275 3754370.893 509.59
   LOCATION L0113428     VOLUME   487121.283 3754308.148 508.25
   LOCATION L0113429     VOLUME   487120.292 3754245.403 509.81
   LOCATION L0113430     VOLUME   487119.300 3754182.658 507.25
   LOCATION L0113431     VOLUME   487118.309 3754119.913 505.05
   LOCATION L0113432     VOLUME   487117.317 3754057.168 504.76
   LOCATION L0113433     VOLUME   487116.326 3753994.422 501.94
   LOCATION L0113434     VOLUME   487115.334 3753931.677 501.00
   LOCATION L0113435     VOLUME   487114.343 3753868.932 500.96
   LOCATION L0113436     VOLUME   487113.351 3753806.187 496.87
   LOCATION L0113437     VOLUME   487112.360 3753743.442 499.16
   LOCATION L0113438     VOLUME   487111.369 3753680.697 498.68
   LOCATION L0113439     VOLUME   487110.377 3753617.951 497.59
   LOCATION L0113440     VOLUME   487109.386 3753555.206 495.99
   LOCATION L0113441     VOLUME   487108.394 3753492.461 495.96
   LOCATION L0113442     VOLUME   487107.403 3753429.716 494.65
   LOCATION L0113443     VOLUME   487106.411 3753366.971 489.26
   LOCATION L0113444     VOLUME   487105.420 3753304.226 489.13
** END OF LINE VOLUME SOURCE ID = SEGMENT06
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT07
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 32.92
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0816
** ELEVATED
** VERTICAL DIMENSION = 1.80
** SZINIT = 0.42
** NODES = 2
** 487102.54, 3753300.89, 489.00, 1.80, 29.21
** 487105.16, 3752765.64, 483.00, 1.80, 29.21
** ---------------------------------------------------------------------
   LOCATION L0113445     VOLUME   487102.617 3753284.427 489.25
   LOCATION L0113446     VOLUME   487102.924 3753221.636 489.56
   LOCATION L0113447     VOLUME   487103.232 3753158.844 486.75
   LOCATION L0113448     VOLUME   487103.540 3753096.053 485.78
   LOCATION L0113449     VOLUME   487103.848 3753033.262 484.98
   LOCATION L0113450     VOLUME   487104.156 3752970.471 486.98
   LOCATION L0113451     VOLUME   487104.463 3752907.680 484.85
   LOCATION L0113452     VOLUME   487104.771 3752844.889 483.17
   LOCATION L0113453     VOLUME   487105.079 3752782.098 483.74
** END OF LINE VOLUME SOURCE ID = SEGMENT07
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT08
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.523
** ELEVATED
** VERTICAL DIMENSION = 1.10
** SZINIT = 0.26
** NODES = 3
** 486074.02, 3753392.72, 494.00, 1.10, 18.01
** 485979.56, 3753190.69, 490.00, 1.10, 18.01
** 485959.38, 3752271.31, 509.00, 1.10, 18.01
** ---------------------------------------------------------------------
   LOCATION L0113454     VOLUME   486069.888 3753383.881 492.66
   LOCATION L0113455     VOLUME   486053.485 3753348.798 491.27
   LOCATION L0113456     VOLUME   486037.083 3753313.715 490.52
   LOCATION L0113457     VOLUME   486020.680 3753278.632 490.29
   LOCATION L0113458     VOLUME   486004.278 3753243.549 490.00
   LOCATION L0113459     VOLUME   485987.875 3753208.466 489.60
   LOCATION L0113460     VOLUME   485979.144 3753171.590 489.02
   LOCATION L0113461     VOLUME   485978.294 3753132.871 488.12
   LOCATION L0113462     VOLUME   485977.445 3753094.153 488.21
   LOCATION L0113463     VOLUME   485976.595 3753055.434 489.37
   LOCATION L0113464     VOLUME   485975.745 3753016.715 490.11
   LOCATION L0113465     VOLUME   485974.895 3752977.997 490.00
   LOCATION L0113466     VOLUME   485974.045 3752939.278 489.00
   LOCATION L0113467     VOLUME   485973.195 3752900.559 489.00
   LOCATION L0113468     VOLUME   485972.345 3752861.841 489.00
   LOCATION L0113469     VOLUME   485971.495 3752823.122 489.00
   LOCATION L0113470     VOLUME   485970.646 3752784.403 488.77
   LOCATION L0113471     VOLUME   485969.796 3752745.684 487.04
   LOCATION L0113472     VOLUME   485968.946 3752706.966 485.22
   LOCATION L0113473     VOLUME   485968.096 3752668.247 486.17
   LOCATION L0113474     VOLUME   485967.246 3752629.528 488.82
   LOCATION L0113475     VOLUME   485966.396 3752590.810 490.12
   LOCATION L0113476     VOLUME   485965.546 3752552.091 495.23
   LOCATION L0113477     VOLUME   485964.696 3752513.372 496.37
   LOCATION L0113478     VOLUME   485963.846 3752474.654 496.10
   LOCATION L0113479     VOLUME   485962.997 3752435.935 496.42
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   LOCATION L0113480     VOLUME   485962.147 3752397.216 498.83
   LOCATION L0113481     VOLUME   485961.297 3752358.498 500.09
   LOCATION L0113482     VOLUME   485960.447 3752319.779 500.68
   LOCATION L0113483     VOLUME   485959.597 3752281.060 501.95
** END OF LINE VOLUME SOURCE ID = SEGMENT08
** ------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT11
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = -0.128
** ELEVATED
** VERTICAL DIMENSION = 1.00
** SZINIT = 0.23
** NODES = 2
** 485510.85, 3754275.79, 515.00, 1.00, 15.74
** 485509.55, 3753074.46, 494.00, 1.00, 15.74
** ------------------------------------------------------------------
   LOCATION L0112769     VOLUME   485510.839 3754267.258 514.24
   LOCATION L0112770     VOLUME   485510.802 3754233.422 512.23
   LOCATION L0112771     VOLUME   485510.765 3754199.586 512.08
   LOCATION L0112772     VOLUME   485510.729 3754165.750 512.69
   LOCATION L0112773     VOLUME   485510.692 3754131.914 512.23
   LOCATION L0112774     VOLUME   485510.655 3754098.078 510.48
   LOCATION L0112775     VOLUME   485510.619 3754064.242 508.44
   LOCATION L0112776     VOLUME   485510.582 3754030.406 506.46
   LOCATION L0112777     VOLUME   485510.545 3753996.570 505.47
   LOCATION L0112778     VOLUME   485510.509 3753962.734 505.32
   LOCATION L0112779     VOLUME   485510.472 3753928.898 504.26
   LOCATION L0112780     VOLUME   485510.436 3753895.062 502.47
   LOCATION L0112781     VOLUME   485510.399 3753861.226 501.84
   LOCATION L0112782     VOLUME   485510.362 3753827.390 501.90
   LOCATION L0112783     VOLUME   485510.326 3753793.554 502.24
   LOCATION L0112784     VOLUME   485510.289 3753759.718 504.35
   LOCATION L0112785     VOLUME   485510.252 3753725.882 505.00
   LOCATION L0112786     VOLUME   485510.216 3753692.046 505.00
   LOCATION L0112787     VOLUME   485510.179 3753658.210 502.55
   LOCATION L0112788     VOLUME   485510.142 3753624.374 500.42
   LOCATION L0112789     VOLUME   485510.106 3753590.538 499.43
   LOCATION L0112790     VOLUME   485510.069 3753556.702 499.96
   LOCATION L0112791     VOLUME   485510.032 3753522.866 499.76
   LOCATION L0112792     VOLUME   485509.996 3753489.030 498.40
   LOCATION L0112793     VOLUME   485509.959 3753455.194 498.00
   LOCATION L0112794     VOLUME   485509.922 3753421.357 498.00
   LOCATION L0112795     VOLUME   485509.886 3753387.521 497.31
   LOCATION L0112796     VOLUME   485509.849 3753353.685 496.79
   LOCATION L0112797     VOLUME   485509.812 3753319.849 495.55
   LOCATION L0112798     VOLUME   485509.776 3753286.013 494.19
   LOCATION L0112799     VOLUME   485509.739 3753252.177 493.86
   LOCATION L0112800     VOLUME   485509.702 3753218.341 494.72
   LOCATION L0112801     VOLUME   485509.666 3753184.505 494.15
   LOCATION L0112802     VOLUME   485509.629 3753150.669 491.74
   LOCATION L0112803     VOLUME   485509.592 3753116.833 490.76
   LOCATION L0112804     VOLUME   485509.556 3753082.997 491.58
** END OF LINE VOLUME SOURCE ID = SEGMENT11
** ------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT12
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.013
** ELEVATED
** VERTICAL DIMENSION = 1.10
** SZINIT = 0.26
** NODES = 2
** 485533.45, 3755091.71, 532.00, 1.10, 15.63
** 485515.75, 3754268.39, 515.00, 1.10, 15.63
** ------------------------------------------------------------------
   LOCATION L0113484     VOLUME   485533.265 3755083.180 531.19
   LOCATION L0113485     VOLUME   485532.543 3755049.586 528.80
   LOCATION L0113486     VOLUME   485531.821 3755015.992 528.21
   LOCATION L0113487     VOLUME   485531.099 3754982.399 528.02
   LOCATION L0113488     VOLUME   485530.377 3754948.805 526.65
   LOCATION L0113489     VOLUME   485529.654 3754915.211 525.38
   LOCATION L0113490     VOLUME   485528.932 3754881.617 522.89
   LOCATION L0113491     VOLUME   485528.210 3754848.023 520.45
   LOCATION L0113492     VOLUME   485527.488 3754814.429 523.22
   LOCATION L0113493     VOLUME   485526.766 3754780.835 526.04
   LOCATION L0113494     VOLUME   485526.044 3754747.241 526.70
   LOCATION L0113495     VOLUME   485525.321 3754713.647 524.19
   LOCATION L0113496     VOLUME   485524.599 3754680.053 521.85
   LOCATION L0113497     VOLUME   485523.877 3754646.460 521.76
   LOCATION L0113498     VOLUME   485523.155 3754612.866 522.11
   LOCATION L0113499     VOLUME   485522.433 3754579.272 522.18
   LOCATION L0113500     VOLUME   485521.711 3754545.678 519.09
   LOCATION L0113501     VOLUME   485520.988 3754512.084 515.25
   LOCATION L0113502     VOLUME   485520.266 3754478.490 514.73
   LOCATION L0113503     VOLUME   485519.544 3754444.896 516.68
   LOCATION L0113504     VOLUME   485518.822 3754411.302 517.04
   LOCATION L0113505     VOLUME   485518.100 3754377.708 515.99
   LOCATION L0113506     VOLUME   485517.378 3754344.114 515.07
   LOCATION L0113507     VOLUME   485516.655 3754310.520 515.00
   LOCATION L0113508     VOLUME   485515.933 3754276.927 514.56
** END OF LINE VOLUME SOURCE ID = SEGMENT12
** ------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT14
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.183
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** ELEVATED
** VERTICAL DIMENSION = 1.80
** SZINIT = 0.42
** NODES = 2
** 485503.72, 3755054.30, 532.00, 1.80, 23.83
** 486400.84, 3755050.67, 532.00, 1.80, 23.83
** ----------------------------------------------------------------------
   LOCATION L0113509     VOLUME   485516.820 3755054.250 529.90
   LOCATION L0113510     VOLUME   485568.051 3755054.043 528.58
   LOCATION L0113511     VOLUME   485619.281 3755053.835 530.77
   LOCATION L0113512     VOLUME   485670.512 3755053.628 532.50
   LOCATION L0113513     VOLUME   485721.742 3755053.421 534.25
   LOCATION L0113514     VOLUME   485772.972 3755053.213 531.14
   LOCATION L0113515     VOLUME   485824.203 3755053.006 529.49
   LOCATION L0113516     VOLUME   485875.433 3755052.798 529.85
   LOCATION L0113517     VOLUME   485926.663 3755052.591 530.93
   LOCATION L0113518     VOLUME   485977.894 3755052.384 529.69
   LOCATION L0113519     VOLUME   486029.124 3755052.176 529.39
   LOCATION L0113520     VOLUME   486080.355 3755051.969 529.54
   LOCATION L0113521     VOLUME   486131.585 3755051.761 529.54
   LOCATION L0113522     VOLUME   486182.815 3755051.554 530.26
   LOCATION L0113523     VOLUME   486234.046 3755051.346 527.40
   LOCATION L0113524     VOLUME   486285.276 3755051.139 527.00
   LOCATION L0113525     VOLUME   486336.506 3755050.932 526.50
   LOCATION L0113526     VOLUME   486387.737 3755050.724 527.33
** END OF LINE VOLUME SOURCE ID = SEGMENT14
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT15
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0623
** ELEVATED
** VERTICAL DIMENSION = 1.90
** SZINIT = 0.44
** NODES = 2
** 486385.45, 3755051.87, 530.00, 1.90, 23.51
** 487119.32, 3755045.18, 533.00, 1.90, 23.51
** ----------------------------------------------------------------------
   LOCATION L0113527     VOLUME   486398.558 3755051.755 528.14
   LOCATION L0113528     VOLUME   486449.105 3755051.294 531.34
   LOCATION L0113529     VOLUME   486499.652 3755050.833 529.71
   LOCATION L0113530     VOLUME   486550.198 3755050.372 528.00
   LOCATION L0113531     VOLUME   486600.745 3755049.911 527.01
   LOCATION L0113532     VOLUME   486651.292 3755049.450 527.31
   LOCATION L0113533     VOLUME   486701.838 3755048.989 529.15
   LOCATION L0113534     VOLUME   486752.385 3755048.528 530.26
   LOCATION L0113535     VOLUME   486802.931 3755048.067 529.24
   LOCATION L0113536     VOLUME   486853.478 3755047.607 526.51
   LOCATION L0113537     VOLUME   486904.025 3755047.146 529.44
   LOCATION L0113538     VOLUME   486954.571 3755046.685 527.58
   LOCATION L0113539     VOLUME   487005.118 3755046.224 526.31
   LOCATION L0113540     VOLUME   487055.665 3755045.763 527.00
   LOCATION L0113541     VOLUME   487106.211 3755045.302 527.92
** END OF LINE VOLUME SOURCE ID = SEGMENT15
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT18
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.063
** ELEVATED
** VERTICAL DIMENSION = 1.90
** SZINIT = 0.44
** NODES = 5
** 487138.06, 3755042.91, 533.00, 1.90, 23.38
** 487300.89, 3755033.99, 529.00, 1.90, 23.38
** 487535.10, 3754996.07, 529.00, 1.90, 23.38
** 487711.32, 3755000.53, 525.00, 1.90, 23.38
** 487907.61, 3754947.00, 526.00, 1.90, 23.38
** ----------------------------------------------------------------------
   LOCATION L0113542     VOLUME   487151.146 3755042.194 530.63
   LOCATION L0113543     VOLUME   487201.328 3755039.444 528.00
   LOCATION L0113544     VOLUME   487251.510 3755036.694 528.53
   LOCATION L0113545     VOLUME   487301.683 3755033.861 528.59
   LOCATION L0113546     VOLUME   487351.295 3755025.828 526.03
   LOCATION L0113547     VOLUME   487400.906 3755017.796 524.56
   LOCATION L0113548     VOLUME   487450.518 3755009.764 524.36
   LOCATION L0113549     VOLUME   487500.129 3755001.731 526.00
   LOCATION L0113550     VOLUME   487549.926 3754996.444 528.33
   LOCATION L0113551     VOLUME   487600.167 3754997.716 529.25
   LOCATION L0113552     VOLUME   487650.409 3754998.988 526.24
   LOCATION L0113553     VOLUME   487700.650 3755000.260 522.97
   LOCATION L0113554     VOLUME   487749.509 3754990.115 522.29
   LOCATION L0113555     VOLUME   487797.996 3754976.891 523.27
   LOCATION L0113556     VOLUME   487846.482 3754963.667 524.09
   LOCATION L0113557     VOLUME   487894.969 3754950.444 525.82
** END OF LINE VOLUME SOURCE ID = SEGMENT18
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT18A
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0217
** ELEVATED
** VERTICAL DIMENSION = 1.70
** SZINIT = 0.40
** NODES = 5
** 487908.51, 3754945.43, 526.00, 1.70, 24.10
** 488040.12, 3754869.59, 520.00, 1.70, 24.10
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** 488173.95, 3754769.21, 522.00, 1.70, 24.10
** 488301.10, 3754733.52, 523.00, 1.70, 24.10
** 488497.39, 3754720.14, 526.00, 1.70, 24.10
** ---------------------------------------------------------------------
   LOCATION L0113558     VOLUME   487919.867 3754938.887 524.63
   LOCATION L0113559     VOLUME   487964.761 3754913.016 521.91
   LOCATION L0113560     VOLUME   488009.655 3754887.144 519.81
   LOCATION L0113561     VOLUME   488053.443 3754859.596 519.44
   LOCATION L0113562     VOLUME   488094.895 3754828.507 519.17
   LOCATION L0113563     VOLUME   488136.347 3754797.418 520.48
   LOCATION L0113564     VOLUME   488178.582 3754767.914 521.23
   LOCATION L0113565     VOLUME   488228.469 3754753.911 522.90
   LOCATION L0113566     VOLUME   488278.356 3754739.908 523.05
   LOCATION L0113567     VOLUME   488329.227 3754731.607 521.54
   LOCATION L0113568     VOLUME   488380.922 3754728.082 523.90
   LOCATION L0113569     VOLUME   488432.617 3754724.557 527.97
   LOCATION L0113570     VOLUME   488484.312 3754721.033 524.82
** END OF LINE VOLUME SOURCE ID = SEGMENT18A
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT19
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.222
** ELEVATED
** VERTICAL DIMENSION = 2.10
** SZINIT = 0.49
** NODES = 6
** 487121.55, 3754448.99, 511.00, 2.10, 17.64
** 487583.28, 3754424.46, 510.00, 2.10, 17.64
** 487714.88, 3754428.92, 512.00, 2.10, 17.64
** 487795.18, 3754451.22, 513.00, 2.10, 17.64
** 488303.76, 3754442.30, 511.00, 2.10, 17.64
** 488433.13, 3754346.39, 506.00, 2.10, 17.64
** ---------------------------------------------------------------------
   LOCATION L0113571     VOLUME   487131.288 3754448.475 506.58
   LOCATION L0113572     VOLUME   487169.165 3754446.462 506.00
   LOCATION L0113573     VOLUME   487207.043 3754444.450 508.12
   LOCATION L0113574     VOLUME   487244.921 3754442.437 509.08
   LOCATION L0113575     VOLUME   487282.799 3754440.424 509.78
   LOCATION L0113576     VOLUME   487320.677 3754438.411 509.05
   LOCATION L0113577     VOLUME   487358.555 3754436.398 509.37
   LOCATION L0113578     VOLUME   487396.433 3754434.385 510.45
   LOCATION L0113579     VOLUME   487434.310 3754432.373 509.94
   LOCATION L0113580     VOLUME   487472.188 3754430.360 509.38
   LOCATION L0113581     VOLUME   487510.066 3754428.347 509.95
   LOCATION L0113582     VOLUME   487547.944 3754426.334 510.22
   LOCATION L0113583     VOLUME   487585.824 3754424.543 509.56
   LOCATION L0113584     VOLUME   487623.733 3754425.828 510.12
   LOCATION L0113585     VOLUME   487661.643 3754427.113 510.71
   LOCATION L0113586     VOLUME   487699.553 3754428.398 510.44
   LOCATION L0113587     VOLUME   487736.651 3754434.965 510.81
   LOCATION L0113588     VOLUME   487773.198 3754445.117 510.41
   LOCATION L0113589     VOLUME   487810.295 3754450.958 509.88
   LOCATION L0113590     VOLUME   487848.220 3754450.293 509.77
   LOCATION L0113591     VOLUME   487886.146 3754449.628 508.53
   LOCATION L0113592     VOLUME   487924.071 3754448.962 507.74
   LOCATION L0113593     VOLUME   487961.997 3754448.297 508.40
   LOCATION L0113594     VOLUME   487999.922 3754447.632 509.00
   LOCATION L0113595     VOLUME   488037.848 3754446.966 508.07
   LOCATION L0113596     VOLUME   488075.773 3754446.301 507.15
   LOCATION L0113597     VOLUME   488113.698 3754445.635 508.18
   LOCATION L0113598     VOLUME   488151.624 3754444.970 508.31
   LOCATION L0113599     VOLUME   488189.549 3754444.305 509.27
   LOCATION L0113600     VOLUME   488227.475 3754443.639 510.36
   LOCATION L0113601     VOLUME   488265.400 3754442.974 510.66
   LOCATION L0113602     VOLUME   488303.326 3754442.309 510.94
   LOCATION L0113603     VOLUME   488333.881 3754419.967 509.27
   LOCATION L0113604     VOLUME   488364.352 3754397.376 506.49
   LOCATION L0113605     VOLUME   488394.822 3754374.786 504.46
   LOCATION L0113606     VOLUME   488425.293 3754352.196 504.99
** END OF LINE VOLUME SOURCE ID = SEGMENT19
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT20
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.073
** ELEVATED
** VERTICAL DIMENSION = 1.20
** SZINIT = 0.28
** NODES = 3
** 488428.67, 3754348.62, 506.00, 1.20, 18.04
** 488457.67, 3754308.47, 506.00, 1.20, 18.04
** 488457.67, 3753291.32, 483.00, 1.20, 18.04
** ---------------------------------------------------------------------
   LOCATION L0113607     VOLUME   488434.379 3754340.708 505.31
   LOCATION L0113608     VOLUME   488457.087 3754309.267 506.00
   LOCATION L0113609     VOLUME   488457.666 3754270.671 506.00
   LOCATION L0113610     VOLUME   488457.666 3754231.887 505.06
   LOCATION L0113611     VOLUME   488457.666 3754193.103 501.00
   LOCATION L0113612     VOLUME   488457.666 3754154.319 501.52
   LOCATION L0113613     VOLUME   488457.666 3754115.535 503.63
   LOCATION L0113614     VOLUME   488457.666 3754076.751 502.89
   LOCATION L0113615     VOLUME   488457.666 3754037.968 502.00
   LOCATION L0113616     VOLUME   488457.666 3753999.184 502.00
   LOCATION L0113617     VOLUME   488457.666 3753960.400 502.00
   LOCATION L0113618     VOLUME   488457.666 3753921.616 500.44
   LOCATION L0113619     VOLUME   488457.666 3753882.832 498.43
   LOCATION L0113620     VOLUME   488457.666 3753844.049 497.13
   LOCATION L0113621     VOLUME   488457.666 3753805.265 496.84
   LOCATION L0113622     VOLUME   488457.666 3753766.481 496.00
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   LOCATION L0113623     VOLUME   488457.666 3753727.697 495.26
   LOCATION L0113624     VOLUME   488457.666 3753688.913 493.93
   LOCATION L0113625     VOLUME   488457.666 3753650.130 491.01
   LOCATION L0113626     VOLUME   488457.666 3753611.346 488.38
   LOCATION L0113627     VOLUME   488457.666 3753572.562 488.00
   LOCATION L0113628     VOLUME   488457.666 3753533.778 488.00
   LOCATION L0113629     VOLUME   488457.666 3753494.994 488.00
   LOCATION L0113630     VOLUME   488457.666 3753456.211 487.21
   LOCATION L0113631     VOLUME   488457.666 3753417.427 485.91
   LOCATION L0113632     VOLUME   488457.666 3753378.643 485.38
   LOCATION L0113633     VOLUME   488457.666 3753339.859 483.99
   LOCATION L0113634     VOLUME   488457.666 3753301.075 482.04
** END OF LINE VOLUME SOURCE ID = SEGMENT20
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT21
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.301
** ELEVATED
** VERTICAL DIMENSION = 1.70
** SZINIT = 0.40
** NODES = 2
** 487098.48, 3753294.03, 491.00, 1.70, 22.81
** 487762.08, 3753289.01, 485.00, 1.70, 22.81
** ----------------------------------------------------------------------
   LOCATION L0113635     VOLUME   487111.587 3753293.935 488.95
   LOCATION L0113636     VOLUME   487160.618 3753293.563 488.00
   LOCATION L0113637     VOLUME   487209.648 3753293.192 486.28
   LOCATION L0113638     VOLUME   487258.678 3753292.820 484.53
   LOCATION L0113639     VOLUME   487307.708 3753292.449 486.78
   LOCATION L0113640     VOLUME   487356.738 3753292.077 488.33
   LOCATION L0113641     VOLUME   487405.769 3753291.706 488.58
   LOCATION L0113642     VOLUME   487454.799 3753291.335 487.15
   LOCATION L0113643     VOLUME   487503.829 3753290.963 486.39
   LOCATION L0113644     VOLUME   487552.859 3753290.592 487.28
   LOCATION L0113645     VOLUME   487601.890 3753290.220 486.63
   LOCATION L0113646     VOLUME   487650.920 3753289.849 486.21
   LOCATION L0113647     VOLUME   487699.950 3753289.477 482.33
   LOCATION L0113648     VOLUME   487748.980 3753289.106 483.13
** END OF LINE VOLUME SOURCE ID = SEGMENT21
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT22
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.375
** ELEVATED
** VERTICAL DIMENSION = 1.70
** SZINIT = 0.40
** NODES = 2
** 487752.03, 3753289.01, 485.00, 1.70, 24.24
** 488455.85, 3753289.01, 483.00, 1.70, 24.24
** ----------------------------------------------------------------------
   LOCATION L0113649     VOLUME   487765.135 3753289.007 484.00
   LOCATION L0113650     VOLUME   487817.259 3753289.007 485.27
   LOCATION L0113651     VOLUME   487869.383 3753289.007 483.15
   LOCATION L0113652     VOLUME   487921.507 3753289.007 482.97
   LOCATION L0113653     VOLUME   487973.631 3753289.007 484.84
   LOCATION L0113654     VOLUME   488025.755 3753289.007 485.63
   LOCATION L0113655     VOLUME   488077.879 3753289.007 485.37
   LOCATION L0113656     VOLUME   488130.002 3753289.007 485.63
   LOCATION L0113657     VOLUME   488182.126 3753289.007 485.63
   LOCATION L0113658     VOLUME   488234.250 3753289.007 486.33
   LOCATION L0113659     VOLUME   488286.374 3753289.007 484.87
   LOCATION L0113660     VOLUME   488338.498 3753289.007 484.37
   LOCATION L0113661     VOLUME   488390.622 3753289.007 484.55
   LOCATION L0113662     VOLUME   488442.746 3753289.007 483.27
** END OF LINE VOLUME SOURCE ID = SEGMENT22
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT23
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.128
** ELEVATED
** VERTICAL DIMENSION = 1.80
** SZINIT = 0.42
** NODES = 2
** 488445.80, 3753299.06, 484.00, 1.80, 18.10
** 488450.82, 3752851.63, 480.00, 1.80, 18.10
** ----------------------------------------------------------------------
   LOCATION L0113663     VOLUME   488445.906 3753289.307 481.64
   LOCATION L0113664     VOLUME   488446.343 3753250.405 481.00
   LOCATION L0113665     VOLUME   488446.780 3753211.503 480.05
   LOCATION L0113666     VOLUME   488447.217 3753172.601 479.00
   LOCATION L0113667     VOLUME   488447.654 3753133.700 478.46
   LOCATION L0113668     VOLUME   488448.091 3753094.798 478.00
   LOCATION L0113669     VOLUME   488448.528 3753055.896 477.00
   LOCATION L0113670     VOLUME   488448.966 3753016.994 477.00
   LOCATION L0113671     VOLUME   488449.403 3752978.092 477.73
   LOCATION L0113672     VOLUME   488449.840 3752939.190 478.97
   LOCATION L0113673     VOLUME   488450.277 3752900.289 478.00
   LOCATION L0113674     VOLUME   488450.714 3752861.387 478.00
** END OF LINE VOLUME SOURCE ID = SEGMENT23
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT24
** DESCRSRC
** PREFIX
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** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.374
** ELEVATED
** VERTICAL DIMENSION = 1.50
** SZINIT = 0.35
** NODES = 2
** 488450.82, 3753299.06, 483.00, 1.50, 23.53
** 489893.66, 3753294.03, 493.00, 1.50, 23.53
** ----------------------------------------------------------------------
   LOCATION L0113675     VOLUME   488463.928 3753299.016 481.83
   LOCATION L0113676     VOLUME   488514.522 3753298.839 480.92
   LOCATION L0113677     VOLUME   488565.116 3753298.663 482.30
   LOCATION L0113678     VOLUME   488615.709 3753298.487 484.06
   LOCATION L0113679     VOLUME   488666.303 3753298.310 483.24
   LOCATION L0113680     VOLUME   488716.897 3753298.134 482.04
   LOCATION L0113681     VOLUME   488767.490 3753297.958 482.14
   LOCATION L0113682     VOLUME   488818.084 3753297.782 481.14
   LOCATION L0113683     VOLUME   488868.678 3753297.605 482.05
   LOCATION L0113684     VOLUME   488919.271 3753297.429 483.39
   LOCATION L0113685     VOLUME   488969.865 3753297.253 485.90
   LOCATION L0113686     VOLUME   489020.459 3753297.076 484.22
   LOCATION L0113687     VOLUME   489071.052 3753296.900 484.83
   LOCATION L0113688     VOLUME   489121.646 3753296.724 484.90
   LOCATION L0113689     VOLUME   489172.240 3753296.548 486.48
   LOCATION L0113690     VOLUME   489222.833 3753296.371 491.61
   LOCATION L0113691     VOLUME   489273.427 3753296.195 494.43
   LOCATION L0113692     VOLUME   489324.020 3753296.019 490.50
   LOCATION L0113693     VOLUME   489374.614 3753295.842 489.14
   LOCATION L0113694     VOLUME   489425.208 3753295.666 490.32
   LOCATION L0113695     VOLUME   489475.801 3753295.490 490.16
   LOCATION L0113696     VOLUME   489526.395 3753295.314 490.47
   LOCATION L0113697     VOLUME   489576.989 3753295.137 493.03
   LOCATION L0113698     VOLUME   489627.582 3753294.961 493.36
   LOCATION L0113699     VOLUME   489678.176 3753294.785 495.58
   LOCATION L0113700     VOLUME   489728.770 3753294.608 496.83
   LOCATION L0113701     VOLUME   489779.363 3753294.432 493.43
   LOCATION L0113702     VOLUME   489829.957 3753294.256 489.16
   LOCATION L0113703     VOLUME   489880.551 3753294.080 491.63
** END OF LINE VOLUME SOURCE ID = SEGMENT24
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT25
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.1
** ELEVATED
** VERTICAL DIMENSION = 1.80
** SZINIT = 0.42
** NODES = 3
** 489888.63, 3753289.01, 493.00, 1.80, 22.24
** 489959.01, 3753319.17, 494.00, 1.80, 22.24
** 490099.77, 3753444.85, 504.00, 1.80, 22.24
** ----------------------------------------------------------------------
   LOCATION L0113704     VOLUME   489900.674 3753294.169 492.82
   LOCATION L0113705     VOLUME   489944.622 3753313.004 493.72
   LOCATION L0113706     VOLUME   489983.000 3753340.589 494.27
   LOCATION L0113707     VOLUME   490018.666 3753372.434 497.34
   LOCATION L0113708     VOLUME   490054.332 3753404.279 500.62
   LOCATION L0113709     VOLUME   490089.999 3753436.124 502.51
** END OF LINE VOLUME SOURCE ID = SEGMENT25
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT26
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.097
** ELEVATED
** VERTICAL DIMENSION = 1.90
** SZINIT = 0.44
** NODES = 2
** 489898.68, 3753289.01, 493.00, 1.90, 15.51
** 489903.71, 3752871.74, 482.00, 1.90, 15.51
** ----------------------------------------------------------------------
   LOCATION L0113710     VOLUME   489898.786 3753280.472 492.29
   LOCATION L0113711     VOLUME   489899.187 3753247.123 490.45
   LOCATION L0113712     VOLUME   489899.589 3753213.773 488.25
   LOCATION L0113713     VOLUME   489899.991 3753180.423 487.01
   LOCATION L0113714     VOLUME   489900.393 3753147.074 488.28
   LOCATION L0113715     VOLUME   489900.795 3753113.724 490.99
   LOCATION L0113716     VOLUME   489901.196 3753080.374 490.63
   LOCATION L0113717     VOLUME   489901.598 3753047.024 489.03
   LOCATION L0113718     VOLUME   489902.000 3753013.675 487.32
   LOCATION L0113719     VOLUME   489902.402 3752980.325 486.24
   LOCATION L0113720     VOLUME   489902.804 3752946.975 484.59
   LOCATION L0113721     VOLUME   489903.205 3752913.626 482.46
   LOCATION L0113722     VOLUME   489903.607 3752880.276 480.38
** END OF LINE VOLUME SOURCE ID = SEGMENT26
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT27
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0619
** ELEVATED
** VERTICAL DIMENSION = 1.90
** SZINIT = 0.44
** NODES = 2
** 489908.74, 3752866.71, 482.00, 1.90, 15.35
** 490255.62, 3752876.77, 483.00, 1.90, 15.35
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** ----------------------------------------------------------------------
   LOCATION L0113723     VOLUME   489917.269 3752866.962 481.66
   LOCATION L0113724     VOLUME   489950.251 3752867.918 483.00
   LOCATION L0113725     VOLUME   489983.233 3752868.874 484.03
   LOCATION L0113726     VOLUME   490016.215 3752869.830 484.90
   LOCATION L0113727     VOLUME   490049.197 3752870.786 486.05
   LOCATION L0113728     VOLUME   490082.179 3752871.742 485.72
   LOCATION L0113729     VOLUME   490115.161 3752872.698 485.89
   LOCATION L0113730     VOLUME   490148.143 3752873.654 486.58
   LOCATION L0113731     VOLUME   490181.125 3752874.610 486.03
   LOCATION L0113732     VOLUME   490214.107 3752875.566 484.13
   LOCATION L0113733     VOLUME   490247.089 3752876.522 482.55
** END OF LINE VOLUME SOURCE ID = SEGMENT27
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT28
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.158
** ELEVATED
** VERTICAL DIMENSION = 1.90
** SZINIT = 0.44
** NODES = 3
** 488445.80, 3752856.66, 479.00, 1.90, 15.60
** 489023.93, 3752886.82, 482.00, 1.90, 15.60
** 489903.71, 3752871.74, 482.00, 1.90, 15.60
** ----------------------------------------------------------------------
   LOCATION L0113734     VOLUME   488454.320 3752857.104 478.00
   LOCATION L0113735     VOLUME   488487.803 3752858.851 478.65
   LOCATION L0113736     VOLUME   488521.287 3752860.598 477.56
   LOCATION L0113737     VOLUME   488554.771 3752862.345 475.49
   LOCATION L0113738     VOLUME   488588.255 3752864.092 475.28
   LOCATION L0113739     VOLUME   488621.738 3752865.839 476.58
   LOCATION L0113740     VOLUME   488655.222 3752867.586 478.01
   LOCATION L0113741     VOLUME   488688.706 3752869.333 478.46
   LOCATION L0113742     VOLUME   488722.190 3752871.080 477.56
   LOCATION L0113743     VOLUME   488755.673 3752872.827 477.44
   LOCATION L0113744     VOLUME   488789.157 3752874.574 478.33
   LOCATION L0113745     VOLUME   488822.641 3752876.321 478.23
   LOCATION L0113746     VOLUME   488856.125 3752878.068 478.05
   LOCATION L0113747     VOLUME   488889.608 3752879.815 478.00
   LOCATION L0113748     VOLUME   488923.092 3752881.562 477.67
   LOCATION L0113749     VOLUME   488956.576 3752883.309 478.20
   LOCATION L0113750     VOLUME   488990.060 3752885.056 479.67
   LOCATION L0113751     VOLUME   489023.543 3752886.803 481.39
   LOCATION L0113752     VOLUME   489057.067 3752886.256 482.69
   LOCATION L0113753     VOLUME   489090.592 3752885.681 481.79
   LOCATION L0113754     VOLUME   489124.116 3752885.106 480.72
   LOCATION L0113755     VOLUME   489157.640 3752884.531 479.78
   LOCATION L0113756     VOLUME   489191.165 3752883.957 478.81
   LOCATION L0113757     VOLUME   489224.689 3752883.382 478.66
   LOCATION L0113758     VOLUME   489258.213 3752882.807 479.70
   LOCATION L0113759     VOLUME   489291.738 3752882.233 480.07
   LOCATION L0113760     VOLUME   489325.262 3752881.658 480.06
   LOCATION L0113761     VOLUME   489358.787 3752881.083 480.07
   LOCATION L0113762     VOLUME   489392.311 3752880.508 480.03
   LOCATION L0113763     VOLUME   489425.835 3752879.934 480.19
   LOCATION L0113764     VOLUME   489459.360 3752879.359 481.26
   LOCATION L0113765     VOLUME   489492.884 3752878.784 481.90
   LOCATION L0113766     VOLUME   489526.408 3752878.210 481.91
   LOCATION L0113767     VOLUME   489559.933 3752877.635 482.48
   LOCATION L0113768     VOLUME   489593.457 3752877.060 483.49
   LOCATION L0113769     VOLUME   489626.981 3752876.486 484.65
   LOCATION L0113770     VOLUME   489660.506 3752875.911 484.85
   LOCATION L0113771     VOLUME   489694.030 3752875.336 483.84
   LOCATION L0113772     VOLUME   489727.555 3752874.761 484.12
   LOCATION L0113773     VOLUME   489761.079 3752874.187 485.30
   LOCATION L0113774     VOLUME   489794.603 3752873.612 484.92
   LOCATION L0113775     VOLUME   489828.128 3752873.037 482.79
   LOCATION L0113776     VOLUME   489861.652 3752872.463 480.74
   LOCATION L0113777     VOLUME   489895.176 3752871.888 480.27
** END OF LINE VOLUME SOURCE ID = SEGMENT28
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT29
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 10.10
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.049
** ELEVATED
** VERTICAL DIMENSION = 2.10
** SZINIT = 0.49
** NODES = 2
** 488254.11, 3755298.30, 548.00, 2.10, 9.20
** 488465.26, 3754775.46, 527.00, 2.10, 9.20
** ----------------------------------------------------------------------
   LOCATION L0113778     VOLUME   488256.001 3755293.618 547.91
   LOCATION L0113779     VOLUME   488263.407 3755275.280 547.76
   LOCATION L0113780     VOLUME   488270.813 3755256.941 547.00
   LOCATION L0113781     VOLUME   488278.219 3755238.603 546.11
   LOCATION L0113782     VOLUME   488285.625 3755220.265 545.58
   LOCATION L0113783     VOLUME   488293.031 3755201.926 546.30
   LOCATION L0113784     VOLUME   488300.437 3755183.588 546.55
   LOCATION L0113785     VOLUME   488307.843 3755165.250 546.07
   LOCATION L0113786     VOLUME   488315.248 3755146.911 545.50
   LOCATION L0113787     VOLUME   488322.654 3755128.573 544.24
   LOCATION L0113788     VOLUME   488330.060 3755110.235 541.81
   LOCATION L0113789     VOLUME   488337.466 3755091.896 539.27
   LOCATION L0113790     VOLUME   488344.872 3755073.558 537.21
   LOCATION L0113791     VOLUME   488352.278 3755055.220 535.11
   LOCATION L0113792     VOLUME   488359.684 3755036.881 533.03
   LOCATION L0113793     VOLUME   488367.089 3755018.543 531.46
   LOCATION L0113794     VOLUME   488374.495 3755000.205 530.12
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   LOCATION L0113795     VOLUME   488381.901 3754981.866 528.93
   LOCATION L0113796     VOLUME   488389.307 3754963.528 527.84
   LOCATION L0113797     VOLUME   488396.713 3754945.190 527.02
   LOCATION L0113798     VOLUME   488404.119 3754926.851 527.91
   LOCATION L0113799     VOLUME   488411.525 3754908.513 527.77
   LOCATION L0113800     VOLUME   488418.930 3754890.175 527.27
   LOCATION L0113801     VOLUME   488426.336 3754871.837 526.62
   LOCATION L0113802     VOLUME   488433.742 3754853.498 525.57
   LOCATION L0113803     VOLUME   488441.148 3754835.160 524.34
   LOCATION L0113804     VOLUME   488448.554 3754816.822 526.00
   LOCATION L0113805     VOLUME   488455.960 3754798.483 526.05
   LOCATION L0113806     VOLUME   488463.366 3754780.145 526.51
** END OF LINE VOLUME SOURCE ID = SEGMENT29
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT30
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 10.10
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.223
** ELEVATED
** VERTICAL DIMENSION = 2.00
** SZINIT = 0.47
** NODES = 4
** 488465.58, 3754780.49, 527.00, 2.00, 9.32
** 488732.03, 3754307.92, 516.00, 2.00, 9.32
** 488963.28, 3754116.89, 511.00, 2.00, 9.32
** 490099.45, 3753423.12, 503.00, 2.00, 9.32
** ----------------------------------------------------------------------
   LOCATION L0113807     VOLUME   488468.061 3754776.091 526.37
   LOCATION L0113808     VOLUME   488477.900 3754758.640 525.96
   LOCATION L0113809     VOLUME   488487.740 3754741.189 525.22
   LOCATION L0113810     VOLUME   488497.579 3754723.739 524.23
   LOCATION L0113811     VOLUME   488507.418 3754706.288 524.00
   LOCATION L0113812     VOLUME   488517.257 3754688.838 524.00
   LOCATION L0113813     VOLUME   488527.096 3754671.387 523.43
   LOCATION L0113814     VOLUME   488536.935 3754653.936 522.26
   LOCATION L0113815     VOLUME   488546.775 3754636.486 521.45
   LOCATION L0113816     VOLUME   488556.614 3754619.035 521.60
   LOCATION L0113817     VOLUME   488566.453 3754601.585 521.75
   LOCATION L0113818     VOLUME   488576.292 3754584.134 522.33
   LOCATION L0113819     VOLUME   488586.131 3754566.683 523.13
   LOCATION L0113820     VOLUME   488595.971 3754549.233 522.86
   LOCATION L0113821     VOLUME   488605.810 3754531.782 521.81
   LOCATION L0113822     VOLUME   488615.649 3754514.331 522.23
   LOCATION L0113823     VOLUME   488625.488 3754496.881 522.80
   LOCATION L0113824     VOLUME   488635.327 3754479.430 522.43
   LOCATION L0113825     VOLUME   488645.166 3754461.980 521.23
   LOCATION L0113826     VOLUME   488655.006 3754444.529 519.18
   LOCATION L0113827     VOLUME   488664.845 3754427.078 517.54
   LOCATION L0113828     VOLUME   488674.684 3754409.628 516.13
   LOCATION L0113829     VOLUME   488684.523 3754392.177 514.72
   LOCATION L0113830     VOLUME   488694.362 3754374.727 512.98
   LOCATION L0113831     VOLUME   488704.201 3754357.276 512.63
   LOCATION L0113832     VOLUME   488714.041 3754339.825 513.58
   LOCATION L0113833     VOLUME   488723.880 3754322.375 514.58
   LOCATION L0113834     VOLUME   488734.683 3754305.731 514.37
   LOCATION L0113835     VOLUME   488750.128 3754292.972 513.43
   LOCATION L0113836     VOLUME   488765.573 3754280.213 511.63
   LOCATION L0113837     VOLUME   488781.018 3754267.454 510.35
   LOCATION L0113838     VOLUME   488796.462 3754254.695 509.90
   LOCATION L0113839     VOLUME   488811.907 3754241.937 509.97
   LOCATION L0113840     VOLUME   488827.352 3754229.178 510.21
   LOCATION L0113841     VOLUME   488842.797 3754216.419 509.96
   LOCATION L0113842     VOLUME   488858.242 3754203.660 509.76
   LOCATION L0113843     VOLUME   488873.687 3754190.901 510.64
   LOCATION L0113844     VOLUME   488889.132 3754178.142 511.39
   LOCATION L0113845     VOLUME   488904.577 3754165.384 511.69
   LOCATION L0113846     VOLUME   488920.022 3754152.625 511.56
   LOCATION L0113847     VOLUME   488935.467 3754139.866 511.00
   LOCATION L0113848     VOLUME   488950.912 3754127.107 510.57
   LOCATION L0113849     VOLUME   488966.685 3754114.810 510.16
   LOCATION L0113850     VOLUME   488983.783 3754104.369 507.69
   LOCATION L0113851     VOLUME   489000.881 3754093.929 504.89
   LOCATION L0113852     VOLUME   489017.979 3754083.489 503.56
   LOCATION L0113853     VOLUME   489035.077 3754073.049 502.75
   LOCATION L0113854     VOLUME   489052.174 3754062.608 503.01
   LOCATION L0113855     VOLUME   489069.272 3754052.168 503.38
   LOCATION L0113856     VOLUME   489086.370 3754041.728 503.33
   LOCATION L0113857     VOLUME   489103.468 3754031.288 502.75
   LOCATION L0113858     VOLUME   489120.566 3754020.847 502.04
   LOCATION L0113859     VOLUME   489137.663 3754010.407 500.90
   LOCATION L0113860     VOLUME   489154.761 3753999.967 499.51
   LOCATION L0113861     VOLUME   489171.859 3753989.527 498.29
   LOCATION L0113862     VOLUME   489188.957 3753979.086 498.74
   LOCATION L0113863     VOLUME   489206.055 3753968.646 499.21
   LOCATION L0113864     VOLUME   489223.152 3753958.206 499.39
   LOCATION L0113865     VOLUME   489240.250 3753947.766 499.18
   LOCATION L0113866     VOLUME   489257.348 3753937.325 498.49
   LOCATION L0113867     VOLUME   489274.446 3753926.885 498.00
   LOCATION L0113868     VOLUME   489291.544 3753916.445 498.00
   LOCATION L0113869     VOLUME   489308.641 3753906.005 497.94
   LOCATION L0113870     VOLUME   489325.739 3753895.564 498.00
   LOCATION L0113871     VOLUME   489342.837 3753885.124 497.57
   LOCATION L0113872     VOLUME   489359.935 3753874.684 497.00
   LOCATION L0113873     VOLUME   489377.033 3753864.244 497.46
   LOCATION L0113874     VOLUME   489394.130 3753853.803 497.52
   LOCATION L0113875     VOLUME   489411.228 3753843.363 497.19
   LOCATION L0113876     VOLUME   489428.326 3753832.923 497.17
   LOCATION L0113877     VOLUME   489445.424 3753822.483 497.09
   LOCATION L0113878     VOLUME   489462.522 3753812.042 497.83
   LOCATION L0113879     VOLUME   489479.619 3753801.602 498.69
   LOCATION L0113880     VOLUME   489496.717 3753791.162 498.93
   LOCATION L0113881     VOLUME   489513.815 3753780.722 499.15
   LOCATION L0113882     VOLUME   489530.913 3753770.281 499.70
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   LOCATION L0113883     VOLUME   489548.011 3753759.841 499.91
   LOCATION L0113884     VOLUME   489565.108 3753749.401 499.98
   LOCATION L0113885     VOLUME   489582.206 3753738.961 500.04
   LOCATION L0113886     VOLUME   489599.304 3753728.520 500.26
   LOCATION L0113887     VOLUME   489616.402 3753718.080 500.93
   LOCATION L0113888     VOLUME   489633.500 3753707.640 500.81
   LOCATION L0113889     VOLUME   489650.597 3753697.200 500.24
   LOCATION L0113890     VOLUME   489667.695 3753686.759 499.56
   LOCATION L0113891     VOLUME   489684.793 3753676.319 498.64
   LOCATION L0113892     VOLUME   489701.891 3753665.879 499.31
   LOCATION L0113893     VOLUME   489718.988 3753655.439 500.90
   LOCATION L0113894     VOLUME   489736.086 3753644.998 502.34
   LOCATION L0113895     VOLUME   489753.184 3753634.558 503.15
   LOCATION L0113896     VOLUME   489770.282 3753624.118 502.80
   LOCATION L0113897     VOLUME   489787.380 3753613.678 502.57
   LOCATION L0113898     VOLUME   489804.477 3753603.238 502.20
   LOCATION L0113899     VOLUME   489821.575 3753592.797 501.52
   LOCATION L0113900     VOLUME   489838.673 3753582.357 500.82
   LOCATION L0113901     VOLUME   489855.771 3753571.917 501.11
   LOCATION L0113902     VOLUME   489872.869 3753561.477 502.19
   LOCATION L0113903     VOLUME   489889.966 3753551.036 503.33
   LOCATION L0113904     VOLUME   489907.064 3753540.596 504.24
   LOCATION L0113905     VOLUME   489924.162 3753530.156 504.09
   LOCATION L0113906     VOLUME   489941.260 3753519.716 503.77
   LOCATION L0113907     VOLUME   489958.358 3753509.275 502.90
   LOCATION L0113908     VOLUME   489975.455 3753498.835 501.70
   LOCATION L0113909     VOLUME   489992.553 3753488.395 500.88
   LOCATION L0113910     VOLUME   490009.651 3753477.955 500.59
   LOCATION L0113911     VOLUME   490026.749 3753467.514 500.58
   LOCATION L0113912     VOLUME   490043.847 3753457.074 500.24
   LOCATION L0113913     VOLUME   490060.944 3753446.634 500.80
   LOCATION L0113914     VOLUME   490078.042 3753436.194 501.90
   LOCATION L0113915     VOLUME   490095.140 3753425.753 502.60
** END OF LINE VOLUME SOURCE ID = SEGMENT30
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT31
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 10.10
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.042
** ELEVATED
** VERTICAL DIMENSION = 1.20
** SZINIT = 0.28
** NODES = 3
** 490099.77, 3753444.85, 504.00, 1.20, 9.38
** 490652.78, 3753118.08, 492.00, 1.20, 9.38
** 491195.72, 3752374.04, 463.00, 1.20, 9.38
** ----------------------------------------------------------------------
   LOCATION L0113916     VOLUME   490104.122 3753442.284 503.40
   LOCATION L0113917     VOLUME   490121.489 3753432.021 503.63
   LOCATION L0113918     VOLUME   490138.857 3753421.758 502.32
   LOCATION L0113919     VOLUME   490156.224 3753411.496 502.36
   LOCATION L0113920     VOLUME   490173.592 3753401.233 502.17
   LOCATION L0113921     VOLUME   490190.959 3753390.971 501.12
   LOCATION L0113922     VOLUME   490208.326 3753380.708 500.55
   LOCATION L0113923     VOLUME   490225.694 3753370.446 500.81
   LOCATION L0113924     VOLUME   490243.061 3753360.183 501.44
   LOCATION L0113925     VOLUME   490260.428 3753349.921 501.30
   LOCATION L0113926     VOLUME   490277.796 3753339.658 499.46
   LOCATION L0113927     VOLUME   490295.163 3753329.396 497.80
   LOCATION L0113928     VOLUME   490312.530 3753319.133 496.61
   LOCATION L0113929     VOLUME   490329.898 3753308.871 495.69
   LOCATION L0113930     VOLUME   490347.265 3753298.608 494.96
   LOCATION L0113931     VOLUME   490364.633 3753288.345 495.10
   LOCATION L0113932     VOLUME   490382.000 3753278.083 495.35
   LOCATION L0113933     VOLUME   490399.367 3753267.820 495.69
   LOCATION L0113934     VOLUME   490416.735 3753257.558 496.45
   LOCATION L0113935     VOLUME   490434.102 3753247.295 496.34
   LOCATION L0113936     VOLUME   490451.469 3753237.033 495.44
   LOCATION L0113937     VOLUME   490468.837 3753226.770 493.75
   LOCATION L0113938     VOLUME   490486.204 3753216.508 491.88
   LOCATION L0113939     VOLUME   490503.572 3753206.245 490.76
   LOCATION L0113940     VOLUME   490520.939 3753195.983 489.83
   LOCATION L0113941     VOLUME   490538.306 3753185.720 489.24
   LOCATION L0113942     VOLUME   490555.674 3753175.458 488.85
   LOCATION L0113943     VOLUME   490573.041 3753165.195 489.38
   LOCATION L0113944     VOLUME   490590.408 3753154.933 490.19
   LOCATION L0113945     VOLUME   490607.776 3753144.670 491.19
   LOCATION L0113946     VOLUME   490625.143 3753134.407 491.91
   LOCATION L0113947     VOLUME   490642.510 3753124.145 491.35
   LOCATION L0113948     VOLUME   490657.639 3753111.415 489.45
   LOCATION L0113949     VOLUME   490669.530 3753095.120 487.10
   LOCATION L0113950     VOLUME   490681.421 3753078.825 485.60
   LOCATION L0113951     VOLUME   490693.313 3753062.529 485.05
   LOCATION L0113952     VOLUME   490705.204 3753046.234 484.47
   LOCATION L0113953     VOLUME   490717.095 3753029.938 484.23
   LOCATION L0113954     VOLUME   490728.986 3753013.643 483.74
   LOCATION L0113955     VOLUME   490740.878 3752997.347 482.76
   LOCATION L0113956     VOLUME   490752.769 3752981.052 480.99
   LOCATION L0113957     VOLUME   490764.660 3752964.756 478.83
   LOCATION L0113958     VOLUME   490776.552 3752948.461 477.94
   LOCATION L0113959     VOLUME   490788.443 3752932.165 478.07
   LOCATION L0113960     VOLUME   490800.334 3752915.870 478.20
   LOCATION L0113961     VOLUME   490812.225 3752899.574 477.16
   LOCATION L0113962     VOLUME   490824.117 3752883.279 475.50
   LOCATION L0113963     VOLUME   490836.008 3752866.983 474.13
   LOCATION L0113964     VOLUME   490847.899 3752850.688 473.05
   LOCATION L0113965     VOLUME   490859.791 3752834.392 473.00
   LOCATION L0113966     VOLUME   490871.682 3752818.097 473.00
   LOCATION L0113967     VOLUME   490883.573 3752801.802 473.00
   LOCATION L0113968     VOLUME   490895.464 3752785.506 472.85
   LOCATION L0113969     VOLUME   490907.356 3752769.211 472.31
   LOCATION L0113970     VOLUME   490919.247 3752752.915 471.99
   LOCATION L0113971     VOLUME   490931.138 3752736.620 472.37
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   LOCATION L0113972     VOLUME   490943.030 3752720.324 472.77
   LOCATION L0113973     VOLUME   490954.921 3752704.029 473.02
   LOCATION L0113974     VOLUME   490966.812 3752687.733 472.59
   LOCATION L0113975     VOLUME   490978.703 3752671.438 472.05
   LOCATION L0113976     VOLUME   490990.595 3752655.142 471.50
   LOCATION L0113977     VOLUME   491002.486 3752638.847 471.02
   LOCATION L0113978     VOLUME   491014.377 3752622.551 471.67
   LOCATION L0113979     VOLUME   491026.269 3752606.256 472.36
   LOCATION L0113980     VOLUME   491038.160 3752589.960 472.23
   LOCATION L0113981     VOLUME   491050.051 3752573.665 471.24
   LOCATION L0113982     VOLUME   491061.942 3752557.370 470.66
   LOCATION L0113983     VOLUME   491073.834 3752541.074 470.78
   LOCATION L0113984     VOLUME   491085.725 3752524.779 471.04
   LOCATION L0113985     VOLUME   491097.616 3752508.483 470.72
   LOCATION L0113986     VOLUME   491109.508 3752492.188 468.29
   LOCATION L0113987     VOLUME   491121.399 3752475.892 465.65
   LOCATION L0113988     VOLUME   491133.290 3752459.597 463.99
   LOCATION L0113989     VOLUME   491145.181 3752443.301 464.01
   LOCATION L0113990     VOLUME   491157.073 3752427.006 464.32
   LOCATION L0113991     VOLUME   491168.964 3752410.710 461.87
   LOCATION L0113992     VOLUME   491180.855 3752394.415 460.34
   LOCATION L0113993     VOLUME   491192.747 3752378.119 460.52
** END OF LINE VOLUME SOURCE ID = SEGMENT31
   LOCATION PHASE2       AREAPOLY   485955.126  3753354.752      492.230
** SOURCE PARAMETERS **
   SRCPARAM PHASE1        6.46E-07     2.600        11
   AREAVERT PHASE1       485577.456 3755020.364 485577.456 3753474.160
   AREAVERT PHASE1       485908.786 3753474.160 485923.846 3753288.414
   AREAVERT PHASE1       486892.734 3753283.394 487138.721 3753248.253
   AREAVERT PHASE1       488479.099 3753223.153 488464.038 3754287.423
   AREAVERT PHASE1       488107.608 3754729.196 487153.781 3754759.316
   AREAVERT PHASE1       487138.721 3755010.324
** LINE VOLUME SOURCE ID = SEGMENT01
   SRCPARAM L0113333     0.0631666667      2.10     27.35      0.49
   SRCPARAM L0113334     0.0631666667      2.10     27.35      0.49
   SRCPARAM L0113335     0.0631666667      2.10     27.35      0.49
   SRCPARAM L0113336     0.0631666667      2.10     27.35      0.49
   SRCPARAM L0113337     0.0631666667      2.10     27.35      0.49
   SRCPARAM L0113338     0.0631666667      2.10     27.35      0.49
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT02
   SRCPARAM L0113339          0.08      2.10     30.03      0.49
   SRCPARAM L0113340          0.08      2.10     30.03      0.49
   SRCPARAM L0113341          0.08      2.10     30.03      0.49
   SRCPARAM L0113342          0.08      2.10     30.03      0.49
   SRCPARAM L0113343          0.08      2.10     30.03      0.49
   SRCPARAM L0113344          0.08      2.10     30.03      0.49
   SRCPARAM L0113345          0.08      2.10     30.03      0.49
   SRCPARAM L0113346          0.08      2.10     30.03      0.49
   SRCPARAM L0113347          0.08      2.10     30.03      0.49
   SRCPARAM L0113348          0.08      2.10     30.03      0.49
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT03
   SRCPARAM L0113349     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113350     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113351     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113352     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113353     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113354     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113355     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113356     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113357     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113358     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113359     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113360     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113361     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113362     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113363     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113364     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113365     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113366     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113367     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113368     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113369     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113370     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113371     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113372     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113373     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113374     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113375     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113376     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113377     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113378     0.0180645161      2.10     18.01      0.49
   SRCPARAM L0113379     0.0180645161      2.10     18.01      0.49
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT04
   SRCPARAM L0113380       0.01072      1.20     17.72      0.28
   SRCPARAM L0113381       0.01072      1.20     17.72      0.28
   SRCPARAM L0113382       0.01072      1.20     17.72      0.28
   SRCPARAM L0113383       0.01072      1.20     17.72      0.28
   SRCPARAM L0113384       0.01072      1.20     17.72      0.28
   SRCPARAM L0113385       0.01072      1.20     17.72      0.28
   SRCPARAM L0113386       0.01072      1.20     17.72      0.28
   SRCPARAM L0113387       0.01072      1.20     17.72      0.28
   SRCPARAM L0113388       0.01072      1.20     17.72      0.28
   SRCPARAM L0113389       0.01072      1.20     17.72      0.28
   SRCPARAM L0113390       0.01072      1.20     17.72      0.28
   SRCPARAM L0113391       0.01072      1.20     17.72      0.28
   SRCPARAM L0113392       0.01072      1.20     17.72      0.28
   SRCPARAM L0113393       0.01072      1.20     17.72      0.28
   SRCPARAM L0113394       0.01072      1.20     17.72      0.28
   SRCPARAM L0113395       0.01072      1.20     17.72      0.28
   SRCPARAM L0113396       0.01072      1.20     17.72      0.28
   SRCPARAM L0113397       0.01072      1.20     17.72      0.28
   SRCPARAM L0113398       0.01072      1.20     17.72      0.28
   SRCPARAM L0113399       0.01072      1.20     17.72      0.28
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   SRCPARAM L0113400       0.01072      1.20     17.72      0.28
   SRCPARAM L0113401       0.01072      1.20     17.72      0.28
   SRCPARAM L0113402       0.01072      1.20     17.72      0.28
   SRCPARAM L0113403       0.01072      1.20     17.72      0.28
   SRCPARAM L0113404       0.01072      1.20     17.72      0.28
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT05
   SRCPARAM L0113405     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113406     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113407     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113408     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113409     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113410     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113411     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113412     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113413     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113414     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113415     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113416     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113417     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113418     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113419     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113420     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113421     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113422     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113423     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113424     0.0204761905      1.10     24.05      0.26
   SRCPARAM L0113425     0.0204761905      1.10     24.05      0.26
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT06
   SRCPARAM L0113426     0.0353684211      2.00     29.19      0.47
   SRCPARAM L0113427     0.0353684211      2.00     29.19      0.47
   SRCPARAM L0113428     0.0353684211      2.00     29.19      0.47
   SRCPARAM L0113429     0.0353684211      2.00     29.19      0.47
   SRCPARAM L0113430     0.0353684211      2.00     29.19      0.47
   SRCPARAM L0113431     0.0353684211      2.00     29.19      0.47
   SRCPARAM L0113432     0.0353684211      2.00     29.19      0.47
   SRCPARAM L0113433     0.0353684211      2.00     29.19      0.47
   SRCPARAM L0113434     0.0353684211      2.00     29.19      0.47
   SRCPARAM L0113435     0.0353684211      2.00     29.19      0.47
   SRCPARAM L0113436     0.0353684211      2.00     29.19      0.47
   SRCPARAM L0113437     0.0353684211      2.00     29.19      0.47
   SRCPARAM L0113438     0.0353684211      2.00     29.19      0.47
   SRCPARAM L0113439     0.0353684211      2.00     29.19      0.47
   SRCPARAM L0113440     0.0353684211      2.00     29.19      0.47
   SRCPARAM L0113441     0.0353684211      2.00     29.19      0.47
   SRCPARAM L0113442     0.0353684211      2.00     29.19      0.47
   SRCPARAM L0113443     0.0353684211      2.00     29.19      0.47
   SRCPARAM L0113444     0.0353684211      2.00     29.19      0.47
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT07
   SRCPARAM L0113445     0.0090666667      1.80     29.21      0.42
   SRCPARAM L0113446     0.0090666667      1.80     29.21      0.42
   SRCPARAM L0113447     0.0090666667      1.80     29.21      0.42
   SRCPARAM L0113448     0.0090666667      1.80     29.21      0.42
   SRCPARAM L0113449     0.0090666667      1.80     29.21      0.42
   SRCPARAM L0113450     0.0090666667      1.80     29.21      0.42
   SRCPARAM L0113451     0.0090666667      1.80     29.21      0.42
   SRCPARAM L0113452     0.0090666667      1.80     29.21      0.42
   SRCPARAM L0113453     0.0090666667      1.80     29.21      0.42
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT08
   SRCPARAM L0113454     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113455     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113456     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113457     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113458     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113459     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113460     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113461     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113462     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113463     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113464     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113465     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113466     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113467     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113468     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113469     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113470     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113471     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113472     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113473     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113474     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113475     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113476     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113477     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113478     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113479     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113480     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113481     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113482     0.0174333333      1.10     18.01      0.26
   SRCPARAM L0113483     0.0174333333      1.10     18.01      0.26
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT11
   SRCPARAM L0112769     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112770     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112771     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112772     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112773     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112774     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112775     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112776     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112777     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112778     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112779     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112780     -0.0035555556      1.00     15.74      0.23
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   SRCPARAM L0112781     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112782     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112783     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112784     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112785     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112786     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112787     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112788     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112789     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112790     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112791     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112792     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112793     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112794     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112795     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112796     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112797     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112798     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112799     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112800     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112801     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112802     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112803     -0.0035555556      1.00     15.74      0.23
   SRCPARAM L0112804     -0.0035555556      1.00     15.74      0.23
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT12
   SRCPARAM L0113484       0.00052      1.10     15.63      0.26
   SRCPARAM L0113485       0.00052      1.10     15.63      0.26
   SRCPARAM L0113486       0.00052      1.10     15.63      0.26
   SRCPARAM L0113487       0.00052      1.10     15.63      0.26
   SRCPARAM L0113488       0.00052      1.10     15.63      0.26
   SRCPARAM L0113489       0.00052      1.10     15.63      0.26
   SRCPARAM L0113490       0.00052      1.10     15.63      0.26
   SRCPARAM L0113491       0.00052      1.10     15.63      0.26
   SRCPARAM L0113492       0.00052      1.10     15.63      0.26
   SRCPARAM L0113493       0.00052      1.10     15.63      0.26
   SRCPARAM L0113494       0.00052      1.10     15.63      0.26
   SRCPARAM L0113495       0.00052      1.10     15.63      0.26
   SRCPARAM L0113496       0.00052      1.10     15.63      0.26
   SRCPARAM L0113497       0.00052      1.10     15.63      0.26
   SRCPARAM L0113498       0.00052      1.10     15.63      0.26
   SRCPARAM L0113499       0.00052      1.10     15.63      0.26
   SRCPARAM L0113500       0.00052      1.10     15.63      0.26
   SRCPARAM L0113501       0.00052      1.10     15.63      0.26
   SRCPARAM L0113502       0.00052      1.10     15.63      0.26
   SRCPARAM L0113503       0.00052      1.10     15.63      0.26
   SRCPARAM L0113504       0.00052      1.10     15.63      0.26
   SRCPARAM L0113505       0.00052      1.10     15.63      0.26
   SRCPARAM L0113506       0.00052      1.10     15.63      0.26
   SRCPARAM L0113507       0.00052      1.10     15.63      0.26
   SRCPARAM L0113508       0.00052      1.10     15.63      0.26
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT14
   SRCPARAM L0113509     0.0101666667      1.80     23.83      0.42
   SRCPARAM L0113510     0.0101666667      1.80     23.83      0.42
   SRCPARAM L0113511     0.0101666667      1.80     23.83      0.42
   SRCPARAM L0113512     0.0101666667      1.80     23.83      0.42
   SRCPARAM L0113513     0.0101666667      1.80     23.83      0.42
   SRCPARAM L0113514     0.0101666667      1.80     23.83      0.42
   SRCPARAM L0113515     0.0101666667      1.80     23.83      0.42
   SRCPARAM L0113516     0.0101666667      1.80     23.83      0.42
   SRCPARAM L0113517     0.0101666667      1.80     23.83      0.42
   SRCPARAM L0113518     0.0101666667      1.80     23.83      0.42
   SRCPARAM L0113519     0.0101666667      1.80     23.83      0.42
   SRCPARAM L0113520     0.0101666667      1.80     23.83      0.42
   SRCPARAM L0113521     0.0101666667      1.80     23.83      0.42
   SRCPARAM L0113522     0.0101666667      1.80     23.83      0.42
   SRCPARAM L0113523     0.0101666667      1.80     23.83      0.42
   SRCPARAM L0113524     0.0101666667      1.80     23.83      0.42
   SRCPARAM L0113525     0.0101666667      1.80     23.83      0.42
   SRCPARAM L0113526     0.0101666667      1.80     23.83      0.42
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT15
   SRCPARAM L0113527     0.0041533333      1.90     23.51      0.44
   SRCPARAM L0113528     0.0041533333      1.90     23.51      0.44
   SRCPARAM L0113529     0.0041533333      1.90     23.51      0.44
   SRCPARAM L0113530     0.0041533333      1.90     23.51      0.44
   SRCPARAM L0113531     0.0041533333      1.90     23.51      0.44
   SRCPARAM L0113532     0.0041533333      1.90     23.51      0.44
   SRCPARAM L0113533     0.0041533333      1.90     23.51      0.44
   SRCPARAM L0113534     0.0041533333      1.90     23.51      0.44
   SRCPARAM L0113535     0.0041533333      1.90     23.51      0.44
   SRCPARAM L0113536     0.0041533333      1.90     23.51      0.44
   SRCPARAM L0113537     0.0041533333      1.90     23.51      0.44
   SRCPARAM L0113538     0.0041533333      1.90     23.51      0.44
   SRCPARAM L0113539     0.0041533333      1.90     23.51      0.44
   SRCPARAM L0113540     0.0041533333      1.90     23.51      0.44
   SRCPARAM L0113541     0.0041533333      1.90     23.51      0.44
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT18
   SRCPARAM L0113542     0.0039375      1.90     23.38      0.44
   SRCPARAM L0113543     0.0039375      1.90     23.38      0.44
   SRCPARAM L0113544     0.0039375      1.90     23.38      0.44
   SRCPARAM L0113545     0.0039375      1.90     23.38      0.44
   SRCPARAM L0113546     0.0039375      1.90     23.38      0.44
   SRCPARAM L0113547     0.0039375      1.90     23.38      0.44
   SRCPARAM L0113548     0.0039375      1.90     23.38      0.44
   SRCPARAM L0113549     0.0039375      1.90     23.38      0.44
   SRCPARAM L0113550     0.0039375      1.90     23.38      0.44
   SRCPARAM L0113551     0.0039375      1.90     23.38      0.44
   SRCPARAM L0113552     0.0039375      1.90     23.38      0.44
   SRCPARAM L0113553     0.0039375      1.90     23.38      0.44
   SRCPARAM L0113554     0.0039375      1.90     23.38      0.44
   SRCPARAM L0113555     0.0039375      1.90     23.38      0.44
   SRCPARAM L0113556     0.0039375      1.90     23.38      0.44
   SRCPARAM L0113557     0.0039375      1.90     23.38      0.44
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** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT18A
   SRCPARAM L0113558     0.0016692308      1.70     24.10      0.40
   SRCPARAM L0113559     0.0016692308      1.70     24.10      0.40
   SRCPARAM L0113560     0.0016692308      1.70     24.10      0.40
   SRCPARAM L0113561     0.0016692308      1.70     24.10      0.40
   SRCPARAM L0113562     0.0016692308      1.70     24.10      0.40
   SRCPARAM L0113563     0.0016692308      1.70     24.10      0.40
   SRCPARAM L0113564     0.0016692308      1.70     24.10      0.40
   SRCPARAM L0113565     0.0016692308      1.70     24.10      0.40
   SRCPARAM L0113566     0.0016692308      1.70     24.10      0.40
   SRCPARAM L0113567     0.0016692308      1.70     24.10      0.40
   SRCPARAM L0113568     0.0016692308      1.70     24.10      0.40
   SRCPARAM L0113569     0.0016692308      1.70     24.10      0.40
   SRCPARAM L0113570     0.0016692308      1.70     24.10      0.40
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT19
   SRCPARAM L0113571     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113572     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113573     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113574     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113575     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113576     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113577     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113578     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113579     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113580     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113581     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113582     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113583     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113584     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113585     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113586     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113587     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113588     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113589     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113590     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113591     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113592     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113593     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113594     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113595     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113596     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113597     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113598     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113599     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113600     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113601     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113602     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113603     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113604     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113605     0.0061666667      2.10     17.64      0.49
   SRCPARAM L0113606     0.0061666667      2.10     17.64      0.49
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT20
   SRCPARAM L0113607     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113608     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113609     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113610     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113611     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113612     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113613     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113614     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113615     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113616     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113617     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113618     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113619     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113620     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113621     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113622     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113623     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113624     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113625     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113626     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113627     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113628     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113629     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113630     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113631     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113632     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113633     0.0026071429      1.20     18.04      0.28
   SRCPARAM L0113634     0.0026071429      1.20     18.04      0.28
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT21
   SRCPARAM L0113635         0.0215      1.70     22.81      0.40
   SRCPARAM L0113636         0.0215      1.70     22.81      0.40
   SRCPARAM L0113637         0.0215      1.70     22.81      0.40
   SRCPARAM L0113638         0.0215      1.70     22.81      0.40
   SRCPARAM L0113639         0.0215      1.70     22.81      0.40
   SRCPARAM L0113640         0.0215      1.70     22.81      0.40
   SRCPARAM L0113641         0.0215      1.70     22.81      0.40
   SRCPARAM L0113642         0.0215      1.70     22.81      0.40
   SRCPARAM L0113643         0.0215      1.70     22.81      0.40
   SRCPARAM L0113644         0.0215      1.70     22.81      0.40
   SRCPARAM L0113645         0.0215      1.70     22.81      0.40
   SRCPARAM L0113646         0.0215      1.70     22.81      0.40
   SRCPARAM L0113647         0.0215      1.70     22.81      0.40
   SRCPARAM L0113648         0.0215      1.70     22.81      0.40
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT22
   SRCPARAM L0113649     0.0267857143      1.70     24.24      0.40
   SRCPARAM L0113650     0.0267857143      1.70     24.24      0.40
   SRCPARAM L0113651     0.0267857143      1.70     24.24      0.40
   SRCPARAM L0113652     0.0267857143      1.70     24.24      0.40
   SRCPARAM L0113653     0.0267857143      1.70     24.24      0.40
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   SRCPARAM L0113654     0.0267857143      1.70     24.24      0.40
   SRCPARAM L0113655     0.0267857143      1.70     24.24      0.40
   SRCPARAM L0113656     0.0267857143      1.70     24.24      0.40
   SRCPARAM L0113657     0.0267857143      1.70     24.24      0.40
   SRCPARAM L0113658     0.0267857143      1.70     24.24      0.40
   SRCPARAM L0113659     0.0267857143      1.70     24.24      0.40
   SRCPARAM L0113660     0.0267857143      1.70     24.24      0.40
   SRCPARAM L0113661     0.0267857143      1.70     24.24      0.40
   SRCPARAM L0113662     0.0267857143      1.70     24.24      0.40
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT23
   SRCPARAM L0113663     0.0106666667      1.80     18.10      0.42
   SRCPARAM L0113664     0.0106666667      1.80     18.10      0.42
   SRCPARAM L0113665     0.0106666667      1.80     18.10      0.42
   SRCPARAM L0113666     0.0106666667      1.80     18.10      0.42
   SRCPARAM L0113667     0.0106666667      1.80     18.10      0.42
   SRCPARAM L0113668     0.0106666667      1.80     18.10      0.42
   SRCPARAM L0113669     0.0106666667      1.80     18.10      0.42
   SRCPARAM L0113670     0.0106666667      1.80     18.10      0.42
   SRCPARAM L0113671     0.0106666667      1.80     18.10      0.42
   SRCPARAM L0113672     0.0106666667      1.80     18.10      0.42
   SRCPARAM L0113673     0.0106666667      1.80     18.10      0.42
   SRCPARAM L0113674     0.0106666667      1.80     18.10      0.42
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT24
   SRCPARAM L0113675     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113676     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113677     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113678     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113679     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113680     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113681     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113682     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113683     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113684     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113685     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113686     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113687     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113688     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113689     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113690     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113691     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113692     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113693     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113694     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113695     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113696     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113697     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113698     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113699     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113700     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113701     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113702     0.0128965517      1.50     23.53      0.35
   SRCPARAM L0113703     0.0128965517      1.50     23.53      0.35
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT25
   SRCPARAM L0113704     0.0166666667      1.80     22.24      0.42
   SRCPARAM L0113705     0.0166666667      1.80     22.24      0.42
   SRCPARAM L0113706     0.0166666667      1.80     22.24      0.42
   SRCPARAM L0113707     0.0166666667      1.80     22.24      0.42
   SRCPARAM L0113708     0.0166666667      1.80     22.24      0.42
   SRCPARAM L0113709     0.0166666667      1.80     22.24      0.42
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT26
   SRCPARAM L0113710     0.0074615385      1.90     15.51      0.44
   SRCPARAM L0113711     0.0074615385      1.90     15.51      0.44
   SRCPARAM L0113712     0.0074615385      1.90     15.51      0.44
   SRCPARAM L0113713     0.0074615385      1.90     15.51      0.44
   SRCPARAM L0113714     0.0074615385      1.90     15.51      0.44
   SRCPARAM L0113715     0.0074615385      1.90     15.51      0.44
   SRCPARAM L0113716     0.0074615385      1.90     15.51      0.44
   SRCPARAM L0113717     0.0074615385      1.90     15.51      0.44
   SRCPARAM L0113718     0.0074615385      1.90     15.51      0.44
   SRCPARAM L0113719     0.0074615385      1.90     15.51      0.44
   SRCPARAM L0113720     0.0074615385      1.90     15.51      0.44
   SRCPARAM L0113721     0.0074615385      1.90     15.51      0.44
   SRCPARAM L0113722     0.0074615385      1.90     15.51      0.44
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT27
   SRCPARAM L0113723     0.0056272727      1.90     15.35      0.44
   SRCPARAM L0113724     0.0056272727      1.90     15.35      0.44
   SRCPARAM L0113725     0.0056272727      1.90     15.35      0.44
   SRCPARAM L0113726     0.0056272727      1.90     15.35      0.44
   SRCPARAM L0113727     0.0056272727      1.90     15.35      0.44
   SRCPARAM L0113728     0.0056272727      1.90     15.35      0.44
   SRCPARAM L0113729     0.0056272727      1.90     15.35      0.44
   SRCPARAM L0113730     0.0056272727      1.90     15.35      0.44
   SRCPARAM L0113731     0.0056272727      1.90     15.35      0.44
   SRCPARAM L0113732     0.0056272727      1.90     15.35      0.44
   SRCPARAM L0113733     0.0056272727      1.90     15.35      0.44
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT28
   SRCPARAM L0113734     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113735     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113736     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113737     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113738     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113739     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113740     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113741     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113742     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113743     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113744     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113745     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113746     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113747     0.0035909091      1.90     15.60      0.44
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   SRCPARAM L0113748     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113749     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113750     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113751     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113752     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113753     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113754     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113755     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113756     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113757     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113758     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113759     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113760     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113761     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113762     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113763     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113764     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113765     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113766     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113767     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113768     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113769     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113770     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113771     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113772     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113773     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113774     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113775     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113776     0.0035909091      1.90     15.60      0.44
   SRCPARAM L0113777     0.0035909091      1.90     15.60      0.44
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT29
   SRCPARAM L0113778     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113779     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113780     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113781     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113782     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113783     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113784     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113785     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113786     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113787     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113788     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113789     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113790     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113791     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113792     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113793     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113794     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113795     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113796     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113797     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113798     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113799     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113800     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113801     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113802     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113803     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113804     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113805     0.0016896552      2.10      9.20      0.49
   SRCPARAM L0113806     0.0016896552      2.10      9.20      0.49
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT30
   SRCPARAM L0113807     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113808     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113809     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113810     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113811     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113812     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113813     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113814     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113815     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113816     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113817     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113818     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113819     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113820     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113821     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113822     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113823     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113824     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113825     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113826     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113827     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113828     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113829     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113830     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113831     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113832     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113833     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113834     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113835     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113836     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113837     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113838     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113839     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113840     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113841     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113842     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113843     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113844     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113845     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113846     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113847     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113848     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113849     0.0020458716      2.00      9.32      0.47
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   SRCPARAM L0113850     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113851     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113852     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113853     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113854     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113855     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113856     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113857     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113858     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113859     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113860     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113861     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113862     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113863     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113864     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113865     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113866     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113867     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113868     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113869     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113870     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113871     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113872     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113873     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113874     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113875     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113876     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113877     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113878     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113879     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113880     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113881     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113882     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113883     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113884     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113885     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113886     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113887     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113888     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113889     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113890     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113891     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113892     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113893     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113894     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113895     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113896     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113897     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113898     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113899     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113900     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113901     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113902     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113903     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113904     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113905     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113906     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113907     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113908     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113909     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113910     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113911     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113912     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113913     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113914     0.0020458716      2.00      9.32      0.47
   SRCPARAM L0113915     0.0020458716      2.00      9.32      0.47
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT31
   SRCPARAM L0113916     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113917     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113918     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113919     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113920     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113921     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113922     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113923     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113924     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113925     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113926     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113927     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113928     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113929     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113930     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113931     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113932     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113933     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113934     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113935     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113936     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113937     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113938     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113939     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113940     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113941     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113942     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113943     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113944     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113945     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113946     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113947     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113948     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113949     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113950     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113951     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113952     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113953     0.0005384615      1.20      9.38      0.28
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   SRCPARAM L0113954     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113955     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113956     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113957     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113958     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113959     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113960     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113961     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113962     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113963     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113964     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113965     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113966     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113967     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113968     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113969     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113970     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113971     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113972     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113973     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113974     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113975     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113976     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113977     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113978     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113979     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113980     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113981     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113982     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113983     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113984     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113985     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113986     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113987     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113988     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113989     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113990     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113991     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113992     0.0005384615      1.20      9.38      0.28
   SRCPARAM L0113993     0.0005384615      1.20      9.38      0.28
** ---------------------------------------------------------------------
   SRCPARAM PHASE2        6.02E-07     2.600       24
   AREAVERT PHASE2       485955.126 3753354.752 485960.607 3752757.752
   AREAVERT PHASE2       487265.046 3752735.752 487270.339 3752537.752
   AREAVERT PHASE2       488306.339 3752532.752 488311.339 3752861.752
   AREAVERT PHASE2       489243.339 3752833.752 489248.339 3752439.752
   AREAVERT PHASE2       491062.339 3752444.752 490854.339 3752883.752
   AREAVERT PHASE2       490487.339 3753222.752 488733.750 3754233.804
   AREAVERT PHASE2       488611.086 3754487.983 488405.339 3754467.752
   AREAVERT PHASE2       487997.339 3755020.752 487759.339 3755283.752
   AREAVERT PHASE2       487242.339 3755300.752 487234.339 3755007.752
   AREAVERT PHASE2       487990.339 3755019.752 488170.339 3754780.752
   AREAVERT PHASE2       488472.339 3754353.752 488465.339 3753305.752
   AREAVERT PHASE2       487133.339 3753283.752 486826.339 3753359.752
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD RECEPTOR PATHWAY
****************************************
**
**
RE STARTING
   INCLUDED AERMOD_LDT_CO_2012_NR.ROU
RE FINISHED
**
****************************************
** AERMOD METEOROLOGY PATHWAY
****************************************
**
**
ME STARTING
   SURFFILE RIVR2.SFC
   PROFFILE RIVR2.PFL
   SURFDATA 00002 2005
   UAIRDATA 3190 2005
   PROFBASE 250.0 METERS
ME FINISHED
**
****************************************
** AERMOD OUTPUT PATHWAY
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** AUTO-GENERATED PLOTFILES
   PLOTFILE   1 ALL 1ST AERMOD_LDT_CO_2012_NR.AD\01H1GALL.PLT 31
   PLOTFILE   8 ALL 1ST AERMOD_LDT_CO_2012_NR.AD\08H1GALL.PLT 32
   SUMMFILE AERMOD_LDT_CO_2012_NR.SUM
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
```

```
            ***  NONE  ***


   ********   WARNING MESSAGES   ********
ME W530    1986 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

***********************************
*** SETUP Finishes Successfully ***
***********************************

♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                   *** CO - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:01:49
                                                                                                                      PAGE   1
**MODELOPTs:  NonDFAULT CONC                                                ELEV
                        FASTALL

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

**Model Is Setup For Calculation of Average CONCentration Values.

  --  DEPOSITION LOGIC  --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
**Model Uses NO WET DEPLETION.  WETDPLT  =  F

**Model Uses URBAN Dispersion Algorithm for the SBL for   699 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =   2000000.0 ;  Urban Roughness Length =  1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTALL  - Use effective sigma-y to optimize meander for
                   POINT and VOLUME sources, and hybrid approach
                   to optimize AREA sources (formerly TOXICS option)

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates  2 Short Term Average(s) of:   1-HR   8-HR

**This Run Includes:    699 Source(s);       1 Source Group(s); and    1873 Receptor(s)

**The Model Assumes A Pollutant Type of:  CO

**Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   250.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      4.4 MB of RAM.

**Detailed Error/Message File:   AERMOD_LDT_CO_2012_NR.ERR
**File for Summary of Results:   AERMOD_LDT_CO_2012_NR.SUM
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                   *** CO - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:01:49
                                                                                                                      PAGE   2
**MODELOPTs:  NonDFAULT CONC                                                ELEV
                        FASTALL


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.   URBAN  EMISSION RATE
  SOURCE       PART.  (GRAMS/SEC)     X         Y      ELEV.   HEIGHT      SY       SZ    SOURCE  SCALAR VARY
    ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)              BY
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

L0113333         0   0.63167E-01  487123.6 3755406.2   540.0     2.10    27.35     0.49     YES
L0113334         0   0.63167E-01  487123.6 3755347.4   542.8     2.10    27.35     0.49     YES
L0113335         0   0.63167E-01  487123.6 3755288.6   541.8     2.10    27.35     0.49     YES
L0113336         0   0.63167E-01  487123.6 3755229.8   539.1     2.10    27.35     0.49     YES
L0113337         0   0.63167E-01  487123.6 3755171.0   535.1     2.10    27.35     0.49     YES
L0113338         0   0.63167E-01  487123.6 3755112.2   532.2     2.10    27.35     0.49     YES
L0113339         0   0.80000E-01  487126.2 3755042.4   529.7     2.10    30.03     0.49     YES
L0113340         0   0.80000E-01  487126.5 3754977.8   531.8     2.10    30.03     0.49     YES
L0113341         0   0.80000E-01  487126.8 3754913.2   524.9     2.10    30.03     0.49     YES
L0113342         0   0.80000E-01  487127.0 3754848.7   523.2     2.10    30.03     0.49     YES
L0113343         0   0.80000E-01  487127.3 3754784.1   524.1     2.10    30.03     0.49     YES
L0113344         0   0.80000E-01  487127.6 3754719.5   520.9     2.10    30.03     0.49     YES
L0113345         0   0.80000E-01  487127.9 3754655.0   516.3     2.10    30.03     0.49     YES
L0113346         0   0.80000E-01  487128.2 3754590.4   514.4     2.10    30.03     0.49     YES
L0113347         0   0.80000E-01  487128.4 3754525.9   509.1     2.10    30.03     0.49     YES
L0113348         0   0.80000E-01  487128.7 3754461.3   506.8     2.10    30.03     0.49     YES
L0113349         0   0.18065E-01  487113.8 3754444.9   507.8     2.10    18.01     0.49     YES
L0113350         0   0.18065E-01  487075.0 3754445.3   511.3     2.10    18.01     0.49     YES
L0113351         0   0.18065E-01  487036.3 3754445.6   512.1     2.10    18.01     0.49     YES
L0113352         0   0.18065E-01  486997.6 3754445.9   512.1     2.10    18.01     0.49     YES
L0113353         0   0.18065E-01  486958.9 3754446.2   513.2     2.10    18.01     0.49     YES
                                                                Page 20
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L0113354	0	0.18065E-01	486920.1	3754446.6	514.0	2.10	18.01	0.49	YES
L0113355	0	0.18065E-01	486881.4	3754446.9	514.8	2.10	18.01	0.49	YES
L0113356	0	0.18065E-01	486842.7	3754447.2	515.9	2.10	18.01	0.49	YES
L0113357	0	0.18065E-01	486804.0	3754447.5	515.4	2.10	18.01	0.49	YES
L0113358	0	0.18065E-01	486765.3	3754447.9	516.1	2.10	18.01	0.49	YES
L0113359	0	0.18065E-01	486726.5	3754448.2	515.7	2.10	18.01	0.49	YES
L0113360	0	0.18065E-01	486687.8	3754448.5	514.3	2.10	18.01	0.49	YES
L0113361	0	0.18065E-01	486649.1	3754448.8	514.3	2.10	18.01	0.49	YES
L0113362	0	0.18065E-01	486610.4	3754449.2	514.9	2.10	18.01	0.49	YES
L0113363	0	0.18065E-01	486571.6	3754449.5	515.3	2.10	18.01	0.49	YES
L0113364	0	0.18065E-01	486532.9	3754449.8	514.6	2.10	18.01	0.49	YES
L0113365	0	0.18065E-01	486494.2	3754450.1	515.0	2.10	18.01	0.49	YES
L0113366	0	0.18065E-01	486455.5	3754450.5	514.5	2.10	18.01	0.49	YES
L0113367	0	0.18065E-01	486416.7	3754450.8	513.4	2.10	18.01	0.49	YES
L0113368	0	0.18065E-01	486378.0	3754451.1	513.4	2.10	18.01	0.49	YES
L0113369	0	0.18065E-01	486339.3	3754451.4	514.1	2.10	18.01	0.49	YES
L0113370	0	0.18065E-01	486300.6	3754451.8	515.0	2.10	18.01	0.49	YES
L0113371	0	0.18065E-01	486261.8	3754452.1	516.3	2.10	18.01	0.49	YES
L0113372	0	0.18065E-01	486223.1	3754452.4	516.8	2.10	18.01	0.49	YES

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0113373	0	0.18065E-01	486184.7	3754451.5	514.9	2.10	18.01	0.49	YES	
L0113374	0	0.18065E-01	486151.5	3754431.5	512.5	2.10	18.01	0.49	YES	
L0113375	0	0.18065E-01	486118.3	3754411.6	510.2	2.10	18.01	0.49	YES	
L0113376	0	0.18065E-01	486085.1	3754391.7	509.3	2.10	18.01	0.49	YES	
L0113377	0	0.18065E-01	486051.9	3754371.8	509.0	2.10	18.01	0.49	YES	
L0113378	0	0.18065E-01	486030.1	3754341.3	509.3	2.10	18.01	0.49	YES	
L0113379	0	0.18065E-01	486012.8	3754306.6	509.9	2.10	18.01	0.49	YES	
L0113380	0	0.10720E-01	486005.7	3754293.4	510.6	1.20	17.72	0.28	YES	
L0113381	0	0.10720E-01	486005.3	3754255.3	509.5	1.20	17.72	0.28	YES	
L0113382	0	0.10720E-01	486004.9	3754217.2	507.6	1.20	17.72	0.28	YES	
L0113383	0	0.10720E-01	486004.6	3754179.1	507.9	1.20	17.72	0.28	YES	
L0113384	0	0.10720E-01	486004.2	3754141.1	508.0	1.20	17.72	0.28	YES	
L0113385	0	0.10720E-01	486003.8	3754103.0	506.8	1.20	17.72	0.28	YES	
L0113386	0	0.10720E-01	486003.4	3754064.9	506.3	1.20	17.72	0.28	YES	
L0113387	0	0.10720E-01	486003.1	3754026.8	505.2	1.20	17.72	0.28	YES	
L0113388	0	0.10720E-01	486002.7	3753988.7	505.0	1.20	17.72	0.28	YES	
L0113389	0	0.10720E-01	486002.3	3753950.6	504.1	1.20	17.72	0.28	YES	
L0113390	0	0.10720E-01	486001.9	3753912.5	503.4	1.20	17.72	0.28	YES	
L0113391	0	0.10720E-01	486001.5	3753874.4	502.2	1.20	17.72	0.28	YES	
L0113392	0	0.10720E-01	486001.2	3753836.3	500.9	1.20	17.72	0.28	YES	
L0113393	0	0.10720E-01	486000.8	3753798.2	499.6	1.20	17.72	0.28	YES	
L0113394	0	0.10720E-01	486000.4	3753760.2	499.7	1.20	17.72	0.28	YES	
L0113395	0	0.10720E-01	486000.0	3753722.1	501.9	1.20	17.72	0.28	YES	
L0113396	0	0.10720E-01	485999.6	3753684.0	501.6	1.20	17.72	0.28	YES	
L0113397	0	0.10720E-01	485999.3	3753645.9	499.0	1.20	17.72	0.28	YES	
L0113398	0	0.10720E-01	485998.9	3753607.8	496.5	1.20	17.72	0.28	YES	
L0113399	0	0.10720E-01	485998.5	3753569.7	496.0	1.20	17.72	0.28	YES	
L0113400	0	0.10720E-01	485998.1	3753531.6	496.5	1.20	17.72	0.28	YES	
L0113401	0	0.10720E-01	486006.9	3753496.0	495.3	1.20	17.72	0.28	YES	
L0113402	0	0.10720E-01	486026.7	3753463.5	492.8	1.20	17.72	0.28	YES	
L0113403	0	0.10720E-01	486046.5	3753431.0	491.4	1.20	17.72	0.28	YES	
L0113404	0	0.10720E-01	486066.3	3753398.4	492.3	1.20	17.72	0.28	YES	
L0113405	0	0.20476E-01	486083.6	3753385.4	493.6	1.10	24.05	0.26	YES	
L0113406	0	0.20476E-01	486132.0	3753367.1	494.7	1.10	24.05	0.26	YES	
L0113407	0	0.20476E-01	486182.6	3753360.8	493.9	1.10	24.05	0.26	YES	
L0113408	0	0.20476E-01	486234.3	3753360.1	492.2	1.10	24.05	0.26	YES	
L0113409	0	0.20476E-01	486286.0	3753359.4	493.5	1.10	24.05	0.26	YES	
L0113410	0	0.20476E-01	486337.7	3753358.7	494.0	1.10	24.05	0.26	YES	
L0113411	0	0.20476E-01	486389.4	3753358.0	493.9	1.10	24.05	0.26	YES	
L0113412	0	0.20476E-01	486441.1	3753357.4	497.5	1.10	24.05	0.26	YES	

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0113413	0	0.20476E-01	486492.9	3753356.7	495.6	1.10	24.05	0.26	YES	
L0113414	0	0.20476E-01	486544.6	3753356.0	494.9	1.10	24.05	0.26	YES	
L0113415	0	0.20476E-01	486596.3	3753355.3	494.1	1.10	24.05	0.26	YES	
L0113416	0	0.20476E-01	486648.0	3753354.6	495.0	1.10	24.05	0.26	YES	
L0113417	0	0.20476E-01	486699.7	3753353.9	494.6	1.10	24.05	0.26	YES	
L0113418	0	0.20476E-01	486751.2	3753351.7	494.7	1.10	24.05	0.26	YES	
L0113419	0	0.20476E-01	486801.8	3753341.0	492.7	1.10	24.05	0.26	YES	
L0113420	0	0.20476E-01	486852.4	3753330.4	491.0	1.10	24.05	0.26	YES	
L0113421	0	0.20476E-01	486903.0	3753319.8	491.7	1.10	24.05	0.26	YES	
L0113422	0	0.20476E-01	486953.6	3753309.2	491.4	1.10	24.05	0.26	YES	
L0113423	0	0.20476E-01	487004.2	3753298.6	492.0	1.10	24.05	0.26	YES	
L0113424	0	0.20476E-01	487054.8	3753288.0	490.8	1.10	24.05	0.26	YES	
L0113425	0	0.20476E-01	487105.5	3753277.3	489.2	1.10	24.05	0.26	YES	
L0113426	0	0.35368E-01	487123.3	3754433.6	507.4	2.00	29.19	0.47	YES	
L0113427	0	0.35368E-01	487122.3	3754370.9	509.6	2.00	29.19	0.47	YES	
L0113428	0	0.35368E-01	487121.3	3754308.1	508.2	2.00	29.19	0.47	YES	
L0113429	0	0.35368E-01	487120.3	3754245.4	509.8	2.00	29.19	0.47	YES	
L0113430	0	0.35368E-01	487119.3	3754182.7	507.2	2.00	29.19	0.47	YES	
L0113431	0	0.35368E-01	487118.3	3754119.9	505.1	2.00	29.19	0.47	YES	

L0113432	0	0.35368E-01	487117.3	3754057.2	504.8	2.00	29.19	0.47	YES
L0113433	0	0.35368E-01	487116.3	3753994.4	501.9	2.00	29.19	0.47	YES
L0113434	0	0.35368E-01	487115.3	3753931.7	501.0	2.00	29.19	0.47	YES
L0113435	0	0.35368E-01	487114.3	3753868.9	501.0	2.00	29.19	0.47	YES
L0113436	0	0.35368E-01	487113.4	3753806.2	496.9	2.00	29.19	0.47	YES
L0113437	0	0.35368E-01	487112.4	3753743.4	499.2	2.00	29.19	0.47	YES
L0113438	0	0.35368E-01	487111.4	3753680.7	498.7	2.00	29.19	0.47	YES
L0113439	0	0.35368E-01	487110.4	3753618.0	497.6	2.00	29.19	0.47	YES
L0113440	0	0.35368E-01	487109.4	3753555.2	496.0	2.00	29.19	0.47	YES
L0113441	0	0.35368E-01	487108.4	3753492.5	496.0	2.00	29.19	0.47	YES
L0113442	0	0.35368E-01	487107.4	3753429.7	494.7	2.00	29.19	0.47	YES
L0113443	0	0.35368E-01	487106.4	3753367.0	489.3	2.00	29.19	0.47	YES
L0113444	0	0.35368E-01	487105.4	3753304.2	489.1	2.00	29.19	0.47	YES
L0113445	0	0.90667E-02	487102.6	3753284.4	489.2	1.80	29.21	0.42	YES
L0113446	0	0.90667E-02	487102.9	3753221.6	489.6	1.80	29.21	0.42	YES
L0113447	0	0.90667E-02	487103.2	3753158.8	486.8	1.80	29.21	0.42	YES
L0113448	0	0.90667E-02	487103.5	3753096.1	485.8	1.80	29.21	0.42	YES
L0113449	0	0.90667E-02	487103.8	3753033.3	485.0	1.80	29.21	0.42	YES
L0113450	0	0.90667E-02	487104.2	3752970.5	487.0	1.80	29.21	0.42	YES
L0113451	0	0.90667E-02	487104.5	3752907.7	484.9	1.80	29.21	0.42	YES
L0113452	0	0.90667E-02	487104.8	3752844.9	483.2	1.80	29.21	0.42	YES

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L0113453	0	0.90667E-02	487105.1	3752782.1	483.7	1.80	29.21	0.42	YES	
L0113454	0	0.17433E-01	486069.9	3753383.9	492.7	1.10	18.01	0.26	YES	
L0113455	0	0.17433E-01	486053.5	3753348.8	491.3	1.10	18.01	0.26	YES	
L0113456	0	0.17433E-01	486037.1	3753313.7	490.5	1.10	18.01	0.26	YES	
L0113457	0	0.17433E-01	486020.7	3753278.6	490.3	1.10	18.01	0.26	YES	
L0113458	0	0.17433E-01	486004.3	3753243.5	490.0	1.10	18.01	0.26	YES	
L0113459	0	0.17433E-01	485987.9	3753208.5	489.6	1.10	18.01	0.26	YES	
L0113460	0	0.17433E-01	485979.1	3753171.6	489.0	1.10	18.01	0.26	YES	
L0113461	0	0.17433E-01	485978.3	3753132.9	488.1	1.10	18.01	0.26	YES	
L0113462	0	0.17433E-01	485977.4	3753094.2	488.2	1.10	18.01	0.26	YES	
L0113463	0	0.17433E-01	485976.6	3753055.4	489.4	1.10	18.01	0.26	YES	
L0113464	0	0.17433E-01	485975.7	3753016.7	490.1	1.10	18.01	0.26	YES	
L0113465	0	0.17433E-01	485974.9	3752978.0	490.0	1.10	18.01	0.26	YES	
L0113466	0	0.17433E-01	485974.0	3752939.3	489.0	1.10	18.01	0.26	YES	
L0113467	0	0.17433E-01	485973.2	3752900.6	489.0	1.10	18.01	0.26	YES	
L0113468	0	0.17433E-01	485972.3	3752861.8	489.0	1.10	18.01	0.26	YES	
L0113469	0	0.17433E-01	485971.5	3752823.1	489.0	1.10	18.01	0.26	YES	
L0113470	0	0.17433E-01	485970.6	3752784.4	488.8	1.10	18.01	0.26	YES	
L0113471	0	0.17433E-01	485969.8	3752745.7	487.0	1.10	18.01	0.26	YES	
L0113472	0	0.17433E-01	485968.9	3752707.0	485.2	1.10	18.01	0.26	YES	
L0113473	0	0.17433E-01	485968.1	3752668.2	486.2	1.10	18.01	0.26	YES	
L0113474	0	0.17433E-01	485967.2	3752629.5	488.8	1.10	18.01	0.26	YES	
L0113475	0	0.17433E-01	485966.4	3752590.8	490.1	1.10	18.01	0.26	YES	
L0113476	0	0.17433E-01	485965.5	3752552.1	495.2	1.10	18.01	0.26	YES	
L0113477	0	0.17433E-01	485964.7	3752513.4	496.4	1.10	18.01	0.26	YES	
L0113478	0	0.17433E-01	485963.8	3752474.7	496.1	1.10	18.01	0.26	YES	
L0113479	0	0.17433E-01	485963.0	3752435.9	496.4	1.10	18.01	0.26	YES	
L0113480	0	0.17433E-01	485962.1	3752397.2	498.8	1.10	18.01	0.26	YES	
L0113481	0	0.17433E-01	485961.3	3752358.5	500.1	1.10	18.01	0.26	YES	
L0113482	0	0.17433E-01	485960.4	3752319.8	500.7	1.10	18.01	0.26	YES	
L0113483	0	0.17433E-01	485959.6	3752281.1	501.9	1.10	18.01	0.26	YES	
L0112769	0	-.35556E-02	485510.8	3754267.3	514.2	1.00	15.74	0.23	YES	
L0112770	0	-.35556E-02	485510.8	3754233.4	512.2	1.00	15.74	0.23	YES	
L0112771	0	-.35556E-02	485510.8	3754199.6	512.1	1.00	15.74	0.23	YES	
L0112772	0	-.35556E-02	485510.7	3754165.8	512.7	1.00	15.74	0.23	YES	
L0112773	0	-.35556E-02	485510.7	3754131.9	512.2	1.00	15.74	0.23	YES	
L0112774	0	-.35556E-02	485510.7	3754098.1	510.5	1.00	15.74	0.23	YES	
L0112775	0	-.35556E-02	485510.6	3754064.2	508.4	1.00	15.74	0.23	YES	
L0112776	0	-.35556E-02	485510.6	3754030.4	506.5	1.00	15.74	0.23	YES	
L0112777	0	-.35556E-02	485510.5	3753996.6	505.5	1.00	15.74	0.23	YES	

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L0112778	0	-.35556E-02	485510.5	3753962.7	505.3	1.00	15.74	0.23	YES	
L0112779	0	-.35556E-02	485510.5	3753928.9	504.3	1.00	15.74	0.23	YES	
L0112780	0	-.35556E-02	485510.4	3753895.1	502.5	1.00	15.74	0.23	YES	
L0112781	0	-.35556E-02	485510.4	3753861.2	501.8	1.00	15.74	0.23	YES	
L0112782	0	-.35556E-02	485510.4	3753827.4	501.9	1.00	15.74	0.23	YES	
L0112783	0	-.35556E-02	485510.3	3753793.6	502.2	1.00	15.74	0.23	YES	
L0112784	0	-.35556E-02	485510.3	3753759.7	504.4	1.00	15.74	0.23	YES	
L0112785	0	-.35556E-02	485510.3	3753725.9	505.0	1.00	15.74	0.23	YES	
L0112786	0	-.35556E-02	485510.2	3753692.0	505.0	1.00	15.74	0.23	YES	
L0112787	0	-.35556E-02	485510.2	3753658.2	502.6	1.00	15.74	0.23	YES	
L0112788	0	-.35556E-02	485510.1	3753624.4	500.4	1.00	15.74	0.23	YES	
L0112789	0	-.35556E-02	485510.1	3753590.5	499.4	1.00	15.74	0.23	YES	
L0112790	0	-.35556E-02	485510.1	3753556.7	500.0	1.00	15.74	0.23	YES	
L0112791	0	-.35556E-02	485510.0	3753522.9	499.8	1.00	15.74	0.23	YES	
L0112792	0	-.35556E-02	485510.0	3753489.0	498.4	1.00	15.74	0.23	YES	
L0112793	0	-.35556E-02	485510.0	3753455.2	498.0	1.00	15.74	0.23	YES	
L0112794	0	-.35556E-02	485509.9	3753421.4	498.0	1.00	15.74	0.23	YES	

L0112795	0	-.35556E-02	485509.9	3753387.5	497.3	1.00	15.74	0.23	YES
L0112796	0	-.35556E-02	485509.8	3753353.7	496.8	1.00	15.74	0.23	YES
L0112797	0	-.35556E-02	485509.8	3753319.8	495.6	1.00	15.74	0.23	YES
L0112798	0	-.35556E-02	485509.8	3753286.0	494.2	1.00	15.74	0.23	YES
L0112799	0	-.35556E-02	485509.7	3753252.2	493.9	1.00	15.74	0.23	YES
L0112800	0	-.35556E-02	485509.7	3753218.3	494.7	1.00	15.74	0.23	YES
L0112801	0	-.35556E-02	485509.7	3753184.5	494.2	1.00	15.74	0.23	YES
L0112802	0	-.35556E-02	485509.6	3753150.7	491.7	1.00	15.74	0.23	YES
L0112803	0	-.35556E-02	485509.6	3753116.8	490.8	1.00	15.74	0.23	YES
L0112804	0	-.35556E-02	485509.6	3753083.0	491.6	1.00	15.74	0.23	YES
L0113484	0	0.52000E-03	485533.3	3755083.2	531.2	1.10	15.63	0.26	YES
L0113485	0	0.52000E-03	485532.5	3755049.6	528.8	1.10	15.63	0.26	YES
L0113486	0	0.52000E-03	485531.8	3755016.0	528.2	1.10	15.63	0.26	YES
L0113487	0	0.52000E-03	485531.1	3754982.4	528.0	1.10	15.63	0.26	YES
L0113488	0	0.52000E-03	485530.4	3754948.8	526.6	1.10	15.63	0.26	YES
L0113489	0	0.52000E-03	485529.7	3754915.2	525.4	1.10	15.63	0.26	YES
L0113490	0	0.52000E-03	485528.9	3754881.6	522.9	1.10	15.63	0.26	YES
L0113491	0	0.52000E-03	485528.2	3754848.0	520.4	1.10	15.63	0.26	YES
L0113492	0	0.52000E-03	485527.5	3754814.4	523.2	1.10	15.63	0.26	YES
L0113493	0	0.52000E-03	485526.8	3754780.8	526.0	1.10	15.63	0.26	YES
L0113494	0	0.52000E-03	485526.0	3754747.2	526.7	1.10	15.63	0.26	YES
L0113495	0	0.52000E-03	485525.3	3754713.6	524.2	1.10	15.63	0.26	YES
L0113496	0	0.52000E-03	485524.6	3754680.1	521.8	1.10	15.63	0.26	YES

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L0113497	0	0.52000E-03	485523.9	3754646.5	521.8	1.10	15.63	0.26	YES	
L0113498	0	0.52000E-03	485523.2	3754612.9	522.1	1.10	15.63	0.26	YES	
L0113499	0	0.52000E-03	485522.4	3754579.3	522.2	1.10	15.63	0.26	YES	
L0113500	0	0.52000E-03	485521.7	3754545.7	519.1	1.10	15.63	0.26	YES	
L0113501	0	0.52000E-03	485521.0	3754512.1	515.2	1.10	15.63	0.26	YES	
L0113502	0	0.52000E-03	485520.3	3754478.5	514.7	1.10	15.63	0.26	YES	
L0113503	0	0.52000E-03	485519.5	3754444.9	516.7	1.10	15.63	0.26	YES	
L0113504	0	0.52000E-03	485518.8	3754411.3	517.0	1.10	15.63	0.26	YES	
L0113505	0	0.52000E-03	485518.1	3754377.7	516.0	1.10	15.63	0.26	YES	
L0113506	0	0.52000E-03	485517.4	3754344.1	515.1	1.10	15.63	0.26	YES	
L0113507	0	0.52000E-03	485516.7	3754310.5	515.0	1.10	15.63	0.26	YES	
L0113508	0	0.52000E-03	485515.9	3754276.9	514.6	1.10	15.63	0.26	YES	
L0113509	0	0.10167E-01	485516.8	3755054.2	529.9	1.80	23.83	0.42	YES	
L0113510	0	0.10167E-01	485568.1	3755054.0	528.6	1.80	23.83	0.42	YES	
L0113511	0	0.10167E-01	485619.3	3755053.8	530.8	1.80	23.83	0.42	YES	
L0113512	0	0.10167E-01	485670.5	3755053.6	532.5	1.80	23.83	0.42	YES	
L0113513	0	0.10167E-01	485721.7	3755053.4	534.2	1.80	23.83	0.42	YES	
L0113514	0	0.10167E-01	485773.0	3755053.2	531.1	1.80	23.83	0.42	YES	
L0113515	0	0.10167E-01	485824.2	3755053.0	529.5	1.80	23.83	0.42	YES	
L0113516	0	0.10167E-01	485875.4	3755052.8	529.8	1.80	23.83	0.42	YES	
L0113517	0	0.10167E-01	485926.7	3755052.6	530.9	1.80	23.83	0.42	YES	
L0113518	0	0.10167E-01	485977.9	3755052.4	529.7	1.80	23.83	0.42	YES	
L0113519	0	0.10167E-01	486029.1	3755052.2	529.4	1.80	23.83	0.42	YES	
L0113520	0	0.10167E-01	486080.4	3755052.0	529.5	1.80	23.83	0.42	YES	
L0113521	0	0.10167E-01	486131.6	3755051.8	529.5	1.80	23.83	0.42	YES	
L0113522	0	0.10167E-01	486182.8	3755051.6	530.3	1.80	23.83	0.42	YES	
L0113523	0	0.10167E-01	486234.0	3755051.3	527.4	1.80	23.83	0.42	YES	
L0113524	0	0.10167E-01	486285.3	3755051.1	527.0	1.80	23.83	0.42	YES	
L0113525	0	0.10167E-01	486336.5	3755050.9	526.5	1.80	23.83	0.42	YES	
L0113526	0	0.10167E-01	486387.7	3755050.7	527.3	1.80	23.83	0.42	YES	
L0113527	0	0.41533E-02	486398.6	3755051.8	528.1	1.90	23.51	0.44	YES	
L0113528	0	0.41533E-02	486449.1	3755051.3	531.3	1.90	23.51	0.44	YES	
L0113529	0	0.41533E-02	486499.7	3755050.8	529.7	1.90	23.51	0.44	YES	
L0113530	0	0.41533E-02	486550.2	3755050.4	528.0	1.90	23.51	0.44	YES	
L0113531	0	0.41533E-02	486600.7	3755049.9	527.0	1.90	23.51	0.44	YES	
L0113532	0	0.41533E-02	486651.3	3755049.4	527.3	1.90	23.51	0.44	YES	
L0113533	0	0.41533E-02	486701.8	3755049.0	529.1	1.90	23.51	0.44	YES	
L0113534	0	0.41533E-02	486752.4	3755048.5	530.3	1.90	23.51	0.44	YES	
L0113535	0	0.41533E-02	486802.9	3755048.1	529.2	1.90	23.51	0.44	YES	
L0113536	0	0.41533E-02	486853.5	3755047.6	526.5	1.90	23.51	0.44	YES	

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L0113537	0	0.41533E-02	486904.0	3755047.1	529.4	1.90	23.51	0.44	YES	
L0113538	0	0.41533E-02	486954.6	3755046.7	527.6	1.90	23.51	0.44	YES	
L0113539	0	0.41533E-02	487005.1	3755046.2	526.3	1.90	23.51	0.44	YES	
L0113540	0	0.41533E-02	487055.7	3755045.8	527.0	1.90	23.51	0.44	YES	
L0113541	0	0.41533E-02	487106.2	3755045.3	527.9	1.90	23.51	0.44	YES	
L0113542	0	0.39375E-02	487151.1	3755042.2	530.6	1.90	23.38	0.44	YES	
L0113543	0	0.39375E-02	487201.3	3755039.4	528.0	1.90	23.38	0.44	YES	
L0113544	0	0.39375E-02	487251.5	3755036.7	528.5	1.90	23.38	0.44	YES	
L0113545	0	0.39375E-02	487301.7	3755033.9	528.6	1.90	23.38	0.44	YES	
L0113546	0	0.39375E-02	487351.3	3755025.8	526.0	1.90	23.38	0.44	YES	
L0113547	0	0.39375E-02	487400.9	3755017.8	524.6	1.90	23.38	0.44	YES	
L0113548	0	0.39375E-02	487450.5	3755009.8	524.4	1.90	23.38	0.44	YES	
L0113549	0	0.39375E-02	487500.1	3755001.7	526.0	1.90	23.38	0.44	YES	
L0113550	0	0.39375E-02	487549.9	3754996.4	528.3	1.90	23.38	0.44	YES	
L0113551	0	0.39375E-02	487600.2	3754997.7	529.2	1.90	23.38	0.44	YES	

L0113552	0	0.39375E-02	487650.4	3754999.0	526.2	1.90	23.38	0.44	YES
L0113553	0	0.39375E-02	487700.6	3755000.3	523.0	1.90	23.38	0.44	YES
L0113554	0	0.39375E-02	487749.5	3754990.1	522.3	1.90	23.38	0.44	YES
L0113555	0	0.39375E-02	487798.0	3754976.9	523.3	1.90	23.38	0.44	YES
L0113556	0	0.39375E-02	487846.5	3754963.7	524.1	1.90	23.38	0.44	YES
L0113557	0	0.39375E-02	487895.0	3754950.4	525.8	1.90	23.38	0.44	YES
L0113558	0	0.16692E-02	487919.9	3754938.9	524.6	1.70	24.10	0.40	YES
L0113559	0	0.16692E-02	487964.8	3754913.0	521.9	1.70	24.10	0.40	YES
L0113560	0	0.16692E-02	488009.7	3754887.1	519.8	1.70	24.10	0.40	YES
L0113561	0	0.16692E-02	488053.4	3754859.6	519.4	1.70	24.10	0.40	YES
L0113562	0	0.16692E-02	488094.9	3754828.5	519.2	1.70	24.10	0.40	YES
L0113563	0	0.16692E-02	488136.3	3754797.4	520.5	1.70	24.10	0.40	YES
L0113564	0	0.16692E-02	488178.6	3754767.9	521.2	1.70	24.10	0.40	YES
L0113565	0	0.16692E-02	488228.5	3754753.9	522.9	1.70	24.10	0.40	YES
L0113566	0	0.16692E-02	488278.4	3754739.9	523.0	1.70	24.10	0.40	YES
L0113567	0	0.16692E-02	488329.2	3754731.6	521.5	1.70	24.10	0.40	YES
L0113568	0	0.16692E-02	488380.9	3754728.1	523.9	1.70	24.10	0.40	YES
L0113569	0	0.16692E-02	488432.6	3754724.6	528.0	1.70	24.10	0.40	YES
L0113570	0	0.16692E-02	488484.3	3754721.0	524.8	1.70	24.10	0.40	YES
L0113571	0	0.61667E-02	487131.3	3754448.5	506.6	2.10	17.64	0.49	YES
L0113572	0	0.61667E-02	487169.2	3754446.5	506.0	2.10	17.64	0.49	YES
L0113573	0	0.61667E-02	487207.0	3754444.4	508.1	2.10	17.64	0.49	YES
L0113574	0	0.61667E-02	487244.9	3754442.4	509.1	2.10	17.64	0.49	YES
L0113575	0	0.61667E-02	487282.8	3754440.4	509.8	2.10	17.64	0.49	YES
L0113576	0	0.61667E-02	487320.7	3754438.4	509.1	2.10	17.64	0.49	YES

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L0113577	0	0.61667E-02	487358.6	3754436.4	509.4	2.10	17.64	0.49	YES	
L0113578	0	0.61667E-02	487396.4	3754434.4	510.4	2.10	17.64	0.49	YES	
L0113579	0	0.61667E-02	487434.3	3754432.4	509.9	2.10	17.64	0.49	YES	
L0113580	0	0.61667E-02	487472.2	3754430.4	509.4	2.10	17.64	0.49	YES	
L0113581	0	0.61667E-02	487510.1	3754428.3	509.9	2.10	17.64	0.49	YES	
L0113582	0	0.61667E-02	487547.9	3754426.3	510.2	2.10	17.64	0.49	YES	
L0113583	0	0.61667E-02	487585.8	3754424.5	509.6	2.10	17.64	0.49	YES	
L0113584	0	0.61667E-02	487623.7	3754425.8	510.1	2.10	17.64	0.49	YES	
L0113585	0	0.61667E-02	487661.6	3754427.1	510.7	2.10	17.64	0.49	YES	
L0113586	0	0.61667E-02	487699.6	3754428.4	510.4	2.10	17.64	0.49	YES	
L0113587	0	0.61667E-02	487736.7	3754435.0	510.8	2.10	17.64	0.49	YES	
L0113588	0	0.61667E-02	487773.2	3754445.1	510.4	2.10	17.64	0.49	YES	
L0113589	0	0.61667E-02	487810.3	3754451.0	509.9	2.10	17.64	0.49	YES	
L0113590	0	0.61667E-02	487848.2	3754450.3	509.8	2.10	17.64	0.49	YES	
L0113591	0	0.61667E-02	487886.1	3754449.6	508.5	2.10	17.64	0.49	YES	
L0113592	0	0.61667E-02	487924.1	3754449.0	507.7	2.10	17.64	0.49	YES	
L0113593	0	0.61667E-02	487962.0	3754448.3	508.4	2.10	17.64	0.49	YES	
L0113594	0	0.61667E-02	487999.9	3754447.6	509.0	2.10	17.64	0.49	YES	
L0113595	0	0.61667E-02	488037.8	3754447.0	508.1	2.10	17.64	0.49	YES	
L0113596	0	0.61667E-02	488075.8	3754446.3	507.2	2.10	17.64	0.49	YES	
L0113597	0	0.61667E-02	488113.7	3754445.6	508.2	2.10	17.64	0.49	YES	
L0113598	0	0.61667E-02	488151.6	3754445.0	508.3	2.10	17.64	0.49	YES	
L0113599	0	0.61667E-02	488189.5	3754444.3	509.3	2.10	17.64	0.49	YES	
L0113600	0	0.61667E-02	488227.5	3754443.6	510.4	2.10	17.64	0.49	YES	
L0113601	0	0.61667E-02	488265.4	3754443.0	510.7	2.10	17.64	0.49	YES	
L0113602	0	0.61667E-02	488303.3	3754442.3	510.9	2.10	17.64	0.49	YES	
L0113603	0	0.61667E-02	488333.9	3754420.0	509.3	2.10	17.64	0.49	YES	
L0113604	0	0.61667E-02	488364.4	3754397.4	506.5	2.10	17.64	0.49	YES	
L0113605	0	0.61667E-02	488394.8	3754374.8	504.5	2.10	17.64	0.49	YES	
L0113606	0	0.61667E-02	488425.3	3754352.2	505.0	2.10	17.64	0.49	YES	
L0113607	0	0.26071E-02	488434.4	3754340.7	505.3	1.20	18.04	0.28	YES	
L0113608	0	0.26071E-02	488457.1	3754309.3	506.0	1.20	18.04	0.28	YES	
L0113609	0	0.26071E-02	488457.7	3754270.7	506.0	1.20	18.04	0.28	YES	
L0113610	0	0.26071E-02	488457.7	3754231.9	505.1	1.20	18.04	0.28	YES	
L0113611	0	0.26071E-02	488457.7	3754193.1	501.0	1.20	18.04	0.28	YES	
L0113612	0	0.26071E-02	488457.7	3754154.3	501.5	1.20	18.04	0.28	YES	
L0113613	0	0.26071E-02	488457.7	3754115.5	503.6	1.20	18.04	0.28	YES	
L0113614	0	0.26071E-02	488457.7	3754076.8	502.9	1.20	18.04	0.28	YES	
L0113615	0	0.26071E-02	488457.7	3754038.0	502.0	1.20	18.04	0.28	YES	
L0113616	0	0.26071E-02	488457.7	3753999.2	502.0	1.20	18.04	0.28	YES	

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L0113617	0	0.26071E-02	488457.7	3753960.4	502.0	1.20	18.04	0.28	YES	
L0113618	0	0.26071E-02	488457.7	3753921.6	500.4	1.20	18.04	0.28	YES	
L0113619	0	0.26071E-02	488457.7	3753882.8	498.4	1.20	18.04	0.28	YES	
L0113620	0	0.26071E-02	488457.7	3753844.0	497.1	1.20	18.04	0.28	YES	
L0113621	0	0.26071E-02	488457.7	3753805.3	496.8	1.20	18.04	0.28	YES	
L0113622	0	0.26071E-02	488457.7	3753766.5	496.0	1.20	18.04	0.28	YES	
L0113623	0	0.26071E-02	488457.7	3753727.7	495.3	1.20	18.04	0.28	YES	
L0113624	0	0.26071E-02	488457.7	3753688.9	493.9	1.20	18.04	0.28	YES	
L0113625	0	0.26071E-02	488457.7	3753650.1	491.0	1.20	18.04	0.28	YES	
L0113626	0	0.26071E-02	488457.7	3753611.3	488.4	1.20	18.04	0.28	YES	
L0113627	0	0.26071E-02	488457.7	3753572.6	488.0	1.20	18.04	0.28	YES	
L0113628	0	0.26071E-02	488457.7	3753533.8	488.0	1.20	18.04	0.28	YES	
L0113629	0	0.26071E-02	488457.7	3753495.0	488.0	1.20	18.04	0.28	YES	

L0113630	0	0.26071E-02	488457.7	3753456.2	487.2	1.20	18.04	0.28	YES
L0113631	0	0.26071E-02	488457.7	3753417.4	485.9	1.20	18.04	0.28	YES
L0113632	0	0.26071E-02	488457.7	3753378.6	485.4	1.20	18.04	0.28	YES
L0113633	0	0.26071E-02	488457.7	3753339.9	484.0	1.20	18.04	0.28	YES
L0113634	0	0.26071E-02	488457.7	3753301.1	482.0	1.20	18.04	0.28	YES
L0113635	0	0.21500E-01	487111.6	3753293.9	488.9	1.70	22.81	0.40	YES
L0113636	0	0.21500E-01	487160.6	3753293.6	488.0	1.70	22.81	0.40	YES
L0113637	0	0.21500E-01	487209.6	3753293.2	486.3	1.70	22.81	0.40	YES
L0113638	0	0.21500E-01	487258.7	3753292.8	484.5	1.70	22.81	0.40	YES
L0113639	0	0.21500E-01	487307.7	3753292.4	486.8	1.70	22.81	0.40	YES
L0113640	0	0.21500E-01	487356.7	3753292.1	488.3	1.70	22.81	0.40	YES
L0113641	0	0.21500E-01	487405.8	3753291.7	488.6	1.70	22.81	0.40	YES
L0113642	0	0.21500E-01	487454.8	3753291.3	487.2	1.70	22.81	0.40	YES
L0113643	0	0.21500E-01	487503.8	3753291.0	486.4	1.70	22.81	0.40	YES
L0113644	0	0.21500E-01	487552.9	3753290.6	487.3	1.70	22.81	0.40	YES
L0113645	0	0.21500E-01	487601.9	3753290.2	486.6	1.70	22.81	0.40	YES
L0113646	0	0.21500E-01	487650.9	3753289.8	486.2	1.70	22.81	0.40	YES
L0113647	0	0.21500E-01	487700.0	3753289.5	482.3	1.70	22.81	0.40	YES
L0113648	0	0.21500E-01	487749.0	3753289.1	483.1	1.70	22.81	0.40	YES
L0113649	0	0.26786E-01	487765.1	3753289.0	484.0	1.70	24.24	0.40	YES
L0113650	0	0.26786E-01	487817.3	3753289.0	485.3	1.70	24.24	0.40	YES
L0113651	0	0.26786E-01	487869.4	3753289.0	483.2	1.70	24.24	0.40	YES
L0113652	0	0.26786E-01	487921.5	3753289.0	483.0	1.70	24.24	0.40	YES
L0113653	0	0.26786E-01	487973.6	3753289.0	484.8	1.70	24.24	0.40	YES
L0113654	0	0.26786E-01	488025.8	3753289.0	485.6	1.70	24.24	0.40	YES
L0113655	0	0.26786E-01	488077.9	3753289.0	485.4	1.70	24.24	0.40	YES
L0113656	0	0.26786E-01	488130.0	3753289.0	485.6	1.70	24.24	0.40	YES

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L0113657	0	0.26786E-01	488182.1	3753289.0	485.6	1.70	24.24	0.40	YES	
L0113658	0	0.26786E-01	488234.2	3753289.0	486.3	1.70	24.24	0.40	YES	
L0113659	0	0.26786E-01	488286.4	3753289.0	484.9	1.70	24.24	0.40	YES	
L0113660	0	0.26786E-01	488338.5	3753289.0	484.4	1.70	24.24	0.40	YES	
L0113661	0	0.26786E-01	488390.6	3753289.0	484.6	1.70	24.24	0.40	YES	
L0113662	0	0.26786E-01	488442.7	3753289.0	483.3	1.70	24.24	0.40	YES	
L0113663	0	0.10667E-01	488445.9	3753289.3	481.6	1.80	18.10	0.42	YES	
L0113664	0	0.10667E-01	488446.3	3753250.4	481.0	1.80	18.10	0.42	YES	
L0113665	0	0.10667E-01	488446.8	3753211.5	480.1	1.80	18.10	0.42	YES	
L0113666	0	0.10667E-01	488447.2	3753172.6	479.0	1.80	18.10	0.42	YES	
L0113667	0	0.10667E-01	488447.7	3753133.7	478.5	1.80	18.10	0.42	YES	
L0113668	0	0.10667E-01	488448.1	3753094.8	478.0	1.80	18.10	0.42	YES	
L0113669	0	0.10667E-01	488448.5	3753055.9	477.0	1.80	18.10	0.42	YES	
L0113670	0	0.10667E-01	488449.0	3753017.0	477.0	1.80	18.10	0.42	YES	
L0113671	0	0.10667E-01	488449.4	3752978.1	477.7	1.80	18.10	0.42	YES	
L0113672	0	0.10667E-01	488449.8	3752939.2	479.0	1.80	18.10	0.42	YES	
L0113673	0	0.10667E-01	488450.3	3752900.3	478.0	1.80	18.10	0.42	YES	
L0113674	0	0.10667E-01	488450.7	3752861.4	478.0	1.80	18.10	0.42	YES	
L0113675	0	0.12897E-01	488463.9	3753299.0	481.8	1.50	23.53	0.35	YES	
L0113676	0	0.12897E-01	488514.5	3753298.8	480.9	1.50	23.53	0.35	YES	
L0113677	0	0.12897E-01	488565.1	3753298.7	482.3	1.50	23.53	0.35	YES	
L0113678	0	0.12897E-01	488615.7	3753298.5	484.1	1.50	23.53	0.35	YES	
L0113679	0	0.12897E-01	488666.3	3753298.3	483.2	1.50	23.53	0.35	YES	
L0113680	0	0.12897E-01	488716.9	3753298.1	482.0	1.50	23.53	0.35	YES	
L0113681	0	0.12897E-01	488767.5	3753298.0	482.1	1.50	23.53	0.35	YES	
L0113682	0	0.12897E-01	488818.1	3753297.8	481.1	1.50	23.53	0.35	YES	
L0113683	0	0.12897E-01	488868.7	3753297.6	482.1	1.50	23.53	0.35	YES	
L0113684	0	0.12897E-01	488919.3	3753297.4	483.4	1.50	23.53	0.35	YES	
L0113685	0	0.12897E-01	488969.9	3753297.3	485.9	1.50	23.53	0.35	YES	
L0113686	0	0.12897E-01	489020.5	3753297.1	484.2	1.50	23.53	0.35	YES	
L0113687	0	0.12897E-01	489071.1	3753296.9	484.8	1.50	23.53	0.35	YES	
L0113688	0	0.12897E-01	489121.6	3753296.7	484.9	1.50	23.53	0.35	YES	
L0113689	0	0.12897E-01	489172.2	3753296.5	486.5	1.50	23.53	0.35	YES	
L0113690	0	0.12897E-01	489222.8	3753296.4	491.6	1.50	23.53	0.35	YES	
L0113691	0	0.12897E-01	489273.4	3753296.2	494.4	1.50	23.53	0.35	YES	
L0113692	0	0.12897E-01	489324.0	3753296.0	490.5	1.50	23.53	0.35	YES	
L0113693	0	0.12897E-01	489374.6	3753295.8	489.1	1.50	23.53	0.35	YES	
L0113694	0	0.12897E-01	489425.2	3753295.7	490.3	1.50	23.53	0.35	YES	
L0113695	0	0.12897E-01	489475.8	3753295.5	490.2	1.50	23.53	0.35	YES	
L0113696	0	0.12897E-01	489526.4	3753295.3	490.5	1.50	23.53	0.35	YES	

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0113697	0	0.12897E-01	489577.0	3753295.1	493.0	1.50	23.53	0.35	YES	
L0113698	0	0.12897E-01	489627.6	3753295.0	493.4	1.50	23.53	0.35	YES	
L0113699	0	0.12897E-01	489678.2	3753294.8	495.6	1.50	23.53	0.35	YES	
L0113700	0	0.12897E-01	489728.8	3753294.6	496.8	1.50	23.53	0.35	YES	
L0113701	0	0.12897E-01	489779.4	3753294.4	493.4	1.50	23.53	0.35	YES	
L0113702	0	0.12897E-01	489830.0	3753294.3	489.2	1.50	23.53	0.35	YES	
L0113703	0	0.12897E-01	489880.6	3753294.1	491.6	1.50	23.53	0.35	YES	
L0113704	0	0.16667E-01	489900.7	3753294.2	492.8	1.80	22.24	0.42	YES	
L0113705	0	0.16667E-01	489944.6	3753313.0	493.7	1.80	22.24	0.42	YES	
L0113706	0	0.16667E-01	489983.0	3753340.6	494.3	1.80	22.24	0.42	YES	
L0113707	0	0.16667E-01	490018.7	3753372.4	497.3	1.80	22.24	0.42	YES	

L0113708	0	0.16667E-01	490054.3	3753404.3	500.6	1.80	22.24	0.42	YES
L0113709	0	0.16667E-01	490090.0	3753436.1	502.5	1.80	22.24	0.42	YES
L0113710	0	0.74615E-02	489898.8	3753280.5	492.3	1.90	15.51	0.44	YES
L0113711	0	0.74615E-02	489899.2	3753247.1	490.4	1.90	15.51	0.44	YES
L0113712	0	0.74615E-02	489899.6	3753213.8	488.2	1.90	15.51	0.44	YES
L0113713	0	0.74615E-02	489900.0	3753180.4	487.0	1.90	15.51	0.44	YES
L0113714	0	0.74615E-02	489900.4	3753147.1	488.3	1.90	15.51	0.44	YES
L0113715	0	0.74615E-02	489900.8	3753113.7	491.0	1.90	15.51	0.44	YES
L0113716	0	0.74615E-02	489901.2	3753080.4	490.6	1.90	15.51	0.44	YES
L0113717	0	0.74615E-02	489901.6	3753047.0	489.0	1.90	15.51	0.44	YES
L0113718	0	0.74615E-02	489902.0	3753013.7	487.3	1.90	15.51	0.44	YES
L0113719	0	0.74615E-02	489902.4	3752980.3	486.2	1.90	15.51	0.44	YES
L0113720	0	0.74615E-02	489902.8	3752947.0	484.6	1.90	15.51	0.44	YES
L0113721	0	0.74615E-02	489903.2	3752913.6	482.5	1.90	15.51	0.44	YES
L0113722	0	0.74615E-02	489903.6	3752880.3	480.4	1.90	15.51	0.44	YES
L0113723	0	0.56273E-02	489917.3	3752867.0	481.7	1.90	15.35	0.44	YES
L0113724	0	0.56273E-02	489950.3	3752867.9	483.0	1.90	15.35	0.44	YES
L0113725	0	0.56273E-02	489983.2	3752868.9	484.0	1.90	15.35	0.44	YES
L0113726	0	0.56273E-02	490016.2	3752869.8	484.9	1.90	15.35	0.44	YES
L0113727	0	0.56273E-02	490049.2	3752870.8	486.1	1.90	15.35	0.44	YES
L0113728	0	0.56273E-02	490082.2	3752871.7	485.7	1.90	15.35	0.44	YES
L0113729	0	0.56273E-02	490115.2	3752872.7	485.9	1.90	15.35	0.44	YES
L0113730	0	0.56273E-02	490148.1	3752873.7	486.6	1.90	15.35	0.44	YES
L0113731	0	0.56273E-02	490181.1	3752874.6	486.0	1.90	15.35	0.44	YES
L0113732	0	0.56273E-02	490214.1	3752875.6	484.1	1.90	15.35	0.44	YES
L0113733	0	0.56273E-02	490247.1	3752876.5	482.6	1.90	15.35	0.44	YES
L0113734	0	0.35909E-02	488454.3	3752857.1	478.0	1.90	15.60	0.44	YES
L0113735	0	0.35909E-02	488487.8	3752858.9	478.7	1.90	15.60	0.44	YES
L0113736	0	0.35909E-02	488521.3	3752860.6	477.6	1.90	15.60	0.44	YES

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L0113737	0	0.35909E-02	488554.8	3752862.3	475.5	1.90	15.60	0.44	YES	
L0113738	0	0.35909E-02	488588.3	3752864.1	475.3	1.90	15.60	0.44	YES	
L0113739	0	0.35909E-02	488621.7	3752865.8	476.6	1.90	15.60	0.44	YES	
L0113740	0	0.35909E-02	488655.2	3752867.6	478.0	1.90	15.60	0.44	YES	
L0113741	0	0.35909E-02	488688.7	3752869.3	478.5	1.90	15.60	0.44	YES	
L0113742	0	0.35909E-02	488722.2	3752871.1	477.6	1.90	15.60	0.44	YES	
L0113743	0	0.35909E-02	488755.7	3752872.8	477.4	1.90	15.60	0.44	YES	
L0113744	0	0.35909E-02	488789.2	3752874.6	478.3	1.90	15.60	0.44	YES	
L0113745	0	0.35909E-02	488822.6	3752876.3	478.2	1.90	15.60	0.44	YES	
L0113746	0	0.35909E-02	488856.1	3752878.1	478.1	1.90	15.60	0.44	YES	
L0113747	0	0.35909E-02	488889.6	3752879.8	478.0	1.90	15.60	0.44	YES	
L0113748	0	0.35909E-02	488923.1	3752881.6	477.7	1.90	15.60	0.44	YES	
L0113749	0	0.35909E-02	488956.6	3752883.3	478.2	1.90	15.60	0.44	YES	
L0113750	0	0.35909E-02	488990.1	3752885.1	479.7	1.90	15.60	0.44	YES	
L0113751	0	0.35909E-02	489023.5	3752886.8	481.4	1.90	15.60	0.44	YES	
L0113752	0	0.35909E-02	489057.1	3752886.3	482.7	1.90	15.60	0.44	YES	
L0113753	0	0.35909E-02	489090.6	3752885.7	481.8	1.90	15.60	0.44	YES	
L0113754	0	0.35909E-02	489124.1	3752885.1	480.7	1.90	15.60	0.44	YES	
L0113755	0	0.35909E-02	489157.6	3752884.5	479.8	1.90	15.60	0.44	YES	
L0113756	0	0.35909E-02	489191.2	3752884.0	478.8	1.90	15.60	0.44	YES	
L0113757	0	0.35909E-02	489224.7	3752883.4	478.7	1.90	15.60	0.44	YES	
L0113758	0	0.35909E-02	489258.2	3752882.8	479.7	1.90	15.60	0.44	YES	
L0113759	0	0.35909E-02	489291.7	3752882.2	480.1	1.90	15.60	0.44	YES	
L0113760	0	0.35909E-02	489325.3	3752881.7	480.1	1.90	15.60	0.44	YES	
L0113761	0	0.35909E-02	489358.8	3752881.1	480.1	1.90	15.60	0.44	YES	
L0113762	0	0.35909E-02	489392.3	3752880.5	480.0	1.90	15.60	0.44	YES	
L0113763	0	0.35909E-02	489425.8	3752879.9	480.2	1.90	15.60	0.44	YES	
L0113764	0	0.35909E-02	489459.4	3752879.4	481.3	1.90	15.60	0.44	YES	
L0113765	0	0.35909E-02	489492.9	3752878.8	481.9	1.90	15.60	0.44	YES	
L0113766	0	0.35909E-02	489526.4	3752878.2	481.9	1.90	15.60	0.44	YES	
L0113767	0	0.35909E-02	489559.9	3752877.6	482.5	1.90	15.60	0.44	YES	
L0113768	0	0.35909E-02	489593.5	3752877.1	483.5	1.90	15.60	0.44	YES	
L0113769	0	0.35909E-02	489627.0	3752876.5	484.7	1.90	15.60	0.44	YES	
L0113770	0	0.35909E-02	489660.5	3752875.9	484.9	1.90	15.60	0.44	YES	
L0113771	0	0.35909E-02	489694.0	3752875.3	483.8	1.90	15.60	0.44	YES	
L0113772	0	0.35909E-02	489727.6	3752874.8	484.1	1.90	15.60	0.44	YES	
L0113773	0	0.35909E-02	489761.1	3752874.2	485.3	1.90	15.60	0.44	YES	
L0113774	0	0.35909E-02	489794.6	3752873.6	484.9	1.90	15.60	0.44	YES	
L0113775	0	0.35909E-02	489828.1	3752873.0	482.8	1.90	15.60	0.44	YES	
L0113776	0	0.35909E-02	489861.7	3752872.5	480.7	1.90	15.60	0.44	YES	

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L0113777	0	0.35909E-02	489895.2	3752871.9	480.3	1.90	15.60	0.44	YES	
L0113778	0	0.16897E-02	488256.0	3755293.6	547.9	2.10	9.20	0.49	YES	
L0113779	0	0.16897E-02	488263.4	3755275.3	547.8	2.10	9.20	0.49	YES	
L0113780	0	0.16897E-02	488270.8	3755256.9	547.0	2.10	9.20	0.49	YES	
L0113781	0	0.16897E-02	488278.2	3755238.6	546.1	2.10	9.20	0.49	YES	
L0113782	0	0.16897E-02	488285.6	3755220.3	545.6	2.10	9.20	0.49	YES	
L0113783	0	0.16897E-02	488293.0	3755201.9	546.3	2.10	9.20	0.49	YES	
L0113784	0	0.16897E-02	488300.4	3755183.6	546.5	2.10	9.20	0.49	YES	
L0113785	0	0.16897E-02	488307.8	3755165.2	546.1	2.10	9.20	0.49	YES	

L0113786	0	0.16897E-02	488315.2	3755146.9	545.5	2.10	9.20	0.49	YES
L0113787	0	0.16897E-02	488322.7	3755128.6	544.2	2.10	9.20	0.49	YES
L0113788	0	0.16897E-02	488330.1	3755110.2	541.8	2.10	9.20	0.49	YES
L0113789	0	0.16897E-02	488337.5	3755091.9	539.3	2.10	9.20	0.49	YES
L0113790	0	0.16897E-02	488344.9	3755073.6	537.2	2.10	9.20	0.49	YES
L0113791	0	0.16897E-02	488352.3	3755055.2	535.1	2.10	9.20	0.49	YES
L0113792	0	0.16897E-02	488359.7	3755036.9	533.0	2.10	9.20	0.49	YES
L0113793	0	0.16897E-02	488367.1	3755018.5	531.5	2.10	9.20	0.49	YES
L0113794	0	0.16897E-02	488374.5	3755000.2	530.1	2.10	9.20	0.49	YES
L0113795	0	0.16897E-02	488381.9	3754981.9	528.9	2.10	9.20	0.49	YES
L0113796	0	0.16897E-02	488389.3	3754963.5	527.8	2.10	9.20	0.49	YES
L0113797	0	0.16897E-02	488396.7	3754945.2	527.0	2.10	9.20	0.49	YES
L0113798	0	0.16897E-02	488404.1	3754926.9	527.9	2.10	9.20	0.49	YES
L0113799	0	0.16897E-02	488411.5	3754908.5	527.8	2.10	9.20	0.49	YES
L0113800	0	0.16897E-02	488418.9	3754890.2	527.3	2.10	9.20	0.49	YES
L0113801	0	0.16897E-02	488426.3	3754871.8	526.6	2.10	9.20	0.49	YES
L0113802	0	0.16897E-02	488433.7	3754853.5	525.6	2.10	9.20	0.49	YES
L0113803	0	0.16897E-02	488441.1	3754835.2	524.3	2.10	9.20	0.49	YES
L0113804	0	0.16897E-02	488448.6	3754816.8	526.0	2.10	9.20	0.49	YES
L0113805	0	0.16897E-02	488456.0	3754798.5	526.0	2.10	9.20	0.49	YES
L0113806	0	0.16897E-02	488463.4	3754780.1	526.5	2.10	9.20	0.49	YES
L0113807	0	0.20459E-02	488468.1	3754776.1	526.4	2.00	9.32	0.47	YES
L0113808	0	0.20459E-02	488477.9	3754758.6	526.0	2.00	9.32	0.47	YES
L0113809	0	0.20459E-02	488487.7	3754741.2	525.2	2.00	9.32	0.47	YES
L0113810	0	0.20459E-02	488497.6	3754723.7	524.2	2.00	9.32	0.47	YES
L0113811	0	0.20459E-02	488507.4	3754706.3	524.0	2.00	9.32	0.47	YES
L0113812	0	0.20459E-02	488517.3	3754688.8	524.0	2.00	9.32	0.47	YES
L0113813	0	0.20459E-02	488527.1	3754671.4	523.4	2.00	9.32	0.47	YES
L0113814	0	0.20459E-02	488536.9	3754653.9	522.3	2.00	9.32	0.47	YES
L0113815	0	0.20459E-02	488546.8	3754636.5	521.4	2.00	9.32	0.47	YES
L0113816	0	0.20459E-02	488556.6	3754619.0	521.6	2.00	9.32	0.47	YES

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L0113817	0	0.20459E-02	488566.5	3754601.6	521.8	2.00	9.32	0.47	YES	
L0113818	0	0.20459E-02	488576.3	3754584.1	522.3	2.00	9.32	0.47	YES	
L0113819	0	0.20459E-02	488586.1	3754566.7	523.1	2.00	9.32	0.47	YES	
L0113820	0	0.20459E-02	488596.0	3754549.2	522.9	2.00	9.32	0.47	YES	
L0113821	0	0.20459E-02	488605.8	3754531.8	521.8	2.00	9.32	0.47	YES	
L0113822	0	0.20459E-02	488615.6	3754514.3	522.2	2.00	9.32	0.47	YES	
L0113823	0	0.20459E-02	488625.5	3754496.9	522.8	2.00	9.32	0.47	YES	
L0113824	0	0.20459E-02	488635.3	3754479.4	522.4	2.00	9.32	0.47	YES	
L0113825	0	0.20459E-02	488645.2	3754462.0	521.2	2.00	9.32	0.47	YES	
L0113826	0	0.20459E-02	488655.0	3754444.5	519.2	2.00	9.32	0.47	YES	
L0113827	0	0.20459E-02	488664.8	3754427.1	517.5	2.00	9.32	0.47	YES	
L0113828	0	0.20459E-02	488674.7	3754409.6	516.1	2.00	9.32	0.47	YES	
L0113829	0	0.20459E-02	488684.5	3754392.2	514.7	2.00	9.32	0.47	YES	
L0113830	0	0.20459E-02	488694.4	3754374.7	513.0	2.00	9.32	0.47	YES	
L0113831	0	0.20459E-02	488704.2	3754357.3	512.6	2.00	9.32	0.47	YES	
L0113832	0	0.20459E-02	488714.0	3754339.8	513.6	2.00	9.32	0.47	YES	
L0113833	0	0.20459E-02	488723.9	3754322.4	514.6	2.00	9.32	0.47	YES	
L0113834	0	0.20459E-02	488734.7	3754305.7	514.4	2.00	9.32	0.47	YES	
L0113835	0	0.20459E-02	488750.1	3754293.0	513.4	2.00	9.32	0.47	YES	
L0113836	0	0.20459E-02	488765.6	3754280.2	511.6	2.00	9.32	0.47	YES	
L0113837	0	0.20459E-02	488781.0	3754267.5	510.4	2.00	9.32	0.47	YES	
L0113838	0	0.20459E-02	488796.5	3754254.7	509.9	2.00	9.32	0.47	YES	
L0113839	0	0.20459E-02	488811.9	3754241.9	510.0	2.00	9.32	0.47	YES	
L0113840	0	0.20459E-02	488827.4	3754229.2	510.2	2.00	9.32	0.47	YES	
L0113841	0	0.20459E-02	488842.8	3754216.4	510.0	2.00	9.32	0.47	YES	
L0113842	0	0.20459E-02	488858.2	3754203.7	509.8	2.00	9.32	0.47	YES	
L0113843	0	0.20459E-02	488873.7	3754190.9	510.6	2.00	9.32	0.47	YES	
L0113844	0	0.20459E-02	488889.1	3754178.1	511.4	2.00	9.32	0.47	YES	
L0113845	0	0.20459E-02	488904.6	3754165.4	511.7	2.00	9.32	0.47	YES	
L0113846	0	0.20459E-02	488920.0	3754152.6	511.6	2.00	9.32	0.47	YES	
L0113847	0	0.20459E-02	488935.5	3754139.9	511.0	2.00	9.32	0.47	YES	
L0113848	0	0.20459E-02	488950.9	3754127.1	510.6	2.00	9.32	0.47	YES	
L0113849	0	0.20459E-02	488966.7	3754114.8	510.2	2.00	9.32	0.47	YES	
L0113850	0	0.20459E-02	488983.8	3754104.4	507.7	2.00	9.32	0.47	YES	
L0113851	0	0.20459E-02	489000.9	3754093.9	504.9	2.00	9.32	0.47	YES	
L0113852	0	0.20459E-02	489018.0	3754083.5	503.6	2.00	9.32	0.47	YES	
L0113853	0	0.20459E-02	489035.1	3754073.0	502.8	2.00	9.32	0.47	YES	
L0113854	0	0.20459E-02	489052.2	3754062.6	503.0	2.00	9.32	0.47	YES	
L0113855	0	0.20459E-02	489069.3	3754052.2	503.4	2.00	9.32	0.47	YES	
L0113856	0	0.20459E-02	489086.4	3754041.7	503.3	2.00	9.32	0.47	YES	

**MODELOPTs: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0113857	0	0.20459E-02	489103.5	3754031.3	502.8	2.00	9.32	0.47	YES	
L0113858	0	0.20459E-02	489120.6	3754020.8	502.0	2.00	9.32	0.47	YES	
L0113859	0	0.20459E-02	489137.7	3754010.4	500.9	2.00	9.32	0.47	YES	
L0113860	0	0.20459E-02	489154.8	3754000.0	499.5	2.00	9.32	0.47	YES	
L0113861	0	0.20459E-02	489171.9	3753989.5	498.3	2.00	9.32	0.47	YES	
L0113862	0	0.20459E-02	489189.0	3753979.1	498.7	2.00	9.32	0.47	YES	
L0113863	0	0.20459E-02	489206.1	3753968.6	499.2	2.00	9.32	0.47	YES	

L0113864	0	0.20459E-02	489223.2	3753958.2	499.4	2.00	9.32	0.47	YES
L0113865	0	0.20459E-02	489240.2	3753947.8	499.2	2.00	9.32	0.47	YES
L0113866	0	0.20459E-02	489257.3	3753937.3	498.5	2.00	9.32	0.47	YES
L0113867	0	0.20459E-02	489274.4	3753926.9	498.0	2.00	9.32	0.47	YES
L0113868	0	0.20459E-02	489291.5	3753916.4	498.0	2.00	9.32	0.47	YES
L0113869	0	0.20459E-02	489308.6	3753906.0	497.9	2.00	9.32	0.47	YES
L0113870	0	0.20459E-02	489325.7	3753895.6	498.0	2.00	9.32	0.47	YES
L0113871	0	0.20459E-02	489342.8	3753885.1	497.6	2.00	9.32	0.47	YES
L0113872	0	0.20459E-02	489359.9	3753874.7	497.0	2.00	9.32	0.47	YES
L0113873	0	0.20459E-02	489377.0	3753864.2	497.5	2.00	9.32	0.47	YES
L0113874	0	0.20459E-02	489394.1	3753853.8	497.5	2.00	9.32	0.47	YES
L0113875	0	0.20459E-02	489411.2	3753843.4	497.2	2.00	9.32	0.47	YES
L0113876	0	0.20459E-02	489428.3	3753832.9	497.2	2.00	9.32	0.47	YES
L0113877	0	0.20459E-02	489445.4	3753822.5	497.1	2.00	9.32	0.47	YES
L0113878	0	0.20459E-02	489462.5	3753812.0	497.8	2.00	9.32	0.47	YES
L0113879	0	0.20459E-02	489479.6	3753801.6	498.7	2.00	9.32	0.47	YES
L0113880	0	0.20459E-02	489496.7	3753791.2	498.9	2.00	9.32	0.47	YES
L0113881	0	0.20459E-02	489513.8	3753780.7	499.2	2.00	9.32	0.47	YES
L0113882	0	0.20459E-02	489530.9	3753770.3	499.7	2.00	9.32	0.47	YES
L0113883	0	0.20459E-02	489548.0	3753759.8	499.9	2.00	9.32	0.47	YES
L0113884	0	0.20459E-02	489565.1	3753749.4	500.0	2.00	9.32	0.47	YES
L0113885	0	0.20459E-02	489582.2	3753739.0	500.0	2.00	9.32	0.47	YES
L0113886	0	0.20459E-02	489599.3	3753728.5	500.3	2.00	9.32	0.47	YES
L0113887	0	0.20459E-02	489616.4	3753718.1	500.9	2.00	9.32	0.47	YES
L0113888	0	0.20459E-02	489633.5	3753707.6	500.8	2.00	9.32	0.47	YES
L0113889	0	0.20459E-02	489650.6	3753697.2	500.2	2.00	9.32	0.47	YES
L0113890	0	0.20459E-02	489667.7	3753686.8	499.6	2.00	9.32	0.47	YES
L0113891	0	0.20459E-02	489684.8	3753676.3	498.6	2.00	9.32	0.47	YES
L0113892	0	0.20459E-02	489701.9	3753665.9	499.3	2.00	9.32	0.47	YES
L0113893	0	0.20459E-02	489719.0	3753655.4	500.9	2.00	9.32	0.47	YES
L0113894	0	0.20459E-02	489736.1	3753645.0	502.3	2.00	9.32	0.47	YES
L0113895	0	0.20459E-02	489753.2	3753634.6	503.2	2.00	9.32	0.47	YES
L0113896	0	0.20459E-02	489770.3	3753624.1	502.8	2.00	9.32	0.47	YES

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0113897	0	0.20459E-02	489787.4	3753613.7	502.6	2.00	9.32	0.47	YES	
L0113898	0	0.20459E-02	489804.5	3753603.2	502.2	2.00	9.32	0.47	YES	
L0113899	0	0.20459E-02	489821.6	3753592.8	501.5	2.00	9.32	0.47	YES	
L0113900	0	0.20459E-02	489838.7	3753582.4	500.8	2.00	9.32	0.47	YES	
L0113901	0	0.20459E-02	489855.8	3753571.9	501.1	2.00	9.32	0.47	YES	
L0113902	0	0.20459E-02	489872.9	3753561.5	502.2	2.00	9.32	0.47	YES	
L0113903	0	0.20459E-02	489890.0	3753551.0	503.3	2.00	9.32	0.47	YES	
L0113904	0	0.20459E-02	489907.1	3753540.6	504.2	2.00	9.32	0.47	YES	
L0113905	0	0.20459E-02	489924.2	3753530.2	504.1	2.00	9.32	0.47	YES	
L0113906	0	0.20459E-02	489941.3	3753519.7	503.8	2.00	9.32	0.47	YES	
L0113907	0	0.20459E-02	489958.4	3753509.3	502.9	2.00	9.32	0.47	YES	
L0113908	0	0.20459E-02	489975.5	3753498.8	501.7	2.00	9.32	0.47	YES	
L0113909	0	0.20459E-02	489992.6	3753488.4	500.9	2.00	9.32	0.47	YES	
L0113910	0	0.20459E-02	490009.7	3753478.0	500.6	2.00	9.32	0.47	YES	
L0113911	0	0.20459E-02	490026.7	3753467.5	500.6	2.00	9.32	0.47	YES	
L0113912	0	0.20459E-02	490043.8	3753457.1	500.2	2.00	9.32	0.47	YES	
L0113913	0	0.20459E-02	490060.9	3753446.6	500.8	2.00	9.32	0.47	YES	
L0113914	0	0.20459E-02	490078.0	3753436.2	501.9	2.00	9.32	0.47	YES	
L0113915	0	0.20459E-02	490095.1	3753425.8	502.6	2.00	9.32	0.47	YES	
L0113916	0	0.53846E-03	490104.1	3753442.3	503.4	1.20	9.38	0.28	YES	
L0113917	0	0.53846E-03	490121.5	3753432.0	503.6	1.20	9.38	0.28	YES	
L0113918	0	0.53846E-03	490138.9	3753421.8	502.3	1.20	9.38	0.28	YES	
L0113919	0	0.53846E-03	490156.2	3753411.5	502.4	1.20	9.38	0.28	YES	
L0113920	0	0.53846E-03	490173.6	3753401.2	502.2	1.20	9.38	0.28	YES	
L0113921	0	0.53846E-03	490191.0	3753391.0	501.1	1.20	9.38	0.28	YES	
L0113922	0	0.53846E-03	490208.3	3753380.7	500.6	1.20	9.38	0.28	YES	
L0113923	0	0.53846E-03	490225.7	3753370.4	500.8	1.20	9.38	0.28	YES	
L0113924	0	0.53846E-03	490243.1	3753360.2	501.4	1.20	9.38	0.28	YES	
L0113925	0	0.53846E-03	490260.4	3753349.9	501.3	1.20	9.38	0.28	YES	
L0113926	0	0.53846E-03	490277.8	3753339.7	499.5	1.20	9.38	0.28	YES	
L0113927	0	0.53846E-03	490295.2	3753329.4	497.8	1.20	9.38	0.28	YES	
L0113928	0	0.53846E-03	490312.5	3753319.1	496.6	1.20	9.38	0.28	YES	
L0113929	0	0.53846E-03	490329.9	3753308.9	495.7	1.20	9.38	0.28	YES	
L0113930	0	0.53846E-03	490347.3	3753298.6	495.0	1.20	9.38	0.28	YES	
L0113931	0	0.53846E-03	490364.6	3753288.3	495.1	1.20	9.38	0.28	YES	
L0113932	0	0.53846E-03	490382.0	3753278.1	495.4	1.20	9.38	0.28	YES	
L0113933	0	0.53846E-03	490399.4	3753267.8	495.7	1.20	9.38	0.28	YES	
L0113934	0	0.53846E-03	490416.7	3753257.6	496.4	1.20	9.38	0.28	YES	
L0113935	0	0.53846E-03	490434.1	3753247.3	496.3	1.20	9.38	0.28	YES	
L0113936	0	0.53846E-03	490451.5	3753237.0	495.4	1.20	9.38	0.28	YES	

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0113937	0	0.53846E-03	490468.8	3753226.8	493.8	1.20	9.38	0.28	YES	
L0113938	0	0.53846E-03	490486.2	3753216.5	491.9	1.20	9.38	0.28	YES	
L0113939	0	0.53846E-03	490503.6	3753206.2	490.8	1.20	9.38	0.28	YES	
L0113940	0	0.53846E-03	490520.9	3753196.0	489.8	1.20	9.38	0.28	YES	
L0113941	0	0.53846E-03	490538.3	3753185.7	489.2	1.20	9.38	0.28	YES	

L0113942	0	0.53846E-03	490555.7	3753175.5	488.9	1.20	9.38	0.28	YES
L0113943	0	0.53846E-03	490573.0	3753165.2	489.4	1.20	9.38	0.28	YES
L0113944	0	0.53846E-03	490590.4	3753154.9	490.2	1.20	9.38	0.28	YES
L0113945	0	0.53846E-03	490607.8	3753144.7	491.2	1.20	9.38	0.28	YES
L0113946	0	0.53846E-03	490625.1	3753134.4	491.9	1.20	9.38	0.28	YES
L0113947	0	0.53846E-03	490642.5	3753124.1	491.4	1.20	9.38	0.28	YES
L0113948	0	0.53846E-03	490657.6	3753111.4	489.4	1.20	9.38	0.28	YES
L0113949	0	0.53846E-03	490669.5	3753095.1	487.1	1.20	9.38	0.28	YES
L0113950	0	0.53846E-03	490681.4	3753078.8	485.6	1.20	9.38	0.28	YES
L0113951	0	0.53846E-03	490693.3	3753062.5	485.1	1.20	9.38	0.28	YES
L0113952	0	0.53846E-03	490705.2	3753046.2	484.5	1.20	9.38	0.28	YES
L0113953	0	0.53846E-03	490717.1	3753029.9	484.2	1.20	9.38	0.28	YES
L0113954	0	0.53846E-03	490729.0	3753013.6	483.7	1.20	9.38	0.28	YES
L0113955	0	0.53846E-03	490740.9	3752997.3	482.8	1.20	9.38	0.28	YES
L0113956	0	0.53846E-03	490752.8	3752981.1	481.0	1.20	9.38	0.28	YES
L0113957	0	0.53846E-03	490764.7	3752964.8	478.8	1.20	9.38	0.28	YES
L0113958	0	0.53846E-03	490776.6	3752948.5	477.9	1.20	9.38	0.28	YES
L0113959	0	0.53846E-03	490788.4	3752932.2	478.1	1.20	9.38	0.28	YES
L0113960	0	0.53846E-03	490800.3	3752915.9	478.2	1.20	9.38	0.28	YES
L0113961	0	0.53846E-03	490812.2	3752899.6	477.2	1.20	9.38	0.28	YES
L0113962	0	0.53846E-03	490824.1	3752883.3	475.5	1.20	9.38	0.28	YES
L0113963	0	0.53846E-03	490836.0	3752867.0	474.1	1.20	9.38	0.28	YES
L0113964	0	0.53846E-03	490847.9	3752850.7	473.1	1.20	9.38	0.28	YES
L0113965	0	0.53846E-03	490859.8	3752834.4	473.0	1.20	9.38	0.28	YES
L0113966	0	0.53846E-03	490871.7	3752818.1	473.0	1.20	9.38	0.28	YES
L0113967	0	0.53846E-03	490883.6	3752801.8	473.0	1.20	9.38	0.28	YES
L0113968	0	0.53846E-03	490895.5	3752785.5	472.9	1.20	9.38	0.28	YES
L0113969	0	0.53846E-03	490907.4	3752769.2	472.3	1.20	9.38	0.28	YES
L0113970	0	0.53846E-03	490919.2	3752752.9	472.0	1.20	9.38	0.28	YES
L0113971	0	0.53846E-03	490931.1	3752736.6	472.4	1.20	9.38	0.28	YES
L0113972	0	0.53846E-03	490943.0	3752720.3	472.8	1.20	9.38	0.28	YES
L0113973	0	0.53846E-03	490954.9	3752704.0	473.0	1.20	9.38	0.28	YES
L0113974	0	0.53846E-03	490966.8	3752687.7	472.6	1.20	9.38	0.28	YES
L0113975	0	0.53846E-03	490978.7	3752671.4	472.1	1.20	9.38	0.28	YES
L0113976	0	0.53846E-03	490990.6	3752655.1	471.5	1.20	9.38	0.28	YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0113977	0	0.53846E-03	491002.5	3752638.8	471.0	1.20	9.38	0.28	YES	
L0113978	0	0.53846E-03	491014.4	3752622.6	471.7	1.20	9.38	0.28	YES	
L0113979	0	0.53846E-03	491026.3	3752606.3	472.4	1.20	9.38	0.28	YES	
L0113980	0	0.53846E-03	491038.2	3752590.0	472.2	1.20	9.38	0.28	YES	
L0113981	0	0.53846E-03	491050.1	3752573.7	471.2	1.20	9.38	0.28	YES	
L0113982	0	0.53846E-03	491061.9	3752557.4	470.7	1.20	9.38	0.28	YES	
L0113983	0	0.53846E-03	491073.8	3752541.1	470.8	1.20	9.38	0.28	YES	
L0113984	0	0.53846E-03	491085.7	3752524.8	471.0	1.20	9.38	0.28	YES	
L0113985	0	0.53846E-03	491097.6	3752508.5	470.7	1.20	9.38	0.28	YES	
L0113986	0	0.53846E-03	491109.5	3752492.2	468.3	1.20	9.38	0.28	YES	
L0113987	0	0.53846E-03	491121.4	3752475.9	465.7	1.20	9.38	0.28	YES	
L0113988	0	0.53846E-03	491133.3	3752459.6	464.0	1.20	9.38	0.28	YES	
L0113989	0	0.53846E-03	491145.2	3752443.3	464.0	1.20	9.38	0.28	YES	
L0113990	0	0.53846E-03	491157.1	3752427.0	464.3	1.20	9.38	0.28	YES	
L0113991	0	0.53846E-03	491169.0	3752410.7	461.9	1.20	9.38	0.28	YES	
L0113992	0	0.53846E-03	491180.9	3752394.4	460.3	1.20	9.38	0.28	YES	
L0113993	0	0.53846E-03	491192.7	3752378.1	460.5	1.20	9.38	0.28	YES	

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
PHASE1	0	0.64600E-06	485577.5	3755020.4	527.6	2.60	11	0.00	YES	
PHASE2	0	0.60200E-06	485955.1	3753354.8	492.2	2.60	24	0.00	YES	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs							
ALL	PHASE1 ,	L0113333 ,	L0113334 ,	L0113335 ,	L0113336 ,	L0113337 ,	L0113338 ,	L0113339 ,
	L0113340 ,	L0113341 ,	L0113342 ,	L0113343 ,	L0113344 ,	L0113345 ,	L0113346 ,	L0113347 ,
	L0113348 ,	L0113349 ,	L0113350 ,	L0113351 ,	L0113352 ,	L0113353 ,	L0113354 ,	L0113355 ,
	L0113356 ,	L0113357 ,	L0113358 ,	L0113359 ,	L0113360 ,	L0113361 ,	L0113362 ,	L0113363 ,
	L0113364 ,	L0113365 ,	L0113366 ,	L0113367 ,	L0113368 ,	L0113369 ,	L0113370 ,	L0113371 ,
	L0113372 ,	L0113373 ,	L0113374 ,	L0113375 ,	L0113376 ,	L0113377 ,	L0113378 ,	L0113379 ,

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          L0113380    , L0113381    , L0113382    , L0113383    , L0113384    , L0113385    , L0113386    , L0113387    ,
          L0113388    , L0113389    , L0113390    , L0113391    , L0113392    , L0113393    , L0113394    , L0113395    ,
          L0113396    , L0113397    , L0113398    , L0113399    , L0113400    , L0113401    , L0113402    , L0113403    ,
          L0113404    , L0113405    , L0113406    , L0113407    , L0113408    , L0113409    , L0113410    , L0113411    ,
          L0113412    , L0113413    , L0113414    , L0113415    , L0113416    , L0113417    , L0113418    , L0113419    ,
          L0113420    , L0113421    , L0113422    , L0113423    , L0113424    , L0113425    , L0113426    , L0113427    ,
          L0113428    , L0113429    , L0113430    , L0113431    , L0113432    , L0113433    , L0113434    , L0113435    ,
          L0113436    , L0113437    , L0113438    , L0113439    , L0113440    , L0113441    , L0113442    , L0113443    ,
          L0113444    , L0113445    , L0113446    , L0113447    , L0113448    , L0113449    , L0113450    , L0113451    ,
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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)   ***        12/02/12
                                    *** CO - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:01:49
                                                                                                                       PAGE  22
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                         FASTALL

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                              SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)   ***        12/02/12
                                    *** CO - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:01:49
                                                                                                                       PAGE  23
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                         FASTALL

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                              SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** CO - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:01:49
                                                                                                                       PAGE  24
 **MODELOPTs:  NonDFAULT CONC                                                    ELEV
                       FASTALL

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                  SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** CO - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:01:49
                                                                                                                       PAGE  25
 **MODELOPTs:  NonDFAULT CONC                                                    ELEV
                       FASTALL

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                  SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** CO - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:01:49
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 **MODELOPTs:  NonDFAULT CONC                                                    ELEV
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FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

461553.0, 462553.0, 463553.0, 464553.0, 465553.0, 466553.0, 467553.0, 468553.0, 469553.0, 470553.0,
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*** Y-COORDINATES OF GRID ***
(METERS)

3741938.3, 3742938.3, 3743938.3, 3744938.3, 3745938.3, 3746938.3, 3747938.3, 3748938.3, 3749938.3, 3750938.3,
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3761938.3, 3762938.3, 3763938.3, 3764938.3, 3765938.3, 3766938.3, 3767938.3,

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	317.90	315.50	311.70	305.80	301.50	279.60	278.50	272.60	279.20
3766938.31	336.30	305.50	294.90	294.00	283.00	268.30	267.10	395.80	277.90
3765938.31	325.60	405.70	301.30	289.30	287.10	261.20	293.50	397.30	291.80
3764938.31	311.30	365.90	350.10	293.30	273.50	258.00	261.00	288.90	288.10
3763938.31	295.70	394.50	275.10	267.50	248.90	253.00	257.10	276.60	299.60
3762938.31	266.30	266.90	261.00	243.60	247.90	254.20	263.80	281.00	306.80
3761938.31	242.70	240.00	239.10	241.70	250.50	255.90	268.10	287.50	312.50
3760938.31	227.40	232.20	233.60	267.10	260.30	266.80	279.00	295.10	323.80
3759938.31	231.00	227.90	306.60	254.10	267.80	278.00	287.90	303.00	326.30
3758938.31	225.00	236.10	253.00	263.10	271.10	278.30	294.20	306.30	325.20
3757938.31	242.90	247.20	257.60	287.20	273.70	269.10	286.50	309.40	333.40
3756938.31	240.20	249.30	257.40	270.00	287.90	314.60	321.20	305.30	333.60
3755938.31	246.00	257.10	266.10	276.80	293.20	340.60	359.10	392.00	355.20
3754938.31	248.50	260.00	276.80	296.00	315.10	378.50	397.50	424.40	446.50
3753938.31	260.60	269.80	285.70	300.20	343.20	384.50	408.70	459.30	492.70
3752938.31	270.20	283.70	306.80	324.20	359.90	410.50	453.20	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	370.10	406.50	435.60	459.70	473.80
3750938.31	302.60	319.90	344.80	357.00	359.90	410.40	467.40	475.40	487.80
3749938.31	329.00	337.50	391.80	442.20	444.30	439.90	466.10	486.40	501.00
3748938.31	396.00	335.40	377.80	424.70	452.80	466.30	492.50	530.60	513.50
3747938.31	427.10	444.20	382.70	398.40	434.20	525.50	527.90	535.40	508.80
3746938.31	441.20	476.80	468.20	415.80	447.50	476.50	480.20	486.90	492.60
3745938.31	443.70	473.10	464.50	438.00	420.80	444.80	467.60	496.10	513.30
3744938.31	430.60	450.90	441.80	434.80	446.20	468.50	540.20	507.00	518.10
3743938.31	417.00	420.10	430.30	443.00	447.20	451.30	469.00	476.40	478.80
3742938.31	435.90	446.30	466.50	498.00	501.00	511.50	481.80	517.80	556.40
3741938.31	474.60	533.00	551.60	552.10	619.20	572.30	597.50	653.00	564.20

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	283.60	289.00	304.20	312.00	323.50	341.00	348.00	353.60	357.50
3766938.31	301.20	333.70	340.60	336.20	384.40	409.90	380.20	386.80	384.50
3765938.31	313.20	342.50	448.10	359.20	407.10	458.80	482.50	461.70	459.60
3764938.31	311.10	346.40	657.00	455.30	395.40	467.20	504.80	545.20	510.30
3763938.31	325.70	353.10	435.90	504.40	420.40	430.90	500.60	554.40	626.90
3762938.31	318.70	356.60	382.20	408.20	498.60	534.40	470.90	509.90	539.10
3761938.31	411.70	551.30	580.90	449.90	615.40	776.00	690.30	617.60	548.30
3760938.31	399.70	469.40	625.60	642.80	582.20	632.10	814.90	830.10	632.90
3759938.31	352.70	380.50	666.10	820.90	599.20	547.70	579.10	784.30	625.60
3758938.31	356.30	404.00	732.30	830.30	615.10	544.90	541.10	565.00	602.60
3757938.31	390.90	429.40	509.10	790.60	782.00	562.30	524.60	545.10	576.90
3756938.31	396.60	462.40	469.80	513.40	695.40	563.20	521.90	516.20	540.60
3755938.31	451.40	484.60	457.40	488.80	514.90	515.10	503.90	508.20	511.80
3754938.31	462.00	468.90	467.80	474.40	483.10	495.10	497.10	497.00	496.10
3753938.31	485.80	444.20	462.50	468.20	470.10	483.70	489.90	488.60	488.00
3752938.31	496.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	499.70	534.90	498.40	478.90	472.10	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	472.60	465.30	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	467.20	456.80	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	476.10	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	454.60	452.80	451.90
3746938.31	525.30	513.50	511.80	533.20	519.10	469.50	454.30	454.50	447.50
3745938.31	546.30	513.20	510.80	517.60	521.80	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	533.40	477.40	461.80	449.40	445.80
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	522.10	528.30	527.90	518.60	512.50	490.80	475.50	452.00	447.80
3741938.31	593.90	581.10	555.50	534.60	537.70	549.40	498.00	460.30	442.90

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	373.90	406.60	408.60	429.30	457.00	476.70	495.00	534.80	562.90
3765938.31	441.20	390.60	450.20	458.00	486.40	516.70	539.40	562.30	602.20
3764938.31	472.90	447.20	408.10	450.00	508.00	549.40	579.80	596.40	630.70
3763938.31	573.90	480.90	465.10	443.30	451.50	526.90	616.60	643.00	665.40
3762938.31	633.40	621.10	497.10	513.60	500.30	473.20	549.60	558.50	597.70
3761938.31	633.80	696.10	578.40	595.10	536.00	493.00	521.50	573.40	589.70
3760938.31	612.70	771.50	774.50	667.50	632.60	595.90	532.50	510.00	543.10
3759938.31	750.20	721.00	823.40	796.40	718.30	624.10	577.90	559.90	566.90
3758938.31	769.50	817.80	682.00	715.80	715.30	649.00	632.00	705.60	627.80
3757938.31	654.20	735.40	726.40	625.20	646.60	603.80	643.90	673.20	703.70
3756938.31	578.40	596.10	632.00	636.80	574.80	581.40	584.90	593.20	633.90
3755938.31	534.90	550.50	557.10	551.80	558.10	556.20	551.80	549.40	578.00
3754938.31	501.90	518.80	513.20	530.30	535.20	537.10	527.60	525.60	526.30
3753938.31	484.50	494.20	500.90	507.30	527.20	515.60	503.90	503.00	496.40
3752938.31	472.20	481.00	482.10	483.90	484.30	487.50	488.10	487.40	479.60
3751938.31	472.00	468.70	466.60	469.20	467.20	475.60	513.80	650.90	533.40
3750938.31	462.20	464.30	454.80	461.90	476.80	531.30	771.00	658.60	548.10
3749938.31	461.90	456.70	491.00	524.00	524.30	563.50	580.90	550.10	513.70
3748938.31	453.60	458.80	528.40	666.50	545.30	516.50	507.70	500.10	534.60
3747938.31	448.80	453.60	630.60	614.60	504.60	497.40	478.00	495.60	566.60
3746938.31	443.40	457.10	486.30	478.00	478.00	478.00	478.00	535.10	465.60
3745938.31	444.60	444.00	451.50	478.00	478.00	478.00	544.70	620.50	435.80
3744938.31	442.20	442.80	446.20	452.70	478.00	491.40	688.80	460.70	434.70
3743938.31	442.20	443.90	443.80	449.80	518.60	704.30	461.70	433.40	439.40
3742938.31	443.00	436.50	441.80	460.50	485.80	462.50	436.60	434.40	437.20
3741938.31	440.00	440.00	443.20	464.70	494.00	451.40	435.10	436.80	444.80

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	585.60	659.90	750.50	849.50	964.60	887.60	799.80	842.60
3766938.31	620.90	644.20	726.40	740.70	749.70	765.90	746.90	783.40	825.20
3765938.31	647.50	671.10	648.30	644.30	667.00	700.80	752.10	785.40	821.00
3764938.31	645.70	628.90	634.80	634.90	658.40	717.30	744.10	769.90	803.90
3763938.31	641.80	636.10	611.10	647.70	662.20	696.20	735.10	762.10	788.90
3762938.31	567.80	579.90	612.80	639.70	683.70	703.20	737.10	760.10	788.60
3761938.31	645.00	662.30	670.20	680.00	684.30	717.00	734.10	758.40	782.00
3760938.31	605.10	665.70	651.20	671.30	699.20	686.90	709.50	748.60	777.00
3759938.31	554.60	565.70	601.70	627.90	662.80	672.60	705.00	707.60	735.00
3758938.31	691.80	646.90	606.20	641.40	617.10	646.90	656.00	701.50	705.00
3757938.31	708.00	700.40	691.40	714.50	700.80	636.00	691.20	708.50	717.50
3756938.31	671.60	698.80	672.20	693.20	762.30	676.60	660.50	722.70	744.70
3755938.31	584.70	625.90	643.00	724.20	685.50	740.50	714.80	678.00	696.50
3754938.31	538.80	559.60	583.70	611.70	661.10	631.20	658.60	711.00	714.10
3753938.31	497.80	504.20	536.20	577.90	576.60	604.60	594.70	629.30	712.60
3752938.31	476.00	484.00	483.20	521.60	511.20	551.60	565.60	597.80	713.90
3751938.31	461.80	464.20	456.50	460.80	483.90	546.20	559.10	588.10	668.30
3750938.31	452.20	443.30	437.30	433.00	456.70	508.60	521.70	564.30	641.50
3749938.31	440.90	437.90	432.30	428.00	441.00	462.30	480.10	618.00	616.20
3748938.31	447.80	435.20	433.30	430.10	431.40	434.70	436.80	562.80	649.90
3747938.31	441.10	433.70	435.40	437.00	430.60	428.00	432.60	441.60	530.80
3746938.31	435.20	470.70	436.80	436.10	434.50	439.70	433.90	437.50	452.70
3745938.31	432.10	434.70	437.10	439.10	440.90	438.60	438.10	435.60	446.20
3744938.31	435.10	440.90	436.10	438.20	441.30	441.00	441.10	438.90	439.20
3743938.31	445.10	447.60	443.00	442.10	473.20	470.40	440.10	441.00	440.30
3742938.31	453.00	463.60	463.40	470.40	558.30	719.10	644.10	446.20	448.60
3741938.31	459.30	477.60	489.00	576.80	623.40	693.40	713.10	512.00	449.70

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	884.20	929.90	993.80	1066.90	1171.60	1243.50	1319.20	1434.80	1630.30
3766938.31	883.00	946.60	1050.80	1085.60	1198.10	1517.00	1503.00	1502.80	1502.40
3765938.31	883.90	1004.20	1177.00	1131.40	1192.90	1410.70	1471.10	1478.60	1400.30
3764938.31	850.10	947.40	1013.60	1008.70	1179.60	1281.10	1301.70	1306.10	1382.20
3763938.31	829.40	857.30	905.40	964.90	1044.10	1180.20	1202.20	1179.70	1257.70
3762938.31	822.50	865.90	944.60	1007.70	1037.60	1078.00	1127.90	1158.40	1182.30
3761938.31	809.00	878.30	953.60	1169.40	1036.50	1099.60	1048.30	1047.60	1121.70
3760938.31	787.90	883.00	940.40	982.90	1006.80	962.30	991.10	1006.40	1068.70
3759938.31	799.00	833.90	872.10	865.40	882.00	901.80	917.10	980.90	1014.00
3758938.31	739.80	775.50	823.60	827.30	844.80	866.20	876.00	896.40	973.80
3757938.31	745.50	766.60	789.80	806.10	812.70	836.20	847.10	869.00	891.20
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	796.10	804.50	816.70	816.00	811.20

3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	733.70	739.00	748.20	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	698.30	742.60	758.40	806.00	784.40	793.40	782.90	776.00	774.50
3751938.31	688.50	698.30	788.50	827.60	779.20	816.00	826.50	776.50	765.50
3750938.31	637.60	658.70	761.70	746.60	753.10	763.30	778.20	767.10	824.50
3749938.31	565.10	605.60	688.00	741.70	730.60	768.40	748.50	743.00	742.90
3748938.31	600.40	581.60	634.10	689.10	721.10	712.00	735.90	695.10	721.80
3747938.31	612.80	550.40	629.60	635.50	674.00	749.80	680.90	680.10	661.60
3746938.31	475.00	519.90	658.40	668.60	636.20	659.50	635.50	626.90	644.80
3745938.31	457.70	478.30	548.30	576.50	593.60	572.70	612.10	688.50	733.30
3744938.31	445.20	446.70	455.30	487.90	797.60	730.60	713.70	991.50	924.10
3743938.31	441.00	442.60	443.20	451.00	524.60	831.50	1033.10	970.20	1073.70
3742938.31	441.80	443.80	445.20	450.00	460.10	583.10	792.30	1036.30	1119.40
3741938.31	445.60	445.70	445.30	450.20	453.60	459.80	469.30	669.80	974.60

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	677.00	570.00	311.70	305.80	301.50	279.60	328.00	406.00	735.00
3766938.31	677.00	677.00	478.00	303.00	283.00	289.00	434.00	406.00	735.00
3765938.31	677.00	478.00	518.00	478.00	287.10	429.00	434.00	434.00	735.00
3764938.31	677.00	518.00	518.00	518.00	273.50	258.00	434.00	735.00	735.00
3763938.31	677.00	518.00	518.00	518.00	248.90	253.00	257.10	735.00	758.00
3762938.31	677.00	518.00	518.00	518.00	247.90	259.00	580.00	735.00	905.00
3761938.31	518.00	518.00	518.00	373.00	250.50	255.90	580.00	905.00	932.00
3760938.31	227.40	392.00	392.00	392.00	260.30	266.80	580.00	932.00	932.00
3759938.31	231.00	392.00	392.00	392.00	267.80	278.00	905.00	932.00	932.00
3758938.31	225.00	251.00	253.00	263.10	271.10	278.30	905.00	932.00	932.00
3757938.31	242.90	247.20	257.60	343.00	319.00	294.00	905.00	932.00	932.00
3756938.31	240.20	249.30	257.40	318.00	287.90	314.60	330.00	932.00	932.00
3755938.31	246.00	257.10	266.10	276.80	432.00	432.00	359.10	404.00	932.00
3754938.31	248.50	260.00	276.80	296.00	432.00	432.00	397.50	427.00	459.00
3753938.31	260.60	269.80	337.00	300.20	372.00	401.00	408.70	459.30	492.70
3752938.31	270.20	288.00	306.80	324.20	359.90	439.00	470.00	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	374.00	498.00	498.00	466.00	473.80
3750938.31	302.60	319.90	344.80	384.00	359.90	472.00	467.40	475.40	487.80
3749938.31	411.00	337.50	458.00	458.00	446.00	448.00	466.10	486.40	501.00
3748938.31	405.00	480.00	395.00	424.70	455.00	466.30	492.50	543.00	513.50
3747938.31	428.00	456.00	498.00	398.40	559.00	559.00	537.00	535.40	508.80
3746938.31	441.20	476.80	488.00	445.00	447.50	476.50	480.20	486.90	492.60
3745938.31	445.00	478.00	468.00	438.00	420.80	450.00	467.60	496.10	513.30
3744938.31	464.00	450.90	441.80	434.80	451.00	501.00	540.20	507.00	518.10
3743938.31	417.00	422.00	430.30	632.00	633.00	633.00	661.00	685.00	478.80
3742938.31	597.00	710.00	710.00	632.00	633.00	633.00	687.00	687.00	687.00
3741938.31	710.00	710.00	710.00	736.00	633.00	602.00	661.00	680.00	734.00

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	735.00	735.00	735.00	735.00	735.00	341.00	348.00	353.60	357.50
3766938.31	735.00	735.00	735.00	735.00	735.00	481.00	563.00	634.00	642.00
3765938.31	735.00	735.00	735.00	841.00	735.00	461.00	563.00	635.00	644.00
3764938.31	735.00	758.00	735.00	735.00	941.00	941.00	941.00	941.00	941.00
3763938.31	867.00	867.00	856.00	856.00	941.00	941.00	941.00	941.00	634.00
3762938.31	932.00	932.00	941.00	941.00	941.00	941.00	941.00	941.00	941.00
3761938.31	905.00	850.00	867.00	941.00	941.00	874.00	941.00	941.00	941.00
3760938.31	932.00	932.00	905.00	905.00	941.00	941.00	941.00	941.00	941.00
3759938.31	932.00	932.00	932.00	867.00	941.00	941.00	941.00	941.00	941.00
3758938.31	932.00	932.00	932.00	905.00	932.00	941.00	941.00	941.00	941.00
3757938.31	932.00	932.00	932.00	932.00	932.00	941.00	941.00	941.00	941.00
3756938.31	932.00	932.00	932.00	932.00	932.00	932.00	941.00	941.00	890.00
3755938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	890.00
3754938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	497.00	496.10
3753938.31	485.80	932.00	932.00	932.00	932.00	932.00	489.90	488.60	488.00
3752938.31	509.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	509.00	541.00	503.00	478.90	479.00	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	479.00	490.00	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	468.00	490.00	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	478.00	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	462.00	452.80	451.90
3746938.31	566.00	513.50	511.80	536.00	519.10	469.50	454.30	454.50	457.00
3745938.31	559.00	513.20	510.80	517.60	540.00	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	548.00	477.40	461.80	449.40	447.00
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	734.00	528.30	527.90	518.60	515.00	490.80	475.50	455.00	452.00
3741938.31	734.00	734.00	555.50	534.60	537.70	549.40	597.00	460.30	442.90

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	537.00	406.60	408.60	429.30	457.00	516.00	508.00	534.80	565.00
3765938.31	644.00	537.00	495.00	525.00	493.00	516.70	539.40	588.00	645.00
3764938.31	941.00	687.00	858.00	525.00	523.00	575.00	579.80	596.40	666.00
3763938.31	687.00	941.00	858.00	858.00	858.00	623.00	625.00	643.00	677.00
3762938.31	941.00	782.00	858.00	858.00	858.00	641.00	581.00	693.00	693.00
3761938.31	941.00	858.00	858.00	858.00	858.00	858.00	555.00	616.00	654.00
3760938.31	941.00	824.00	858.00	858.00	858.00	802.00	771.00	751.00	654.00
3759938.31	887.00	890.00	833.00	829.00	802.00	771.00	771.00	774.00	774.00
3758938.31	890.00	890.00	890.00	829.00	741.00	731.00	751.00	751.00	774.00
3757938.31	890.00	890.00	890.00	890.00	684.00	603.80	738.00	774.00	774.00
3756938.31	890.00	890.00	890.00	682.00	574.80	581.40	584.90	774.00	774.00
3755938.31	890.00	890.00	890.00	721.00	558.10	556.20	551.80	549.40	607.00
3754938.31	890.00	890.00	518.00	530.30	617.00	537.10	527.60	525.60	528.00
3753938.31	484.50	494.20	500.90	617.00	617.00	615.00	811.00	811.00	777.00
3752938.31	472.20	481.00	482.10	483.90	811.00	811.00	811.00	811.00	811.00
3751938.31	472.00	468.70	466.60	798.00	811.00	811.00	811.00	811.00	811.00
3750938.31	462.20	741.00	777.00	798.00	811.00	811.00	798.00	811.00	811.00
3749938.31	766.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00	811.00
3748938.31	777.00	777.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00
3747938.31	777.00	777.00	777.00	777.00	777.00	810.00	811.00	810.00	804.00
3746938.31	777.00	777.00	777.00	777.00	810.00	810.00	810.00	810.00	810.00
3745938.31	444.60	777.00	777.00	810.00	810.00	810.00	810.00	810.00	810.00
3744938.31	442.20	442.80	757.00	810.00	810.00	810.00	810.00	810.00	810.00
3743938.31	442.20	443.90	757.00	810.00	810.00	757.00	810.00	810.00	810.00
3742938.31	443.00	436.50	757.00	757.00	810.00	810.00	810.00	810.00	810.00
3741938.31	440.00	443.00	757.00	757.00	757.00	810.00	810.00	810.00	444.80

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** CO - LST ASSESSMENT (NO REFRIGERATION) *** 10:01:49
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	985.00	1018.00	1018.00	1018.00	985.00	1018.00	1656.00	1771.00
3766938.31	626.00	757.00	757.00	985.00	1018.00	1018.00	1611.00	1677.00	1771.00
3765938.31	663.00	671.10	784.00	1018.00	1018.00	1018.00	1611.00	1677.00	1771.00
3764938.31	681.00	628.90	634.80	634.90	985.00	717.30	1611.00	1677.00	1740.00
3763938.31	668.00	687.00	638.00	664.00	690.00	721.00	735.10	1677.00	1677.00
3762938.31	686.00	682.00	684.00	690.00	689.00	720.00	737.10	1611.00	1677.00
3761938.31	686.00	678.00	682.00	691.00	705.00	717.00	734.10	758.40	1677.00
3760938.31	697.00	685.00	677.00	715.00	708.00	696.00	723.00	776.00	785.00
3759938.31	769.00	755.00	701.00	715.00	717.00	708.00	705.00	707.60	1200.00
3758938.31	755.00	762.00	764.00	648.00	712.00	677.00	736.00	710.00	705.00
3757938.31	769.00	764.00	764.00	748.00	730.00	794.00	736.00	712.00	730.00
3756938.31	760.00	761.00	764.00	763.00	794.00	794.00	735.00	728.00	744.70
3755938.31	760.00	760.00	683.00	727.00	794.00	768.00	742.00	678.00	717.00
3754938.31	546.00	639.00	627.00	727.00	711.00	768.00	747.00	739.00	757.00
3753938.31	777.00	569.00	596.00	581.00	692.00	653.00	745.00	771.00	771.00
3752938.31	811.00	777.00	575.00	529.00	628.00	615.00	625.00	771.00	746.00
3751938.31	811.00	777.00	461.00	460.80	578.00	546.20	592.00	746.00	709.00
3750938.31	811.00	811.00	437.30	433.00	456.70	518.00	713.00	713.00	680.00
3749938.31	811.00	811.00	432.30	428.00	441.00	713.00	713.00	713.00	713.00
3748938.31	811.00	729.00	729.00	432.00	439.00	713.00	713.00	713.00	663.00
3747938.31	804.00	804.00	729.00	437.00	430.60	428.00	713.00	713.00	663.00
3746938.31	810.00	804.00	599.00	436.10	434.50	439.70	433.90	653.00	663.00
3745938.31	810.00	804.00	437.10	439.10	796.00	796.00	438.10	435.60	446.20
3744938.31	810.00	804.00	436.10	796.00	796.00	796.00	796.00	796.00	439.20
3743938.31	810.00	447.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3742938.31	453.00	463.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3741938.31	459.30	477.60	796.00	796.00	796.00	796.00	781.00	796.00	796.00

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3766938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1641.00	1771.00	1771.00	1771.00
3765938.31	1771.00	1771.00	1677.00	1771.00	1771.00	1677.00	1677.00	1771.00	1771.00
3764938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3763938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3762938.31	1677.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3761938.31	1677.00	1677.00	1677.00	1183.00	1677.00	1677.00	1771.00	1771.00	1771.00
3760938.31	1677.00	1611.00	1677.00	1677.00	1677.00	1771.00	1771.00	1771.00	1677.00
3759938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1771.00	1771.00	1677.00	1333.00
3758938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1677.00	1677.00	1677.00	1058.00
3757938.31	748.00	766.60	1200.00	1200.00	1194.00	836.20	847.10	1058.00	1058.00
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	799.00	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	754.00	772.00	780.00	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	741.00	744.00	859.00	818.00	784.40	793.40	782.90	776.00	774.50
3751938.31	702.00	859.00	869.00	869.00	781.00	816.00	826.50	936.00	936.00
3750938.31	679.00	869.00	799.00	869.00	792.00	773.00	791.00	936.00	936.00
3749938.31	782.00	860.00	774.00	749.00	819.00	819.00	753.00	936.00	936.00
3748938.31	644.00	670.00	716.00	711.00	783.00	783.00	745.00	748.00	726.00

3747938.31	618.00	800.00	800.00	800.00	830.00	830.00	1129.00	1147.00	1147.00
3746938.31	800.00	800.00	800.00	800.00	1147.00	1147.00	1168.00	1168.00	1168.00
3745938.31	800.00	1133.00	1133.00	1147.00	1168.00	1168.00	1168.00	1168.00	1168.00
3744938.31	1129.00	1147.00	1168.00	1168.00	1133.00	1168.00	1168.00	1016.00	1168.00
3743938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1133.00	1168.00	1078.00
3742938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00
3741938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

437508.5, 439508.5, 441508.5, 443508.5, 445508.5, 447508.5, 449508.5, 451508.5, 453508.5, 455508.5,
457508.5, 459508.5,

*** Y-COORDINATES OF GRID ***
(METERS)

3741938.3, 3743938.3, 3745938.3, 3747938.3, 3749938.3, 3751938.3, 3753938.3, 3755938.3, 3757938.3, 3759938.3,
3761938.3, 3763938.3, 3765938.3, 3767938.3,

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 437508.49	439508.49	441508.49	443508.49	445508.49	447508.49	449508.49	451508.49	453508.49
3767938.31	278.70	285.30	282.10	280.70	275.00	277.90	283.00	282.60	285.00
3765938.31	257.10	256.20	256.30	254.40	253.20	258.60	257.60	258.30	260.20
3763938.31	227.90	232.90	232.00	228.00	234.50	235.00	239.40	233.60	236.40
3761938.31	204.70	206.30	207.90	212.60	215.70	219.00	220.00	219.30	218.10
3759938.31	182.90	189.80	194.70	198.50	197.60	203.10	206.60	207.80	215.30
3757938.31	165.00	170.80	179.40	184.10	185.50	189.70	186.20	189.30	212.40
3755938.31	183.40	156.30	171.00	172.00	179.00	178.90	195.00	231.60	267.20
3753938.31	297.00	167.00	159.60	170.70	168.90	198.40	199.00	276.70	251.50
3751938.31	233.10	222.10	158.40	161.50	168.60	180.90	208.40	273.60	242.50
3749938.31	148.40	174.50	160.10	180.60	184.70	179.00	225.50	215.00	210.10
3747938.31	133.00	318.60	252.40	228.80	233.00	226.40	196.60	205.30	305.60
3745938.31	449.00	880.40	505.60	359.50	288.70	287.50	263.60	295.30	428.00
3743938.31	507.90	688.70	809.10	484.60	403.00	365.20	334.90	270.20	327.60
3741938.31	604.00	646.60	892.40	594.40	588.80	484.90	376.60	289.80	287.70

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 455508.49	457508.49	459508.49
3767938.31	295.60	307.30	319.90
3765938.31	321.20	388.30	531.10
3763938.31	243.00	265.10	290.90
3761938.31	221.90	253.30	388.40
3759938.31	214.80	250.90	265.00
3757938.31	224.10	219.40	249.20
3755938.31	250.40	224.30	238.90
3753938.31	221.70	244.50	243.40
3751938.31	216.40	230.00	262.40
3749938.31	239.70	253.60	296.10
3747938.31	401.50	370.00	386.10
3745938.31	375.20	438.60	417.00
3743938.31	372.40	417.00	417.00
3741938.31	398.00	428.80	438.30

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 437508.49	439508.49	441508.49	443508.49	445508.49	447508.49	449508.49	451508.49	453508.49
3767938.31	278.70	285.30	282.10	280.70	275.00	286.00	283.00	282.60	285.00
3765938.31	257.10	256.20	256.30	254.40	253.20	270.00	257.60	258.30	433.00
3763938.31	227.90	232.90	232.00	228.00	234.50	235.00	239.40	244.00	236.40
3761938.31	204.70	206.30	207.90	212.60	215.70	219.00	220.00	219.30	218.10
3759938.31	182.90	189.80	201.00	198.50	197.60	203.10	206.60	207.80	215.30
3757938.31	165.00	170.80	179.40	184.10	185.50	189.70	186.20	449.00	449.00
3755938.31	235.00	163.00	171.00	172.00	179.00	299.00	195.00	449.00	449.00
3753938.31	344.00	360.00	163.00	170.70	168.90	208.00	431.00	431.00	435.00

3751938.31	926.00	926.00	926.00	926.00	168.60	180.90	431.00	439.00	439.00
3749938.31	926.00	926.00	1207.00	1210.00	926.00	179.00	231.00	215.00	566.00
3747938.31	1211.00	1183.00	1211.00	1211.00	1211.00	1211.00	1207.00	481.00	481.00
3745938.31	926.00	926.00	1211.00	1211.00	1211.00	1211.00	1211.00	522.00	522.00
3743938.31	1183.00	1183.00	849.00	1211.00	1211.00	1211.00	1211.00	1211.00	522.00
3741938.31	1183.00	1211.00	1211.00	1211.00	1211.00	1211.00	1211.00	1211.00	1140.00

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 455508.49	457508.49	459508.49
3767938.31	295.60	677.00	677.00
3765938.31	532.00	677.00	677.00
3763938.31	677.00	677.00	677.00
3761938.31	221.90	371.00	419.00
3759938.31	214.80	385.00	399.00
3757938.31	224.10	231.00	249.20
3755938.31	250.40	224.30	238.90
3753938.31	221.70	303.00	243.40
3751938.31	216.40	230.00	262.40
3749938.31	566.00	566.00	296.10
3747938.31	566.00	566.00	393.00
3745938.31	466.00	444.00	417.00
3743938.31	411.00	417.00	417.00
3741938.31	468.00	428.80	698.00

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

484551.7, 484651.7, 484751.7, 484851.7, 484951.7, 485051.7, 485151.7, 485251.7, 485351.7, 485451.7,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.4, 3751034.4, 3751134.4, 3751234.4, 3751334.4, 3751434.4, 3751534.4, 3751634.4, 3751734.4, 3751834.4,
3751934.4, 3752034.4, 3752134.4, 3752234.4, 3752334.4, 3752434.4, 3752534.4, 3752634.4, 3752734.4, 3752834.4,
3752934.4, 3753034.4, 3753134.4, 3753234.4, 3753334.4, 3753434.4, 3753534.4, 3753634.4, 3753734.4, 3753834.4,
3753934.4, 3754034.4, 3754134.4, 3754234.4, 3754334.4, 3754434.4, 3754534.4, 3754634.4,

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	524.70	525.20	523.10	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	523.30	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	521.50	520.70	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	518.70	518.40	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	516.90	518.10	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	518.10	514.80	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	517.70	512.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	515.80	511.30	512.10	511.60	512.10	508.80	506.80	509.90	509.10
3753834.43	510.50	509.90	507.90	511.00	507.90	508.00	508.50	506.70	502.40
3753734.43	507.90	507.90	506.50	506.80	505.40	503.10	508.40	504.90	503.30
3753634.43	505.40	508.10	501.40	503.70	503.70	503.30	503.20	503.00	502.00
3753534.43	502.40	500.60	501.10	505.00	504.30	501.80	501.10	498.80	499.90
3753434.43	498.20	500.10	501.50	501.30	502.50	501.60	499.50	497.50	498.00
3753334.43	498.80	499.20	497.80	498.20	498.30	499.50	497.40	496.00	496.90
3753234.43	496.80	496.00	496.70	497.80	496.40	495.20	496.20	494.90	496.00
3753134.43	498.10	497.00	494.60	493.00	495.50	495.30	497.10	492.90	491.50
3753034.43	494.30	493.10	494.60	493.00	494.00	492.80	493.70	491.30	491.10
3752934.43	487.60	488.10	490.80	488.60	490.80	489.70	490.10	490.20	488.40
3752834.43	488.90	488.00	489.10	488.80	488.50	487.50	487.80	490.40	486.40
3752734.43	486.30	487.90	485.40	485.50	485.30	487.90	484.30	486.00	484.80
3752634.43	486.90	484.10	487.00	485.90	483.90	490.10	488.80	486.00	483.20
3752534.43	483.40	482.40	478.60	483.50	481.50	482.10	483.90	481.50	482.60
3752434.43	480.00	484.30	482.60	483.00	481.10	477.10	483.10	479.20	483.50
3752334.43	478.40	481.10	480.70	479.00	480.30	479.30	481.40	480.90	483.80
3752234.43	475.80	477.00	481.50	478.90	478.30	472.50	481.10	479.50	483.70
3752134.43	475.40	478.80	479.20	479.80	480.70	479.50	480.70	485.90	491.70
3752034.43	480.20	481.20	476.20	478.10	482.00	478.70	482.40	487.10	493.80
3751934.43	475.60	477.20	479.30	478.60	479.40	482.60	487.80	490.10	497.20
3751834.43	475.90	478.80	480.40	483.60	480.90	486.20	491.70	498.90	506.50
3751734.43	482.60	483.70	490.40	491.10	488.70	490.80	495.50	501.30	512.70
3751634.43	487.30	492.60	492.30	493.50	495.90	493.70	501.30	512.90	527.00
3751534.43	490.70	494.00	501.90	502.10	505.60	504.10	514.20	535.70	561.00
3751434.43	495.40	502.10	507.10	510.40	512.40	522.30	540.90	563.70	601.20
3751334.43	500.20	504.10	509.30	515.40	516.70	531.00	556.50	596.00	635.10
3751234.43	504.80	510.60	515.40	521.50	530.10	547.10	570.50	612.20	650.20

3751134.43	512.40	513.00	516.40	540.90	547.30	559.70	574.00	609.80	636.10
3751034.43	514.10	518.70	538.20	566.60	558.70	570.80	594.70	631.60	660.00
3750934.43	532.10	531.70	564.30	576.10	577.60	587.10	618.00	658.00	693.50

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	516.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	507.50
3753934.43	507.60
3753834.43	504.10
3753734.43	502.70
3753634.43	500.40
3753534.43	500.80
3753434.43	497.40
3753334.43	496.10
3753234.43	494.70
3753134.43	492.30
3753034.43	491.70
3752934.43	485.90
3752834.43	487.20
3752734.43	485.10
3752634.43	485.10
3752534.43	484.10
3752434.43	485.40
3752334.43	484.70
3752234.43	491.00
3752134.43	493.80
3752034.43	502.20
3751934.43	504.90
3751834.43	515.40
3751734.43	523.90
3751634.43	548.80
3751534.43	594.90
3751434.43	642.40
3751334.43	689.90
3751234.43	687.90
3751134.43	679.30
3751034.43	697.10
3750934.43	732.40

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** CO - LST ASSESSMENT (NO REFRIGERATION) *** 10:01:49
PAGE 45

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	615.00	527.00	526.00	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	615.00	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	616.00	615.00	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	616.00	615.00	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	616.00	615.00	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	616.00	615.00	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	615.00	615.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	615.00	559.00	512.10	511.60	512.10	508.80	811.00	811.00	811.00
3753834.43	615.00	559.00	507.90	511.00	811.00	811.00	811.00	811.00	811.00
3753734.43	613.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00

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 3750934.43 |        811.00       811.00       811.00       811.00       811.00       811.00       811.00       811.00       811.00
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** CO - LST ASSESSMENT (NO REFRIGERATION)                               ***        10:01:49
                                                                                                                        PAGE  46
 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                        FASTALL

                                 *** NETWORK ID: UCART3   ;  NETWORK TYPE: GRIDCART ***

                                              * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     485451.71
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3754634.43 |        521.00
 3754534.43 |        520.00
 3754434.43 |        517.30
 3754334.43 |        515.90
 3754234.43 |        512.70
 3754134.43 |        511.30
 3754034.43 |        811.00
 3753934.43 |        811.00
 3753834.43 |        811.00
 3753734.43 |        811.00
 3753634.43 |        811.00
 3753534.43 |        811.00
 3753434.43 |        811.00
 3753334.43 |        811.00
 3753234.43 |        811.00
 3753134.43 |        811.00
 3753034.43 |        811.00
 3752934.43 |        811.00
 3752834.43 |        811.00
 3752734.43 |        811.00
 3752634.43 |        811.00
 3752534.43 |        811.00
 3752434.43 |        811.00
 3752334.43 |        811.00
 3752234.43 |        811.00
 3752134.43 |        811.00
 3752034.43 |        811.00
 3751934.43 |        811.00
 3751834.43 |        811.00
 3751734.43 |        811.00
 3751634.43 |        811.00
 3751534.43 |        811.00
 3751434.43 |        811.00
 3751334.43 |        811.00
 3751234.43 |        811.00
 3751134.43 |        811.00
 3751034.43 |        811.00
 3750934.43 |        811.00
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** CO - LST ASSESSMENT (NO REFRIGERATION)                               ***        10:01:49
                                                                                                                        PAGE  47
 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                        FASTALL

                                          *** GRIDDED RECEPTOR NETWORK SUMMARY ***

                                 *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                          *** X-COORDINATES OF GRID ***
                                                    (METERS)

      485549.5,  485649.5,  485749.5,  485849.5,

                                          *** Y-COORDINATES OF GRID ***
                                                    (METERS)

     3750934.9, 3751034.9, 3751134.9, 3751234.9, 3751334.9, 3751434.9, 3751534.9, 3751634.9, 3751734.9, 3751834.9,
     3751934.9, 3752034.9, 3752134.9, 3752234.9, 3752334.9, 3752434.9, 3752534.9, 3752634.9, 3752734.9, 3752834.9,
     3752934.9, 3753034.9, 3753134.9, 3753234.9, 3753334.9, 3753434.9,
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** CO - LST ASSESSMENT (NO REFRIGERATION)                               ***        10:01:49
                                                                                                                        PAGE  48
 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                        FASTALL

                                 *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                              * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     485549.47    485649.47    485749.47    485849.47
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3753434.90 |        497.00       494.70       493.80       492.50
 3753334.90 |        495.20       494.30       494.20       494.90
 3753234.90 |        493.20       495.50       492.40       492.80
 3753134.90 |        490.00       490.70       490.50       489.50
 3753034.90 |        490.20       491.70       489.20       490.10
 3752934.90 |        488.20       488.60       486.50       488.00
 3752834.90 |        489.00       487.30       488.80       488.50
 3752734.90 |        488.90       487.30       487.40       486.30
 3752634.90 |        486.00       486.60       486.90       486.00
 3752534.90 |        486.00       484.20       484.00       486.00
 3752434.90 |        485.70       485.00       488.10       493.30
 3752334.90 |        489.50       491.30       494.00       502.10
 3752234.90 |        493.50       496.70       497.00       506.50
 3752134.90 |        498.50       502.00       503.90       507.60
 3752034.90 |        508.20       508.10       511.20       522.80
 3751934.90 |        513.90       513.00       519.30       532.40
 3751834.90 |        518.10       529.70       538.40       559.00
 3751734.90 |        531.80       533.60       558.40       605.00
```

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 3751634.90 |        557.00       570.60       588.90       622.30
 3751534.90 |        599.00       611.20       626.10       628.30
 3751434.90 |        659.50       664.00       669.40       643.70
 3751334.90 |        702.50       703.50       696.20       663.60
 3751234.90 |        708.30       736.50       713.70       692.00
 3751134.90 |        720.70       748.90       725.50       720.30
 3751034.90 |        744.10       769.60       738.00       734.40
 3750934.90 |        771.00       782.40       753.40       754.20
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** CO - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:01:49
                                                                                                                       PAGE  49
 **MODELOPTs:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                  *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                              * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                          X-COORD (METERS)
    (METERS) |     485549.47    485649.47    485749.47    485849.47
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3753434.90 |        811.00       811.00       811.00       811.00
 3753334.90 |        811.00       811.00       811.00       811.00
 3753234.90 |        811.00       811.00       811.00       811.00
 3753134.90 |        811.00       811.00       811.00       811.00
 3753034.90 |        811.00       811.00       811.00       811.00
 3752934.90 |        811.00       811.00       811.00       811.00
 3752834.90 |        811.00       811.00       811.00       811.00
 3752734.90 |        811.00       811.00       811.00       811.00
 3752634.90 |        811.00       811.00       811.00       811.00
 3752534.90 |        811.00       811.00       811.00       811.00
 3752434.90 |        811.00       811.00       811.00       811.00
 3752334.90 |        811.00       811.00       811.00       811.00
 3752234.90 |        811.00       811.00       811.00       811.00
 3752134.90 |        811.00       811.00       811.00       811.00
 3752034.90 |        811.00       811.00       811.00       811.00
 3751934.90 |        811.00       811.00       811.00       811.00
 3751834.90 |        811.00       811.00       811.00       811.00
 3751734.90 |        811.00       811.00       811.00       811.00
 3751634.90 |        811.00       811.00       811.00       811.00
 3751534.90 |        811.00       811.00       811.00       811.00
 3751434.90 |        811.00       811.00       811.00       811.00
 3751334.90 |        811.00       811.00       811.00       811.00
 3751234.90 |        811.00       811.00       811.00       811.00
 3751134.90 |        811.00       811.00       811.00       811.00
 3751034.90 |        811.00       798.00       811.00       811.00
 3750934.90 |        798.00       798.00       811.00       811.00
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** CO - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:01:49
                                                                                                                       PAGE  50
 **MODELOPTs:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                         *** DISCRETE CARTESIAN RECEPTORS ***
                                    (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     ( 485619.4, 3753969.7,     505.7,     811.0,       0.0);         ( 485713.0, 3753961.9,     506.6,     811.0,       0.0);
     ( 487190.8, 3754410.3,     509.4,     776.0,       0.0);         ( 487194.8, 3754289.5,     507.2,     777.0,       0.0);
     ( 487268.8, 3754090.6,     503.1,     777.0,       0.0);         ( 487483.3, 3754102.3,     502.0,     777.0,       0.0);
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** CO - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:01:49
                                                                                                                       PAGE  51
 **MODELOPTs:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                       * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
                         LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL


                              SOURCE          - - RECEPTOR LOCATION - -         DISTANCE
                                ID           XR (METERS)   YR (METERS)         (METERS)
                           - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                              L0113488           485553.0     3754938.3            -8.64
                              L0113489           485553.0     3754938.3            -0.74
                              L0113573           487190.8     3754410.3            -0.17
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** CO - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:01:49
                                                                                                                       PAGE  52
 **MODELOPTs:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                     *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

```
                                  *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** CO - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:01:49
                                                                Page 40
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**MODELOPTS:  NonDFAULT CONC                                          ELEV
              FASTALL

                        *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

  Surface file:   RIVR2.SFC                                                                    Met Version:  11059
  Profile file:   RIVR2.PFL
  Surface format: FREE
  Profile format: FREE
  Surface station no.:        2                 Upper air station no.:     3190
                 Name: UNKNOWN                                   Name: UNKNOWN
                 Year:   2005                                    Year:   2005

First 24 hours of scalar data
YR MO DY JDY HR     HO     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    ZO  BOWEN ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
05 01 01   1 01   -7.5  0.135 -9.000 -9.000 -999.  115.     29.0  0.39   1.00   1.00    1.60  338.    9.1  279.2    5.5
05 01 01   1 02   -2.2  0.057 -9.000 -9.000 -999.   34.      7.4  0.39   1.00   1.00    0.90  264.    9.1  279.2    5.5
05 01 01   1 03   -4.0  0.070 -9.000 -9.000 -999.   42.      7.4  0.39   1.00   1.00    1.10   54.    9.1  278.8    5.5
05 01 01   1 04   -1.6  0.044 -9.000 -9.000 -999.   21.      4.7  0.39   1.00   1.00    0.70  360.    9.1  278.8    5.5
05 01 01   1 05   -2.7  0.063 -9.000 -9.000 -999.   37.      8.2  0.39   1.00   1.00    1.00  318.    9.1  278.1    5.5
05 01 01   1 06   -2.8  0.070 -9.000 -9.000 -999.   42.     10.5  0.39   1.00   1.00    1.10   53.    9.1  277.5    5.5
05 01 01   1 07   -3.8  0.070 -9.000 -9.000 -999.   42.      7.7  0.39   1.00   1.00    1.10  134.    9.1  278.8    5.5
05 01 01   1 08   -2.3  0.057 -9.000 -9.000 -999.   31.      7.0  0.39   1.00   0.53    0.90  319.    9.1  278.8    5.5
05 01 01   1 09   29.7  0.193  0.388  0.005   69.  195.    -21.1  0.39   1.00   0.32    1.20  110.    9.1  282.0    5.5
05 01 01   1 10   78.5  0.248  1.193  0.005  760.  285.    -17.1  0.39   1.00   0.25    1.50  107.    9.1  284.2    5.5
05 01 01   1 11  118.9  0.316  1.511  0.007 1020.  409.    -23.3  0.39   1.00   0.22    2.00  122.    9.1  285.9    5.5
05 01 01   1 12  132.2  0.238  1.665  0.009 1227.  270.     -9.0  0.39   1.00   0.21    1.30  154.    9.1  287.0    5.5
05 01 01   1 13   80.9  0.249  1.421  0.009 1245.  286.    -16.8  0.39   1.00   0.21    1.50  166.    9.1  287.0    5.5
05 01 01   1 14   80.7  0.305  1.427  0.009 1263.  388.    -31.0  0.39   1.00   0.23    2.00  235.    9.1  287.5    5.5
05 01 01   1 15   36.6  0.321  1.098  0.009 1270.  419.    -79.5  0.39   1.00   0.26    2.30  305.    9.1  286.4    5.5
05 01 01   1 16    1.2  0.206  0.354  0.009 1271.  221.   -629.7  0.39   1.00   0.35    1.60  292.    9.1  285.9    5.5
05 01 01   1 17  -11.9  0.181 -9.000 -9.000 -999.  178.     44.1  0.39   1.00   0.63    1.90  280.    9.1  285.4    5.5
05 01 01   1 18  -17.1  0.313 -9.000 -9.000 -999.  404.    158.3  0.39   1.00   1.00    2.70  304.    9.1  284.2    5.5
05 01 01   1 19   -8.7  0.159 -9.000 -9.000 -999.  161.     40.6  0.39   1.00   1.00    1.70  311.    9.1  283.8    5.5
05 01 01   1 20   -3.8  0.070 -9.000 -9.000 -999.   48.      7.8  0.39   1.00   1.00    1.10   13.    9.1  283.1    5.5
05 01 01   1 21   -4.7  0.076 -9.000 -9.000 -999.   48.      8.2  0.39   1.00   1.00    1.20    8.    9.1  282.0    5.5
05 01 01   1 22   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80  183.    9.1  280.9    5.5
05 01 01   1 23   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   16.    9.1  280.4    5.5
05 01 01   1 24   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   62.    9.1  279.9    5.5


First hour of profile data
YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
05 01 01 01    5.5 0 -999.  -99.00   279.3   99.0  -99.00  -99.00
05 01 01 01    9.1 1  338.    1.60  -999.0   99.0  -99.00  -99.00

F indicates top of profile (=1) or below (=0)
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                 *** CO - LST ASSESSMENT (NO REFRIGERATION)                                ***        10:01:49
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**MODELOPTS:  NonDFAULT CONC                                          ELEV
              FASTALL

                        *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                            INCLUDING SOURCE(S):     PHASE1      , L0113333    , L0113334    , L0113335    , L0113336    ,
              L0113337    , L0113338    , L0113339    , L0113340    , L0113341    , L0113342    , L0113343    , L0113344    ,
              L0113345    , L0113346    , L0113347    , L0113348    , L0113349    , L0113350    , L0113351    , L0113352    ,
              L0113353    , L0113354    , L0113355    , L0113356    , L0113357    , L0113358    , L0113359    ,  . . .      ,

                        *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                             ** CONC OF CO       IN MICROGRAMS/M**3                          **

 Y-COORD  |                                          X-COORD (METERS)
 (METERS) |       461553.03              462553.03              463553.03              464553.03              465553.03
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

3767938.3 |      8.57956 (07092502)     11.03649 (07092502)     12.15952 (07092502)     11.13906 (07092502)      9.37703 (07102620)
3766938.3 |      8.43907 (07060702)      8.19965 (07060702)      9.55520 (07092502)     11.88719 (07092502)     12.43243 (07092502)
3765938.3 |      9.38315 (06092623)      9.85797 (07121101)      8.66325 (07060702)      8.48048 (07060702)     10.70994 (07092502)
3764938.3 |      8.97518 (07100404)     10.08318 (07100404)     10.02210 (06092623)      9.57717 (07121101)      8.97579 (07060702)
3763938.3 |      8.57790 (07092223)      8.82334 (07092223)      8.87264 (07100404)      9.86757 (07100404)      9.84338 (06092623)
3762938.3 |      8.51654 (07100903)      8.70955 (06092104)      8.83225 (07092223)      8.78175 (07092223)      8.75226 (07100404)
3761938.3 |      8.30479 (06123006)      8.53015 (07121805)      8.80202 (07091801)      9.03716 (07100903)      9.31207 (06092104)
3760938.3 |      9.28302 (07121904)      9.48441 (07121904)      9.14694 (07121904)      9.13823 (06123006)      9.33099 (07121805)
3759938.3 |      8.80882 (07111902)      9.47495 (07111902)     10.26473 (07111902)      9.89846 (07121904)     10.51873 (07121904)
3758938.3 |      9.39751 (06093005)      9.71884 (07091305)      9.83187 (07091305)      9.58760 (07091305)      9.93924 (07111902)
3757938.3 |      9.28144 (07010408)      9.61073 (07010408)      9.78869 (07010408)     10.28978 (07082005)     10.68537 (07082005)
3756938.3 |     12.13377 (07082705)     12.24438 (07082705)     12.22056 (07082705)     12.11191 (07082705)     11.93719 (07082705)
3755938.3 |      9.28610 (07082705)     10.30395 (07082705)     11.33124 (07082705)     12.36663 (07082705)     13.42475 (07082705)
3754938.3 |      8.36073 (07093001)      8.66354 (07093001)      9.00001 (07093001)      9.48219 (07070203)     10.09705 (07070203)
3753938.3 |      8.42273 (07091605)      8.66298 (07091605)      8.95223 (07091605)      9.25501 (07091605)      9.77559 (07091605)
3752938.3 |     10.41440 (07121524)     10.91789 (07121524)     11.53550 (07121524)     12.14812 (07121524)     13.00068 (07121524)
3751938.3 |     11.24333 (07121524)     11.40691 (07121524)     11.60009 (07121524)     11.95261 (07121524)     12.39563 (07121524)
3750938.3 |     10.44542 (07051105)     11.21188 (07051105)     12.04411 (07051105)     12.73889 (07051105)     13.29677 (07051105)
3749938.3 |     11.56755 (07121401)     11.93442 (07121401)     12.63022 (07121401)     13.19675 (07121401)     13.08156 (07121401)
3748938.3 |      9.56264 (07121401)      8.50225 (07121401)      8.11453 (05120106)      9.08926 (07103105)     10.01829 (07103105)
3747938.3 |      9.20168 (07103105)      9.68994 (07103105)      9.29006 (07103105)      9.28918 (07103105)      9.77105 (06100505)
3746938.3 |      9.02579 (06100505)      9.80689 (06100505)      9.86637 (06100505)      9.21189 (06100505)      9.00918 (06100505)
3745938.3 |      8.59114 (06100505)      8.71371 (06123105)      8.86724 (07042402)      8.74065 (06121106)      8.49033 (06121106)
3744938.3 |      8.17998 (06121106)      8.22329 (06121106)      7.96884 (05030406)      8.72695 (07091806)      9.41782 (07091806)
3743938.3 |      7.78079 (07091806)      8.55961 (07091806)      8.94992 (07091806)      9.07452 (07020703)      9.08573 (07020703)
3742938.3 |      8.58641 (07091806)      8.78520 (07020703)      8.75655 (07020703)      9.20155 (07091423)     10.12754 (07091423)
3741938.3 |      8.32148 (07020703)     10.14209 (07091423)     10.81525 (07091423)     10.73823 (07091423)     10.44502 (07092702)
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                 *** CO - LST ASSESSMENT (NO REFRIGERATION)                                ***        10:01:49
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**MODELOPTS:  NonDFAULT CONC                                          ELEV
              FASTALL

                        *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                            INCLUDING SOURCE(S):     PHASE1      , L0113333    , L0113334    , L0113335    , L0113336    ,
              L0113337    , L0113338    , L0113339    , L0113340    , L0113341    , L0113342    , L0113343    , L0113344    ,
              L0113345    , L0113346    , L0113347    , L0113348    , L0113349    , L0113350    , L0113351    , L0113352    ,
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                L0113353    , L0113354    , L0113355    , L0113356    , L0113357    , L0113358    , L0113359    ,  . . .      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF CO       IN MICROGRAMS/M**3                          **

 Y-COORD  |                                                 X-COORD (METERS)
 (METERS) |       466553.03              467553.03              468553.03              469553.03              470553.03
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3765938.3	13.73323 (07020206)	11.59457 (06110122)	13.87701 (07092705)	16.59760 (07092705)	15.59348 (07062603)
3764938.3	17.26397 (07020206)	16.13900 (06110122)	13.75772 (07031523)	16.90652 (07092705)	17.74131 (07062603)
3763938.3	18.26280 (07093024)	19.43334 (07020206)	17.42031 (06110122)	18.43714 (07090104)	19.47398 (07092705)
3762938.3	19.33010 (07093024)	20.20181 (07093024)	21.68522 (07020206)	18.95716 (06110122)	19.59173 (07031523)
3761938.3	19.40783 (07082106)	21.86415 (07082106)	23.61109 (07093024)	21.69034 (07020206)	18.88534 (06110122)
3760938.3	18.27682 (07092502)	17.39365 (07082106)	24.01600 (07082106)	24.75555 (07093024)	20.13196 (07020206)
3759938.3	23.28331 (06110723)	22.25932 (07092502)	24.59971 (07102620)	22.64790 (07082106)	23.92109 (07093024)
3758938.3	24.95067 (06092623)	26.09238 (06120907)	27.91843 (07092502)	24.40472 (07092502)	21.20561 (07082106)
3757938.3	23.69148 (07092223)	26.92316 (07092223)	30.25288 (07100404)	28.68087 (07121101)	28.37979 (07092502)
3756938.3	24.28461 (07121904)	24.84998 (07121805)	30.54888 (07091801)	32.06883 (06092104)	35.47032 (07100404)
3755938.3	22.35253 (07091305)	24.62368 (07111902)	27.88649 (07111902)	34.71158 (07121904)	37.46549 (07121904)
3754938.3	28.84247 (07082705)	30.27052 (07082705)	31.43086 (07082705)	32.26496 (07082705)	38.72679 (07091305)
3753938.3	19.35487 (07121524)	21.47672 (07121524)	23.85540 (07121524)	28.73442 (07082705)	37.57328 (07082705)
3752938.3	25.12072 (07121524)	27.12091 (07121524)	29.62480 (07121524)	32.33942 (07121524)	36.29610 (07121524)
3751938.3	23.77473 (07051105)	25.36384 (07121401)	27.06572 (07121401)	28.30249 (07121401)	28.66978 (07121401)
3750938.3	15.17762 (07103105)	15.87400 (06100505)	17.16742 (06100505)	17.77755 (07042402)	21.56107 (07092702)
3749938.3	13.47697 (07042402)	14.41621 (07091806)	15.80416 (07091806)	22.16886 (07092702)	27.19206 (07092702)
3748938.3	13.27573 (07020703)	17.42908 (07092702)	21.63702 (07092702)	23.40679 (07092702)	20.29989 (07092702)
3747938.3	17.90098 (07092702)	20.00204 (07092702)	18.61965 (07092702)	14.61467 (07092702)	20.50129 (07122901)
3746938.3	17.16333 (07092702)	14.41425 (07092702)	12.68303 (06083104)	17.73460 (07122901)	21.12304 (07122901)
3745938.3	10.96202 (06100306)	11.76759 (06083104)	15.80873 (07122901)	18.58876 (07122901)	15.73760 (07122901)
3744938.3	11.07359 (06083104)	14.34535 (07122901)	16.82383 (07122901)	14.68370 (07122901)	11.56323 (07062605)
3743938.3	13.27565 (07122901)	15.49982 (07122901)	13.86765 (07122901)	10.51572 (06112404)	11.34103 (07062605)
3742938.3	14.59713 (07122901)	13.15464 (07122901)	10.09887 (06112404)	10.54700 (07062605)	10.62807 (06101207)
3741938.3	13.25443 (07122901)	9.83224 (06112404)	9.61150 (07062605)	10.08482 (06101207)	10.29322 (07091523)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** CO - LST ASSESSMENT (NO REFRIGERATION) *** 10:01:49
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113333 , L0113334 , L0113335 , L0113336 ,
L0113337 , L0113338 , L0113339 , L0113340 , L0113341 , L0113342 , L0113343 , L0113344 ,
L0113345 , L0113346 , L0113347 , L0113348 , L0113349 , L0113350 , L0113351 , L0113352 ,
L0113353 , L0113354 , L0113355 , L0113356 , L0113357 , L0113358 , L0113359 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 481553.03	482553.03	483553.03	484553.03	485553.03
3767938.3	9.57844 (07102602)	9.95339 (07090904)	9.91833 (07062705)	10.93731 (07072406)	13.81498 (07072406)
3766938.3	10.41315 (07102602)	10.21883 (07070424)	10.56309 (07090904)	11.00085 (07072406)	14.79867 (07072406)
3765938.3	13.33974 (07062603)	10.96823 (07070424)	11.65043 (07090904)	13.68979 (07062705)	17.49532 (07072406)
3764938.3	15.98946 (07062603)	11.80133 (07102602)	13.86417 (07090904)	17.82755 (07062705)	18.53925 (07072406)
3763938.3	19.62100 (07062603)	15.96589 (07062603)	12.48308 (07070424)	17.02479 (07062705)	19.35950 (07092501)
3762938.3	22.29281 (07092705)	20.82835 (07062603)	15.45637 (07102602)	14.05279 (07090904)	21.44112 (07092501)
3761938.3	22.43239 (07031523)	23.95488 (07062603)	21.85782 (07102602)	16.27328 (07090904)	22.04777 (07072406)
3760938.3	17.39678 (06110122)	23.32323 (07092705)	24.90932 (07062603)	25.59014 (07020221)	24.26107 (07062705)
3759938.3	20.06924 (07020206)	17.74947 (06110122)	23.92273 (07092705)	27.53965 (07102602)	31.24831 (06092223)
3758938.3	28.80518 (07082106)	26.23891 (07020206)	23.35082 (07092705)	31.61484 (07062603)	30.98286 (07090904)
3757938.3	28.45995 (07092502)	37.21424 (07082106)	34.97050 (07093024)	37.44433 (07092705)	34.13078 (07062603)
3756938.3	36.97491 (06092623)	42.83452 (07092502)	47.96635 (07082106)	50.42245 (07093024)	51.79704 (07092705)
3755938.3	40.14295 (07091801)	47.25025 (07092223)	58.77477 (06092623)	69.14834 (07092502)	72.37440 (07082106)
3754938.3	42.17405 (07111902)	50.07638 (07111902)	58.46607 (07121904)	74.78680 (07121904)	132.21017 (07100404)
3753938.3	49.26206 (07082705)	59.29769 (07082705)	64.13635 (07082705)	82.93858 (07082005)	118.94812 (07111902)
3752938.3	41.30490 (07121524)	48.11021 (07121524)	58.07036 (07051105)	76.39078 (07051105)	108.13500 (07051105)
3751938.3	27.60961 (07121401)	30.86811 (07092702)	39.99635 (07092702)	55.53524 (07092702)	75.09909 (07091523)
3750938.3	28.34168 (07092702)	36.12437 (07092702)	36.97439 (07122901)	47.76939 (06112404)	31.56284 (07103104)
3749938.3	28.36925 (07092702)	32.13025 (06083104)	35.72697 (07122901)	42.06006 (07091523)	40.23352 (07103104)
3748938.3	26.75552 (07122901)	24.48251 (06112404)	33.37173 (06101207)	28.29234 (06092806)	35.82086 (07103104)
3747938.3	23.23005 (07122901)	26.04522 (07062605)	21.18307 (07091523)	28.94573 (07103104)	29.52604 (07111806)
3746938.3	17.40097 (07122901)	15.51867 (06101207)	16.11523 (06092806)	26.96450 (07103104)	24.40937 (07111806)
3745938.3	13.40132 (07062605)	14.21430 (07091523)	14.45964 (06092806)	24.24695 (07103104)	22.11703 (06092624)
3744938.3	12.38781 (06101207)	12.57685 (06092806)	17.27912 (07103104)	21.72540 (07111806)	17.32842 (06092624)
3743938.3	11.64858 (07091523)	11.86612 (06092806)	19.49831 (07103104)	17.04080 (07111806)	14.61220 (07111806)
3742938.3	10.60393 (06092806)	10.97318 (07103103)	18.09967 (07103104)	17.03816 (07111806)	12.10089 (07111806)
3741938.3	10.43172 (06092806)	12.14746 (07103104)	16.76154 (07103104)	15.04405 (07111806)	10.62596 (06092624)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** CO - LST ASSESSMENT (NO REFRIGERATION) *** 10:01:49
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113333 , L0113334 , L0113335 , L0113336 ,
L0113337 , L0113338 , L0113339 , L0113340 , L0113341 , L0113342 , L0113343 , L0113344 ,
L0113345 , L0113346 , L0113347 , L0113348 , L0113349 , L0113350 , L0113351 , L0113352 ,
L0113353 , L0113354 , L0113355 , L0113356 , L0113357 , L0113358 , L0113359 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 486553.03	487553.03	488553.03	489553.03	490553.03
3767938.3	13.00626 (07072406)	12.96097 (07090105)	14.20612 (06091106)	14.82189 (07073005)	14.02152 (06101124)
3766938.3	14.26156 (07081506)	15.91319 (07073006)	15.61755 (06091106)	15.29344 (07071206)	13.74678 (07090702)
3765938.3	17.15490 (07081506)	16.96978 (07073006)	16.22468 (06091106)	15.81334 (07071206)	16.07086 (07082706)
3764938.3	18.40260 (07081506)	17.66081 (07091001)	17.41832 (07061005)	17.77776 (07083101)	17.94422 (07081304)
3763938.3	18.65198 (07072506)	18.23836 (07091001)	19.00949 (07073005)	19.11000 (06101124)	19.70005 (07081905)
3762938.3	22.58125 (07072506)	22.33053 (07073006)	22.45903 (07102519)	22.15932 (07090702)	21.45272 (07081905)
3761938.3	25.74169 (07090124)	25.11983 (07073006)	22.90896 (07071206)	22.68627 (07081304)	20.13989 (06092705)
3760938.3	25.80153 (07072406)	26.22027 (07091001)	27.36660 (06091104)	25.30337 (07081905)	23.59461 (07120122)
3759938.3	34.06359 (07072406)	33.54284 (07103106)	32.36736 (07090702)	31.62967 (06092705)	28.54096 (07081206)
3758938.3	28.86193 (07072406)	34.87203 (06112705)	30.28065 (07081905)	30.49618 (07092405)	28.90524 (07082606)
3757938.3	35.59184 (07092501)	32.81948 (06091106)	31.10689 (07081905)	30.16690 (07081206)	24.14280 (07092601)
3756938.3	59.72836 (07062705)	52.41388 (07071206)	41.51662 (07081206)	26.52317 (07092601)	28.94340 (07071305)
3755938.3	95.43890 (07062603)	98.86815 (07081905)	57.02300 (07071305)	38.88310 (07071305)	32.81225 (07111724)
3754938.3	151.81998 (07092502)	134.55130 (07062901)	84.03221 (07082902)	56.60944 (07111901)	42.37218 (07062503)

3753938.3	105.50665 (07100404)	107.14357 (07111807)	88.01836 (07063005)	91.77789 (07082902)	65.60994 (07111901)
3752938.3	116.22291 (07103104)	113.83368 (07111807)	152.87205 (07062005)	107.24340 (07111822)	102.07524 (07111822)
3751938.3	49.32983 (07111806)	88.36882 (07111905)	61.89650 (07111807)	59.19267 (07062005)	64.63112 (07062005)
3750938.3	37.58955 (06092624)	56.12823 (07111905)	36.17142 (07090805)	45.48634 (07111807)	38.82798 (07062005)
3749938.3	41.56938 (07092102)	40.54279 (07111905)	30.61177 (07111905)	32.18765 (07111807)	35.93990 (07111807)
3748938.3	24.69179 (06092624)	32.82059 (07051006)	30.07504 (07111905)	22.90705 (07090805)	29.43901 (07111807)
3747938.3	20.88422 (06092624)	30.21493 (07051006)	27.94667 (07111905)	19.38931 (07092303)	19.39458 (07060803)
3746938.3	23.61687 (07100201)	21.87220 (07111905)	25.20527 (07111905)	18.43954 (07111905)	17.14322 (07090805)
3745938.3	21.49391 (07071401)	17.40754 (07111905)	22.51161 (07111905)	18.16061 (07111905)	15.26801 (07092303)
3744938.3	13.82543 (07100201)	13.54288 (07091006)	20.29911 (07111905)	18.42114 (07111905)	13.54835 (07072604)
3743938.3	12.43249 (07100201)	12.45659 (07091006)	18.51360 (07111905)	18.16454 (07111905)	12.78111 (07110603)
3742938.3	11.56337 (07100201)	11.53619 (07091006)	16.76325 (07111905)	17.67808 (07111905)	12.29473 (07111905)
3741938.3	10.85492 (07100201)	10.88605 (07091006)	14.89483 (07111905)	16.91756 (07111905)	13.31131 (07111905)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** CO - LST ASSESSMENT (NO REFRIGERATION) *** 10:01:49
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113333 , L0113334 , L0113335 , L0113336 ,
L0113337 , L0113338 , L0113339 , L0113340 , L0113341 , L0113342 , L0113343 , L0113344 ,
L0113345 , L0113346 , L0113347 , L0113348 , L0113349 , L0113350 , L0113351 , L0113352 ,
L0113353 , L0113354 , L0113355 , L0113356 , L0113357 , L0113358 , L0113359 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 491553.03	492553.03	493553.03	494553.03	495553.03
3767938.3	13.88733 (07081304)	13.47487 (07081905)	8.01741 (06092705)	11.17353 (07120122)	11.34271 (07092405)
3766938.3	14.18649 (07081304)	13.73997 (07081905)	11.77318 (07120122)	12.73869 (07092405)	13.50174 (07081206)
3765938.3	16.58755 (07081905)	14.83127 (06092705)	14.09645 (07120122)	13.55158 (07081206)	13.62275 (07081206)
3764938.3	17.14213 (07081905)	15.87315 (07102906)	14.39255 (07092405)	15.03744 (07081206)	12.10662 (07081206)
3763938.3	17.83335 (06092705)	16.91846 (07092405)	16.73909 (07081206)	13.86847 (07081206)	13.44583 (07040202)
3762938.3	19.51793 (07102906)	17.64207 (07081206)	16.23065 (07081206)	14.84355 (07101103)	13.91506 (07092601)
3761938.3	19.68751 (07092405)	19.17243 (07081206)	16.51676 (07101103)	15.43477 (07092601)	14.22949 (07070204)
3760938.3	22.62821 (07081206)	18.51777 (07101103)	18.23057 (07092601)	16.59764 (07070204)	15.86831 (07071305)
3759938.3	23.55452 (07101103)	21.11943 (07092601)	19.31453 (07070204)	18.70895 (07071305)	18.17880 (07080906)
3758938.3	24.85090 (07092601)	23.68847 (07070204)	22.76608 (07071305)	20.63188 (07080906)	18.93979 (07111724)
3757938.3	22.85275 (07071305)	22.94418 (07062901)	24.07438 (07111724)	19.84558 (07111724)	17.06042 (07063005)
3756938.3	25.36234 (07080906)	20.23058 (07111724)	20.53668 (07063005)	20.31381 (06101102)	16.77526 (07122005)
3755938.3	21.91784 (07111724)	21.75635 (06101102)	17.60417 (07122005)	18.87670 (07111901)	20.46127 (07082902)
3754938.3	33.83421 (07062503)	27.84542 (07111901)	29.29917 (07111901)	27.48405 (07111901)	23.86678 (07111901)
3753938.3	51.23610 (07111901)	46.65582 (07062503)	38.41667 (07100906)	35.62107 (07100906)	30.35699 (07100906)
3752938.3	77.91057 (07092406)	62.40464 (07100402)	48.73663 (07100402)	41.12784 (07100402)	34.40342 (07100402)
3751938.3	57.16488 (07062005)	46.61256 (07012907)	51.10237 (07111822)	41.88570 (07091224)	34.92721 (07081005)
3750938.3	45.29794 (07062005)	43.90377 (07062005)	39.27605 (07092401)	38.90889 (07100204)	37.81125 (07012907)
3749938.3	29.54199 (07111807)	35.70881 (07062005)	37.80438 (07062005)	25.42128 (07080306)	32.20947 (07092401)
3748938.3	29.31392 (07111807)	24.11134 (07111807)	28.60553 (07062005)	31.59035 (07062005)	30.12591 (06123101)
3747938.3	27.13434 (07111807)	24.82420 (07111807)	18.82320 (07111807)	23.57910 (07062005)	27.19543 (07062005)
3746938.3	19.25831 (07111807)	24.23904 (07111807)	21.98846 (07111807)	15.62818 (07020104)	19.54049 (07062005)
3745938.3	15.14156 (07060803)	19.62542 (07111807)	21.63285 (07111807)	19.19328 (07111807)	14.24079 (07020104)
3744938.3	13.88959 (07090805)	13.64610 (07060803)	19.14513 (07111807)	19.36248 (07111807)	16.47690 (07111807)
3743938.3	12.83157 (07092303)	12.80831 (07060803)	13.12548 (07111807)	18.20444 (07111807)	17.47923 (07111807)
3742938.3	11.88337 (07092303)	17.41464 (07090805)	14.91804 (07060803)	15.61245 (06123107)	17.16824 (07111807)
3741938.3	16.27422 (06091123)	15.82895 (07092303)	13.84953 (07090805)	13.95190 (06123107)	15.19645 (07111807)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113333 , L0113334 , L0113335 , L0113336 ,
L0113337 , L0113338 , L0113339 , L0113340 , L0113341 , L0113342 , L0113343 , L0113344 ,
L0113345 , L0113346 , L0113347 , L0113348 , L0113349 , L0113350 , L0113351 , L0113352 ,
L0113353 , L0113354 , L0113355 , L0113356 , L0113357 , L0113358 , L0113359 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 496553.03	497553.03	498553.03	499553.03	500553.03
3767938.3	13.01886 (07081206)	11.23414 (07081206)	8.12070 (07101103)	6.63041 (06102024)	5.39067 (06100104)
3766938.3	12.44263 (07081206)	10.35866 (07101103)	8.37170 (07081806)	5.82254 (06100104)	5.36654 (06082924)
3765938.3	10.63629 (07081206)	11.32260 (07040202)	7.04039 (07122408)	4.80146 (07051602)	5.01969 (06070601)
3764938.3	12.28093 (07040202)	11.73324 (07092601)	8.74527 (07070405)	6.56750 (07070504)	6.85605 (07071305)
3763938.3	12.77486 (07092601)	12.00163 (07070405)	11.54736 (07012104)	11.93119 (07071305)	9.76763 (07062901)
3762938.3	12.86352 (07070405)	12.13084 (07012104)	13.82091 (07071305)	10.40227 (07062901)	7.07621 (07090305)
3761938.3	13.68923 (07071305)	14.85732 (07071305)	14.32870 (07080906)	9.98368 (07111724)	4.89575 (06080305)
3760938.3	15.93795 (07062901)	14.96134 (07080906)	14.51955 (07111724)	10.60318 (07111724)	8.46086 (07111724)
3759938.3	16.63139 (07111724)	15.52274 (07111724)	13.43690 (07111724)	12.23538 (07063005)	12.04419 (06101102)
3758938.3	16.68618 (07111724)	14.78157 (07063005)	13.70802 (06101102)	12.81968 (07122005)	12.26393 (07122005)
3757938.3	16.22339 (06101102)	14.92689 (07122005)	13.32547 (07122005)	12.74636 (07082902)	13.17227 (07082902)
3756938.3	15.25904 (07082902)	15.63718 (07082902)	15.30475 (07082902)	14.66428 (07111720)	14.64144 (07111901)
3755938.3	19.85940 (07111901)	19.61297 (07111901)	19.30555 (07111901)	18.67437 (07111901)	17.66911 (07111901)
3754938.3	22.74486 (07062503)	21.54578 (07062503)	20.34563 (07062503)	18.87271 (07062503)	18.47724 (07100906)
3753938.3	23.83420 (07100906)	21.02948 (07100906)	19.05660 (07081605)	17.61108 (07081605)	15.98781 (07081605)
3752938.3	24.54687 (07100402)	23.64576 (07100402)	20.47891 (07100402)	18.97714 (07100402)	17.11344 (07100402)
3751938.3	27.84347 (06123024)	25.45362 (06123024)	23.23658 (06123024)	18.62874 (06123024)	16.47162 (06123024)
3750938.3	30.66240 (07111822)	28.03368 (07111822)	23.63557 (07121102)	18.31850 (07091224)	17.96512 (07081005)
3749938.3	27.35492 (07022524)	29.81384 (07100204)	27.44006 (07012907)	22.84960 (07122823)	20.31508 (07111822)
3748938.3	26.82196 (07080306)	27.52451 (07031704)	24.41054 (07022524)	23.09172 (07101801)	20.17929 (07012907)
3747938.3	25.94782 (07062005)	24.15126 (07072002)	25.31197 (07080306)	22.58545 (07031704)	19.87238 (07022524)
3746938.3	23.58020 (07062005)	23.56331 (07062005)	20.15241 (06123101)	19.77860 (05052005)	20.37066 (07080306)
3745938.3	15.96376 (07062005)	20.48764 (07062005)	21.82121 (07062005)	20.04427 (06090502)	19.73159 (07072002)
3744938.3	13.24292 (07020104)	12.98964 (06091801)	17.64712 (07062005)	19.67748 (07062005)	17.53334 (07062005)
3743938.3	13.84796 (07111807)	12.48109 (07020104)	12.16345 (06091801)	15.18082 (07062005)	17.85343 (07062005)
3742938.3	15.97090 (07111807)	11.70239 (07103102)	11.89951 (07020104)	11.54873 (06091801)	12.97827 (07062005)

3741938.3	16.05992 (07111807)	14.42140 (07111807)	11.13524 (07103102)	11.42543 (07020104)	11.05994 (06091801)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** CO - LST ASSESSMENT (NO REFRIGERATION) *** 10:01:49
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113333 , L0113334 , L0113335 , L0113336 ,
L0113337 , L0113338 , L0113339 , L0113340 , L0113341 , L0113342 , L0113343 , L0113344 ,
L0113345 , L0113346 , L0113347 , L0113348 , L0113349 , L0113350 , L0113351 , L0113352 ,
L0113353 , L0113354 , L0113355 , L0113356 , L0113357 , L0113358 , L0113359 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501553.03	502553.03	503553.03	504553.03	505553.03
3767938.3	4.45932 (07080606)	3.73329 (07110803)	3.16597 (07090320)	2.40232 (05072122)	2.03618 (07062806)
3766938.3	4.26064 (06051205)	2.01337 (07091507)	2.03276 (07062806)	2.10834 (07062806)	2.04739 (07062806)
3765938.3	4.37403 (06072422)	2.67564 (05072122)	2.20744 (07062806)	2.09345 (05062306)	2.51164 (06093018)
3764938.3	4.46738 (07062822)	3.54180 (07081221)	3.27668 (07080321)	3.17257 (07072223)	2.64795 (05072722)
3763938.3	5.95721 (05021308)	4.36719 (06080406)	4.08768 (06100121)	4.13363 (05072401)	3.49504 (07081602)
3762938.3	6.04833 (06092606)	5.36309 (05072524)	4.84810 (06090420)	4.38111 (05092622)	4.08477 (06101606)
3761938.3	6.34362 (06083101)	5.25712 (06101605)	5.69345 (07072806)	5.46018 (07071705)	4.67941 (07081723)
3760938.3	6.89000 (06090106)	8.49368 (06101102)	6.93234 (06090106)	6.80863 (07083104)	5.32379 (05092304)
3759938.3	12.05540 (06101102)	10.45465 (07122005)	8.84744 (07122005)	7.24967 (07092602)	6.31844 (07082821)
3758938.3	10.64613 (07122005)	11.07152 (07082902)	11.90545 (07082902)	11.31241 (07082902)	8.53750 (07082902)
3757938.3	13.42612 (07082902)	13.06156 (07111720)	12.91456 (07111720)	12.36729 (07092302)	12.48153 (07111901)
3756938.3	15.27423 (07111901)	15.67408 (07111901)	15.85028 (07111901)	15.74567 (07111901)	15.34857 (07111901)
3755938.3	16.60157 (07062503)	16.68986 (07062503)	16.61327 (07062503)	16.42007 (07062503)	16.05472 (07062503)
3754938.3	18.03767 (07100906)	17.72260 (07100906)	17.31370 (07100906)	16.87786 (07100906)	16.36297 (07100906)
3753938.3	14.76667 (07081605)	13.73607 (07081605)	12.96802 (07022102)	12.83606 (07022102)	12.72723 (07022102)
3752938.3	16.84282 (07100402)	16.05537 (07100402)	15.55880 (07100402)	14.99774 (07100402)	14.37985 (07100402)
3751938.3	15.71502 (07092406)	14.33812 (07092406)	13.56741 (07092406)	13.64349 (07092406)	13.48507 (07100402)
3750938.3	16.66732 (07081005)	16.96949 (06123024)	16.96752 (06123024)	16.80697 (06123024)	15.68761 (06123024)
3749938.3	17.98791 (07111822)	15.74155 (07121102)	15.99776 (07091224)	15.63370 (07091224)	15.07702 (07081005)
3748938.3	19.91424 (07012907)	18.95897 (07122823)	18.08041 (07111822)	17.08444 (07111822)	14.08204 (07081305)
3747938.3	18.52223 (07101801)	16.34644 (07100204)	17.99904 (07012907)	17.86628 (07012907)	17.17994 (07122823)
3746938.3	19.48847 (07031704)	17.16415 (07022524)	17.25996 (07101023)	17.41490 (07100204)	15.33936 (07052901)
3745938.3	19.07329 (07090304)	19.08345 (07092401)	17.47618 (07031704)	15.07469 (07022524)	13.30561 (07101023)
3744938.3	15.73073 (06123101)	15.01312 (07110607)	16.40486 (07080306)	9.46292 (07080803)	11.34282 (07031704)
3743938.3	18.32937 (07062005)	14.72770 (06123101)	8.14276 (05071903)	9.42778 (05052005)	7.15214 (05101907)
3742938.3	16.29031 (07062005)	17.33474 (07062005)	13.53600 (06123101)	7.68386 (07102520)	6.47342 (06042901)
3741938.3	11.03759 (07020207)	14.66318 (07062005)	16.10599 (07062005)	14.33157 (07110602)	9.10153 (06123101)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** CO - LST ASSESSMENT (NO REFRIGERATION) *** 10:01:49
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113333 , L0113334 , L0113335 , L0113336 ,
L0113337 , L0113338 , L0113339 , L0113340 , L0113341 , L0113342 , L0113343 , L0113344 ,
L0113345 , L0113346 , L0113347 , L0113348 , L0113349 , L0113350 , L0113351 , L0113352 ,
L0113353 , L0113354 , L0113355 , L0113356 , L0113357 , L0113358 , L0113359 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 437508.49	439508.49	441508.49	443508.49	445508.49
3767938.3	6.71463 (07121904)	6.22017 (07121904)	6.02103 (06123006)	5.91516 (07121805)	6.37964 (07121805)
3765938.3	6.15646 (07111902)	6.59862 (07111902)	6.59544 (07111902)	6.90879 (07121904)	7.06412 (07121904)
3763938.3	6.56233 (07091305)	6.57019 (07091305)	6.29782 (07091305)	5.54269 (07091305)	6.64428 (07111902)
3761938.3	6.32601 (07010408)	6.44097 (07010408)	6.45367 (07010408)	6.70310 (07082005)	7.20749 (07082005)
3759938.3	8.16455 (07082705)	7.80057 (07082705)	7.46455 (07082705)	6.85821 (07082705)	6.44621 (07042704)
3757938.3	6.27637 (07070203)	6.13588 (07070203)	6.09855 (07070203)	6.08212 (07082705)	7.13435 (07082705)
3755938.3	5.27067 (07093001)	5.33329 (07093001)	5.63131 (07093001)	5.89615 (07093001)	6.17313 (07093001)
3753938.3	5.72111 (07091605)	5.48812 (07091605)	5.64369 (07091605)	5.85968 (07091605)	6.05415 (07091605)
3751938.3	6.90690 (07121524)	7.29184 (07121524)	7.48178 (07121524)	7.91346 (07121524)	8.35565 (07121524)
3749938.3	4.95334 (07121524)	4.98211 (06102022)	5.08654 (06102022)	5.27872 (07101904)	5.67866 (07020805)
3747938.3	6.77079 (07051105)	8.11416 (07051105)	8.17428 (07051105)	8.19296 (07051105)	8.36738 (07121401)
3745938.3	8.18065 (07121401)	8.13441 (07121401)	7.31764 (07121401)	5.63944 (07042503)	5.68530 (07042503)
3743938.3	6.32953 (05120106)	6.42845 (07081803)	7.64924 (07103105)	7.69600 (07103105)	7.38786 (07103105)
3741938.3	7.80042 (07103105)	7.24084 (07091306)	7.06975 (06100505)	8.62680 (06100505)	8.53039 (06100505)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** CO - LST ASSESSMENT (NO REFRIGERATION) *** 10:01:49
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113333 , L0113334 , L0113335 , L0113336 ,
L0113337 , L0113338 , L0113339 , L0113340 , L0113341 , L0113342 , L0113343 , L0113344 ,
L0113345 , L0113346 , L0113347 , L0113348 , L0113349 , L0113350 , L0113351 , L0113352 ,
L0113353 , L0113354 , L0113355 , L0113356 , L0113357 , L0113358 , L0113359 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 447508.49	449508.49	451508.49	453508.49	455508.49
3767938.3	6.65046 (07100903)	6.88460 (06092104)	6.83617 (07092223)	6.45488 (07100605)	8.22224 (07100404)
3765938.3	6.52442 (06123006)	6.53537 (06123006)	7.04933 (07121805)	7.08903 (07100903)	7.58273 (07092223)
3763938.3	7.42112 (07111902)	7.32611 (07111902)	7.95653 (07121904)	7.24071 (07121904)	7.17361 (06123006)
3761938.3	7.42147 (07091305)	7.58025 (07091305)	7.00933 (07091305)	7.40071 (07111902)	8.22376 (07111902)

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3759938.3 |      6.62146 (07010408)      7.40807 (07010408)      7.84274 (07010408)      7.62168 (07082005)      8.29744 (07082005)
3757938.3 |      8.22391 (07082705)      9.21697 (07082705)     10.05978 (07082705)     10.69798 (07082705)     10.03523 (07082705)
3755938.3 |      6.42165 (07093001)      6.70722 (07093001)      7.23464 (07070203)      7.99275 (07070203)      8.25927 (07070203)
3753938.3 |      6.35970 (07091605)      6.59569 (07091605)      7.15264 (07091605)      7.32640 (07091605)      7.26850 (07091605)
3751938.3 |      8.80849 (07121524)      9.31669 (07121524)     10.03312 (07121524)      9.74077 (07121524)      9.93035 (07121524)
3749938.3 |      6.03781 (07020805)      6.55065 (07051105)      7.50807 (07051105)      8.44698 (07051105)      9.46480 (07051105)
3747938.3 |      8.73155 (07121401)      8.42048 (07121401)      8.35139 (07121401)      8.39345 (07121401)      8.13137 (07121401)
3745938.3 |      5.75087 (07042503)      5.66491 (05120106)      6.75332 (07103105)      8.19046 (07103105)      7.89451 (07103105)
3743938.3 |      6.80060 (07103105)      6.55202 (06100505)      6.94707 (06100505)      7.17257 (06100505)      6.88947 (06123105)
3741938.3 |      7.06945 (06100505)      6.36769 (06123105)      6.22410 (07042402)      6.19608 (06121106)      6.57073 (05030406)
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** CO - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:01:49
                                                                                                                       PAGE  65
 **MODELOPTs:  NonDFAULT CONC                                                   ELEV
                    FASTALL

                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                              INCLUDING SOURCE(S):     PHASE1      , L0113333    , L0113334    , L0113335    , L0113336    ,
              L0113337    , L0113338    , L0113339    , L0113340    , L0113341    , L0113342    , L0113343    , L0113344    ,
              L0113345    , L0113346    , L0113347    , L0113348    , L0113349    , L0113350    , L0113351    , L0113352    ,
              L0113353    , L0113354    , L0113355    , L0113356    , L0113357    , L0113358    , L0113359    ,  . . .      ,

                                    *** NETWORK ID: UCART2   ;  NETWORK TYPE: GRIDCART ***

                                         ** CONC OF CO       IN MICROGRAMS/M**3                          **

 Y-COORD  |                                                  X-COORD (METERS)
 (METERS) |      457508.49              459508.49
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

3767938.3 |      8.43190 (06092623)      7.93738 (07060702)
3765938.3 |      7.81049 (07092223)     12.05092 (07100404)
3763938.3 |      7.69821 (07121805)      8.17368 (06092104)
3761938.3 |      8.50341 (07121904)      9.65802 (07121904)
3759938.3 |      8.79866 (07091305)      8.78621 (07091305)
3757938.3 |      9.52798 (07082705)      8.87304 (07082705)
3755938.3 |      8.56657 (07070203)      8.97438 (07070203)
3753938.3 |      7.66038 (07091605)      7.97635 (07091605)
3751938.3 |     10.32207 (07121524)     10.82201 (07121524)
3749938.3 |     10.24289 (07051105)     10.98963 (07051105)
3747938.3 |      7.16104 (07042503)      7.71603 (07103105)
3745938.3 |      8.28506 (06100505)      8.77914 (06100505)
3743938.3 |      7.56924 (07042402)      7.54713 (06121106)
3741938.3 |      7.91685 (07091806)      8.21764 (07020703)
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** CO - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:01:49
                                                                                                                       PAGE  66
 **MODELOPTs:  NonDFAULT CONC                                                   ELEV
                    FASTALL

                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                              INCLUDING SOURCE(S):     PHASE1      , L0113333    , L0113334    , L0113335    , L0113336    ,
              L0113337    , L0113338    , L0113339    , L0113340    , L0113341    , L0113342    , L0113343    , L0113344    ,
              L0113345    , L0113346    , L0113347    , L0113348    , L0113349    , L0113350    , L0113351    , L0113352    ,
              L0113353    , L0113354    , L0113355    , L0113356    , L0113357    , L0113358    , L0113359    ,  . . .      ,

                                    *** NETWORK ID: UCART3   ;  NETWORK TYPE: GRIDCART ***

                                         ** CONC OF CO       IN MICROGRAMS/M**3                          **

 Y-COORD  |                                                  X-COORD (METERS)
 (METERS) |      484551.71              484651.71              484751.71              484851.71              484951.71
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

3754634.4 |     79.55288 (07082705)     83.08367 (07082705)     86.30542 (07082705)     90.94413 (07082705)     93.56892 (07082705)
3754534.4 |     74.66476 (07121904)     76.50608 (07082705)     80.00886 (07082705)     84.34360 (07082705)     89.61336 (07082705)
3754434.4 |     74.95079 (07121904)     77.20958 (07121904)     79.47822 (07121904)     81.77361 (07121904)     87.13811 (07121524)
3754334.4 |     75.96391 (07121904)     78.03809 (07121904)     81.36996 (07121524)     86.34492 (07121524)     89.03689 (07121524)
3754234.4 |     76.97998 (07111902)     78.13119 (07111902)     80.44466 (07121904)     82.97970 (07121904)     85.63259 (07121904)
3754134.4 |     76.82983 (07091305)     80.21655 (07111902)     82.04888 (07111902)     84.33850 (07111902)     86.63971 (07111902)
3754034.4 |     79.55890 (07091305)     82.90833 (07091305)     84.39525 (07091305)     85.96221 (07111902)     88.13937 (07111902)
3753934.4 |     82.90700 (07082005)     86.04650 (07091305)     88.00759 (07091305)     89.90345 (07091305)     91.55465 (07091305)
3753834.4 |     84.84804 (07082005)     87.57342 (07082005)     89.18867 (07082005)     93.30192 (07082005)     94.46723 (07082005)
3753734.4 |     91.02113 (07082705)     92.18359 (07082705)     93.59303 (07082705)     94.34368 (07082705)     95.26204 (07082705)
3753634.4 |    100.75878 (07082705)    101.69871 (07082705)    106.52949 (07082705)    110.22481 (07082705)    112.59333 (07082705)
3753534.4 |     96.10109 (07082705)     99.60075 (07082705)    105.56223 (07082705)    112.11729 (07082705)    118.61956 (07082705)
3753434.4 |     76.92196 (07082705)     81.96429 (07082705)     86.96334 (07082705)     92.71076 (07082705)     98.90315 (07082705)
3753334.4 |     79.00507 (07121524)     82.65697 (07121524)     85.09728 (07121524)     89.19386 (07121524)     93.53684 (07121524)
3753234.4 |     88.52608 (07121524)     91.42714 (07121524)     96.08332 (07121524)    101.71944 (07121524)    104.78220 (07121524)
3753134.4 |     90.43374 (07121524)     92.55206 (07121524)     93.15876 (07121524)     93.97722 (07121524)    100.51717 (07121524)
3753034.4 |     80.74724 (07121524)     82.78477 (07051105)     87.37130 (07051105)     88.98309 (07051105)     93.39294 (07051105)
3752934.4 |     76.25655 (07051105)     78.44295 (07051105)     82.37722 (07051105)     83.12486 (07051105)     87.31308 (07051105)
3752834.4 |     73.23427 (07051105)     74.48680 (07051105)     76.77721 (07051105)     78.54801 (07121401)     80.54204 (07121401)
3752734.4 |     68.68414 (07121401)     70.38857 (07121401)     71.53024 (07121401)     73.14447 (07121401)     74.90184 (07121401)
3752634.4 |     64.26277 (07121401)     64.99340 (07121401)     66.45911 (07121401)     67.46275 (07121401)     68.39693 (07121401)
3752534.4 |     57.34509 (07121401)     57.61820 (07121401)     58.99902 (07092702)     64.17980 (07092702)     67.48338 (07092702)
3752434.4 |     54.61185 (07092702)     58.98031 (07092702)     62.16308 (07092702)     65.07750 (07092702)     67.14841 (07092702)
3752334.4 |     56.96139 (07092702)     60.01696 (07092702)     62.23939 (07092702)     64.05548 (07092702)     66.48844 (07092702)
3752234.4 |     57.40514 (07092702)     59.51308 (07092702)     62.04267 (07092702)     63.52067 (07092702)     65.10504 (07092702)
3752134.4 |     57.35042 (07092702)     59.43784 (07092702)     60.95789 (07092702)     62.26537 (07092702)     63.34030 (07092702)
3752034.4 |     57.45555 (07092702)     58.63950 (07092702)     58.76428 (07092702)     59.71263 (07122901)     63.87789 (07122901)
3751934.4 |     55.45434 (07092702)     56.04034 (07092702)     57.35491 (07122901)     60.54438 (07122901)     63.36025 (07122901)
3751834.4 |     53.11603 (07092702)     55.00274 (07122901)     58.27669 (07122901)     61.24333 (07122901)     63.22309 (07122901)
3751734.4 |     53.34719 (07122901)     56.35182 (07122901)     59.35051 (07122901)     61.57841 (07122901)     63.22659 (07122901)
3751634.4 |     54.55218 (07122901)     57.01057 (07122901)     59.14641 (07122901)     61.05416 (07122901)     62.12082 (07122901)
3751534.4 |     54.96250 (07122901)     56.98829 (07122901)     59.07367 (07122901)     59.53684 (07122901)     61.09972 (07122901)
3751434.4 |     55.39657 (07122901)     57.02838 (07122901)     58.75030 (07122901)     59.26874 (07122901)     58.20024 (07122901)
3751334.4 |     54.88512 (07122901)     56.00995 (07122901)     57.19339 (07122901)     55.19639 (07122901)     52.51361 (07062605)
3751234.4 |     54.38876 (07122901)     55.21966 (07122901)     53.29932 (07122901)     51.74934 (06112404)     55.63669 (07062605)
3751134.4 |     53.28459 (07122901)     52.09759 (07122901)     49.01533 (07122901)     54.54861 (07062605)     55.72340 (06101207)
3751034.4 |     50.25174 (07122901)     47.29522 (06112404)     52.18091 (07062605)     52.08757 (06101207)     54.01590 (06101207)
3750934.4 |     47.73785 (06112404)     48.95973 (07062605)     50.49117 (06101207)     49.94728 (06101207)     51.15375 (07091523)
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** CO - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:01:49
                                                                                                                       PAGE  67
 **MODELOPTs:  NonDFAULT CONC                                                   ELEV
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FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113333 , L0113334 , L0113335 , L0113336 ,
L0113337 , L0113338 , L0113339 , L0113340 , L0113341 , L0113342 , L0113343 , L0113344 ,
L0113345 , L0113346 , L0113347 , L0113348 , L0113349 , L0113350 , L0113351 , L0113352 ,
L0113353 , L0113354 , L0113355 , L0113356 , L0113357 , L0113358 , L0113359 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485051.71	485151.71	485251.71	485351.71	485451.71
3754634.4	100.23079 (07082705)	104.56008 (07082705)	106.29716 (07082705)	114.05746 (07082705)	122.36694 (07082705)
3754534.4	95.49696 (07082705)	101.99843 (07082705)	109.44636 (07082705)	115.04397 (07082705)	120.33662 (07082705)
3754434.4	89.35246 (07121524)	95.50476 (07121524)	101.11060 (07121524)	108.65616 (07121524)	120.35834 (07121524)
3754334.4	92.39634 (07121524)	95.32379 (07121524)	106.94946 (07121524)	113.30835 (07121524)	126.38946 (07121524)
3754234.4	89.53079 (07051105)	91.59607 (07121904)	95.51708 (07051105)	99.80534 (07051105)	97.88653 (07121401)
3754134.4	89.42002 (07121904)	92.56138 (07121904)	95.41429 (07121904)	95.61660 (07121904)	93.40582 (07121904)
3754034.4	90.93455 (07111902)	91.45510 (07111902)	95.80785 (07111902)	96.26293 (07121904)	92.66163 (07121904)
3753934.4	93.43991 (07091305)	94.15697 (07091305)	97.16605 (07111902)	98.59414 (07111902)	95.02329 (07111902)
3753834.4	97.45533 (07091305)	100.37678 (07091305)	101.43420 (07091305)	97.55830 (07091305)	94.65398 (07091305)
3753734.4	96.11300 (07082705)	104.68409 (07082005)	104.01617 (07082005)	103.30770 (07082005)	98.69941 (07082005)
3753634.4	114.98874 (07082705)	116.55135 (07082705)	117.50234 (07082705)	117.41469 (07082705)	111.87808 (07082705)
3753534.4	124.48375 (07082705)	129.79080 (07082705)	131.74274 (07082705)	139.42984 (07082705)	139.85038 (07082705)
3753434.4	106.75804 (07082705)	112.75019 (07082705)	118.10074 (07082705)	126.43759 (07082705)	127.24468 (07082705)
3753334.4	100.35786 (07121524)	103.50760 (07121524)	108.78603 (07121524)	115.00659 (07121524)	114.28796 (07121524)
3753234.4	108.43260 (07121524)	115.09918 (07121524)	118.91884 (07121524)	125.32198 (07121524)	121.63773 (07121524)
3753134.4	103.51195 (07121524)	108.07441 (07121524)	105.73616 (07121524)	106.74680 (07051105)	103.16886 (07051105)
3753034.4	95.47643 (07051105)	100.20840 (07051105)	100.95215 (07051105)	104.63281 (07051105)	110.05081 (07051105)
3752934.4	88.92138 (07051105)	92.30592 (07051105)	95.76350 (07051105)	98.12091 (07051105)	101.46808 (07051105)
3752834.4	82.37619 (07121401)	84.96290 (07121401)	89.69642 (07121401)	90.82954 (07121401)	95.13587 (07121401)
3752734.4	77.31855 (07121401)	78.96289 (07121401)	81.72505 (07121401)	84.57048 (07121401)	88.31367 (07121401)
3752634.4	71.82625 (07092702)	75.50564 (07092702)	78.23884 (07092702)	81.36358 (07092702)	87.03618 (07122901)
3752534.4	70.53643 (07092702)	73.66205 (07092702)	76.22991 (07092702)	80.04218 (07092702)	86.55521 (07122901)
3752434.4	68.75688 (07092702)	72.66448 (07092702)	74.66549 (07092702)	80.41015 (07122901)	85.00296 (07122901)
3752334.4	68.47164 (07092702)	71.07951 (07092702)	74.78448 (07122901)	79.03287 (07122901)	83.65992 (07122901)
3752234.4	65.37122 (07092702)	70.59500 (07122901)	73.48132 (07122901)	78.10041 (07122901)	83.20446 (07122901)
3752134.4	66.65643 (07122901)	69.90258 (07122901)	74.01963 (07122901)	78.06533 (07122901)	81.56146 (07122901)
3752034.4	66.19467 (07122901)	69.63579 (07122901)	72.95593 (07122901)	76.28736 (07122901)	76.90307 (07122901)
3751934.4	66.37673 (07122901)	69.33774 (07122901)	70.94904 (07122901)	70.50521 (07122901)	74.89356 (07122901)
3751834.4	65.92295 (07122901)	67.67988 (07122901)	66.48185 (07122901)	71.17965 (07122901)	69.32392 (07062605)
3751734.4	64.33077 (07122901)	63.79391 (07122901)	62.23540 (07122901)	64.49906 (07122901)	69.14999 (07091523)
3751634.4	61.17752 (07122901)	59.14506 (07122901)	60.98240 (07122901)	65.63195 (06101207)	68.54211 (07091523)
3751534.4	58.85486 (07122901)	57.94873 (07062605)	63.54437 (06101207)	63.87717 (07091523)	56.17623 (06092806)
3751434.4	57.22931 (07062605)	61.01426 (06101207)	60.99866 (07091523)	52.69985 (07091523)	46.73930 (06092806)
3751334.4	58.20206 (07062605)	59.56418 (07091523)	52.80331 (07091523)	45.79618 (06092806)	39.72494 (06092806)
3751234.4	57.90749 (06101207)	56.68523 (07091523)	47.83080 (07091523)	43.00946 (06092806)	37.62520 (06092806)
3751134.4	56.31290 (07091523)	54.71198 (07091523)	47.71995 (06092806)	43.69223 (06092806)	36.90395 (07103103)
3751034.4	53.93559 (07091523)	48.75529 (07091523)	43.53691 (06092806)	38.74078 (06092806)	34.26546 (07103103)
3750934.4	49.69624 (07091523)	44.20975 (07121903)	38.90677 (06092806)	33.80820 (07103103)	31.97126 (07103104)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** CO - LST ASSESSMENT (NO REFRIGERATION) *** 10:01:49
PAGE 68

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113333 , L0113334 , L0113335 , L0113336 ,
L0113337 , L0113338 , L0113339 , L0113340 , L0113341 , L0113342 , L0113343 , L0113344 ,
L0113345 , L0113346 , L0113347 , L0113348 , L0113349 , L0113350 , L0113351 , L0113352 ,
L0113353 , L0113354 , L0113355 , L0113356 , L0113357 , L0113358 , L0113359 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.9	161.99304 (07082705)	177.60461 (07082705)	198.02813 (07082705)	227.46748 (07082705)
3753334.9	147.60759 (07121524)	164.36891 (07121524)	187.39512 (07121524)	224.81764 (07121524)
3753234.9	150.76332 (07121524)	166.45157 (07121524)	176.86787 (07121524)	202.13616 (07121524)
3753134.9	130.20127 (07051105)	139.69071 (07051105)	152.10273 (07051105)	174.54743 (07051105)
3753034.9	118.30719 (07051105)	128.55618 (07051105)	137.05007 (07051105)	161.83535 (07051105)
3752934.9	107.76166 (07051105)	115.54956 (07051105)	125.18024 (07051105)	150.68823 (07122901)
3752834.9	101.20294 (07121401)	107.39405 (07121401)	121.38537 (07122901)	145.15714 (07122901)
3752734.9	96.24716 (07122901)	105.17959 (07122901)	116.65016 (07122901)	140.47094 (07122901)
3752634.9	94.53937 (07122901)	102.07519 (07122901)	113.82438 (07122901)	139.16407 (07122901)
3752534.9	92.24814 (07122901)	99.01990 (07122901)	110.45932 (07122901)	136.30451 (07103104)
3752434.9	90.50392 (07122901)	97.42456 (07122901)	107.01462 (07122901)	141.71655 (07103104)
3752334.9	89.47342 (07122901)	95.35858 (07122901)	101.49494 (07122901)	148.95051 (07111806)
3752234.9	88.03770 (07122901)	88.47878 (07122901)	101.30255 (07103104)	142.05271 (07103104)
3752134.9	80.84818 (07122901)	85.75833 (07091523)	106.25026 (07103104)	141.06896 (07111806)
3752034.9	82.73076 (07122901)	84.64577 (06092806)	99.74151 (07103104)	113.89633 (07111806)
3751934.9	74.84844 (07091523)	79.56798 (06092806)	95.65724 (07103104)	95.51795 (06092624)
3751834.9	72.43205 (07091523)	75.51271 (06092806)	84.10705 (07103104)	74.31649 (06092624)
3751734.9	71.84684 (07091523)	74.76460 (07103104)	72.70572 (07103104)	57.55197 (07042506)
3751634.9	67.96904 (06092806)	63.55358 (07103104)	60.29382 (07103104)	51.89454 (07042506)
3751534.9	55.70912 (06092806)	53.31215 (07103104)	50.02967 (07111806)	48.35381 (06090501)
3751434.9	42.76811 (06092806)	44.49006 (07103104)	42.17373 (07111806)	44.48299 (06090501)
3751334.9	37.68264 (07103104)	39.56476 (07103104)	37.69527 (07111806)	41.28279 (05082524)
3751234.9	36.96713 (07103104)	36.01456 (07103104)	35.47951 (07102624)	39.21561 (05082524)
3751134.9	35.56379 (07103104)	33.78577 (07103104)	34.19265 (05100620)	36.91786 (06070402)
3751034.9	33.53729 (07103104)	31.67851 (07111806)	32.92367 (05100620)	34.82569 (06070402)
3750934.9	31.54002 (07103104)	30.02429 (07111806)	31.16008 (06111622)	33.05835 (06060401)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** CO - LST ASSESSMENT (NO REFRIGERATION) *** 10:01:49
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113333 , L0113334 , L0113335 , L0113336 ,
L0113337 , L0113338 , L0113339 , L0113340 , L0113341 , L0113342 , L0113343 , L0113344 ,
L0113345 , L0113346 , L0113347 , L0113348 , L0113349 , L0113350 , L0113351 , L0113352 ,
L0113353 , L0113354 , L0113355 , L0113356 , L0113357 , L0113358 , L0113359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
485619.40	3753969.72	124.55623	(07121904)	485712.99	3753961.92	128.02368	(07121904)
487190.85	3754410.34	302.53682	(07062005)	487194.75	3754289.46	278.81443	(07111905)
487268.83	3754090.60	175.76440	(07111905)	487483.30	3754102.29	121.22812	(07111807)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** CO - LST ASSESSMENT (NO REFRIGERATION) *** 10:01:49
PAGE 70

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113333 , L0113334 , L0113335 , L0113336 ,
L0113337 , L0113338 , L0113339 , L0113340 , L0113341 , L0113342 , L0113343 , L0113344 ,
L0113345 , L0113346 , L0113347 , L0113348 , L0113349 , L0113350 , L0113351 , L0113352 ,
L0113353 , L0113354 , L0113355 , L0113356 , L0113357 , L0113358 , L0113359 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03
3767938.3	1.57277 (06110308)	1.61655 (07092508)	1.74458 (07092508)	1.78137 (07110608)	1.79724 (07110608)
3766938.3	1.73544 (07121808)	1.70932 (06110308)	1.64317 (07121808)	1.73460 (07092508)	1.78925 (07092508)
3765938.3	2.06176 (07042108)	2.02896 (07042108)	1.83932 (07121808)	1.80415 (07121808)	1.77883 (07121808)
3764938.3	1.95759 (06112008)	2.22677 (07042108)	2.24121 (07042108)	2.01767 (07042108)	1.97349 (07121808)
3763938.3	1.89609 (06112008)	2.17979 (06112008)	2.06337 (06112008)	2.18031 (07042108)	2.24180 (07042108)
3762938.3	1.80689 (07122808)	1.78609 (07121708)	1.94382 (06112008)	2.08697 (06112008)	2.19354 (06112008)
3761938.3	1.86673 (07112008)	1.84203 (07112008)	1.86760 (07122808)	1.92704 (07122808)	2.01975 (06112008)
3760938.3	1.58084 (05122808)	1.74745 (07112008)	1.92337 (07112008)	2.06182 (07112008)	2.04687 (07112008)
3759938.3	1.86722 (06020508)	1.75347 (06020508)	1.87515 (05122808)	1.85005 (05122808)	1.90379 (05122808)
3758938.3	2.18551 (06020508)	2.26027 (06020508)	2.30635 (06020508)	2.29914 (06020508)	2.24150 (06020508)
3757938.3	2.21294 (06123108)	2.16111 (06123108)	2.13661 (06020508)	2.36300 (06020508)	2.50106 (06020508)
3756938.3	2.52272 (06123108)	2.62564 (06123108)	2.71504 (06123108)	2.79514 (06123108)	2.86455 (06123108)
3755938.3	2.00740 (06123108)	2.16865 (06123108)	2.33882 (06123108)	2.52359 (06123108)	2.72998 (06123108)
3754938.3	2.08179 (06112108)	2.15829 (06112108)	2.24784 (06112108)	2.34782 (06112108)	2.45636 (06112108)
3753938.3	1.86579 (06112108)	1.94548 (06112108)	2.04040 (06112108)	2.14251 (06112108)	2.30238 (06112108)
3752938.3	1.60710 (07120208)	1.66967 (07120208)	1.78417 (07012408)	1.91519 (07012408)	2.09023 (07012408)
3751938.3	1.96444 (07012408)	2.07212 (07012408)	2.19291 (07012408)	2.35128 (07012408)	2.54057 (07012408)
3750938.3	2.17070 (07012408)	2.25487 (07012408)	2.35516 (07012408)	2.43832 (07012408)	2.50897 (07012408)
3749938.3	2.04887 (07033108)	2.09186 (07033108)	2.20548 (07033108)	2.32132 (07033108)	2.35816 (05031908)
3748938.3	2.02300 (05031908)	2.02328 (05031908)	2.18121 (05031908)	2.34856 (05031908)	2.47296 (05031908)
3747938.3	2.08328 (05031908)	2.12539 (05031908)	2.01614 (05031908)	2.01794 (05031908)	2.12007 (07012408)
3746938.3	1.86589 (07012408)	1.98595 (07012408)	1.98825 (07012408)	1.94366 (07030808)	2.36641 (05110908)
3745938.3	1.89362 (07030808)	2.13358 (05110908)	2.50308 (05110908)	2.86193 (05110908)	3.25427 (05110908)
3744938.3	2.49333 (05110908)	2.90602 (05110908)	3.24663 (05110908)	3.56648 (05110908)	3.89318 (05110908)
3743938.3	3.09332 (05110908)	3.36181 (05110908)	3.60016 (05110908)	3.77379 (05110908)	3.82172 (05110908)
3742938.3	3.39169 (05110908)	3.50518 (05110908)	3.56967 (05110908)	3.66864 (05110908)	3.40629 (05110908)
3741938.3	3.32066 (05110908)	3.20374 (05110908)	2.66574 (05110908)	2.51239 (05120824)	2.10430 (05120824)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** CO - LST ASSESSMENT (NO REFRIGERATION) *** 10:01:49
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113333 , L0113334 , L0113335 , L0113336 ,
L0113337 , L0113338 , L0113339 , L0113340 , L0113341 , L0113342 , L0113343 , L0113344 ,
L0113345 , L0113346 , L0113347 , L0113348 , L0113349 , L0113350 , L0113351 , L0113352 ,
L0113353 , L0113354 , L0113355 , L0113356 , L0113357 , L0113358 , L0113359 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 466553.03	467553.03	468553.03	469553.03	470553.03
3767938.3	1.74611 (07091608)	2.08475 (07091608)	2.06656 (07091608)	1.89147 (06120908)	1.90850 (07020408)
3766938.3	1.86501 (07110608)	1.78585 (07110608)	2.24269 (07091608)	2.21592 (07091608)	2.04596 (06120908)
3765938.3	1.83505 (07092508)	1.91328 (07110608)	2.15841 (07110608)	1.99205 (07091608)	2.35898 (07091608)
3764938.3	1.93422 (07121808)	1.92019 (07121808)	2.01644 (07092508)	2.08792 (07110608)	2.09204 (07110608)
3763938.3	2.13401 (07042108)	2.14980 (07121808)	2.16284 (07121808)	2.18849 (07121808)	2.24037 (07121808)
3762938.3	2.25880 (07042108)	2.42385 (07042108)	2.40085 (07121808)	2.47550 (07121808)	2.49606 (07121808)
3761938.3	2.23949 (06112008)	2.41306 (06112008)	2.48751 (06112008)	2.69210 (07042108)	2.96847 (07121808)
3760938.3	2.08554 (07122808)	2.15125 (07122808)	2.45385 (06112008)	2.74599 (06112008)	3.04222 (06112008)
3759938.3	2.13077 (07112008)	2.29317 (07112008)	2.33961 (07112008)	2.41961 (07122808)	2.74184 (06112008)
3758938.3	2.13610 (06020508)	2.19745 (05122808)	2.30587 (05122808)	2.42558 (05122808)	2.68550 (07112008)
3757938.3	2.62003 (06020508)	2.73765 (06020508)	2.81606 (06020508)	2.83748 (06020508)	2.87393 (06020508)
3756938.3	2.92776 (06123108)	2.92021 (06123108)	2.83190 (06123108)	2.92827 (06020508)	3.36452 (06020508)
3755938.3	3.01523 (06123108)	3.25412 (06123108)	3.53761 (06123108)	3.62048 (06123108)	4.09409 (06123108)
3754938.3	2.66307 (06112108)	2.79790 (06112108)	2.96321 (06112108)	3.13143 (06112108)	3.29729 (06112108)
3753938.3	2.48116 (06112108)	2.64706 (06112108)	2.89705 (06112108)	3.28438 (06112108)	3.31358 (06112108)
3752938.3	2.31661 (07012408)	2.56291 (07012408)	2.80764 (07012408)	3.03963 (07012408)	3.29095 (07012408)
3751938.3	2.74698 (07012408)	2.95783 (07012408)	3.17751 (07012408)	3.39200 (07012408)	3.64485 (07012408)
3750938.3	2.68667 (07033108)	2.92223 (07033108)	3.03688 (07012408)	3.20926 (07012408)	4.19847 (07033108)
3749938.3	2.50988 (05031908)	2.72634 (05031908)	2.93113 (05031908)	3.20799 (05031908)	3.80343 (05031908)
3748938.3	2.54807 (05031908)	2.68187 (05031908)	3.03121 (05031908)	2.91964 (05031908)	3.09388 (07012408)
3747938.3	2.53776 (07012408)	2.65370 (07012408)	3.04087 (07030808)	3.01837 (05110908)	3.97078 (05110908)
3746938.3	2.91093 (05110908)	3.45624 (05110908)	4.03341 (05110908)	4.64742 (05110908)	6.32440 (05110908)
3745938.3	3.75443 (05110908)	4.22894 (05110908)	4.87004 (05110908)	5.73402 (05110908)	5.65533 (05110908)
3744938.3	4.18136 (05110908)	5.12158 (05110908)	4.79601 (05110908)	4.62210 (05110908)	3.98552 (05110908)

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3743938.3 |      3.75164 (05110908)      3.60174 (05110908)      3.29923 (05110908)      2.88973 (05110908)      2.61586 (05022308)
3742938.3 |      3.03808 (05110908)      2.65567 (05110908)      2.78020 (05120824)      2.57229 (07011224)      2.94764 (06031908)
3741938.3 |      2.40149 (05120824)      1.97619 (07011224)      2.42339 (06031908)      3.33889 (06031908)      3.01236 (06031908)
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                 *** CO - LST ASSESSMENT (NO REFRIGERATION)                                 ***        10:01:49
                                                                                                                       PAGE  72
**MODELOPTs:  NonDFAULT CONC                                          ELEV
                    FASTALL

                          *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                              INCLUDING SOURCE(S):     PHASE1      , L0113333    , L0113334    , L0113335    , L0113336    ,
              L0113337    , L0113338    , L0113339    , L0113340    , L0113341    , L0113342    , L0113343    , L0113344    ,
              L0113345    , L0113346    , L0113347    , L0113348    , L0113349    , L0113350    , L0113351    , L0113352    ,
              L0113353    , L0113354    , L0113355    , L0113356    , L0113357    , L0113358    , L0113359    ,  . . .      ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                      ** CONC OF CO       IN MICROGRAMS/M**3                          **

 Y-COORD  |                                                 X-COORD (METERS)
 (METERS) |      471553.03              472553.03              473553.03              474553.03              475553.03
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

3767938.3 |      1.98934 (07112608)      2.30478 (06102308)      2.29908 (06102308)      2.15060 (07030608)      2.60985 (07030608)
3766938.3 |      2.10240 (07020408)      2.18805 (07112608)      2.49961 (06102308)      2.60210 (06102308)      2.55232 (07030608)
3765938.3 |      2.29881 (07091608)      2.45190 (07020408)      2.35830 (07112608)      2.82588 (06102308)      2.96809 (06102308)
3764938.3 |      2.43710 (07091608)      3.54325 (07091608)      2.62821 (07020408)      2.59955 (07020408)      3.17933 (06102308)
3763938.3 |      2.36629 (07110608)      2.59957 (07110224)      3.32136 (07091608)      2.73042 (07020408)      2.94809 (07020408)
3762938.3 |      2.57436 (07121808)      2.63480 (07121808)      2.71095 (07110224)      3.38673 (07091608)      4.02861 (07091608)
3761938.3 |      3.73553 (06110308)      4.03489 (06110308)      3.18496 (07121808)      4.03618 (07110608)      3.03440 (07091608)
3760938.3 |      3.33928 (07121808)      4.50624 (07042108)      3.77257 (07042108)      4.52964 (06110308)      3.75929 (07110608)
3759938.3 |      3.16834 (06112008)      3.72914 (06112008)      3.31374 (07042108)      5.32429 (07042108)      5.05737 (07121808)
3758938.3 |      2.86990 (07112008)      3.37122 (07122808)      2.97065 (07122808)      4.98288 (06112008)      6.16117 (06112008)
3757938.3 |      3.05889 (05122808)      3.73794 (07112008)      3.17636 (07112008)      3.44527 (07112008)      5.45797 (07122808)
3756938.3 |      3.79304 (06020508)      3.99480 (06020508)      4.61697 (06020508)      3.56851 (06020508)      5.78280 (05122808)
3755938.3 |      4.38111 (06123108)      4.39240 (06123108)      4.62977 (06123108)      6.51528 (06020508)      7.09325 (06020508)
3754938.3 |      3.59705 (06123108)      3.98930 (06123108)      4.45551 (06123108)      4.98930 (06123108)      5.95817 (06123108)
3753938.3 |      3.37481 (06112108)      3.65098 (06112108)      3.93454 (06112108)      4.25880 (06112108)      4.69805 (06112108)
3752938.3 |      3.55023 (07012408)      3.80377 (07012408)      4.13724 (07012408)      4.59105 (07012408)      5.14168 (07012408)
3751938.3 |      4.56563 (07033108)      4.22481 (07012408)      4.44311 (07012408)      4.83578 (07012408)      5.33741 (07012408)
3750938.3 |      4.08269 (07033108)      4.13062 (07033108)      3.98704 (07012408)      4.21900 (07012408)      4.44652 (07012408)
3749938.3 |      3.93499 (05031908)      4.02942 (05031908)      3.38259 (05110908)      4.45310 (05110908)      5.70912 (05110908)
3748938.3 |      3.33102 (07030808)      3.84733 (05110908)      5.23961 (05110908)      6.23605 (05110908)      7.02087 (05110908)
3747938.3 |      5.23359 (05110908)      6.56688 (05110908)      7.60476 (05110908)      6.34948 (05110908)      6.21914 (05110908)
3746938.3 |      6.55178 (05110908)      6.73155 (05110908)      6.40911 (05110908)      5.68235 (05110908)      4.17197 (05110908)
3745938.3 |      5.41825 (05110908)      4.72765 (05110908)      3.98985 (05120824)      4.01990 (05022308)      3.49817 (06031908)
3744938.3 |      3.27930 (05110908)      3.24756 (05120824)      3.36512 (05022308)      4.38275 (06031908)      3.72076 (05040208)
3743938.3 |      2.78817 (05022308)      3.09082 (06031908)      3.54339 (06031908)      4.00714 (05040208)      3.59455 (05040208)
3742938.3 |      3.65225 (06031908)      3.55851 (06031908)      3.94129 (05040208)      3.94272 (05040208)      3.29944 (06111808)
3741938.3 |      3.53518 (05040208)      4.07635 (05040208)      3.59996 (05040208)      3.64596 (06111808)      3.71417 (06011808)
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                 *** CO - LST ASSESSMENT (NO REFRIGERATION)                                 ***        10:01:49
                                                                                                                       PAGE  73
**MODELOPTs:  NonDFAULT CONC                                          ELEV
                    FASTALL

                          *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                              INCLUDING SOURCE(S):     PHASE1      , L0113333    , L0113334    , L0113335    , L0113336    ,
              L0113337    , L0113338    , L0113339    , L0113340    , L0113341    , L0113342    , L0113343    , L0113344    ,
              L0113345    , L0113346    , L0113347    , L0113348    , L0113349    , L0113350    , L0113351    , L0113352    ,
              L0113353    , L0113354    , L0113355    , L0113356    , L0113357    , L0113358    , L0113359    ,  . . .      ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                      ** CONC OF CO       IN MICROGRAMS/M**3                          **

 Y-COORD  |                                                 X-COORD (METERS)
 (METERS) |      476553.03              477553.03              478553.03              479553.03              480553.03
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

3767938.3 |      2.60126 (07030608)      2.74143 (06030308)      3.45594 (06030308)      3.74297 (06030308)      3.51762 (06030308)
3766938.3 |      2.90306 (07030608)      2.76311 (07030608)      3.35123 (06030308)      3.93111 (06030308)      4.17083 (06030308)
3765938.3 |      3.01540 (07030608)      3.32914 (07030608)      3.07608 (06030308)      4.14394 (06030308)      4.47137 (06030308)
3764938.3 |      3.55790 (06102308)      4.41840 (07030608)      4.03450 (07030608)      3.88813 (06030308)      4.87166 (06030308)
3763938.3 |      3.77336 (06102308)      4.89419 (06102308)      4.44571 (07030608)      5.19593 (07030608)      4.83551 (06030308)
3762938.3 |      3.37373 (07020408)      4.27724 (06102308)      5.16150 (06102308)      4.89578 (07030608)      4.96081 (07030608)
3761938.3 |      4.16909 (07091608)      4.13785 (07020408)      5.60143 (06102308)      4.72916 (07112608)      4.45143 (07030608)
3760938.3 |      3.10738 (07110608)      3.44280 (07091608)      4.89931 (07091608)      5.37936 (07112608)      3.86190 (07112608)
3759938.3 |      5.19904 (07121808)      3.24567 (07110608)      5.42017 (07110224)      4.32748 (07091608)      4.32482 (07112608)
3758938.3 |      6.21595 (07042108)      6.60790 (07121808)      6.49013 (07121808)      4.20555 (07110224)      4.22703 (07110224)
3757938.3 |      6.62134 (06112008)      7.67156 (06112008)      7.90219 (07121808)      7.34629 (07121808)      5.77335 (07121808)
3756938.3 |      5.87361 (05122808)      6.09632 (06112008)      7.82867 (06112008)      8.86625 (07121808)     10.58026 (07121808)
3755938.3 |      6.56210 (06020508)      6.74685 (06020508)      7.56035 (05122808)      9.33042 (05122808)     10.52185 (05122808)
3754938.3 |      6.70720 (06123108)      7.32893 (06123108)      7.91636 (06123108)      9.08303 (07121308)     11.85194 (06020508)
3753938.3 |      5.31677 (06112108)      5.84939 (06112108)      6.54409 (06112108)      7.60117 (07012408)      9.34545 (06123108)
3752938.3 |      5.82725 (07012408)      6.70769 (07012408)      7.88960 (07012408)      9.32008 (07012408)     11.28066 (07012408)
3751938.3 |      5.93012 (07012408)      6.59784 (07012408)      7.33219 (07012408)      8.06353 (07012408)     10.00526 (05110908)
3750938.3 |      4.68980 (07012408)      6.28333 (05110908)      8.36995 (05110908)     10.42903 (05110908)     12.40328 (05110908)
3749938.3 |      7.05842 (05110908)      8.41712 (05110908)      9.45827 (05110908)      9.94769 (05110908)      9.52060 (05110908)
3748938.3 |      7.53894 (05110908)      7.64227 (05110908)      7.18302 (05110908)      6.21902 (05110908)      6.50437 (05040208)
3747938.3 |      5.74136 (05110908)      4.96640 (05110908)      4.92631 (05022308)      5.60268 (05040208)      5.87480 (05040208)
3746938.3 |      4.04142 (05022308)      4.23357 (05040208)      4.91700 (05040208)      4.90121 (05040208)      5.53556 (06011808)
3745938.3 |      3.95313 (05040208)      4.37561 (05040208)      4.21145 (05040208)      4.67963 (06011808)      5.01729 (06011808)
3744938.3 |      3.93885 (05040208)      3.68572 (06111808)      4.08692 (06011808)      4.41965 (06011808)      4.67246 (07122424)
3743938.3 |      3.40363 (06111808)      3.65291 (06011808)      3.97100 (06011808)      3.96290 (07122424)      4.54955 (07122424)
3742938.3 |      3.35736 (06011808)      3.60337 (06011808)      3.54607 (06011808)      4.07691 (07122424)      4.06474 (07122424)
3741938.3 |      3.54178 (06011808)      3.31859 (06011808)      3.64877 (07122424)      3.83327 (07122424)      3.46684 (07122424)
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                 *** CO - LST ASSESSMENT (NO REFRIGERATION)                                 ***        10:01:49
                                                                                                                       PAGE  74
**MODELOPTs:  NonDFAULT CONC                                          ELEV
                    FASTALL

                          *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                              INCLUDING SOURCE(S):     PHASE1      , L0113333    , L0113334    , L0113335    , L0113336    ,
              L0113337    , L0113338    , L0113339    , L0113340    , L0113341    , L0113342    , L0113343    , L0113344    ,
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                L0113345    , L0113346    , L0113347    , L0113348    , L0113349    , L0113350    , L0113351    , L0113352    ,
                L0113353    , L0113354    , L0113355    , L0113356    , L0113357    , L0113358    , L0113359    ,  . . .      ,

                          *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                               ** CONC OF CO       IN MICROGRAMS/M**3                          **

 Y-COORD  |                                          X-COORD (METERS)
 (METERS) |      481553.03              482553.03              483553.03              484553.03              485553.03
- - - -
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3766938.3	2.91828 (06012608)	2.22799 (05112108)	2.47322 (07092408)	2.51650 (07092408)	2.40138 (06042908)
3765938.3	3.59695 (05110708)	2.89977 (05110808)	3.03257 (07092408)	2.45594 (06042908)	2.55482 (06042908)
3764938.3	3.61522 (05112108)	3.52920 (05072508)	2.81396 (07092408)	3.07442 (06042908)	2.44967 (07051508)
3763938.3	3.56008 (05110808)	3.91067 (07041008)	3.74171 (06042908)	2.76281 (07051508)	2.43700 (07042208)
3762938.3	4.48901 (07092408)	4.07466 (06042908)	3.54314 (06042908)	2.78727 (07042208)	2.24844 (07110708)
3761938.3	4.10354 (07092408)	4.49078 (06042908)	3.17820 (07042208)	2.65370 (07110708)	2.66102 (07110708)
3760938.3	5.55518 (06042908)	3.61337 (07042208)	3.50651 (07110708)	3.33156 (07110708)	2.95384 (07110708)
3759938.3	5.56898 (06042908)	4.61323 (07110708)	4.23183 (07110708)	3.46393 (07110708)	2.93432 (06091608)
3758938.3	5.98666 (07110708)	5.83827 (07110708)	4.26316 (07110708)	5.11077 (06091608)	4.87938 (06091608)
3757938.3	5.49586 (07110708)	5.33135 (06091608)	7.19730 (06091608)	5.13143 (07122008)	4.86442 (07122008)
3756938.3	7.61448 (06091608)	5.83829 (06091608)	7.21457 (07122008)	6.89266 (07122008)	5.21577 (07122008)
3755938.3	8.97233 (07122008)	9.21030 (07122008)	6.89390 (07122008)	6.40420 (07122008)	6.21826 (07122008)
3754938.3	13.99485 (07122008)	9.21869 (07122008)	8.68055 (07071224)	7.53065 (07071224)	6.41591 (07071224)
3753938.3	18.33677 (07071224)	15.93884 (07071224)	11.12037 (07071224)	10.44910 (07061124)	8.07944 (07061124)
3752938.3	32.58042 (05040408)	25.26557 (06080224)	16.23521 (05040408)	13.00857 (06051524)	9.36703 (06051524)
3751938.3	29.40507 (06112324)	21.99185 (06050308)	19.56566 (06050308)	14.01719 (06050308)	9.48059 (06091524)
3750938.3	15.67205 (07080408)	18.12622 (05022524)	19.06402 (06112324)	16.53832 (05080508)	13.58659 (05080508)
3749938.3	14.48157 (07072208)	12.15174 (07080408)	12.79588 (05022524)	13.09279 (05022524)	9.86279 (06112324)
3748938.3	12.01556 (07072208)	11.18733 (07072208)	9.53488 (07080408)	8.99795 (05022524)	12.14651 (05022524)
3747938.3	9.95418 (07072208)	10.01656 (07072208)	8.63770 (07072208)	7.78615 (07080408)	6.75479 (07061508)
3746938.3	8.55743 (06091008)	8.65201 (07072208)	8.49726 (07072208)	7.18373 (07070708)	6.54994 (07080408)
3745938.3	7.33331 (06091008)	7.44097 (05070408)	7.66721 (07072208)	7.15606 (07072208)	6.24508 (07070708)
3744938.3	6.07738 (06091008)	6.57516 (06091008)	6.44353 (05070408)	6.81014 (07072208)	6.06340 (07072208)
3743938.3	5.43164 (06042508)	5.90599 (06091008)	6.01556 (05070408)	5.88622 (07072208)	6.04908 (07072208)
3742938.3	4.94745 (07120524)	6.36648 (07040208)	4.71967 (07040208)	4.58786 (07121024)	5.49940 (07072208)
3741938.3	6.16279 (07031508)	4.43556 (07031708)	5.01273 (07040208)	3.88532 (07040208)	5.28184 (05070408)

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113333 , L0113334 , L0113335 , L0113336 ,
L0113337 , L0113338 , L0113339 , L0113340 , L0113341 , L0113342 , L0113343 , L0113344 ,
L0113345 , L0113346 , L0113347 , L0113348 , L0113349 , L0113350 , L0113351 , L0113352 ,
L0113353 , L0113354 , L0113355 , L0113356 , L0113357 , L0113358 , L0113359 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 496553.03	497553.03	498553.03	499553.03	500553.03
3767938.3	2.17142 (06042908)	1.95246 (07051508)	1.56739 (07042208)	1.33599 (07042208)	1.05386 (05050224)
3766938.3	2.11976 (06042908)	1.90407 (07051508)	1.51328 (07042208)	1.19551 (05050224)	1.49140 (05050224)
3765938.3	2.16076 (07051508)	1.79713 (07042208)	1.38613 (05050224)	1.18470 (05050224)	1.25285 (05050224)
3764938.3	2.09471 (07042208)	1.71678 (07110708)	1.86612 (05050224)	1.48060 (07072024)	1.28441 (05110508)
3763938.3	1.96628 (07110708)	2.03844 (05050224)	2.02080 (07110708)	1.76480 (07110708)	1.55552 (07103124)
3762938.3	2.24409 (07110708)	2.26553 (07110708)	2.06280 (07110708)	1.87877 (06100124)	2.04954 (06100124)
3761938.3	2.58582 (07110708)	2.21134 (07110708)	2.24198 (06100124)	2.25421 (06100124)	1.58644 (06100124)
3760938.3	2.44653 (06100124)	2.53013 (06100124)	2.81703 (06091608)	2.78878 (06091608)	2.49295 (06091608)
3759938.3	3.71963 (06091608)	3.52683 (06091608)	3.10576 (06091608)	2.72519 (06091608)	2.61045 (07122008)
3758938.3	4.29599 (06091608)	3.57429 (06091608)	3.34727 (07122008)	3.09804 (07122008)	2.94078 (07122008)
3757938.3	4.63104 (07122008)	4.10619 (07122008)	3.58072 (07122008)	2.98461 (07122008)	2.54562 (06031124)
3756938.3	4.45646 (07122008)	4.02563 (07122008)	3.42660 (07122008)	2.92607 (07122008)	3.03452 (07071224)
3755938.3	4.87974 (07122008)	4.31441 (07071224)	3.84609 (07071224)	3.38882 (07071224)	3.02340 (07071224)
3754938.3	5.94523 (07071224)	5.32564 (07071224)	4.70093 (07071224)	3.97659 (07071224)	3.37529 (07071224)
3753938.3	6.08227 (07061124)	5.40332 (07061124)	4.90948 (07061124)	4.46392 (07061124)	4.02823 (07061124)
3752938.3	6.83915 (06051524)	5.84491 (06051524)	5.06825 (06051524)	4.51556 (05091008)	4.03042 (06051524)
3751938.3	5.66750 (05040408)	5.71459 (05040408)	5.45830 (05040408)	5.02091 (05040408)	4.62740 (05040408)
3750938.3	7.58401 (06050308)	6.80483 (05070924)	5.79934 (05070924)	4.53244 (05081824)	4.15789 (05081824)
3749938.3	9.88893 (05080508)	12.14907 (05080508)	7.84786 (05080508)	5.01494 (06050308)	4.58634 (07063024)
3748938.3	7.92557 (05022524)	8.21611 (05052908)	9.36068 (05080508)	8.51380 (05080508)	6.08905 (05080508)
3747938.3	9.99509 (05022524)	8.66960 (05022524)	9.20334 (05022524)	6.09355 (05052908)	6.33704 (05080508)
3746938.3	5.89675 (07061508)	6.29100 (05022524)	8.80979 (05022524)	6.46650 (05022524)	5.02302 (06060808)
3745938.3	5.61390 (07080408)	5.16313 (07061508)	4.82199 (05022524)	7.47181 (05022524)	8.36721 (05022524)
3744938.3	5.49654 (07070708)	4.84384 (07080408)	4.50102 (07061508)	4.26563 (07061508)	4.81777 (05022524)
3743938.3	5.26965 (07070708)	4.88613 (07070708)	4.24590 (07080408)	4.00757 (07080408)	3.92853 (07061508)
3742938.3	5.41111 (07072208)	4.78367 (07070708)	4.38369 (07070708)	3.77677 (07080408)	3.63384 (07080408)
3741938.3	5.11158 (07072208)	4.81760 (07072208)	4.38368 (07070708)	3.96753 (07070708)	3.40771 (07080408)

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113333 , L0113334 , L0113335 , L0113336 ,
L0113337 , L0113338 , L0113339 , L0113340 , L0113341 , L0113342 , L0113343 , L0113344 ,
L0113345 , L0113346 , L0113347 , L0113348 , L0113349 , L0113350 , L0113351 , L0113352 ,
L0113353 , L0113354 , L0113355 , L0113356 , L0113357 , L0113358 , L0113359 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501553.03	502553.03	503553.03	504553.03	505553.03
3767938.3	1.08571 (05050224)	0.78025 (07040708)	0.57813 (05032008)	0.50032 (05012616)	0.46502 (05012616)
3766938.3	1.07820 (07040708)	0.55123 (05012616)	0.51224 (05012616)	0.44249 (05012616)	0.37375 (05011124)
3765938.3	0.88742 (07040708)	0.52181 (05012616)	0.43910 (05012616)	0.45409 (05011124)	0.55913 (05011124)
3764938.3	1.05361 (05031124)	0.82180 (06052524)	0.78737 (05011124)	0.78103 (07032708)	0.78940 (05040824)
3763938.3	1.77488 (06100124)	1.60477 (06100124)	1.34562 (06100124)	1.19931 (07022808)	1.05158 (05040824)
3762938.3	1.89557 (06100124)	1.85503 (06091608)	1.28005 (07022808)	1.11711 (05040824)	1.12998 (06041708)
3761938.3	2.24743 (06091608)	1.61040 (05072524)	1.81851 (06091608)	1.47555 (06091608)	1.34591 (06031124)
3760938.3	2.18044 (06091608)	1.83273 (06091608)	1.77470 (06031124)	1.81603 (06031124)	1.79441 (06031124)
3759938.3	2.54601 (07122008)	2.24145 (06031124)	2.25647 (06031124)	2.12520 (06031124)	1.85140 (06031124)
3758938.3	2.61675 (06031124)	2.36246 (06031124)	2.01442 (05032324)	1.89343 (05061224)	1.75779 (05061224)
3757938.3	2.37604 (05032324)	2.21445 (05061224)	2.00040 (07092308)	2.03635 (07071224)	2.05303 (07071224)
3756938.3	2.96877 (07071224)	2.77847 (07071224)	2.56990 (07071224)	2.39175 (07071224)	2.28029 (07071224)
3755938.3	2.82354 (07071224)	2.68199 (07071224)	2.51227 (07071224)	2.33707 (07071224)	2.17535 (07062508)

3754938.3	2.96811 (07061124)	2.79935 (07061124)	2.60419 (07061124)	2.43964 (07061124)	2.28058 (07061124)
3753938.3	3.68551 (07061124)	3.40124 (07061124)	3.18092 (07061124)	2.99631 (07061124)	2.84778 (07061124)
3752938.3	3.69509 (06051524)	3.44058 (06051524)	3.22957 (06051524)	3.04648 (06051524)	2.87955 (06051524)
3751938.3	4.32679 (05040408)	4.04588 (05040408)	3.78796 (05040408)	3.54041 (05040408)	3.28001 (05040408)
3750938.3	3.74131 (05081824)	3.26858 (07043024)	3.04486 (07043024)	2.89337 (05040408)	2.88635 (05040408)
3749938.3	4.46233 (07063024)	3.81483 (07063024)	3.31540 (05081824)	3.17444 (05081824)	2.97493 (05081824)
3748938.3	4.33576 (06050308)	3.71699 (06050308)	3.41522 (07063024)	3.96740 (07063024)	3.71358 (07063024)
3747938.3	6.63766 (05080508)	5.23728 (05080508)	4.59570 (05080508)	3.81413 (06012824)	3.26307 (05080908)
3746938.3	5.12371 (05052908)	4.79440 (05080508)	6.54547 (05080508)	6.91684 (05080508)	5.43330 (05080508)
3745938.3	7.14470 (05022524)	6.50296 (06060808)	4.95103 (05052908)	3.69500 (07062724)	4.31584 (05080508)
3744938.3	3.96560 (05022524)	4.64212 (05022524)	3.79157 (05022524)	3.18454 (06060808)	2.94412 (05052908)
3743938.3	4.30384 (05022524)	2.97527 (05022524)	3.65224 (05022524)	3.65043 (05022524)	2.91047 (06060808)
3742938.3	3.64476 (07061508)	4.40673 (07061508)	2.66841 (07062608)	2.93472 (05022524)	3.17867 (05022524)
3741938.3	3.30766 (07080408)	3.35104 (07061508)	3.28023 (07061508)	3.17914 (07062608)	2.28668 (05022524)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** CO - LST ASSESSMENT (NO REFRIGERATION) *** 10:01:49
PAGE 79

**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113333 , L0113334 , L0113335 , L0113336 ,
L0113337 , L0113338 , L0113339 , L0113340 , L0113341 , L0113342 , L0113343 , L0113344 ,
L0113345 , L0113346 , L0113347 , L0113348 , L0113349 , L0113350 , L0113351 , L0113352 ,
L0113353 , L0113354 , L0113355 , L0113356 , L0113357 , L0113358 , L0113359 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 437508.49	439508.49	441508.49	443508.49	445508.49
3767938.3	0.94022 (07112008)	1.14711 (07112008)	1.28105 (07112008)	1.29755 (07112008)	1.25632 (07122808)
3765938.3	1.01090 (05122808)	0.99773 (05122808)	0.99175 (05121908)	0.97519 (05121908)	1.19124 (07112008)
3763938.3	1.38811 (06020508)	1.39496 (06020508)	1.36823 (06020508)	1.28292 (06020508)	1.15443 (06020508)
3761938.3	1.20478 (06123108)	1.12617 (06123108)	1.21518 (06020508)	1.38034 (06020508)	1.52208 (06020508)
3759938.3	1.44308 (06123108)	1.50175 (06123108)	1.56391 (06123108)	1.60879 (06123108)	1.62564 (06123108)
3757938.3	1.18624 (06102508)	1.20444 (06102508)	1.24217 (06102508)	1.30625 (06123108)	1.43419 (06123108)
3755938.3	1.17783 (06112108)	1.19259 (06112108)	1.23831 (06112108)	1.27835 (06112108)	1.32397 (06112108)
3753938.3	1.08763 (05111208)	1.04438 (05111208)	1.07494 (05111208)	1.11759 (05111208)	1.15624 (05111208)
3751938.3	0.86336 (07121524)	0.91148 (07121524)	0.93522 (07121524)	0.98918 (07121524)	1.04446 (07121524)
3749938.3	1.06296 (07012408)	1.15412 (07012408)	1.22588 (07012408)	1.31873 (07012408)	1.40120 (07012408)
3747938.3	1.13973 (07012408)	1.27331 (07033108)	1.24069 (07033108)	1.23731 (07033108)	1.24902 (07033108)
3745938.3	1.19876 (07121408)	1.01680 (07121408)	1.17154 (05031908)	1.20126 (05031908)	1.23745 (05031908)
3743938.3	1.21061 (05031908)	0.83924 (05031908)	0.95615 (07103108)	1.40765 (05031908)	1.29626 (05031908)
3741938.3	0.97505 (07103108)	0.90511 (07091308)	0.88372 (06100508)	1.11016 (07012408)	1.12659 (07030808)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113333 , L0113334 , L0113335 , L0113336 ,
L0113337 , L0113338 , L0113339 , L0113340 , L0113341 , L0113342 , L0113343 , L0113344 ,
L0113345 , L0113346 , L0113347 , L0113348 , L0113349 , L0113350 , L0113351 , L0113352 ,
L0113353 , L0113354 , L0113355 , L0113356 , L0113357 , L0113358 , L0113359 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 447508.49	449508.49	451508.49	453508.49	455508.49
3767938.3	1.35941 (07122808)	1.33182 (07121708)	1.37439 (06112008)	1.55274 (06112008)	1.75875 (07042108)
3765938.3	1.39391 (07112008)	1.44945 (07112008)	1.40431 (07122808)	1.47003 (07122808)	1.55558 (07121708)
3763938.3	1.15930 (05122808)	1.13578 (05121908)	1.23403 (07112008)	1.49256 (07112008)	1.60459 (07112008)
3761938.3	1.61920 (06020508)	1.64649 (06020508)	1.58807 (06020508)	1.42475 (06020508)	1.37951 (05122808)
3759938.3	1.61536 (06123108)	1.56375 (06123108)	1.46593 (06123108)	1.64545 (06020508)	1.83914 (06020508)
3757938.3	1.57420 (06123108)	1.71510 (06123108)	1.86446 (06123108)	2.03937 (06123108)	2.13329 (06123108)
3755938.3	1.36697 (06112108)	1.42320 (06112108)	1.49929 (06112108)	1.58140 (06112108)	1.59924 (06112108)
3753938.3	1.21656 (05111208)	1.26410 (05111208)	1.38732 (06112108)	1.44491 (06112108)	1.50079 (06112108)
3751938.3	1.10106 (07121524)	1.16459 (07121524)	1.25414 (07121524)	1.29135 (07012408)	1.40511 (07012408)
3749938.3	1.47264 (07012408)	1.57868 (07012408)	1.60097 (07012408)	1.64828 (07012408)	1.71702 (07012408)
3747938.3	1.26850 (07121408)	1.23534 (07121408)	1.26054 (07033108)	1.41040 (05031908)	1.67571 (05031908)
3745938.3	1.31346 (05031908)	1.36469 (05031908)	1.44380 (05031908)	1.62460 (05031908)	1.53768 (05031908)
3743938.3	1.23034 (05031908)	1.24912 (07012408)	1.27091 (07012408)	1.33295 (07012408)	1.61593 (07030808)
3741938.3	1.42052 (07030808)	1.48785 (07030808)	1.46390 (07030808)	1.82738 (05110908)	2.43027 (05110908)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113333 , L0113334 , L0113335 , L0113336 ,
L0113337 , L0113338 , L0113339 , L0113340 , L0113341 , L0113342 , L0113343 , L0113344 ,
L0113345 , L0113346 , L0113347 , L0113348 , L0113349 , L0113350 , L0113351 , L0113352 ,
L0113353 , L0113354 , L0113355 , L0113356 , L0113357 , L0113358 , L0113359 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 457508.49	459508.49
3767938.3	1.79920 (07042108)	1.58941 (07121808)
3765938.3	1.83717 (06112008)	2.58297 (07042108)
3763938.3	1.60643 (07122808)	1.68928 (07122808)
3761938.3	1.40376 (05122808)	1.83499 (07112008)

3759938.3	2.00349 (06020508)	2.03451 (06020508)
3757938.3	2.20886 (06123108)	2.27276 (06123108)
3755938.3	1.62663 (06112108)	1.74192 (06102508)
3753938.3	1.61599 (06112108)	1.72179 (06112108)
3751938.3	1.55941 (07012408)	1.75266 (07012408)
3749938.3	1.79757 (07033108)	1.92945 (07033108)
3747938.3	1.78201 (05031908)	1.93074 (05031908)
3745938.3	1.65715 (07012408)	1.70460 (07012408)
3743938.3	1.89470 (05110908)	2.48296 (05110908)
3741938.3	2.89983 (05110908)	3.18428 (05110908)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113333 , L0113334 , L0113335 , L0113336 ,
L0113337 , L0113338 , L0113339 , L0113340 , L0113341 , L0113342 , L0113343 , L0113344 ,
L0113345 , L0113346 , L0113347 , L0113348 , L0113349 , L0113350 , L0113351 , L0113352 ,
L0113353 , L0113354 , L0113355 , L0113356 , L0113357 , L0113358 , L0113359 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71
3754634.4	35.48089 (07120324)	37.22381 (07120324)	38.94835 (07120324)	41.29110 (07120324)	43.91682 (07120324)
3754534.4	34.70055 (07120324)	36.52322 (07120324)	38.11098 (07120324)	40.29074 (07120324)	43.07446 (07120324)
3754434.4	33.56263 (07120324)	35.42893 (07120324)	37.36895 (07120324)	39.48220 (07120324)	41.83385 (07120324)
3754334.4	32.72061 (07120324)	34.63144 (07120324)	36.52445 (07120324)	38.43498 (07120324)	40.94615 (07120324)
3754234.4	31.97806 (07120324)	33.66404 (07120324)	35.76839 (07120324)	37.86711 (07120324)	40.09003 (07120324)
3754134.4	31.80970 (07012408)	33.20446 (07120324)	35.08795 (07120324)	37.34840 (07120324)	39.86806 (07120324)
3754034.4	32.50292 (07012408)	32.72317 (07120324)	34.67068 (07120324)	36.88751 (07120324)	39.28325 (07120324)
3753934.4	32.53758 (07012408)	32.45558 (07012408)	33.78525 (07012408)	35.97546 (07120324)	38.21377 (07120324)
3753834.4	32.82768 (06123108)	33.80215 (06123108)	34.68458 (06123108)	35.97784 (06123108)	37.69835 (07120324)
3753734.4	34.64547 (06123108)	36.03620 (06123108)	37.03571 (06123108)	38.52509 (06123108)	39.53357 (06123108)
3753634.4	34.54387 (06123108)	37.31950 (06123108)	35.61606 (06123108)	38.87953 (06123108)	40.74087 (06123108)
3753534.4	32.25031 (06123108)	32.86274 (06123108)	34.91820 (06123108)	39.15997 (06123108)	40.99195 (06123108)
3753434.4	31.29154 (07012408)	32.58816 (07012408)	33.97305 (07012408)	35.32966 (07012408)	37.71698 (06123108)
3753334.4	31.53016 (07012408)	32.78169 (07012408)	33.81501 (07012408)	35.19050 (07012408)	36.61037 (07012408)
3753234.4	31.35522 (07012408)	32.37437 (07012408)	33.75160 (07012408)	35.33563 (07012408)	36.46272 (07012408)
3753134.4	31.54218 (07012408)	32.46776 (07012408)	33.12177 (07012408)	34.05212 (07012408)	36.28642 (07012408)
3753034.4	30.18029 (07012408)	30.94031 (07012408)	32.71233 (07012408)	33.52384 (07012408)	35.35433 (07012408)
3752934.4	28.21178 (07012408)	29.31391 (07012408)	30.96351 (07012408)	31.86542 (07012408)	33.73766 (07012408)
3752834.4	27.37698 (07012408)	28.40002 (05110908)	29.62212 (05110908)	31.12670 (05110908)	32.85555 (05110908)
3752734.4	28.00935 (05110908)	29.25075 (05110908)	30.58333 (05110908)	32.12551 (05110908)	33.82114 (05110908)
3752634.4	28.68840 (05110908)	29.85089 (05110908)	31.27251 (05110908)	32.70090 (05110908)	34.17009 (05110908)
3752534.4	29.06010 (05110908)	30.20019 (05110908)	31.16147 (05110908)	32.70735 (05110908)	33.94552 (05110908)
3752434.4	29.05929 (05110908)	30.22445 (05110908)	31.24381 (05110908)	32.31111 (05110908)	33.25570 (05110908)
3752334.4	28.71685 (05110908)	29.68878 (05110908)	30.46785 (05110908)	31.12153 (05110908)	31.92412 (05110908)
3752234.4	27.87626 (05110908)	28.51787 (05110908)	29.29615 (05110908)	29.60149 (05110908)	29.93424 (05110908)
3752134.4	26.72581 (05110908)	27.22542 (05110908)	27.49246 (05110908)	27.69685 (05110908)	27.84821 (05110908)
3752034.4	25.44503 (05110908)	25.57471 (05110908)	25.35982 (05110908)	25.40710 (05110908)	25.48998 (05110908)
3751934.4	23.48795 (05110908)	23.46129 (05110908)	23.39376 (05110908)	23.15853 (05110908)	23.43216 (07011224)
3751834.4	21.64204 (05110908)	21.51925 (05110908)	21.47635 (07011224)	21.97885 (07011224)	22.12120 (07011224)
3751734.4	19.97263 (05110908)	20.22339 (07011224)	20.77703 (07011224)	21.05497 (07011224)	21.16832 (06031908)
3751634.4	19.05946 (07011224)	19.72068 (05022224)	19.86807 (05022224)	20.21034 (06031908)	20.89441 (06031908)
3751534.4	18.37349 (05022224)	18.84342 (05022224)	20.36480 (06011808)	21.05868 (06011808)	22.11975 (06011808)
3751434.4	17.86140 (06031908)	19.33612 (06011808)	20.92225 (06011808)	21.62875 (06011808)	21.86611 (06011808)
3751334.4	17.88698 (06011808)	19.38647 (06011808)	20.51321 (06011808)	21.11392 (06011808)	21.06550 (07122424)
3751234.4	18.60072 (06011808)	19.72541 (06011808)	20.23774 (06011808)	20.25694 (07122424)	21.10381 (07122424)
3751134.4	19.03389 (06011808)	19.24055 (06011808)	19.32323 (06011808)	19.81203 (07122424)	19.24377 (07122424)
3751034.4	18.59520 (06011808)	18.66719 (06011808)	19.31317 (07122424)	16.38651 (07122424)	16.94373 (07122424)
3750934.4	17.82368 (07122424)	18.73612 (07122424)	16.37664 (07122424)	14.72129 (07122424)	13.93440 (06121324)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** CO - LST ASSESSMENT (NO REFRIGERATION) *** 10:01:49
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**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113333 , L0113334 , L0113335 , L0113336 ,
L0113337 , L0113338 , L0113339 , L0113340 , L0113341 , L0113342 , L0113343 , L0113344 ,
L0113345 , L0113346 , L0113347 , L0113348 , L0113349 , L0113350 , L0113351 , L0113352 ,
L0113353 , L0113354 , L0113355 , L0113356 , L0113357 , L0113358 , L0113359 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485051.71	485151.71	485251.71	485351.71	485451.71
3754634.4	46.83188 (07120324)	49.96929 (07120324)	53.15720 (07120324)	57.67126 (07120324)	63.57764 (07120324)
3754534.4	46.27244 (07120324)	49.45030 (07120324)	53.43659 (07120324)	57.66499 (07120324)	62.19662 (07120324)
3754434.4	44.57167 (07120324)	47.71294 (07120324)	51.50662 (07120324)	56.03532 (07120324)	62.72373 (07120324)
3754334.4	43.45235 (07120324)	46.11077 (07120324)	49.31030 (07120324)	53.09453 (07120324)	58.86794 (07120324)
3754234.4	42.36173 (07120324)	45.11613 (07120324)	47.67642 (07120324)	49.77516 (07120324)	48.15799 (07120324)
3754134.4	42.26943 (07120324)	44.53306 (07120324)	46.48328 (07120324)	48.02362 (07120324)	46.43534 (07120324)
3754034.4	41.71505 (07120324)	43.73223 (07120324)	46.09367 (07120324)	47.61036 (07120324)	45.17143 (07120324)
3753934.4	41.09702 (07120324)	43.52805 (07120324)	46.04339 (07120324)	47.72330 (07120324)	46.25257 (07120324)
3753834.4	40.28716 (07120324)	43.02604 (07120324)	45.74068 (07120324)	46.60604 (07120324)	45.56901 (07120324)
3753734.4	40.53037 (06123108)	43.23975 (06123108)	45.17092 (07120324)	47.36063 (07120324)	46.58813 (07120324)
3753634.4	42.62375 (06123108)	44.67724 (06123108)	46.62023 (06123108)	47.54517 (06123108)	45.64849 (06123108)
3753534.4	41.62874 (06123108)	43.43199 (06123108)	43.79826 (06123108)	46.81194 (06123108)	46.84581 (06123108)
3753434.4	39.70782 (06123108)	40.58466 (06123108)	41.51277 (06123108)	43.59774 (06123108)	41.75547 (06123108)
3753334.4	38.52766 (07012408)	39.59870 (07012408)	40.69837 (07012408)	41.70821 (07012408)	38.08868 (06123108)
3753234.4	37.77598 (07012408)	39.70624 (07012408)	41.10595 (07012408)	42.62265 (07012408)	38.88108 (07012408)
3753134.4	37.91622 (07012408)	40.42453 (07012408)	40.82413 (07012408)	41.99604 (07012408)	39.09802 (07012408)
3753034.4	36.72441 (07012408)	38.93354 (07012408)	40.38980 (07012408)	42.58228 (07012408)	44.62039 (07012408)
3752934.4	35.16566 (07012408)	37.12138 (07012408)	39.29167 (07012408)	41.51492 (05110908)	45.21584 (05110908)

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3752834.4 |     34.88939 (05110908)     37.19979 (05110908)     39.55425 (05110908)     42.53244 (05110908)     45.25154 (05110908)
3752734.4 |     35.76703 (05110908)     37.66383 (05110908)     39.88972 (05110908)     41.96609 (05110908)     44.22559 (05110908)
3752634.4 |     35.83349 (05110908)     37.60846 (05110908)     39.33947 (05110908)     41.02007 (05110908)     43.18787 (05110908)
3752534.4 |     35.32808 (05110908)     36.78332 (05110908)     38.05387 (05110908)     39.59541 (05110908)     41.23235 (05110908)
3752434.4 |     33.92167 (05110908)     35.39790 (05110908)     36.03009 (05110908)     37.33278 (05110908)     38.41518 (05110908)
3752334.4 |     32.49548 (05110908)     33.24292 (05110908)     33.72549 (05110908)     34.45637 (05110908)     35.16040 (05110908)
3752234.4 |     29.73593 (05110908)     30.68125 (05110908)     30.77685 (05110908)     31.53540 (07011224)     33.53156 (07011224)
3752134.4 |     27.82495 (05110908)     27.90633 (05110908)     28.82939 (07011224)     30.18956 (07011224)     31.19797 (07011224)
3752034.4 |     25.27184 (07011224)     26.09946 (07011224)     26.87601 (07011224)     27.96928 (07011224)     32.00314 (06121324)
3751934.4 |     24.01352 (07011224)     24.58001 (07011224)     25.22330 (06031908)     27.82418 (06022408)     31.12093 (06121324)
3751834.4 |     22.61611 (06031908)     23.45406 (06031908)     25.41632 (06022408)     27.96756 (06121324)     29.48972 (06022408)
3751734.4 |     21.78245 (06031908)     22.85421 (06011808)     24.98086 (06022408)     27.32353 (06022408)     26.98661 (06022408)
3751634.4 |     21.15292 (06031908)     22.98525 (07122424)     25.03838 (06022408)     25.02943 (06022408)     23.40130 (05041608)
3751534.4 |     22.09660 (07122424)     23.31901 (07122424)     22.90874 (07122424)     19.54696 (05041608)     18.38094 (05041608)
3751434.4 |     22.32149 (07122424)     21.60872 (07122424)     18.48503 (06121324)     15.84177 (05041608)     15.73527 (05041608)
3751334.4 |     21.85560 (07122424)     18.64940 (06121324)     14.65783 (05041608)     14.23141 (05041608)     14.54808 (06121824)
3751234.4 |     19.65441 (07122424)     16.29644 (06121324)     13.82362 (05041608)     13.70122 (05041608)     13.74889 (06121824)
3751134.4 |     16.99925 (06121324)     15.60970 (05041608)     14.07288 (05041608)     13.71848 (05041608)     13.17327 (05041608)
3751034.4 |     15.18237 (06121324)     14.03584 (05041608)     12.89982 (05041608)     12.57920 (05041608)     12.48963 (05041608)
3750934.4 |     13.60220 (05041608)     12.62107 (05041608)     11.91585 (06121824)     11.85192 (06121824)     11.92896 (06121824)
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** CO - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:01:49
                                                                                                                       PAGE  84
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
                       FASTALL

                          *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                              INCLUDING SOURCE(S):     PHASE1      , L0113333    , L0113334    , L0113335    , L0113336    ,
                L0113337    , L0113338    , L0113339    , L0113340    , L0113341    , L0113342    , L0113343    , L0113344    ,
                L0113345    , L0113346    , L0113347    , L0113348    , L0113349    , L0113350    , L0113351    , L0113352    ,
                L0113353    , L0113354    , L0113355    , L0113356    , L0113357    , L0113358    , L0113359    ,  . . .      ,

                                    *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                         ** CONC OF CO       IN MICROGRAMS/M**3                          **

 Y-COORD  |                                                  X-COORD (METERS)
 (METERS) |       485549.47               485649.47               485749.47               485849.47
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                    GP = GRIDPOLR
                    DC = DISCCART
                    DP = DISCPOLR
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                  *** CO - LST ASSESSMENT (NO REFRIGERATION)                                ***        10:01:49
                                                                                                                       PAGE  87
 **MODELOPTs:  NonDFAULT CONC                                                ELEV
                         FASTALL

                                                  *** THE SUMMARY OF HIGHEST  8-HR RESULTS ***


                                   ** CONC OF CO       IN MICROGRAMS/M**3                          **

                                                     DATE                                                                  NETWORK
GROUP ID                          AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - -
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World Logistics Center **2012 Phase 1**
Nox Emissions

Emission Assumptions - Peak PM Hour

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for Nox emissions
c) Emissions calculated for 2012

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr):	24
Facility operations for All Others (hr):	24

World Logistics Center

2012 **Phase 1** **Build out in 2012**

Vehicle Running Exhaust Emissions

Pollutant **Nox**

Travel to Building	**AERMOD Source ID**	**Diesel Vehicles (g/sec)**	**Non-Diesel Vehicles (g/sec)**	**Total (g/sec)**
High Cube	Phase 1	1.84E+00	9.49E-02	1.93E+00
Light Logistics	Phase 1	1.43E-02	1.40E-03	1.57E-02
Gas Compressor	Phase 1	4.05E-03	5.32E-04	4.58E-03
Fueling Station/Convenience Store	Phase 1	4.95E-03	1.07E-04	5.06E-03
Total		1.86E+00	9.69E-02	1.96E+00

Vehicle Idling Emission Sources

Pollutant **Nox**

Building	**AERMOD Source IDs**	**Diesel Vehicles Emissions (g/sec)**	**Non-Diesel Emissions (g/sec)**	**Total Emissions (g/sec)**
High Cube	Phase 1	2.39E+00	7.29E-03	2.39E+00
Light Logistics	Phase 1	3.55E-02	1.71E-04	3.56E-02
GasCompressor	Phase 1	1.02E-02	1.14E-04	1.03E-02
Fueling Station/Convenience Store	Phase 1	5.94E-02	5.68E-05	5.95E-02
Total		2.49E+00	7.63E-03	2.50E+00

Total Onsite Emission

Runing Exhaust	1.96E+00	
Idling Emissions	2.50E+00	
Total	4.46E+00	g/sec
Size of Area Source	4600443	m2
Area Emission Rate	**9.69E-07**	**g/m2-sec**
Weighted Emission Ht (m)	3.93E+00	

World Logistics Center **2012** **Phase 1**

Vehicle Fleet Mix

	Building Size (sq-ft)	
High Cube Warehouse	21250000	
Light Logistics	200000	
Compression Station	30825	
Fueling Station/Convenience Store	3000	6 pumps
	21,483,825	

Trip Generation

	trips/pk hr (Non-PCE)	Source
High Cube Warehouse	2550	<---- PB 2012 (100512)
Light Logistics	64	
Compression Station	23	
Fueling Station/convenience Store	36	
Total	2673	

Vehicle Fleet for High Cube Warehouse

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	64.3%	53.23%	0.27%	2	871	873
LDT1		7.93%	0.11%	0	130	130
LDT2		19.54%	0.04%	0	320	320
MDT		19.30%	0.08%	0	316	317
SubTotal		100.0%		3	1637	1640
LHDT1 (2 axle truck)	6.1%	85.42%	37.31%	50	83	133
LHDT2		14.58%	69.81%	16	7	23
Subtota;		100.0%		65	90	156
MHDT (3 axle truck)	8.1%	100.0%	86.27%	178	28	207
HHDT (4+ axle truck)	21.5%	100.0%	98.96%	543	6	548
Total	100.0%			789	1761	2550

Vehicle Fleet for Light Logistics

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	76.6%	53.23%	0.27%	0	26	26
LDT1		7.93%	0.11%	0	4	4
LDT2		19.54%	0.04%	0	10	10
MDT		19.30%	0.08%	0	9	9
SubTotal		100.0%		0	49	49
LHDT1 (2 axle truck)	6.3%	85.42%	37.31%	1	2	3
LHDT2		14.58%	69.81%	0	0	1
Subtota;		100.0%		2	2	4
MHDT (3 axle truck)	4.7%	100.0%	86.27%	3	0	3
HHDT (4+ axle truck)	12.4%	100.0%	98.96%	8	0	8
Total	100.0%			12	52	64

Vehicle Fleet for Gas Compression

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	75.1%	53.23%	0.27%	0	9	9
LDT1		7.93%	0.11%	0	1	1
LDT2		19.54%	0.04%	0	3	3
MDT		19.30%	0.08%	0	3	3
SubTotal		100.0%		0	18	18
LHDT1 (2 axle truck)	12.5%	85.42%	37.31%	1	2	3
LHDT2		14.58%	69.81%	0	0	0
Subtota;		100.0%		1	2	3
MHDT (3 axle truck)	4.1%	100.0%	86.27%	1	0	1
HHDT (4+ axle truck)	8.3%	100.0%	98.96%	2	0	2
Total	100.0%			4	19	23

Vehicle Fleet for Fueling Station/Convenience Store

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	45.7%	53.23%	0.27%	0	9	9
LDT1		7.93%	0.11%	0	1	1
LDT2		19.54%	0.04%	0	3	3
MDT		19.30%	0.08%	0	3	3
SubTotal		100.0%		0	16	16
LHDT1 (2 axle truck)	2.2%	85.42%	37.31%	0	0	1
LHDT2		14.58%	69.81%	0	0	0
Subtota;		100.0%		0	0	1
MHDT (3 axle truck)	8.7%	100.0%	86.27%	3	0	3
HHDT (4+ axle truck)	43.4%	100.0%	98.96%	15	0	16
Total	100.0%			19	17	36

Vehicle Summary (High Cube + Light Logistics + Gas Compressor + Fueling Station/Convennience Store)

Vehicle Class	Pk Hr Diesel Trips	Pk Hr Non Diesel Trips	Total Pk Hr Trips
LDA	2	915	917
LDT1	0	136	137
LDT2	0	336	337
MDT	0	332	333
LHDT1	52	87	139
LHDT2	17	7	24
MHDT	184	29	214
HHDT	568	6	574
Total	824	1850	2674

Trip Generation from PB 2012 Traffic Study
Vehicle Fleet Mix taken from EMFAC2011 for the SCAQMD in **2012** and the PB 2012 Traffic Study
% Diesel taken from EMAC2011 for the SCAQMD in **2012**

World Logistics Center 2012 Phase 1 Build out in 2012
Diesel Vehicle Emissions Nox

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions Nox Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/hr)	Pk Hr Emissions (lbs/hr)	Pk Hr Average Emissions (g/sec)	Total Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	LDA	15	0.798	2	950	0.59	1.12E+00	2.46E-03	3.10E-04	
	LDT1	15	0.996	0	950	0.59	8.10E-02	1.78E-04	2.25E-05	
	LDT2	15	1.073	0	950	0.59	8.93E-02	1.97E-04	2.48E-05	
	MDT	15	0.578	0	950	0.59	8.87E-02	1.95E-04	2.47E-05	
	LHDT1	15	5.246	50	950	0.59	1.53E+02	3.38E-01	4.26E-02	
	LHDT2	15	4.952	16	950	0.59	4.63E+01	1.02E-01	1.28E-02	
	MHDT	15	10.213	178	950	0.59	1.07E+03	2.37E+00	2.98E-01	
	HHDT	15	16.658	543	950	0.59	5.33E+03	1.17E+01	1.48E+00	
				789			6.61E+03	1.46E+01	1.84E+00	1.84E+00
Travel at Light Logistics	LDA	15	0.798	0	500	0.31	1.76E-02	3.87E-05	4.88E-06	
	LDT1	15	0.996	0	500	0.31	1.27E-03	2.81E-06	3.54E-07	
	LDT2	15	1.073	0	500	0.31	1.40E-03	3.09E-06	3.90E-07	
	MDT	15	0.578	0	500	0.31	1.40E-03	3.08E-06	3.88E-07	
	LHDT1	15	5.246	1	500	0.31	2.09E+00	4.61E-03	5.82E-04	
	LHDT2	15	4.952	0	500	0.31	6.31E-01	1.39E-03	1.75E-04	
	MHDT	15	10.213	3	500	0.31	8.23E+00	1.81E-02	2.29E-03	
	HHDT	15	16.658	8	500	0.31	4.06E+01	8.95E-02	1.13E-02	
				12			5.16E+01	1.14E-01	1.43E-02	1.43E-02
Travel at Gas Compressor	LDA	15	0.798	0	500	0.31	6.31E-03	1.39E-05	1.75E-06	
	LDT1	15	0.996	0	500	0.31	4.57E-04	1.01E-06	1.27E-07	
	LDT2	15	1.073	0	500	0.31	5.04E-04	1.11E-06	1.40E-07	
	MDT	15	0.578	0	500	0.31	5.01E-04	1.10E-06	1.39E-07	
	LHDT1	15	5.246	1	500	0.31	1.52E+00	3.35E-03	4.22E-04	
	LHDT2	15	4.952	0	500	0.31	4.58E-01	1.01E-03	1.27E-04	
	MHDT	15	10.213	1	500	0.31	2.63E+00	5.79E-03	7.30E-04	
	HHDT	15	16.658	2	500	0.31	9.96E+00	2.19E-02	2.77E-03	
							1.46E+01	3.21E-02	4.05E-03	4.05E-03
Travel at Refueling Station	LDA	15	0.798	0	100	0.06	1.18E-03	2.60E-06	3.28E-07	
	LDT1	15	0.996	0	100	0.06	8.55E-05	1.88E-07	2.38E-08	
	LDT2	15	1.073	0	100	0.06	9.43E-05	2.08E-07	2.62E-08	
	MDT	15	0.578	0	100	0.06	9.37E-05	2.06E-07	2.60E-08	
	LHDT1	15	5.246	0	100	0.06	8.23E-02	1.81E-04	2.29E-05	
	LHDT2	15	4.952	0	100	0.06	2.48E-02	5.46E-05	6.89E-06	
	MHDT	15	10.213	3	100	0.06	1.71E+00	3.78E-03	4.76E-04	
	HHDT	15	16.658	15	100	0.06	1.60E+01	3.52E-02	4.44E-03	
				19			1.78E+01	3.93E-02	4.95E-03	4.95E-03
Total - All Buildings	LDA			2			1.14E+00	2.52E-03	3.17E-04	
	LDT1			0			8.28E-02	1.82E-04	2.30E-05	
	LDT2			0			9.13E-02	2.01E-04	2.54E-05	
	MDT			0			9.07E-02	2.00E-04	2.52E-05	
	LHDT1			52			1.57E+02	3.46E-01	4.37E-02	
	LHDT2			17			4.74E+01	1.04E-01	1.32E-02	
	MHDT			184			1.09E+03	2.39E+00	3.02E-01	
	HHDT			568			5.40E+03	1.19E+01	1.50E+00	
	Total			824			6.69E+03	1.47E+01	1.86E+00	1.86E+00

Diesel truck Idling Emissions **Nox Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	**LHDT1**	34.167	15	25	2.12E+02	4.66E-01	5.88E-02	
	LHDT2	32.257	15	8	6.38E+01	1.41E-01	1.77E-02	
	MHDT	82.749	15	89	1.84E+03	4.06E+00	5.12E-01	
	HHDT	95.483	15	271	6.48E+03	1.43E+01	1.80E+00	
				393	8.59E+03	1.89E+01	2.39E+00	2.39E+00
Idle at Light Logistics	**LHDT1**	34.167	15	1	5.49E+00	1.21E-02	1.52E-03	
	LHDT2	32.257	15	0	1.65E+00	3.64E-03	4.59E-04	
	MHDT	82.749	15	1	2.68E+01	5.91E-02	7.46E-03	
	HHDT	95.483	15	4	9.37E+01	2.06E-01	2.60E-02	
				6	1.28E+02	2.81E-01	3.55E-02	3.55E-02
Idle at Gas Compressor	**LHDT1**	34.167	15	0	3.99E+00	8.78E-03	1.11E-03	
	LHDT2	32.257	15	0	1.20E+00	2.65E-03	3.34E-04	
	MHDT	82.749	15	0	8.57E+00	1.89E-02	2.38E-03	
	HHDT	95.483	15	1	2.30E+01	5.06E-02	6.38E-03	
				2	3.67E+01	8.09E-02	1.02E-02	1.02E-02
Idle at Fueling Station	**LHDT1**	34.167	15	0	1.08E+00	2.37E-03	2.99E-04	
	LHDT2	32.257	15	0	3.25E-01	7.16E-04	9.03E-05	
	MHDT	82.749	15	1	2.79E+01	6.16E-02	7.76E-03	
	HHDT	95.483	15	8	1.85E+02	4.06E-01	5.13E-02	
				9	2.14E+02	4.71E-01	5.94E-02	5.94E-02
TOTAL				410	8.97E+03	1.98E+01	2.49E+00	2.49E+00

World Logistics Center 2012 Phase 1 Build out in 2012
Non-Diesel Vehicle Emissions Nox

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions Nox Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/day)	Pk Hr Emissions (lbs/day)	Pk Hr Emissions (g/sec)	Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	0.179	871	950	0.59	9.17E+01	2.02E-01	2.55E-02	
	LDT1	15	0.476	130	950	0.59	3.65E+01	8.04E-02	1.01E-02	
	LDT2	15	0.343	320	950	0.59	6.48E+01	1.43E-01	1.80E-02	
	MDT	15	0.474	316	950	0.59	8.85E+01	1.95E-01	2.46E-02	
	LHDT1	15	0.476	83	950	0.59	2.34E+01	5.16E-02	6.50E-03	
	LHDT2	15	0.355	7	950	0.59	1.43E+00	3.16E-03	3.98E-04	
	MHDT	15	1.280	28	950	0.59	2.14E+01	4.72E-02	5.95E-03	
	HHDT	15	4.073	6	950	0.59	1.38E+01	3.03E-02	3.82E-03	
				1761			3.42E+02	7.52E-01	9.49E-02	9.49E-02
Travel at Light Logistics	LDA	15	0.179	26	500	0.31	1.44E+00	3.18E-03	4.01E-04	
	LDT1	15	0.476	4	500	0.31	5.74E-01	1.26E-03	1.59E-04	
	LDT2	15	0.343	10	500	0.31	1.02E+00	2.25E-03	2.83E-04	
	MDT	15	0.474	9	500	0.31	1.39E+00	3.07E-03	3.87E-04	
	LHDT1	15	0.476	2	500	0.31	3.19E-01	7.03E-04	8.87E-05	
	LHDT2	15	0.355	0	500	0.31	1.95E-02	4.30E-05	5.43E-06	
	MHDT	15	1.280	0	500	0.31	1.64E-01	3.62E-04	4.56E-05	
	HHDT	15	4.073	0	500	0.31	1.05E-01	2.31E-04	2.91E-05	
				52			5.04E+00	1.11E-02	1.40E-03	1.40E-03
Travel at Gas Compressor	LDA	15	0.179	9	500	0.31	5.18E-01	1.14E-03	1.44E-04	
	LDT1	15	0.476	1	500	0.31	2.06E-01	4.54E-04	5.72E-05	
	LDT2	15	0.343	3	500	0.31	3.66E-01	8.06E-04	1.02E-04	
	MDT	15	0.474	3	500	0.31	5.00E-01	1.10E-03	1.39E-04	
	LHDT1	15	0.476	2	500	0.31	2.32E-01	5.11E-04	6.44E-05	
	LHDT2	15	0.355	0	500	0.31	1.42E-02	3.13E-05	3.94E-06	
	MHDT	15	1.280	0	500	0.31	5.24E-02	1.15E-04	1.46E-05	
	HHDT	15	4.073	0	500	0.31	2.57E-02	5.66E-05	7.14E-06	
				19			1.91E+00	4.22E-03	5.32E-04	5.32E-04
Travel at Fueling Station	LDA	15	0.179	9	100	0.06	9.69E-02	2.13E-04	2.69E-05	
	LDT1	15	0.476	1	100	0.06	3.85E-02	8.49E-05	1.07E-05	
	LDT2	15	0.343	3	100	0.06	6.84E-02	1.51E-04	1.90E-05	
	MDT	15	0.474	3	100	0.06	9.35E-02	2.06E-04	2.60E-05	
	LHDT1	15	0.476	0	100	0.06	1.25E-02	2.76E-05	3.48E-06	
	LHDT2	15	0.355	0	100	0.06	7.68E-04	1.69E-06	2.13E-07	
	MHDT	15	1.280	0	100	0.06	3.42E-02	7.53E-05	9.50E-06	
	HHDT	15	4.073	0	100	0.06	4.13E-02	9.10E-05	1.15E-05	
				17			3.86E-01	8.51E-04	1.07E-04	1.07E-04
Total - All Buildings	LDA			915			9.38E+01	2.07E-01	2.61E-02	
	LDT1			136			3.73E+01	8.22E-02	1.04E-02	
	LDT2			336			6.63E+01	1.46E-01	1.84E-02	
	MDT			332			9.05E+01	1.99E-01	2.51E-02	
	LHDT1			87			2.40E+01	5.28E-02	6.66E-03	
	LHDT2			7			1.47E+00	3.23E-03	4.08E-04	
	MHDT			29			2.17E+01	4.77E-02	6.02E-03	
	HHDT			6			1.39E+01	3.07E-02	3.87E-03	
				1850			3.49E+02	7.69E-01	9.69E-02	9.69E-02

Non-Diesel truck Idling Emissions **Nox Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	**LHDT1**	1.832	15	42	1.91E+01	4.20E-02	5.30E-03	
	LHDT2	1.636	15	3	1.40E+00	3.08E-03	3.89E-04	
	MHDT	1.353	15	14	4.80E+00	1.06E-02	1.33E-03	
	HHDT	1.353	15	3	9.69E-01	2.13E-03	2.69E-04	
				62	2.62E+01	5.78E-02	7.29E-03	7.29E-03
Idle at Light Logistics	**LHDT1**	1.83	15	1	4.94E-01	1.09E-03	1.37E-04	
	LHDT2	1.64	15	0	3.63E-02	7.99E-05	1.01E-05	
	MHDT	1.35	15	0	6.99E-02	1.54E-04	1.94E-05	
	HHDT	1.35	15	0	1.40E-02	3.09E-05	3.90E-06	
				1	6.15E-01	1.35E-03	1.71E-04	1.71E-04
Idle at Gas Compressor	**LHDT1**	1.83	15	1	3.59E-01	7.91E-04	9.97E-05	
	LHDT2	1.64	15	0	2.64E-02	5.80E-05	7.32E-06	
	MHDT	1.35	15	0	2.23E-02	4.91E-05	6.20E-06	
	HHDT	1.35	15	0	3.44E-03	7.57E-06	9.54E-07	
				1	4.11E-01	9.06E-04	1.14E-04	1.14E-04
Idle at Fueling Station	**LHDT1**	1.832	15	0	9.71E-02	2.14E-04	2.70E-05	
	LHDT2	1.636	15	0	7.13E-03	1.57E-05	1.98E-06	
	MHDT	1.353	15	0	7.27E-02	1.60E-04	2.02E-05	
	HHDT	1.353	15	0	2.76E-02	6.08E-05	7.67E-06	
				1	2.05E-01	4.51E-04	5.68E-05	5.68E-05
TOTAL				65	2.75E+01	6.05E-02	7.63E-03	7.63E-03

World Logistics Center **2012 Phase 2**
Nox Emissions

Emission Assumptions - Peak PM Hour

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for Nox emissions
c) Emissions calculated for 2012

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr):	24
Facility operations for All Others (hr):	24

World Logistics Center

2012 **Phase 2** **Build out in 2012**

Total Peak Hour Vehicle Running Exhaust Emissions

Pollutant **Nox**

Travel to Building	**AERMOD Source ID**	**Diesel Vehicles (g/sec)**	**Non-Diesel Vehicles (g/sec)**	**Total (g/sec)**
High Cube	Phase 2	1.74E+00	9.00E-02	1.83E+00
Light Logistics	Phase 2	0.00E+00	0.00E+00	0.00E+00
Gas Compressor	Phase 2	0.00E+00	0.00E+00	0.00E+00
Fueling Station/Convenience Store	Phase 2	1.38E-03	2.98E-05	1.40E-03
Total		1.74E+00	9.00E-02	1.83E+00

Total Peak Hour Vehicle Idling Emission Sources

Pollutant **Nox**

Building	**AERMOD Source IDs**	**Diesel Vehicles Emissions (g/sec)**	**Non-Diesel Emissions (g/sec)**	**Total Emissions (g/sec)**
High Cube	Phase 2	2.26E+00	6.66E-03	2.27E+00
Light Logistics	Phase 2	0.00E+00	0.00E+00	0.00E+00
GasCompressor	Phase 2	0.00E+00	0.00E+00	0.00E+00
Fueling Station/Convenience Store	Phase 2	1.65E-02	1.37E-05	1.65E-02
Total		2.28E+00	6.67E-03	2.29E+00

Total Peak Hour Onsite Emission

Runing Exhaust	1.83E+00	
Idling Emissions	2.29E+00	
Total	4.12E+00	g/sec
Size of Area Source	4565134	m2
Area Emission Rate	**9.02E-07**	**g/m2-sec**
Weighted Release Ht (m)	4.08E+00	

World Logistics Center **2012** **Phase 2**

Vehicle Fleet Mix

	Building Size (sq-ft)	
High Cube Warehouse	20150000	
Light Logistics	0	
Compression Station	0	
Fueling Station/convenience Store	0	6 pumps
	20,150,000	

Trip Generation

	trips/pk hr (Non-PCE)	Source
High Cube Warehouse	2418	<---- PB 2012 (100512)
Light Logistics	0	
Compression Station	0	
Fueling Station/convenience Store	10	
Total	2428	

Vehicle Fleet for High Cube Warehouse

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	64.3%	53.23%	0.27%	2	825	828
LDT1		7.93%	0.11%	0	123	123
LDT2		19.54%	0.04%	0	304	304
MDT		19.30%	0.08%	0	300	300
SubTotal		100.0%		3	1552	1555
LHDT1 (2 axle truck)	6.1%	85.42%	37.31%	47	79	126
LHDT2		14.58%	69.81%	15	6	21
Subtota;		100.0%		62	85	147
MHDT (3 axle truck)	8.1%	100.0%	86.27%	169	27	196
HHDT (4+ axle truck)	21.5%	100.0%	98.96%	514	5	520
Total	100.0%			748	1670	2418

Vehicle Fleet for Light Logistics

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	76.6%	53.23%	0.27%	0	0	0
LDT1		7.93%	0.11%	0	0	0
LDT2		19.54%	0.04%	0	0	0
MDT		19.30%	0.08%	0	0	0
SubTotal		100.0%		0	0	0
LHDT1 (2 axle truck)	6.3%	85.42%	37.31%	0	0	0
LHDT2		14.58%	69.81%	0	0	0
Subtota;		100.0%		0	0	0
MHDT (3 axle truck)	4.7%	100.0%	86.27%	0	0	0
HHDT (4+ axle truck)	12.4%	100.0%	98.96%	0	0	0
Total	100.0%			0	0	0

Vehicle Fleet for Gas Compression

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	75.1%	53.23%	0.27%	0	0	0
LDT1		7.93%	0.11%	0	0	0
LDT2		19.54%	0.04%	0	0	0
MDT		19.30%	0.08%	0	0	0
SubTotal		100.0%		0	0	0
LHDT1 (2 axle truck)	12.5%	85.42%	37.31%	0	0	0
LHDT2		14.58%	69.81%	0	0	0
Subtota;		100.0%		0	0	0
MHDT (3 axle truck)	4.1%	100.0%	86.27%	0	0	0
HHDT (4+ axle truck)	8.3%	100.0%	98.96%	0	0	0
Total	100.0%			0	0	0

Vehicle Fleet for Fueling Station/Convenience Store

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	45.7%	53.23%	0.27%	0	2	2
LDT1		7.93%	0.11%	0	0	0
LDT2		19.54%	0.04%	0	1	1
MDT		19.30%	0.08%	0	1	1
SubTotal		100.0%		0	5	5
LHDT1 (2 axle truck)	2.2%	85.42%	37.31%	0	0	0
LHDT2		14.58%	69.81%	0	0	0
Subtota;		100.0%		0	0	0
MHDT (3 axle truck)	8.7%	100.0%	86.27%	1	0	1
HHDT (4+ axle truck)	43.4%	100.0%	98.96%	4	0	4
Total	100.0%			5	5	10

Vehicle Summary (High Cube + Light Logistics + Gas Compressor + Fueling Station/Convenience Store)

Vehicle Class	Pk Hr Diesel Trips	Pk Hr Non Diesel Trips	Total Pk Hr Trips
LDA	2	828	830
LDT1	0	123	124
LDT2	0	305	305
MDT	0	301	301
LHDT1	47	79	126
LHDT2	15	7	22
MHDT	170	27	197
HHDT	519	5	524
Total	753	1675	2428

Trip Generation from PB 2012 Traffic Study
Vehicle Fleet Mix taken from EMFAC2011 for the SCAQMD in **2012** and the PB 2012 Traffic Study
% Diesel taken from EMAC2011 for the SCAQMD in **2012**

World Logistics Center 2012 Phase 2 Build out in 2012
Diesel Vehicle Emissions Nox

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions Nox Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/hr)	Pk Hr Emissions (lbs/hr)	Pk Hr Average Emissions (g/sec)	Total Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	LDA	15	0.798	2	950	0.59	1.06E+00	2.33E-03	2.94E-04	
	LDT1	15	0.996	0	950	0.59	7.68E-02	1.69E-04	2.13E-05	
	LDT2	15	1.073	0	950	0.59	8.47E-02	1.86E-04	2.35E-05	
	MDT	15	0.578	0	950	0.59	8.41E-02	1.85E-04	2.34E-05	
	LHDT1	15	5.246	47	950	0.59	1.46E+02	3.21E-01	4.04E-02	
	LHDT2	15	4.952	15	950	0.59	4.39E+01	9.66E-02	1.22E-02	
	MHDT	15	10.213	169	950	0.59	1.02E+03	2.24E+00	2.83E-01	
	HHDT	15	16.658	514	950	0.59	5.06E+03	1.11E+01	1.40E+00	
				748			6.27E+03	1.38E+01	1.74E+00	1.74E+00
Travel at Light Logistics	LDA	15	0.798	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.996	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	1.073	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.578	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	5.246	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	4.952	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	10.213	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	16.658	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Gas Compressor	LDA	15	0.798	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.996	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	1.073	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.578	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	5.246	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	4.952	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	10.213	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	16.658	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
							0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Refueling Station	LDA	15	0.798	0	100	0.06	3.28E-04	7.22E-07	9.10E-08	
	LDT1	15	0.996	0	100	0.06	2.38E-05	5.23E-08	6.60E-09	
	LDT2	15	1.073	0	100	0.06	2.62E-05	5.77E-08	7.28E-09	
	MDT	15	0.578	0	100	0.06	2.60E-05	5.73E-08	7.23E-09	
	LHDT1	15	5.246	0	100	0.06	2.29E-02	5.03E-05	6.35E-06	
	LHDT2	15	4.952	0	100	0.06	6.89E-03	1.52E-05	1.91E-06	
	MHDT	15	10.213	1	100	0.06	4.76E-01	1.05E-03	1.32E-04	
	HHDT	15	16.658	4	100	0.06	4.44E+00	9.79E-03	1.23E-03	
				5			4.95E+00	1.09E-02	1.38E-03	1.38E-03
Total - All Buildings	LDA			2			1.06E+00	2.33E-03	2.94E-04	
	LDT1			0			7.68E-02	1.69E-04	2.13E-05	
	LDT2			0			8.47E-02	1.87E-04	2.35E-05	
	MDT			0			8.42E-02	1.85E-04	2.34E-05	
	LHDT1			47			1.46E+02	3.21E-01	4.04E-02	
	LHDT2			15			4.39E+01	9.66E-02	1.22E-02	
	MHDT			170			1.02E+03	2.24E+00	2.83E-01	
	HHDT			519			5.06E+03	1.11E+01	1.41E+00	
	Total			753			6.27E+03	1.38E+01	1.74E+00	1.74E+00

Diesel truck Idling Emissions **Nox Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	**LHDT1**	34.167	15	24	2.01E+02	4.42E-01	5.58E-02	
	LHDT2	32.257	15	8	6.05E+01	1.33E-01	1.68E-02	
	MHDT	82.749	15	84	1.75E+03	3.85E+00	4.85E-01	
	HHDT	95.483	15	257	6.14E+03	1.35E+01	1.71E+00	
				373	8.15E+03	1.79E+01	2.26E+00	2.26E+00
Idle at Light Logistics	**LHDT1**	34.167	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	32.257	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	82.749	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	95.483	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Gas Compressor	**LHDT1**	34.167	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	32.257	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	82.749	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	95.483	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Fueling Station	**LHDT1**	34.167	15	0	2.99E-01	6.60E-04	8.32E-05	
	LHDT2	32.257	15	0	9.03E-02	1.99E-04	2.51E-05	
	MHDT	82.749	15	0	7.76E+00	1.71E-02	2.16E-03	
	HHDT	95.483	15	2	5.13E+01	1.13E-01	1.42E-02	
				3	5.94E+01	1.31E-01	1.65E-02	1.65E-02
TOTAL				375	8.21E+03	1.81E+01	2.28E+00	2.28E+00

World Logistics Center 2012 Phase 2 Build out in 2012
Non-Diesel Vehicle Emissions Nox

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions Nox Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/day)	Pk Hr Emissions (lbs/day)	Pk Hr Emissions (g/sec)	Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	0.179	825	950	0.59	8.70E+01	1.92E-01	2.42E-02	
	LDT1	15	0.476	123	950	0.59	3.46E+01	7.62E-02	9.61E-03	
	LDT2	15	0.343	304	950	0.59	6.14E+01	1.35E-01	1.71E-02	
	MDT	15	0.474	300	950	0.59	8.40E+01	1.85E-01	2.33E-02	
	LHDT1	15	0.476	79	950	0.59	2.22E+01	4.89E-02	6.17E-03	
	LHDT2	15	0.355	6	950	0.59	1.36E+00	2.99E-03	3.77E-04	
	MHDT	15	1.280	27	950	0.59	2.03E+01	4.47E-02	5.64E-03	
	HHDT	15	4.073	5	950	0.59	1.31E+01	2.88E-02	3.63E-03	
				1670			3.24E+02	7.13E-01	9.00E-02	9.00E-02
Travel at Light Logistics	LDA	15	0.179	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.476	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.343	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.474	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.476	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.355	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	1.280	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	4.073	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Gas Compressor	LDA	15	0.179	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.476	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.343	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.474	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.476	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.355	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	1.280	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	4.073	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Fueling Station	LDA	15	0.179	2	100	0.06	2.69E-02	5.93E-05	7.47E-06	
	LDT1	15	0.476	0	100	0.06	1.07E-02	2.36E-05	2.97E-06	
	LDT2	15	0.343	1	100	0.06	1.90E-02	4.19E-05	5.28E-06	
	MDT	15	0.474	1	100	0.06	2.60E-02	5.72E-05	7.21E-06	
	LHDT1	15	0.476	0	100	0.06	3.48E-03	7.68E-06	9.68E-07	
	LHDT2	15	0.355	0	100	0.06	2.13E-04	4.70E-07	5.92E-08	
	MHDT	15	1.280	0	100	0.06	9.50E-03	2.09E-05	2.64E-06	
	HHDT	15	4.073	0	100	0.06	1.15E-02	2.53E-05	3.19E-06	
				5			1.07E-01	2.36E-04	2.98E-05	2.98E-05
Total - All Buildings	LDA			828			8.70E+01	1.92E-01	2.42E-02	
	LDT1			123			3.46E+01	7.62E-02	9.61E-03	
	LDT2			305			6.15E+01	1.35E-01	1.71E-02	
	MDT			301			8.40E+01	1.85E-01	2.33E-02	
	LHDT1			79			2.22E+01	4.89E-02	6.17E-03	
	LHDT2			7			1.36E+00	2.99E-03	3.77E-04	
	MHDT			27			2.03E+01	4.48E-02	5.65E-03	
	HHDT			5			1.31E+01	2.88E-02	3.63E-03	
				1675			3.24E+02	7.14E-01	9.00E-02	9.00E-02

Non-Diesel truck Idling Emissions **Nox Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	**LHDT1**	1.832	15	39	1.81E+01	3.98E-02	5.02E-03	
	LHDT2	1.636	15	3	1.33E+00	2.92E-03	3.69E-04	
	MHDT	1.356	15	13	4.56E+00	1.00E-02	1.27E-03	
	HHDT	0.000	15	3	0.00E+00	0.00E+00	0.00E+00	
				59	2.40E+01	5.28E-02	6.66E-03	6.66E-03
Idle at Light Logistics	**LHDT1**	1.83	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	1.64	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	1.36	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.00	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Gas Compressor	**LHDT1**	1.83	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	1.64	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	1.36	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.00	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Fueling Station	**LHDT1**	1.832	15	0	2.70E-02	5.94E-05	7.49E-06	
	LHDT2	1.636	15	0	1.98E-03	4.36E-06	5.50E-07	
	MHDT	1.356	15	0	2.02E-02	4.46E-05	5.62E-06	
	HHDT	0.000	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	4.92E-02	1.08E-04	1.37E-05	1.37E-05
TOTAL				59	2.40E+01	5.29E-02	6.67E-03	6.67E-03

World Logistics Center **2012** **Nox** Based on PB Traffic Results 10/23/2012

Project-Related Emissions **Phase 1 + Phase 2** NoR

Build out in 2012

Internal Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Total Emissions (g/sec)	Weighted Emission Ht (m)
1	6.07E-01	2.60E-02	6.33E-01	3.9E+00
2	1.25E+00	5.62E-02	1.31E+00	3.9E+00
3	8.50E-01	4.00E-02	8.90E-01	3.9E+00
4	3.42E-01	2.32E-02	3.65E-01	3.8E+00
5	4.17E-01	3.91E-02	4.56E-01	3.7E+00
6	9.60E-01	4.92E-02	1.01E+00	3.9E+00
7	9.55E-02	6.45E-03	1.02E-01	3.8E+00
8	9.66E-02	5.31E-02	1.50E-01	2.9E+00
11	5.93E-03	-1.29E-02	-7.00E-03	4.0E+00
12	3.93E-03	1.15E-03	5.07E-03	3.3E+00
14	1.58E-01	1.53E-02	1.74E-01	3.7E+00
15	1.27E-01	4.01E-03	1.31E-01	3.9E+00
18	6.85E-02	5.16E-03	7.37E-02	3.8E+00
18a	1.59E-02	1.94E-03	1.79E-02	3.7E+00
19	3.46E-01	1.55E-02	3.61E-01	3.9E+00
20	2.32E-02	7.20E-03	3.04E-02	3.3E+00
21	3.22E-01	2.46E-02	3.46E-01	3.8E+00
22	3.43E-01	3.17E-02	3.75E-01	3.7E+00
23	1.53E-01	1.01E-02	1.63E-01	3.8E+00
24	2.11E-01	3.44E-02	2.46E-01	3.6E+00
25	1.06E-01	8.14E-03	1.14E-01	3.8E+00
26	1.27E-01	7.35E-03	1.34E-01	3.8E+00
27	7.96E-02	4.73E-03	8.43E-02	3.8E+00
28	1.93E-01	1.23E-02	2.05E-01	3.8E+00
29	1.40E-01	1.27E-03	1.41E-01	4.0E+00
30	5.77E-01	7.83E-03	5.85E-01	4.0E+00
31	7.36E-02	3.26E-03	7.69E-02	3.9E+00
			8.17E+00	

World Logistics Center 2012
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011 @ All Speeds

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	18,564,554
LDT1-GAS	2,769,045
LDT2-GAS	6,829,871
MDT-GAS	6,745,581
LHDT1-GAS	1,119,068
LHDT2-GAS	91,973
MHDT-GAS	65,362
HHDT-GAS	15,407
Subtotal	36200862
DSL Vehicle Class	
LDA-DSL	50,577
LDT1-DSL	2,938
LDT2-DSL	3,006
MDT-DSL	5,552
LHDT1-DSL	666,116
LHDT2-DSL	212,631
MHDT-DSL	410,652
HHDT-DSL	1,459,287
Subtotal	2810761
Grand Total	39011623

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	18564554	50577	18615131	53.23%	99.7%	0.27%
LDT1	Pass Car	2769045	2938	2771983	7.93%	99.9%	0.11%
LDT2	Pass Car	6829871	3006	6832877	19.54%	100.0%	0.04%
MDT	Pass Car	6745581	5552	6751134	19.30%	99.9%	0.08%
Subtotal		34909052	62074	34971125	100.00%	99.8%	0.18%
LHDT1	Light Heavy Truck	1119068	666116	1785184	85.42%	62.7%	37.31%
LHDT2	Light Heavy Truck	91973	212631	304605	14.58%	30.2%	69.81%
Subtotal		1211042	878747	2089789			
MHDT	Medium Heavy Truck	65362	410652	476014	100%	13.7%	86.27%
HHDT	Heavy Heavy Truck	15407	1459287	1474694	100%	1.0%	98.96%

World Logistics Center **2012** **Nox** **Phase 1 + Phase 2** **Build out in 2012**

Project-Related Emissions
Internal Roadway Circulation

Project Operations: 1 hours/day

Vehicle Fleet Trips - Diesel (% Vehicle Class)

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.14%	0.01%	0.01%	0.02%	31.87%	10.17%	86.27%	98.96%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2_DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)
1	2762.62712	1,637	86	260	780	327	0.203	2	0	0	0	27	9	224	772	1035
2	3139.91525	1,865	144	274	856	614	0.381	3	0	0	0	46	15	237	847	1148
3	1148.22034	694	55	99	300	1181	0.734	1	0	0	0	18	6	86	297	407
4	741.016949	405	113	121	102	934	0.580	1	0	0	0	36	12	104	101	253
5	1066.61017	697	125	143	102	1060	0.658	1	0	0	0	40	13	123	101	278
6	1408.22034	889	58	120	342	1163	0.722	1	0	0	0	18	6	103	338	468
7	381.271186	266	15	29	72	535	0.332	0	0	0	0	5	2	25	71	103
8	1250.33898	1,141	43	67	0	1143	0.710	2	0	0	0	14	4	57	0	77
11	-289.49153	-296	2	4	0	1201	0.746	0	0	0	0	1	0	3	0	4
12	37.2881356	31	3	4	0	824	0.512	0	0	0	0	1	0	3	0	4
14	519.491525	410	14	19	77	897	0.557	1	0	0	0	5	1	16	76	99
15	197.20339	64	46	16	71	734	0.456	0	0	0	0	15	5	14	71	104
18	204.661017	144	12	15	34	780	0.485	0	0	0	0	4	1	13	34	52
18a	87.3728814	70	3	6	9	648	0.403	0	0	0	0	1	0	5	9	15
19	396.355932	238	16	34	108	1347	0.837	0	0	0	0	5	2	29	107	144
20	185	164	6	11	4	1067	0.663	0	0	0	0	2	1	9	4	16
21	1145.16949	823	42	93	187	664	0.412	1	0	0	0	13	4	80	185	284
22	1362.20339	1,035	46	93	188	704	0.437	1	0	0	0	15	5	80	186	288
23	714.152542	495	26	56	137	448	0.278	1	0	0	0	8	3	48	136	196
24	682.20339	576	18	37	51	1443	0.896	1	0	0	0	6	2	32	50	91
25	954.661017	698	29	67	161	265	0.165	1	0	0	0	9	3	58	159	230
26	573.474576	382	21	45	125	417	0.259	1	0	0	0	7	2	39	124	172
27	440.932203	294	18	36	93	347	0.216	0	0	0	0	6	2	31	92	131
28	269.322034	185	10	21	54	1459	0.906	0	0	0	0	3	1	18	53	76
29	147.288136	4	7	29	108	564	0.350	0	0	0	0	2	1	25	107	135
30	188.135593	31	10	34	114	2174	1.351	0	0	0	0	3	1	29	113	146
31	66.5254237	30	3	23	11	1563	0.971	0	0	0	0	1	0	20	11	32

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors (g/mi)

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.5896	0.7317	0.7877	0.4326	4.1632	3.9305	7.2190	11.6396
2	0.7366	0.9213	0.9935	0.5303	4.0131	3.7888	6.1288	9.3907
3	0.6171	0.7676	0.8268	0.4502	3.8062	3.5934	6.5122	10.2127
4	1.0106	1.2739	1.3761	0.7139	4.8667	4.5946	6.0687	9.1736

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	Total (g/sec)
1	1	7.88E-05	5.68E-06	6.26E-06	6.35E-06	6.41E-03	1.93E-03	9.13E-02	5.07E-01	6.07E-01
2	1	1.68E-04	1.21E-05	1.34E-05	1.36E-05	2.03E-02	6.12E-03	1.81E-01	1.04E+00	1.25E+00
3	1	1.21E-04	8.69E-06	9.57E-06	9.71E-06	1.49E-02	4.48E-03	1.26E-01	7.04E-01	8.50E-01
4	1	5.57E-05	4.02E-06	4.42E-06	4.49E-06	2.42E-02	7.30E-03	1.21E-01	1.89E-01	3.42E-01
5	1	1.09E-04	7.83E-06	8.63E-06	8.75E-06	3.04E-02	9.16E-03	1.63E-01	2.15E-01	4.17E-01
6	1	1.52E-04	1.10E-05	1.21E-05	1.23E-05	1.53E-02	4.62E-03	1.50E-01	7.90E-01	9.60E-01
7	1	2.09E-05	1.51E-06	1.66E-06	1.68E-06	1.83E-03	5.51E-04	1.67E-02	7.64E-02	9.55E-02
8	1	1.92E-04	1.38E-05	1.52E-05	1.55E-05	1.12E-02	3.39E-03	8.17E-02	0.00E+00	9.66E-02
11	1	-5.23E-05	-3.77E-06	-4.15E-06	-4.21E-06	6.53E-04	1.97E-04	5.14E-03	0.00E+00	5.93E-03
12	1	3.71E-06	2.67E-07	2.95E-07	2.99E-07	5.92E-04	1.78E-04	3.15E-03	0.00E+00	3.93E-03
14	1	5.41E-05	3.90E-06	4.30E-06	4.36E-06	2.91E-03	8.76E-04	1.80E-02	1.37E-01	1.58E-01
15	1	6.90E-06	4.98E-07	5.48E-07	5.56E-07	7.69E-03	2.32E-03	1.28E-02	1.04E-01	1.27E-01
18	1	1.65E-05	1.19E-06	1.31E-06	1.33E-06	2.07E-03	6.25E-04	1.27E-02	5.31E-02	6.85E-02
18a	1	6.64E-06	4.79E-07	5.27E-07	5.35E-07	4.65E-04	1.40E-04	4.07E-03	1.12E-02	1.59E-02
19	1	4.73E-05	3.41E-06	3.75E-06	3.81E-06	4.78E-03	1.44E-03	4.91E-02	2.90E-01	3.46E-01
20	1	2.57E-05	1.86E-06	2.04E-06	2.07E-06	1.47E-03	4.43E-04	1.24E-02	8.81E-03	2.32E-02
21	1	8.04E-05	5.80E-06	6.38E-06	6.48E-06	6.42E-03	1.93E-03	6.63E-02	2.47E-01	3.22E-01
22	1	1.07E-04	7.73E-06	8.51E-06	8.64E-06	7.45E-03	2.24E-03	7.03E-02	2.63E-01	3.43E-01
23	1	3.26E-05	2.35E-06	2.59E-06	2.63E-06	2.69E-03	8.10E-04	2.71E-02	1.22E-01	1.53E-01
24	1	1.22E-04	8.81E-06	9.71E-06	9.85E-06	6.10E-03	1.84E-03	5.74E-02	1.46E-01	2.11E-01
25	1	2.72E-05	1.96E-06	2.16E-06	2.19E-06	1.74E-03	5.25E-04	1.90E-02	8.48E-02	1.06E-01
26	1	2.34E-05	1.69E-06	1.86E-06	1.89E-06	2.03E-03	6.12E-04	2.02E-02	1.04E-01	1.27E-01
27	1	1.50E-05	1.08E-06	1.19E-06	1.21E-06	1.44E-03	4.34E-04	1.33E-02	6.44E-02	7.96E-02
28	1	3.97E-05	2.86E-06	3.15E-06	3.20E-06	3.26E-03	9.81E-04	3.27E-02	1.56E-01	1.93E-01
29	1	3.02E-07	2.18E-08	2.40E-08	2.44E-08	8.65E-04	2.61E-04	1.74E-02	1.21E-01	1.40E-01
30	1	9.90E-06	7.13E-07	7.86E-07	7.97E-07	4.81E-03	1.45E-03	7.84E-02	4.93E-01	5.77E-01
31	1	6.82E-06	4.92E-07	5.42E-07	5.49E-07	1.15E-03	3.47E-04	3.81E-02	3.40E-02	7.36E-02

World Logistics Center **2012** **Nox** **Phase 1 + Phase 2** **Build out in 2012**

Project-Related Emissions
Internal Roadway Circulation

Project Operations: 1 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
53.09%	7.92%	19.53%	19.29%	53.55%	4.40%	13.73%	1.04%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2 GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	2762.62712	1,637	86	260	780	327	0.203	869	130	320	316	46	4	36	8	1728
2	3139.91525	1,865	144	274	856	614	0.381	990	148	364	360	77	6	38	9	1992
3	1148.22034	694	55	99	300	1181	0.734	368	55	136	134	29	2	14	3	741
4	741.016949	405	113	121	102	934	0.580	215	32	79	78	61	5	17	1	488
5	1066.61017	697	125	143	102	1060	0.658	370	55	136	134	67	6	20	1	789
6	1408.22034	889	58	120	342	1163	0.722	472	70	174	171	31	3	16	4	941
7	381.271186	266	15	29	72	535	0.332	141	21	52	51	8	1	4	1	278
8	1250.33898	1,141	43	67	0	1143	0.710	606	90	223	220	23	2	9	0	1173
11	-289.49153	-296	2	4	0	1201	0.746	-157	-23	-58	-57	1	0	1	0	-293
12	37.2881356	31	3	4	0	824	0.512	16	2	6	6	2	0	0	0	33
14	519.491525	410	14	19	77	897	0.557	218	32	80	79	8	1	3	1	421
15	197.20339	64	46	16	71	734	0.456	34	5	12	12	25	2	2	1	93
18	204.661017	144	12	15	34	780	0.485	76	11	28	28	6	1	2	0	153
18a	87.3728814	70	3	6	9	648	0.403	37	6	14	13	2	0	1	0	72
19	396.355932	238	16	34	108	1347	0.837	127	19	47	46	8	1	5	1	253
20	185	164	6	11	4	1067	0.663	87	13	32	32	3	0	1	0	169
21	1145.16949	823	42	93	187	664	0.412	437	65	161	159	23	2	13	2	861
22	1362.20339	1,035	46	93	188	704	0.437	549	82	202	200	25	2	13	2	1075
23	714.152542	495	26	56	137	448	0.278	263	39	97	95	14	1	8	1	518
24	682.20339	576	18	37	51	1443	0.896	306	46	112	111	10	1	5	1	591
25	954.661017	698	29	67	161	265	0.165	371	55	136	135	15	1	9	2	724
26	573.474576	382	21	45	125	417	0.259	203	30	75	74	11	1	6	1	401
27	440.932203	294	18	36	93	347	0.216	156	23	57	57	10	1	5	1	310
28	269.322034	185	10	21	54	1459	0.906	98	15	36	36	5	0	3	1	194
29	147.288136	4	7	29	108	564	0.350	2	0	1	1	4	0	4	1	13
30	188.135593	31	10	34	114	2174	1.351	16	2	6	6	5	0	5	1	42
31	66.5254237	30	3	23	11	1563	0.971	16	2	6	6	2	0	3	0	35
	19780.1695															

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	0.1371	0.3502	0.2506	0.3418	0.4360	0.3893	1.4039	4.4671
2	0.1339	0.3532	0.2418	0.3302	0.5113	0.4876	1.7610	5.6035
3	0.1323	0.3403	0.2389	0.3254	0.4730	0.4223	1.5226	4.8450
4	0.1485	0.4121	0.2723	0.3750	0.5461	0.4876	1.7610	5.6035

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	6.72E-03	2.56E-03	4.52E-03	6.09E-03	1.13E-03	8.28E-05	2.83E-03	2.05E-03	2.60E-02
2	1	1.44E-02	5.48E-03	9.67E-03	1.30E-02	3.57E-03	2.62E-04	5.60E-03	4.23E-03	5.62E-02
3	1	1.03E-02	3.92E-03	6.92E-03	9.32E-03	2.62E-03	1.92E-04	3.91E-03	2.85E-03	4.00E-02
4	1	4.75E-03	1.81E-03	3.20E-03	4.31E-03	4.26E-03	3.13E-04	3.74E-03	7.66E-04	2.32E-02
5	1	9.27E-03	3.53E-03	6.23E-03	8.40E-03	5.35E-03	3.92E-04	5.04E-03	8.70E-04	3.91E-02
6	1	1.30E-02	4.95E-03	8.73E-03	1.18E-02	2.70E-03	1.98E-04	4.64E-03	3.20E-03	4.92E-02
7	1	1.78E-03	6.80E-04	1.20E-03	1.62E-03	3.21E-04	2.36E-05	5.16E-04	3.10E-04	6.45E-03
8	1	1.64E-02	6.24E-03	1.10E-02	1.48E-02	1.98E-03	1.45E-04	2.53E-03	0.00E+00	5.31E-02
11	1	-4.46E-03	-1.70E-03	-3.00E-03	-4.04E-03	1.15E-04	8.43E-06	1.59E-04	0.00E+00	-1.29E-02
12	1	3.17E-04	1.21E-04	2.13E-04	2.87E-04	1.04E-04	7.64E-06	9.76E-05	0.00E+00	1.15E-03
14	1	4.62E-03	1.76E-03	3.11E-03	4.19E-03	5.11E-04	3.75E-05	5.56E-04	5.53E-04	1.53E-02
15	1	5.89E-04	2.24E-04	3.96E-04	5.34E-04	1.35E-03	9.93E-05	3.97E-04	4.21E-04	4.01E-03
18	1	1.41E-03	5.36E-04	9.46E-04	1.27E-03	3.65E-04	2.68E-05	3.94E-04	2.15E-04	5.16E-03
18a	1	5.67E-04	2.16E-04	3.81E-04	5.14E-04	8.19E-05	6.01E-06	1.26E-04	4.56E-05	1.94E-03
19	1	4.03E-03	1.54E-03	2.71E-03	3.65E-03	8.42E-04	6.18E-05	1.52E-03	1.18E-03	1.55E-02
20	1	2.20E-03	8.37E-04	1.48E-03	1.99E-03	2.59E-04	1.90E-05	3.85E-04	3.57E-05	7.20E-03
21	1	6.86E-03	2.61E-03	4.61E-03	6.22E-03	1.13E-03	8.29E-05	2.05E-03	1.00E-03	2.46E-02
22	1	9.15E-03	3.49E-03	6.15E-03	8.29E-03	1.31E-03	9.61E-05	2.18E-03	1.07E-03	3.17E-02
23	1	2.78E-03	1.06E-03	1.87E-03	2.52E-03	4.73E-04	3.47E-05	8.37E-04	4.94E-04	1.01E-02
24	1	1.04E-02	3.98E-03	7.02E-03	9.45E-03	1.07E-03	7.88E-05	1.78E-03	5.91E-04	3.44E-02
25	1	2.32E-03	8.85E-04	1.56E-03	2.11E-03	3.07E-04	2.25E-05	5.89E-04	3.43E-04	8.14E-03
26	1	2.00E-03	7.62E-04	1.35E-03	1.81E-03	3.57E-04	2.62E-05	6.24E-04	4.20E-04	7.35E-03
27	1	1.28E-03	4.88E-04	8.61E-04	1.16E-03	2.54E-04	1.86E-05	4.11E-04	2.61E-04	4.73E-03
28	1	3.39E-03	1.29E-03	2.28E-03	3.07E-03	5.73E-04	4.20E-05	1.01E-03	6.31E-04	1.23E-02
29	1	2.58E-05	9.83E-06	1.74E-05	2.34E-05	1.52E-04	1.12E-05	5.37E-04	4.92E-04	1.27E-03
30	1	8.44E-04	3.22E-04	5.68E-04	7.65E-04	8.46E-04	6.21E-05	2.43E-03	2.00E-03	7.83E-03
31	1	5.82E-04	2.22E-04	3.92E-04	5.27E-04	2.03E-04	1.49E-05	1.18E-03	1.38E-04	3.26E-03

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 8.0.7
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 12/2/2012
** FILE: C:\MBA\HIGHLAND FAIRVIEW REV3 - ALL SOURCES\AERMOD-2012\AERMOD_LST_NOX_2012_NR\AERMOD_LST_NOX_2012_NR.ADI
**
****************************************
**
**
****************************************
** AERMOD CONTROL PATHWAY
****************************************
**
**
CO STARTING
   TITLEONE WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)
   TITLETWO NO2 - LST ASSESSMENT (NO REFRIGERATION)
   MODELOPT CONC  FASTALL OLM
   AVERTIME 1 ANNUAL
   URBANOPT 2000000
   POLLUTID NO2
   RUNORNOT RUN
** NO2 CONVERSION OPTIONS
   NO2STACK 0.1
   NO2EQUIL 0.9
   OZONEFIL C:\MBA\MORENOHIGHLAND\O3RIVR0507.DAT PPB
   ERRORFIL dat98EA.tmp
CO FINISHED
**
****************************************
** AERMOD SOURCE PATHWAY
****************************************
**
**
SO STARTING
** SOURCE LOCATION **
** SOURCE ID - TYPE - X COORD. - Y COORD. **
   LOCATION PHASE1       AREAPOLY   485577.456  3755020.364      527.630
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT01
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 32.92
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.637
** ELEVATED
** VERTICAL DIMENSION = 3.40
** SZINIT = 0.79
** NODES = 2
** 487123.57, 3755422.68, 541.00, 3.40, 27.35
** 487123.57, 3755095.72, 532.00, 3.40, 27.35
** ---------------------------------------------------------------------
   LOCATION L0112172     VOLUME   487123.570 3755406.219 539.96
   LOCATION L0112173     VOLUME   487123.570 3755347.411 542.85
   LOCATION L0112174     VOLUME   487123.570 3755288.602 541.77
   LOCATION L0112175     VOLUME   487123.570 3755229.793 539.11
   LOCATION L0112176     VOLUME   487123.570 3755170.984 535.08
   LOCATION L0112177     VOLUME   487123.570 3755112.176 532.22
** END OF LINE VOLUME SOURCE ID = SEGMENT01
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT02
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 32.92
** CONFIGURATION = SEPARATED
** EMISSION RATE = 1.31
** ELEVATED
** VERTICAL DIMENSION = 3.40
** SZINIT = 0.79
** NODES = 2
** 487126.15, 3755058.81, 532.00, 3.40, 30.03
** 487128.77, 3754444.85, 508.00, 3.40, 30.03
** ---------------------------------------------------------------------
   LOCATION L0112178     VOLUME   487126.220 3755042.351 529.66
   LOCATION L0112179     VOLUME   487126.496 3754977.791 531.78
   LOCATION L0112180     VOLUME   487126.772 3754913.230 524.89
   LOCATION L0112181     VOLUME   487127.048 3754848.670 523.19
   LOCATION L0112182     VOLUME   487127.324 3754784.110 524.09
   LOCATION L0112183     VOLUME   487127.600 3754719.550 520.92
   LOCATION L0112184     VOLUME   487127.876 3754654.990 516.31
   LOCATION L0112185     VOLUME   487128.151 3754590.429 514.39
   LOCATION L0112186     VOLUME   487128.427 3754525.869 509.08
   LOCATION L0112187     VOLUME   487128.703 3754461.309 506.75
** END OF LINE VOLUME SOURCE ID = SEGMENT02
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT03
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.89
** ELEVATED
** VERTICAL DIMENSION = 3.40
** SZINIT = 0.79
** NODES = 4
** 487123.53, 3754444.85, 511.00, 3.40, 18.01
** 486186.84, 3754452.72, 516.00, 3.40, 18.01
** 486042.53, 3754366.14, 509.00, 3.40, 18.01
** 486008.42, 3754297.92, 511.00, 3.40, 18.01
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   LOCATION L0112188     VOLUME   487113.771 3754444.931 507.75
   LOCATION L0112189     VOLUME   487075.047 3754445.256 511.34
   LOCATION L0112190     VOLUME   487036.323 3754445.582 512.10
   LOCATION L0112191     VOLUME   486997.599 3754445.907 512.15
   LOCATION L0112192     VOLUME   486958.875 3754446.233 513.24
   LOCATION L0112193     VOLUME   486920.150 3754446.558 514.00
   LOCATION L0112194     VOLUME   486881.426 3754446.884 514.76
   LOCATION L0112195     VOLUME   486842.702 3754447.209 515.93
   LOCATION L0112196     VOLUME   486803.978 3754447.534 515.40
   LOCATION L0112197     VOLUME   486765.253 3754447.860 516.13
   LOCATION L0112198     VOLUME   486726.529 3754448.185 515.70
   LOCATION L0112199     VOLUME   486687.805 3754448.511 514.26
   LOCATION L0112200     VOLUME   486649.081 3754448.836 514.26
   LOCATION L0112201     VOLUME   486610.357 3754449.161 514.89
   LOCATION L0112202     VOLUME   486571.632 3754449.487 515.30
   LOCATION L0112203     VOLUME   486532.908 3754449.812 514.65
   LOCATION L0112204     VOLUME   486494.184 3754450.138 515.02
   LOCATION L0112205     VOLUME   486455.460 3754450.463 514.53
   LOCATION L0112206     VOLUME   486416.735 3754450.788 513.36
   LOCATION L0112207     VOLUME   486378.011 3754451.114 513.37
   LOCATION L0112208     VOLUME   486339.287 3754451.439 514.07
   LOCATION L0112209     VOLUME   486300.563 3754451.765 514.99
   LOCATION L0112210     VOLUME   486261.839 3754452.090 516.27
   LOCATION L0112211     VOLUME   486223.114 3754452.416 516.77
   LOCATION L0112212     VOLUME   486184.739 3754451.459 514.93
   LOCATION L0112213     VOLUME   486151.532 3754431.535 512.54
   LOCATION L0112214     VOLUME   486118.325 3754411.611 510.16
   LOCATION L0112215     VOLUME   486085.119 3754391.687 509.33
   LOCATION L0112216     VOLUME   486051.912 3754371.763 509.00
   LOCATION L0112217     VOLUME   486030.106 3754341.280 509.29
   LOCATION L0112218     VOLUME   486012.788 3754306.643 509.94
** END OF LINE VOLUME SOURCE ID = SEGMENT03
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT04
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.365
** ELEVATED
** VERTICAL DIMENSION = 2.20
** SZINIT = 0.51
** NODES = 3
** 486005.80, 3754303.17, 511.00, 2.20, 17.72
** 485997.93, 3753510.79, 496.00, 2.20, 17.72
** 486071.40, 3753390.09, 494.00, 2.20, 17.72
** ----------------------------------------------------------------------
   LOCATION L0112219     VOLUME   486005.704 3754293.411 510.63
   LOCATION L0112220     VOLUME   486005.326 3754255.321 509.54
   LOCATION L0112221     VOLUME   486004.948 3754217.231 507.64
   LOCATION L0112222     VOLUME   486004.569 3754179.142 507.85
   LOCATION L0112223     VOLUME   486004.191 3754141.052 508.00
   LOCATION L0112224     VOLUME   486003.812 3754102.962 506.84
   LOCATION L0112225     VOLUME   486003.434 3754064.872 506.32
   LOCATION L0112226     VOLUME   486003.056 3754026.782 505.20
   LOCATION L0112227     VOLUME   486002.677 3753988.692 504.96
   LOCATION L0112228     VOLUME   486002.299 3753950.603 504.05
   LOCATION L0112229     VOLUME   486001.921 3753912.513 503.42
   LOCATION L0112230     VOLUME   486001.542 3753874.423 502.15
   LOCATION L0112231     VOLUME   486001.164 3753836.333 500.88
   LOCATION L0112232     VOLUME   486000.785 3753798.243 499.60
   LOCATION L0112233     VOLUME   486000.407 3753760.153 499.65
   LOCATION L0112234     VOLUME   486000.029 3753722.064 501.86
   LOCATION L0112235     VOLUME   485999.650 3753683.974 501.59
   LOCATION L0112236     VOLUME   485999.272 3753645.884 499.01
   LOCATION L0112237     VOLUME   485998.894 3753607.794 496.47
   LOCATION L0112238     VOLUME   485998.515 3753569.704 495.96
   LOCATION L0112239     VOLUME   485998.137 3753531.614 496.53
   LOCATION L0112240     VOLUME   486006.906 3753496.041 495.32
   LOCATION L0112241     VOLUME   486026.712 3753463.503 492.84
   LOCATION L0112242     VOLUME   486046.518 3753430.965 491.43
   LOCATION L0112243     VOLUME   486066.323 3753398.427 492.30
** END OF LINE VOLUME SOURCE ID = SEGMENT04
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT05
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.456
** ELEVATED
** VERTICAL DIMENSION = 2.10
** SZINIT = 0.49
** NODES = 4
** 486071.40, 3753390.09, 494.00, 2.10, 24.05
** 486147.48, 3753361.23, 495.00, 2.10, 24.05
** 486743.08, 3753353.36, 496.00, 2.10, 24.05
** 487118.28, 3753274.65, 490.00, 2.10, 24.05
** ----------------------------------------------------------------------
   LOCATION L0112244     VOLUME   486083.649 3753385.447 493.58
   LOCATION L0112245     VOLUME   486131.996 3753367.108 494.67
   LOCATION L0112246     VOLUME   486182.626 3753360.769 493.89
   LOCATION L0112247     VOLUME   486234.330 3753360.085 492.19
   LOCATION L0112248     VOLUME   486286.035 3753359.402 493.50
   LOCATION L0112249     VOLUME   486337.740 3753358.719 493.96
   LOCATION L0112250     VOLUME   486389.444 3753358.035 493.93
   LOCATION L0112251     VOLUME   486441.149 3753357.352 497.53
   LOCATION L0112252     VOLUME   486492.853 3753356.669 495.62
   LOCATION L0112253     VOLUME   486544.558 3753355.985 494.85
   LOCATION L0112254     VOLUME   486596.263 3753355.302 494.14
   LOCATION L0112255     VOLUME   486647.967 3753354.619 495.00
   LOCATION L0112256     VOLUME   486699.672 3753353.936 494.60
   LOCATION L0112257     VOLUME   486751.201 3753351.658 494.71
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   LOCATION L0112258     VOLUME   486801.808 3753341.041 492.74
   LOCATION L0112259     VOLUME   486852.415 3753330.424 491.02
   LOCATION L0112260     VOLUME   486903.023 3753319.807 491.73
   LOCATION L0112261     VOLUME   486953.630 3753309.190 491.37
   LOCATION L0112262     VOLUME   487004.238 3753298.573 491.98
   LOCATION L0112263     VOLUME   487054.845 3753287.956 490.84
   LOCATION L0112264     VOLUME   487105.453 3753277.340 489.15
** END OF LINE VOLUME SOURCE ID = SEGMENT05
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT06
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 32.92
** CONFIGURATION = SEPARATED
** EMISSION RATE = 1.01
** ELEVATED
** VERTICAL DIMENSION = 3.30
** SZINIT = 0.77
** NODES = 2
** 487123.53, 3754450.10, 512.00, 3.30, 29.19
** 487105.16, 3753287.77, 490.00, 3.30, 29.19
** ---------------------------------------------------------------------
   LOCATION L0112265     VOLUME   487123.266 3754433.639 507.42
   LOCATION L0112266     VOLUME   487122.275 3754370.893 509.59
   LOCATION L0112267     VOLUME   487121.283 3754308.148 508.25
   LOCATION L0112268     VOLUME   487120.292 3754245.403 509.81
   LOCATION L0112269     VOLUME   487119.300 3754182.658 507.25
   LOCATION L0112270     VOLUME   487118.309 3754119.913 505.05
   LOCATION L0112271     VOLUME   487117.317 3754057.168 504.76
   LOCATION L0112272     VOLUME   487116.326 3753994.422 501.94
   LOCATION L0112273     VOLUME   487115.334 3753931.677 501.00
   LOCATION L0112274     VOLUME   487114.343 3753868.932 500.96
   LOCATION L0112275     VOLUME   487113.351 3753806.187 496.87
   LOCATION L0112276     VOLUME   487112.360 3753743.442 499.16
   LOCATION L0112277     VOLUME   487111.369 3753680.697 498.68
   LOCATION L0112278     VOLUME   487110.377 3753617.951 497.59
   LOCATION L0112279     VOLUME   487109.386 3753555.206 495.99
   LOCATION L0112280     VOLUME   487108.394 3753492.461 495.96
   LOCATION L0112281     VOLUME   487107.403 3753429.716 494.65
   LOCATION L0112282     VOLUME   487106.411 3753366.971 489.26
   LOCATION L0112283     VOLUME   487105.420 3753304.226 489.13
** END OF LINE VOLUME SOURCE ID = SEGMENT06
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT07
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 32.92
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.102
** ELEVATED
** VERTICAL DIMENSION = 3.20
** SZINIT = 0.74
** NODES = 2
** 487102.54, 3753300.89, 489.00, 3.20, 29.21
** 487105.16, 3752765.64, 483.00, 3.20, 29.21
** ---------------------------------------------------------------------
   LOCATION L0112284     VOLUME   487102.617 3753284.427 489.25
   LOCATION L0112285     VOLUME   487102.924 3753221.636 489.56
   LOCATION L0112286     VOLUME   487103.232 3753158.844 486.75
   LOCATION L0112287     VOLUME   487103.540 3753096.053 485.78
   LOCATION L0112288     VOLUME   487103.848 3753033.262 484.98
   LOCATION L0112289     VOLUME   487104.156 3752970.471 486.98
   LOCATION L0112290     VOLUME   487104.463 3752907.680 484.85
   LOCATION L0112291     VOLUME   487104.771 3752844.889 483.17
   LOCATION L0112292     VOLUME   487105.079 3752782.098 483.74
** END OF LINE VOLUME SOURCE ID = SEGMENT07
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT08
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.15
** ELEVATED
** VERTICAL DIMENSION = 2.00
** SZINIT = 0.47
** NODES = 3
** 486074.02, 3753392.72, 494.00, 2.00, 18.01
** 485979.56, 3753190.69, 490.00, 2.00, 18.01
** 485959.38, 3752271.31, 509.00, 2.00, 18.01
** ---------------------------------------------------------------------
   LOCATION L0112293     VOLUME   486069.888 3753383.881 492.66
   LOCATION L0112294     VOLUME   486053.485 3753348.798 491.27
   LOCATION L0112295     VOLUME   486037.083 3753313.715 490.52
   LOCATION L0112296     VOLUME   486020.680 3753278.632 490.29
   LOCATION L0112297     VOLUME   486004.278 3753243.549 490.00
   LOCATION L0112298     VOLUME   485987.875 3753208.466 489.60
   LOCATION L0112299     VOLUME   485979.144 3753171.590 489.02
   LOCATION L0112300     VOLUME   485978.294 3753132.871 488.12
   LOCATION L0112301     VOLUME   485977.445 3753094.153 488.21
   LOCATION L0112302     VOLUME   485976.595 3753055.434 489.37
   LOCATION L0112303     VOLUME   485975.745 3753016.715 490.11
   LOCATION L0112304     VOLUME   485974.895 3752977.997 490.00
   LOCATION L0112305     VOLUME   485974.045 3752939.278 489.00
   LOCATION L0112306     VOLUME   485973.195 3752900.559 489.00
   LOCATION L0112307     VOLUME   485972.345 3752861.841 489.00
   LOCATION L0112308     VOLUME   485971.495 3752823.122 489.00
   LOCATION L0112309     VOLUME   485970.646 3752784.403 488.77
   LOCATION L0112310     VOLUME   485969.796 3752745.684 487.04
   LOCATION L0112311     VOLUME   485968.946 3752706.966 485.22
   LOCATION L0112312     VOLUME   485968.096 3752668.247 486.17
   LOCATION L0112313     VOLUME   485967.246 3752629.528 488.82
   LOCATION L0112314     VOLUME   485966.396 3752590.810 490.12
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   LOCATION L0112315     VOLUME   485965.546 3752552.091 495.23
   LOCATION L0112316     VOLUME   485964.696 3752513.372 496.37
   LOCATION L0112317     VOLUME   485963.846 3752474.654 496.10
   LOCATION L0112318     VOLUME   485962.997 3752435.935 496.42
   LOCATION L0112319     VOLUME   485962.147 3752397.216 498.83
   LOCATION L0112320     VOLUME   485961.297 3752358.498 500.09
   LOCATION L0112321     VOLUME   485960.447 3752319.779 500.68
   LOCATION L0112322     VOLUME   485959.597 3752281.060 501.95
** END OF LINE VOLUME SOURCE ID = SEGMENT08
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT11
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0
** ELEVATED
** VERTICAL DIMENSION = 4.00
** SZINIT = 0.93
** NODES = 2
** 485510.85, 3754275.79, 515.00, 4.00, 15.74
** 485509.55, 3753074.46, 494.00, 4.00, 15.74
** ---------------------------------------------------------------------
   LOCATION L0110325     VOLUME   485510.839 3754267.258 514.24
   LOCATION L0110326     VOLUME   485510.802 3754233.422 512.23
   LOCATION L0110327     VOLUME   485510.765 3754199.586 512.08
   LOCATION L0110328     VOLUME   485510.729 3754165.750 512.69
   LOCATION L0110329     VOLUME   485510.692 3754131.914 512.23
   LOCATION L0110330     VOLUME   485510.655 3754098.078 510.48
   LOCATION L0110331     VOLUME   485510.619 3754064.242 508.44
   LOCATION L0110332     VOLUME   485510.582 3754030.406 506.46
   LOCATION L0110333     VOLUME   485510.545 3753996.570 505.47
   LOCATION L0110334     VOLUME   485510.509 3753962.734 505.32
   LOCATION L0110335     VOLUME   485510.472 3753928.898 504.26
   LOCATION L0110336     VOLUME   485510.436 3753895.062 502.47
   LOCATION L0110337     VOLUME   485510.399 3753861.226 501.84
   LOCATION L0110338     VOLUME   485510.362 3753827.390 501.90
   LOCATION L0110339     VOLUME   485510.326 3753793.554 502.24
   LOCATION L0110340     VOLUME   485510.289 3753759.718 504.35
   LOCATION L0110341     VOLUME   485510.252 3753725.882 505.00
   LOCATION L0110342     VOLUME   485510.216 3753692.046 505.00
   LOCATION L0110343     VOLUME   485510.179 3753658.210 502.55
   LOCATION L0110344     VOLUME   485510.142 3753624.374 500.42
   LOCATION L0110345     VOLUME   485510.106 3753590.538 499.43
   LOCATION L0110346     VOLUME   485510.069 3753556.702 499.96
   LOCATION L0110347     VOLUME   485510.032 3753522.866 499.76
   LOCATION L0110348     VOLUME   485509.996 3753489.030 498.40
   LOCATION L0110349     VOLUME   485509.959 3753455.194 498.00
   LOCATION L0110350     VOLUME   485509.922 3753421.357 498.00
   LOCATION L0110351     VOLUME   485509.886 3753387.521 497.31
   LOCATION L0110352     VOLUME   485509.849 3753353.685 496.79
   LOCATION L0110353     VOLUME   485509.812 3753319.849 495.55
   LOCATION L0110354     VOLUME   485509.776 3753286.013 494.19
   LOCATION L0110355     VOLUME   485509.739 3753252.177 493.86
   LOCATION L0110356     VOLUME   485509.702 3753218.341 494.72
   LOCATION L0110357     VOLUME   485509.666 3753184.505 494.15
   LOCATION L0110358     VOLUME   485509.629 3753150.669 491.74
   LOCATION L0110359     VOLUME   485509.592 3753116.833 490.76
   LOCATION L0110360     VOLUME   485509.556 3753082.997 491.58
** END OF LINE VOLUME SOURCE ID = SEGMENT11
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT12
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0144
** ELEVATED
** VERTICAL DIMENSION = 2.20
** SZINIT = 0.51
** NODES = 2
** 485533.45, 3755091.71, 532.00, 2.20, 15.63
** 485515.75, 3754268.39, 515.00, 2.20, 15.63
** ---------------------------------------------------------------------
   LOCATION L0112323     VOLUME   485533.265 3755083.180 531.19
   LOCATION L0112324     VOLUME   485532.543 3755049.586 528.80
   LOCATION L0112325     VOLUME   485531.821 3755015.992 528.21
   LOCATION L0112326     VOLUME   485531.099 3754982.399 528.02
   LOCATION L0112327     VOLUME   485530.377 3754948.805 526.65
   LOCATION L0112328     VOLUME   485529.654 3754915.211 525.38
   LOCATION L0112329     VOLUME   485528.932 3754881.617 522.89
   LOCATION L0112330     VOLUME   485528.210 3754848.023 520.45
   LOCATION L0112331     VOLUME   485527.488 3754814.429 523.22
   LOCATION L0112332     VOLUME   485526.766 3754780.835 526.04
   LOCATION L0112333     VOLUME   485526.044 3754747.241 526.70
   LOCATION L0112334     VOLUME   485525.321 3754713.647 524.19
   LOCATION L0112335     VOLUME   485524.599 3754680.053 521.85
   LOCATION L0112336     VOLUME   485523.877 3754646.460 521.76
   LOCATION L0112337     VOLUME   485523.155 3754612.866 522.11
   LOCATION L0112338     VOLUME   485522.433 3754579.272 522.18
   LOCATION L0112339     VOLUME   485521.711 3754545.678 519.09
   LOCATION L0112340     VOLUME   485520.988 3754512.084 515.25
   LOCATION L0112341     VOLUME   485520.266 3754478.490 514.73
   LOCATION L0112342     VOLUME   485519.544 3754444.896 516.68
   LOCATION L0112343     VOLUME   485518.822 3754411.302 517.04
   LOCATION L0112344     VOLUME   485518.100 3754377.708 515.99
   LOCATION L0112345     VOLUME   485517.378 3754344.114 515.07
   LOCATION L0112346     VOLUME   485516.655 3754310.520 515.00
   LOCATION L0112347     VOLUME   485515.933 3754276.927 514.56
** END OF LINE VOLUME SOURCE ID = SEGMENT12
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT14
** DESCRSRC
```

```
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.174
** ELEVATED
** VERTICAL DIMENSION = 3.20
** SZINIT = 0.74
** NODES = 2
** 485503.72, 3755054.30, 532.00, 3.20, 23.83
** 486400.84, 3755050.67, 532.00, 3.20, 23.83
** ---------------------------------------------------------------------
   LOCATION L0112348     VOLUME   485516.820 3755054.250 529.90
   LOCATION L0112349     VOLUME   485568.051 3755054.043 528.58
   LOCATION L0112350     VOLUME   485619.281 3755053.835 530.77
   LOCATION L0112351     VOLUME   485670.512 3755053.628 532.50
   LOCATION L0112352     VOLUME   485721.742 3755053.421 534.25
   LOCATION L0112353     VOLUME   485772.972 3755053.213 531.14
   LOCATION L0112354     VOLUME   485824.203 3755053.006 529.49
   LOCATION L0112355     VOLUME   485875.433 3755052.798 529.85
   LOCATION L0112356     VOLUME   485926.663 3755052.591 530.93
   LOCATION L0112357     VOLUME   485977.894 3755052.384 529.69
   LOCATION L0112358     VOLUME   486029.124 3755052.176 529.39
   LOCATION L0112359     VOLUME   486080.355 3755051.969 529.54
   LOCATION L0112360     VOLUME   486131.585 3755051.761 529.54
   LOCATION L0112361     VOLUME   486182.815 3755051.554 530.26
   LOCATION L0112362     VOLUME   486234.046 3755051.346 527.40
   LOCATION L0112363     VOLUME   486285.276 3755051.139 527.00
   LOCATION L0112364     VOLUME   486336.506 3755050.932 526.50
   LOCATION L0112365     VOLUME   486387.737 3755050.724 527.33
** END OF LINE VOLUME SOURCE ID = SEGMENT14
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT15
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.139
** ELEVATED
** VERTICAL DIMENSION = 3.40
** SZINIT = 0.79
** NODES = 2
** 486385.45, 3755051.87, 530.00, 3.40, 23.51
** 487119.32, 3755045.18, 533.00, 3.40, 23.51
** ---------------------------------------------------------------------
   LOCATION L0112366     VOLUME   486398.558 3755051.755 528.14
   LOCATION L0112367     VOLUME   486449.105 3755051.294 531.34
   LOCATION L0112368     VOLUME   486499.652 3755050.833 529.71
   LOCATION L0112369     VOLUME   486550.198 3755050.372 528.00
   LOCATION L0112370     VOLUME   486600.745 3755049.911 527.01
   LOCATION L0112371     VOLUME   486651.292 3755049.450 527.31
   LOCATION L0112372     VOLUME   486701.838 3755048.989 529.15
   LOCATION L0112373     VOLUME   486752.385 3755048.528 530.26
   LOCATION L0112374     VOLUME   486802.931 3755048.067 529.24
   LOCATION L0112375     VOLUME   486853.478 3755047.607 526.51
   LOCATION L0112376     VOLUME   486904.025 3755047.146 529.44
   LOCATION L0112377     VOLUME   486954.571 3755046.685 527.58
   LOCATION L0112378     VOLUME   487005.118 3755046.224 526.31
   LOCATION L0112379     VOLUME   487055.665 3755045.763 527.00
   LOCATION L0112380     VOLUME   487106.211 3755045.302 527.92
** END OF LINE VOLUME SOURCE ID = SEGMENT15
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT18
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0737
** ELEVATED
** VERTICAL DIMENSION = 3.30
** SZINIT = 0.77
** NODES = 5
** 487138.06, 3755042.91, 533.00, 3.30, 23.38
** 487300.89, 3755033.99, 529.00, 3.30, 23.38
** 487535.10, 3754996.07, 529.00, 3.30, 23.38
** 487711.32, 3755000.53, 525.00, 3.30, 23.38
** 487907.61, 3754947.00, 526.00, 3.30, 23.38
** ---------------------------------------------------------------------
   LOCATION L0112381     VOLUME   487151.146 3755042.194 530.63
   LOCATION L0112382     VOLUME   487201.328 3755039.444 528.00
   LOCATION L0112383     VOLUME   487251.510 3755036.694 528.53
   LOCATION L0112384     VOLUME   487301.683 3755033.861 528.59
   LOCATION L0112385     VOLUME   487351.295 3755025.828 526.03
   LOCATION L0112386     VOLUME   487400.906 3755017.796 524.56
   LOCATION L0112387     VOLUME   487450.518 3755009.764 524.36
   LOCATION L0112388     VOLUME   487500.129 3755001.731 526.00
   LOCATION L0112389     VOLUME   487549.926 3754996.444 528.33
   LOCATION L0112390     VOLUME   487600.167 3754997.716 529.25
   LOCATION L0112391     VOLUME   487650.409 3754998.988 526.24
   LOCATION L0112392     VOLUME   487700.650 3755000.260 522.97
   LOCATION L0112393     VOLUME   487749.509 3754990.115 522.29
   LOCATION L0112394     VOLUME   487797.996 3754976.891 523.27
   LOCATION L0112395     VOLUME   487846.482 3754963.667 524.09
   LOCATION L0112396     VOLUME   487894.969 3754950.444 525.82
** END OF LINE VOLUME SOURCE ID = SEGMENT18
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT18A
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0179
** ELEVATED
** VERTICAL DIMENSION = 3.10
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** SZINIT = 0.72
** NODES = 5
** 487908.51, 3754945.43, 526.00, 3.10, 24.10
** 488040.12, 3754869.59, 520.00, 3.10, 24.10
** 488173.95, 3754769.21, 522.00, 3.10, 24.10
** 488301.10, 3754733.52, 523.00, 3.10, 24.10
** 488497.39, 3754720.14, 526.00, 3.10, 24.10
** ---------------------------------------------------------------------
   LOCATION L0112397     VOLUME   487919.867 3754938.887 524.63
   LOCATION L0112398     VOLUME   487964.761 3754913.016 521.91
   LOCATION L0112399     VOLUME   488009.655 3754887.144 519.81
   LOCATION L0112400     VOLUME   488053.443 3754859.596 519.44
   LOCATION L0112401     VOLUME   488094.895 3754828.507 519.17
   LOCATION L0112402     VOLUME   488136.347 3754797.418 520.48
   LOCATION L0112403     VOLUME   488178.582 3754767.914 521.23
   LOCATION L0112404     VOLUME   488228.469 3754753.911 522.90
   LOCATION L0112405     VOLUME   488278.356 3754739.908 523.05
   LOCATION L0112406     VOLUME   488329.227 3754731.607 521.54
   LOCATION L0112407     VOLUME   488380.922 3754728.082 523.90
   LOCATION L0112408     VOLUME   488432.617 3754724.557 527.97
   LOCATION L0112409     VOLUME   488484.312 3754721.033 524.82
** END OF LINE VOLUME SOURCE ID = SEGMENT18A
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT19
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.361
** ELEVATED
** VERTICAL DIMENSION = 3.40
** SZINIT = 0.79
** NODES = 6
** 487121.55, 3754448.99, 511.00, 3.40, 17.64
** 487583.28, 3754424.46, 510.00, 3.40, 17.64
** 487714.88, 3754428.92, 512.00, 3.40, 17.64
** 487795.18, 3754451.22, 513.00, 3.40, 17.64
** 488303.76, 3754442.30, 511.00, 3.40, 17.64
** 488433.13, 3754346.39, 506.00, 3.40, 17.64
** ---------------------------------------------------------------------
   LOCATION L0112410     VOLUME   487131.288 3754448.475 506.58
   LOCATION L0112411     VOLUME   487169.165 3754446.462 506.00
   LOCATION L0112412     VOLUME   487207.043 3754444.450 508.12
   LOCATION L0112413     VOLUME   487244.921 3754442.437 509.08
   LOCATION L0112414     VOLUME   487282.799 3754440.424 509.78
   LOCATION L0112415     VOLUME   487320.677 3754438.411 509.05
   LOCATION L0112416     VOLUME   487358.555 3754436.398 509.37
   LOCATION L0112417     VOLUME   487396.433 3754434.385 510.45
   LOCATION L0112418     VOLUME   487434.310 3754432.373 509.94
   LOCATION L0112419     VOLUME   487472.188 3754430.360 509.38
   LOCATION L0112420     VOLUME   487510.066 3754428.347 509.95
   LOCATION L0112421     VOLUME   487547.944 3754426.334 510.22
   LOCATION L0112422     VOLUME   487585.824 3754424.543 509.56
   LOCATION L0112423     VOLUME   487623.733 3754425.828 510.12
   LOCATION L0112424     VOLUME   487661.643 3754427.113 510.71
   LOCATION L0112425     VOLUME   487699.553 3754428.398 510.44
   LOCATION L0112426     VOLUME   487736.651 3754434.965 510.81
   LOCATION L0112427     VOLUME   487773.198 3754445.117 510.41
   LOCATION L0112428     VOLUME   487810.295 3754450.958 509.88
   LOCATION L0112429     VOLUME   487848.220 3754450.293 509.77
   LOCATION L0112430     VOLUME   487886.146 3754449.628 508.53
   LOCATION L0112431     VOLUME   487924.071 3754448.962 507.74
   LOCATION L0112432     VOLUME   487961.997 3754448.297 508.40
   LOCATION L0112433     VOLUME   487999.922 3754447.632 509.00
   LOCATION L0112434     VOLUME   488037.848 3754446.966 508.07
   LOCATION L0112435     VOLUME   488075.773 3754446.301 507.15
   LOCATION L0112436     VOLUME   488113.698 3754445.635 508.18
   LOCATION L0112437     VOLUME   488151.624 3754444.970 508.31
   LOCATION L0112438     VOLUME   488189.549 3754444.305 509.27
   LOCATION L0112439     VOLUME   488227.475 3754443.639 510.36
   LOCATION L0112440     VOLUME   488265.400 3754442.974 510.66
   LOCATION L0112441     VOLUME   488303.326 3754442.309 510.94
   LOCATION L0112442     VOLUME   488333.881 3754419.967 509.27
   LOCATION L0112443     VOLUME   488364.352 3754397.376 506.49
   LOCATION L0112444     VOLUME   488394.822 3754374.786 504.46
   LOCATION L0112445     VOLUME   488425.293 3754352.196 504.99
** END OF LINE VOLUME SOURCE ID = SEGMENT19
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT20
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0304
** ELEVATED
** VERTICAL DIMENSION = 2.30
** SZINIT = 0.53
** NODES = 3
** 488428.67, 3754348.62, 506.00, 2.30, 18.04
** 488457.67, 3754308.47, 506.00, 2.30, 18.04
** 488457.67, 3753291.32, 483.00, 2.30, 18.04
** ---------------------------------------------------------------------
   LOCATION L0112446     VOLUME   488434.379 3754340.708 505.31
   LOCATION L0112447     VOLUME   488457.087 3754309.267 506.00
   LOCATION L0112448     VOLUME   488457.666 3754270.671 506.00
   LOCATION L0112449     VOLUME   488457.666 3754231.887 505.06
   LOCATION L0112450     VOLUME   488457.666 3754193.103 501.00
   LOCATION L0112451     VOLUME   488457.666 3754154.319 501.52
   LOCATION L0112452     VOLUME   488457.666 3754115.535 503.63
   LOCATION L0112453     VOLUME   488457.666 3754076.751 502.89
   LOCATION L0112454     VOLUME   488457.666 3754037.968 502.00
   LOCATION L0112455     VOLUME   488457.666 3753999.184 502.00
   LOCATION L0112456     VOLUME   488457.666 3753960.400 502.00
   LOCATION L0112457     VOLUME   488457.666 3753921.616 500.44
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   LOCATION L0112458     VOLUME   488457.666 3753882.832 498.43
   LOCATION L0112459     VOLUME   488457.666 3753844.049 497.13
   LOCATION L0112460     VOLUME   488457.666 3753805.265 496.84
   LOCATION L0112461     VOLUME   488457.666 3753766.481 496.00
   LOCATION L0112462     VOLUME   488457.666 3753727.697 495.26
   LOCATION L0112463     VOLUME   488457.666 3753688.913 493.93
   LOCATION L0112464     VOLUME   488457.666 3753650.130 491.01
   LOCATION L0112465     VOLUME   488457.666 3753611.346 488.38
   LOCATION L0112466     VOLUME   488457.666 3753572.562 488.00
   LOCATION L0112467     VOLUME   488457.666 3753533.778 488.00
   LOCATION L0112468     VOLUME   488457.666 3753494.994 488.00
   LOCATION L0112469     VOLUME   488457.666 3753456.211 487.21
   LOCATION L0112470     VOLUME   488457.666 3753417.427 485.91
   LOCATION L0112471     VOLUME   488457.666 3753378.643 485.38
   LOCATION L0112472     VOLUME   488457.666 3753339.859 483.99
   LOCATION L0112473     VOLUME   488457.666 3753301.075 482.04
** END OF LINE VOLUME SOURCE ID = SEGMENT20
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT21
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.348
** ELEVATED
** VERTICAL DIMENSION = 3.10
** SZINIT = 0.72
** NODES = 2
** 487098.48, 3753294.03, 491.00, 3.10, 22.81
** 487762.08, 3753289.01, 485.00, 3.10, 22.81
** ----------------------------------------------------------------------
   LOCATION L0112474     VOLUME   487111.587 3753293.935 488.95
   LOCATION L0112475     VOLUME   487160.618 3753293.563 488.00
   LOCATION L0112476     VOLUME   487209.648 3753293.192 486.28
   LOCATION L0112477     VOLUME   487258.678 3753292.820 484.53
   LOCATION L0112478     VOLUME   487307.708 3753292.449 486.78
   LOCATION L0112479     VOLUME   487356.738 3753292.077 488.33
   LOCATION L0112480     VOLUME   487405.769 3753291.706 488.58
   LOCATION L0112481     VOLUME   487454.799 3753291.335 487.15
   LOCATION L0112482     VOLUME   487503.829 3753290.963 486.39
   LOCATION L0112483     VOLUME   487552.859 3753290.592 487.28
   LOCATION L0112484     VOLUME   487601.890 3753290.220 486.63
   LOCATION L0112485     VOLUME   487650.920 3753289.849 486.21
   LOCATION L0112486     VOLUME   487699.950 3753289.477 482.33
   LOCATION L0112487     VOLUME   487748.980 3753289.106 483.13
** END OF LINE VOLUME SOURCE ID = SEGMENT21
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT22
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.375
** ELEVATED
** VERTICAL DIMENSION = 3.10
** SZINIT = 0.72
** NODES = 2
** 487752.03, 3753289.01, 485.00, 3.10, 24.24
** 488455.85, 3753289.01, 483.00, 3.10, 24.24
** ----------------------------------------------------------------------
   LOCATION L0112488     VOLUME   487765.135 3753289.007 484.00
   LOCATION L0112489     VOLUME   487817.259 3753289.007 485.27
   LOCATION L0112490     VOLUME   487869.383 3753289.007 483.15
   LOCATION L0112491     VOLUME   487921.507 3753289.007 482.97
   LOCATION L0112492     VOLUME   487973.631 3753289.007 484.84
   LOCATION L0112493     VOLUME   488025.755 3753289.007 485.63
   LOCATION L0112494     VOLUME   488077.879 3753289.007 485.37
   LOCATION L0112495     VOLUME   488130.002 3753289.007 485.63
   LOCATION L0112496     VOLUME   488182.126 3753289.007 485.63
   LOCATION L0112497     VOLUME   488234.250 3753289.007 486.33
   LOCATION L0112498     VOLUME   488286.374 3753289.007 484.87
   LOCATION L0112499     VOLUME   488338.498 3753289.007 484.37
   LOCATION L0112500     VOLUME   488390.622 3753289.007 484.55
   LOCATION L0112501     VOLUME   488442.746 3753289.007 483.27
** END OF LINE VOLUME SOURCE ID = SEGMENT22
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT23
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.163
** ELEVATED
** VERTICAL DIMENSION = 3.20
** SZINIT = 0.74
** NODES = 2
** 488445.80, 3753299.06, 484.00, 3.20, 18.10
** 488450.82, 3752851.63, 480.00, 3.20, 18.10
** ----------------------------------------------------------------------
   LOCATION L0112502     VOLUME   488445.906 3753289.307 481.64
   LOCATION L0112503     VOLUME   488446.343 3753250.405 481.00
   LOCATION L0112504     VOLUME   488446.780 3753211.503 480.05
   LOCATION L0112505     VOLUME   488447.217 3753172.601 479.00
   LOCATION L0112506     VOLUME   488447.654 3753133.700 478.46
   LOCATION L0112507     VOLUME   488448.091 3753094.798 478.00
   LOCATION L0112508     VOLUME   488448.528 3753055.896 477.00
   LOCATION L0112509     VOLUME   488448.966 3753016.994 477.00
   LOCATION L0112510     VOLUME   488449.403 3752978.092 477.73
   LOCATION L0112511     VOLUME   488449.840 3752939.190 478.97
   LOCATION L0112512     VOLUME   488450.277 3752900.289 478.00
   LOCATION L0112513     VOLUME   488450.714 3752861.387 478.00
** END OF LINE VOLUME SOURCE ID = SEGMENT23
** ----------------------------------------------------------------------
```

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** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT24
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.246
** ELEVATED
** VERTICAL DIMENSION = 2.80
** SZINIT = 0.65
** NODES = 2
** 488450.82, 3753299.06, 483.00, 2.80, 23.53
** 489893.66, 3753294.03, 493.00, 2.80, 23.53
** ---------------------------------------------------------------------
   LOCATION L0112514     VOLUME   488463.928 3753299.016 481.83
   LOCATION L0112515     VOLUME   488514.522 3753298.839 480.92
   LOCATION L0112516     VOLUME   488565.116 3753298.663 482.30
   LOCATION L0112517     VOLUME   488615.709 3753298.487 484.06
   LOCATION L0112518     VOLUME   488666.303 3753298.310 483.24
   LOCATION L0112519     VOLUME   488716.897 3753298.134 482.04
   LOCATION L0112520     VOLUME   488767.490 3753297.958 482.14
   LOCATION L0112521     VOLUME   488818.084 3753297.782 481.14
   LOCATION L0112522     VOLUME   488868.678 3753297.605 482.05
   LOCATION L0112523     VOLUME   488919.271 3753297.429 483.39
   LOCATION L0112524     VOLUME   488969.865 3753297.253 485.90
   LOCATION L0112525     VOLUME   489020.459 3753297.076 484.22
   LOCATION L0112526     VOLUME   489071.052 3753296.900 484.83
   LOCATION L0112527     VOLUME   489121.646 3753296.724 484.90
   LOCATION L0112528     VOLUME   489172.240 3753296.548 486.48
   LOCATION L0112529     VOLUME   489222.833 3753296.371 491.61
   LOCATION L0112530     VOLUME   489273.427 3753296.195 494.43
   LOCATION L0112531     VOLUME   489324.020 3753296.019 490.50
   LOCATION L0112532     VOLUME   489374.614 3753295.842 489.14
   LOCATION L0112533     VOLUME   489425.208 3753295.666 490.32
   LOCATION L0112534     VOLUME   489475.801 3753295.490 490.16
   LOCATION L0112535     VOLUME   489526.395 3753295.314 490.47
   LOCATION L0112536     VOLUME   489576.989 3753295.137 493.03
   LOCATION L0112537     VOLUME   489627.582 3753294.961 493.36
   LOCATION L0112538     VOLUME   489678.176 3753294.785 495.58
   LOCATION L0112539     VOLUME   489728.770 3753294.608 496.83
   LOCATION L0112540     VOLUME   489779.363 3753294.432 493.43
   LOCATION L0112541     VOLUME   489829.957 3753294.256 489.16
   LOCATION L0112542     VOLUME   489880.551 3753294.080 491.63
** END OF LINE VOLUME SOURCE ID = SEGMENT24
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT25
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.114
** ELEVATED
** VERTICAL DIMENSION = 3.10
** SZINIT = 0.72
** NODES = 3
** 489888.63, 3753289.01, 493.00, 3.10, 22.24
** 489959.01, 3753319.17, 494.00, 3.10, 22.24
** 490099.77, 3753444.85, 504.00, 3.10, 22.24
** ---------------------------------------------------------------------
   LOCATION L0112543     VOLUME   489900.674 3753294.169 492.82
   LOCATION L0112544     VOLUME   489944.622 3753313.004 493.72
   LOCATION L0112545     VOLUME   489983.000 3753340.589 494.27
   LOCATION L0112546     VOLUME   490018.666 3753372.434 497.34
   LOCATION L0112547     VOLUME   490054.332 3753404.279 500.62
   LOCATION L0112548     VOLUME   490089.999 3753436.124 502.51
** END OF LINE VOLUME SOURCE ID = SEGMENT25
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT26
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.134
** ELEVATED
** VERTICAL DIMENSION = 3.30
** SZINIT = 0.77
** NODES = 2
** 489898.68, 3753289.01, 493.00, 3.30, 15.51
** 489903.71, 3752871.74, 482.00, 3.30, 15.51
** ---------------------------------------------------------------------
   LOCATION L0112549     VOLUME   489898.786 3753280.472 492.29
   LOCATION L0112550     VOLUME   489899.187 3753247.123 490.45
   LOCATION L0112551     VOLUME   489899.589 3753213.773 488.25
   LOCATION L0112552     VOLUME   489899.991 3753180.423 487.01
   LOCATION L0112553     VOLUME   489900.393 3753147.074 488.28
   LOCATION L0112554     VOLUME   489900.795 3753113.724 490.99
   LOCATION L0112555     VOLUME   489901.196 3753080.374 490.63
   LOCATION L0112556     VOLUME   489901.598 3753047.024 489.03
   LOCATION L0112557     VOLUME   489902.000 3753013.675 487.32
   LOCATION L0112558     VOLUME   489902.402 3752980.325 486.24
   LOCATION L0112559     VOLUME   489902.804 3752946.975 484.59
   LOCATION L0112560     VOLUME   489903.205 3752913.626 482.46
   LOCATION L0112561     VOLUME   489903.607 3752880.276 480.38
** END OF LINE VOLUME SOURCE ID = SEGMENT26
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT27
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0843
** ELEVATED
** VERTICAL DIMENSION = 3.30
```

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** SZINIT = 0.77
** NODES = 2
** 489908.74, 3752866.71, 482.00, 3.30, 15.35
** 490255.62, 3752876.77, 483.00, 3.30, 15.35
** ---------------------------------------------------------------------
   LOCATION L0112562     VOLUME   489917.269 3752866.962 481.66
   LOCATION L0112563     VOLUME   489950.251 3752867.918 483.00
   LOCATION L0112564     VOLUME   489983.233 3752868.874 484.03
   LOCATION L0112565     VOLUME   490016.215 3752869.830 484.90
   LOCATION L0112566     VOLUME   490049.197 3752870.786 486.05
   LOCATION L0112567     VOLUME   490082.179 3752871.742 485.72
   LOCATION L0112568     VOLUME   490115.161 3752872.698 485.89
   LOCATION L0112569     VOLUME   490148.143 3752873.654 486.58
   LOCATION L0112570     VOLUME   490181.125 3752874.610 486.03
   LOCATION L0112571     VOLUME   490214.107 3752875.566 484.13
   LOCATION L0112572     VOLUME   490247.089 3752876.522 482.55
** END OF LINE VOLUME SOURCE ID = SEGMENT27
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT28
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.205
** ELEVATED
** VERTICAL DIMENSION = 3.20
** SZINIT = 0.74
** NODES = 3
** 488445.80, 3752856.66, 479.00, 3.20, 15.60
** 489023.93, 3752886.82, 482.00, 3.20, 15.60
** 489903.71, 3752871.74, 482.00, 3.20, 15.60
** ---------------------------------------------------------------------
   LOCATION L0112573     VOLUME   488454.320 3752857.104 478.00
   LOCATION L0112574     VOLUME   488487.803 3752858.851 478.65
   LOCATION L0112575     VOLUME   488521.287 3752860.598 477.56
   LOCATION L0112576     VOLUME   488554.771 3752862.345 475.49
   LOCATION L0112577     VOLUME   488588.255 3752864.092 475.28
   LOCATION L0112578     VOLUME   488621.738 3752865.839 476.58
   LOCATION L0112579     VOLUME   488655.222 3752867.586 478.01
   LOCATION L0112580     VOLUME   488688.706 3752869.333 478.46
   LOCATION L0112581     VOLUME   488722.190 3752871.080 477.56
   LOCATION L0112582     VOLUME   488755.673 3752872.827 477.44
   LOCATION L0112583     VOLUME   488789.157 3752874.574 478.33
   LOCATION L0112584     VOLUME   488822.641 3752876.321 478.23
   LOCATION L0112585     VOLUME   488856.125 3752878.068 478.05
   LOCATION L0112586     VOLUME   488889.608 3752879.815 478.00
   LOCATION L0112587     VOLUME   488923.092 3752881.562 477.67
   LOCATION L0112588     VOLUME   488956.576 3752883.309 478.20
   LOCATION L0112589     VOLUME   488990.060 3752885.056 479.67
   LOCATION L0112590     VOLUME   489023.543 3752886.803 481.39
   LOCATION L0112591     VOLUME   489057.067 3752886.256 482.69
   LOCATION L0112592     VOLUME   489090.592 3752885.681 481.79
   LOCATION L0112593     VOLUME   489124.116 3752885.106 480.72
   LOCATION L0112594     VOLUME   489157.640 3752884.531 479.78
   LOCATION L0112595     VOLUME   489191.165 3752883.957 478.81
   LOCATION L0112596     VOLUME   489224.689 3752883.382 478.66
   LOCATION L0112597     VOLUME   489258.213 3752882.807 479.70
   LOCATION L0112598     VOLUME   489291.738 3752882.233 480.07
   LOCATION L0112599     VOLUME   489325.262 3752881.658 480.06
   LOCATION L0112600     VOLUME   489358.787 3752881.083 480.07
   LOCATION L0112601     VOLUME   489392.311 3752880.508 480.03
   LOCATION L0112602     VOLUME   489425.835 3752879.934 480.19
   LOCATION L0112603     VOLUME   489459.360 3752879.359 481.26
   LOCATION L0112604     VOLUME   489492.884 3752878.784 481.90
   LOCATION L0112605     VOLUME   489526.408 3752878.210 481.91
   LOCATION L0112606     VOLUME   489559.933 3752877.635 482.48
   LOCATION L0112607     VOLUME   489593.457 3752877.060 483.49
   LOCATION L0112608     VOLUME   489626.981 3752876.486 484.65
   LOCATION L0112609     VOLUME   489660.506 3752875.911 484.85
   LOCATION L0112610     VOLUME   489694.030 3752875.336 483.84
   LOCATION L0112611     VOLUME   489727.555 3752874.761 484.12
   LOCATION L0112612     VOLUME   489761.079 3752874.187 485.30
   LOCATION L0112613     VOLUME   489794.603 3752873.612 484.92
   LOCATION L0112614     VOLUME   489828.128 3752873.037 482.79
   LOCATION L0112615     VOLUME   489861.652 3752872.463 480.74
   LOCATION L0112616     VOLUME   489895.176 3752871.888 480.27
** END OF LINE VOLUME SOURCE ID = SEGMENT28
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT29
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 10.10
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.173
** ELEVATED
** VERTICAL DIMENSION = 3.40
** SZINIT = 0.79
** NODES = 2
** 488254.11, 3755298.30, 548.00, 3.40, 9.20
** 488465.26, 3754775.46, 527.00, 3.40, 9.20
** ---------------------------------------------------------------------
   LOCATION L0112617     VOLUME   488256.001 3755293.618 547.91
   LOCATION L0112618     VOLUME   488263.407 3755275.280 547.76
   LOCATION L0112619     VOLUME   488270.813 3755256.941 547.00
   LOCATION L0112620     VOLUME   488278.219 3755238.603 546.11
   LOCATION L0112621     VOLUME   488285.625 3755220.265 545.58
   LOCATION L0112622     VOLUME   488293.031 3755201.926 546.30
   LOCATION L0112623     VOLUME   488300.437 3755183.588 546.55
   LOCATION L0112624     VOLUME   488307.843 3755165.250 546.07
   LOCATION L0112625     VOLUME   488315.248 3755146.911 545.50
   LOCATION L0112626     VOLUME   488322.654 3755128.573 544.24
   LOCATION L0112627     VOLUME   488330.060 3755110.235 541.81
   LOCATION L0112628     VOLUME   488337.466 3755091.896 539.27
   LOCATION L0112629     VOLUME   488344.872 3755073.558 537.21
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   LOCATION L0112630     VOLUME   488352.278 3755055.220 535.11
   LOCATION L0112631     VOLUME   488359.684 3755036.881 533.03
   LOCATION L0112632     VOLUME   488367.089 3755018.543 531.46
   LOCATION L0112633     VOLUME   488374.495 3755000.205 530.12
   LOCATION L0112634     VOLUME   488381.901 3754981.866 528.93
   LOCATION L0112635     VOLUME   488389.307 3754963.528 527.84
   LOCATION L0112636     VOLUME   488396.713 3754945.190 527.02
   LOCATION L0112637     VOLUME   488404.119 3754926.851 527.91
   LOCATION L0112638     VOLUME   488411.525 3754908.513 527.77
   LOCATION L0112639     VOLUME   488418.930 3754890.175 527.27
   LOCATION L0112640     VOLUME   488426.336 3754871.837 526.62
   LOCATION L0112641     VOLUME   488433.742 3754853.498 525.57
   LOCATION L0112642     VOLUME   488441.148 3754835.160 524.34
   LOCATION L0112643     VOLUME   488448.554 3754816.822 526.00
   LOCATION L0112644     VOLUME   488455.960 3754798.483 526.05
   LOCATION L0112645     VOLUME   488463.366 3754780.145 526.51
** END OF LINE VOLUME SOURCE ID = SEGMENT29
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT30
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 10.10
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.709
** ELEVATED
** VERTICAL DIMENSION = 3.40
** SZINIT = 0.79
** NODES = 4
** 488465.58, 3754780.49, 527.00, 3.40, 9.32
** 488732.03, 3754307.92, 516.00, 3.40, 9.32
** 488963.28, 3754116.89, 511.00, 3.40, 9.32
** 490099.45, 3753423.12, 503.00, 3.40, 9.32
** ----------------------------------------------------------------------
   LOCATION L0112646     VOLUME   488468.061 3754776.091 526.37
   LOCATION L0112647     VOLUME   488477.900 3754758.640 525.96
   LOCATION L0112648     VOLUME   488487.740 3754741.189 525.22
   LOCATION L0112649     VOLUME   488497.579 3754723.739 524.23
   LOCATION L0112650     VOLUME   488507.418 3754706.288 524.00
   LOCATION L0112651     VOLUME   488517.257 3754688.838 524.00
   LOCATION L0112652     VOLUME   488527.096 3754671.387 523.43
   LOCATION L0112653     VOLUME   488536.935 3754653.936 522.26
   LOCATION L0112654     VOLUME   488546.775 3754636.486 521.45
   LOCATION L0112655     VOLUME   488556.614 3754619.035 521.60
   LOCATION L0112656     VOLUME   488566.453 3754601.585 521.75
   LOCATION L0112657     VOLUME   488576.292 3754584.134 522.33
   LOCATION L0112658     VOLUME   488586.131 3754566.683 523.13
   LOCATION L0112659     VOLUME   488595.971 3754549.233 522.86
   LOCATION L0112660     VOLUME   488605.810 3754531.782 521.81
   LOCATION L0112661     VOLUME   488615.649 3754514.331 522.23
   LOCATION L0112662     VOLUME   488625.488 3754496.881 522.80
   LOCATION L0112663     VOLUME   488635.327 3754479.430 522.43
   LOCATION L0112664     VOLUME   488645.166 3754461.980 521.23
   LOCATION L0112665     VOLUME   488655.006 3754444.529 519.18
   LOCATION L0112666     VOLUME   488664.845 3754427.078 517.54
   LOCATION L0112667     VOLUME   488674.684 3754409.628 516.13
   LOCATION L0112668     VOLUME   488684.523 3754392.177 514.72
   LOCATION L0112669     VOLUME   488694.362 3754374.727 512.98
   LOCATION L0112670     VOLUME   488704.201 3754357.276 512.63
   LOCATION L0112671     VOLUME   488714.041 3754339.825 513.58
   LOCATION L0112672     VOLUME   488723.880 3754322.375 514.58
   LOCATION L0112673     VOLUME   488734.683 3754305.731 514.37
   LOCATION L0112674     VOLUME   488750.128 3754292.972 513.43
   LOCATION L0112675     VOLUME   488765.573 3754280.213 511.63
   LOCATION L0112676     VOLUME   488781.018 3754267.454 510.35
   LOCATION L0112677     VOLUME   488796.462 3754254.695 509.90
   LOCATION L0112678     VOLUME   488811.907 3754241.937 509.97
   LOCATION L0112679     VOLUME   488827.352 3754229.178 510.21
   LOCATION L0112680     VOLUME   488842.797 3754216.419 509.96
   LOCATION L0112681     VOLUME   488858.242 3754203.660 509.76
   LOCATION L0112682     VOLUME   488873.687 3754190.901 510.64
   LOCATION L0112683     VOLUME   488889.132 3754178.142 511.39
   LOCATION L0112684     VOLUME   488904.577 3754165.384 511.69
   LOCATION L0112685     VOLUME   488920.022 3754152.625 511.56
   LOCATION L0112686     VOLUME   488935.467 3754139.866 511.00
   LOCATION L0112687     VOLUME   488950.912 3754127.107 510.57
   LOCATION L0112688     VOLUME   488966.685 3754114.810 510.16
   LOCATION L0112689     VOLUME   488983.783 3754104.369 507.69
   LOCATION L0112690     VOLUME   489000.881 3754093.929 504.89
   LOCATION L0112691     VOLUME   489017.979 3754083.489 503.56
   LOCATION L0112692     VOLUME   489035.077 3754073.049 502.75
   LOCATION L0112693     VOLUME   489052.174 3754062.608 503.01
   LOCATION L0112694     VOLUME   489069.272 3754052.168 503.38
   LOCATION L0112695     VOLUME   489086.370 3754041.728 503.33
   LOCATION L0112696     VOLUME   489103.468 3754031.288 502.75
   LOCATION L0112697     VOLUME   489120.566 3754020.847 502.04
   LOCATION L0112698     VOLUME   489137.663 3754010.407 500.90
   LOCATION L0112699     VOLUME   489154.761 3753999.967 499.51
   LOCATION L0112700     VOLUME   489171.859 3753989.527 498.29
   LOCATION L0112701     VOLUME   489188.957 3753979.086 498.74
   LOCATION L0112702     VOLUME   489206.055 3753968.646 499.21
   LOCATION L0112703     VOLUME   489223.152 3753958.206 499.39
   LOCATION L0112704     VOLUME   489240.250 3753947.766 499.18
   LOCATION L0112705     VOLUME   489257.348 3753937.325 498.49
   LOCATION L0112706     VOLUME   489274.446 3753926.885 498.00
   LOCATION L0112707     VOLUME   489291.544 3753916.445 498.00
   LOCATION L0112708     VOLUME   489308.641 3753906.005 497.94
   LOCATION L0112709     VOLUME   489325.739 3753895.564 498.00
   LOCATION L0112710     VOLUME   489342.837 3753885.124 497.57
   LOCATION L0112711     VOLUME   489359.935 3753874.684 497.00
   LOCATION L0112712     VOLUME   489377.033 3753864.244 497.46
   LOCATION L0112713     VOLUME   489394.130 3753853.803 497.52
   LOCATION L0112714     VOLUME   489411.228 3753843.363 497.19
   LOCATION L0112715     VOLUME   489428.326 3753832.923 497.17
   LOCATION L0112716     VOLUME   489445.424 3753822.483 497.09
   LOCATION L0112717     VOLUME   489462.522 3753812.042 497.83
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   LOCATION L0112718     VOLUME   489479.619 3753801.602 498.69
   LOCATION L0112719     VOLUME   489496.717 3753791.162 498.93
   LOCATION L0112720     VOLUME   489513.815 3753780.722 499.15
   LOCATION L0112721     VOLUME   489530.913 3753770.281 499.70
   LOCATION L0112722     VOLUME   489548.011 3753759.841 499.91
   LOCATION L0112723     VOLUME   489565.108 3753749.401 499.98
   LOCATION L0112724     VOLUME   489582.206 3753738.961 500.04
   LOCATION L0112725     VOLUME   489599.304 3753728.520 500.26
   LOCATION L0112726     VOLUME   489616.402 3753718.080 500.93
   LOCATION L0112727     VOLUME   489633.500 3753707.640 500.81
   LOCATION L0112728     VOLUME   489650.597 3753697.200 500.24
   LOCATION L0112729     VOLUME   489667.695 3753686.759 499.56
   LOCATION L0112730     VOLUME   489684.793 3753676.319 498.64
   LOCATION L0112731     VOLUME   489701.891 3753665.879 499.31
   LOCATION L0112732     VOLUME   489718.988 3753655.439 500.90
   LOCATION L0112733     VOLUME   489736.086 3753644.998 502.34
   LOCATION L0112734     VOLUME   489753.184 3753634.558 503.15
   LOCATION L0112735     VOLUME   489770.282 3753624.118 502.80
   LOCATION L0112736     VOLUME   489787.380 3753613.678 502.57
   LOCATION L0112737     VOLUME   489804.477 3753603.238 502.20
   LOCATION L0112738     VOLUME   489821.575 3753592.797 501.52
   LOCATION L0112739     VOLUME   489838.673 3753582.357 500.82
   LOCATION L0112740     VOLUME   489855.771 3753571.917 501.11
   LOCATION L0112741     VOLUME   489872.869 3753561.477 502.19
   LOCATION L0112742     VOLUME   489889.966 3753551.036 503.33
   LOCATION L0112743     VOLUME   489907.064 3753540.596 504.24
   LOCATION L0112744     VOLUME   489924.162 3753530.156 504.09
   LOCATION L0112745     VOLUME   489941.260 3753519.716 503.77
   LOCATION L0112746     VOLUME   489958.358 3753509.275 502.90
   LOCATION L0112747     VOLUME   489975.455 3753498.835 501.70
   LOCATION L0112748     VOLUME   489992.553 3753488.395 500.88
   LOCATION L0112749     VOLUME   490009.651 3753477.955 500.59
   LOCATION L0112750     VOLUME   490026.749 3753467.514 500.58
   LOCATION L0112751     VOLUME   490043.847 3753457.074 500.24
   LOCATION L0112752     VOLUME   490060.944 3753446.634 500.80
   LOCATION L0112753     VOLUME   490078.042 3753436.194 501.90
   LOCATION L0112754     VOLUME   490095.140 3753425.753 502.60
** END OF LINE VOLUME SOURCE ID = SEGMENT30
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT31
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 10.10
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0815
** ELEVATED
** VERTICAL DIMENSION = 3.30
** SZINIT = 0.77
** NODES = 3
** 490099.77, 3753444.85, 504.00, 2.20, 9.38
** 490652.78, 3753118.08, 492.00, 2.20, 9.38
** 491195.72, 3752374.04, 463.00, 2.20, 9.38
** ----------------------------------------------------------------------
   LOCATION L0112755     VOLUME   490104.122 3753442.284 503.40
   LOCATION L0112756     VOLUME   490121.489 3753432.021 503.63
   LOCATION L0112757     VOLUME   490138.857 3753421.758 502.32
   LOCATION L0112758     VOLUME   490156.224 3753411.496 502.36
   LOCATION L0112759     VOLUME   490173.592 3753401.233 502.17
   LOCATION L0112760     VOLUME   490190.959 3753390.971 501.12
   LOCATION L0112761     VOLUME   490208.326 3753380.708 500.55
   LOCATION L0112762     VOLUME   490225.694 3753370.446 500.81
   LOCATION L0112763     VOLUME   490243.061 3753360.183 501.44
   LOCATION L0112764     VOLUME   490260.428 3753349.921 501.30
   LOCATION L0112765     VOLUME   490277.796 3753339.658 499.46
   LOCATION L0112766     VOLUME   490295.163 3753329.396 497.80
   LOCATION L0112767     VOLUME   490312.530 3753319.133 496.61
   LOCATION L0112768     VOLUME   490329.898 3753308.871 495.69
   LOCATION L0112769     VOLUME   490347.265 3753298.608 494.96
   LOCATION L0112770     VOLUME   490364.633 3753288.345 495.10
   LOCATION L0112771     VOLUME   490382.000 3753278.083 495.35
   LOCATION L0112772     VOLUME   490399.367 3753267.820 495.69
   LOCATION L0112773     VOLUME   490416.735 3753257.558 496.45
   LOCATION L0112774     VOLUME   490434.102 3753247.295 496.34
   LOCATION L0112775     VOLUME   490451.469 3753237.033 495.44
   LOCATION L0112776     VOLUME   490468.837 3753226.770 493.75
   LOCATION L0112777     VOLUME   490486.204 3753216.508 491.88
   LOCATION L0112778     VOLUME   490503.572 3753206.245 490.76
   LOCATION L0112779     VOLUME   490520.939 3753195.983 489.83
   LOCATION L0112780     VOLUME   490538.306 3753185.720 489.24
   LOCATION L0112781     VOLUME   490555.674 3753175.458 488.85
   LOCATION L0112782     VOLUME   490573.041 3753165.195 489.38
   LOCATION L0112783     VOLUME   490590.408 3753154.933 490.19
   LOCATION L0112784     VOLUME   490607.776 3753144.670 491.19
   LOCATION L0112785     VOLUME   490625.143 3753134.407 491.91
   LOCATION L0112786     VOLUME   490642.510 3753124.145 491.35
   LOCATION L0112787     VOLUME   490657.639 3753111.415 489.45
   LOCATION L0112788     VOLUME   490669.530 3753095.120 487.10
   LOCATION L0112789     VOLUME   490681.421 3753078.825 485.60
   LOCATION L0112790     VOLUME   490693.313 3753062.529 485.05
   LOCATION L0112791     VOLUME   490705.204 3753046.234 484.47
   LOCATION L0112792     VOLUME   490717.095 3753029.938 484.23
   LOCATION L0112793     VOLUME   490728.986 3753013.643 483.74
   LOCATION L0112794     VOLUME   490740.878 3752997.347 482.76
   LOCATION L0112795     VOLUME   490752.769 3752981.052 480.99
   LOCATION L0112796     VOLUME   490764.660 3752964.756 478.83
   LOCATION L0112797     VOLUME   490776.552 3752948.461 477.94
   LOCATION L0112798     VOLUME   490788.443 3752932.165 478.07
   LOCATION L0112799     VOLUME   490800.334 3752915.870 478.20
   LOCATION L0112800     VOLUME   490812.225 3752899.574 477.16
   LOCATION L0112801     VOLUME   490824.117 3752883.279 475.50
   LOCATION L0112802     VOLUME   490836.008 3752866.983 474.13
   LOCATION L0112803     VOLUME   490847.899 3752850.688 473.05
   LOCATION L0112804     VOLUME   490859.791 3752834.392 473.00
   LOCATION L0112805     VOLUME   490871.682 3752818.097 473.00
   LOCATION L0112806     VOLUME   490883.573 3752801.802 473.00
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   LOCATION L0112807     VOLUME   490895.464 3752785.506 472.85
   LOCATION L0112808     VOLUME   490907.356 3752769.211 472.31
   LOCATION L0112809     VOLUME   490919.247 3752752.915 471.99
   LOCATION L0112810     VOLUME   490931.138 3752736.620 472.37
   LOCATION L0112811     VOLUME   490943.030 3752720.324 472.77
   LOCATION L0112812     VOLUME   490954.921 3752704.029 473.02
   LOCATION L0112813     VOLUME   490966.812 3752687.733 472.59
   LOCATION L0112814     VOLUME   490978.703 3752671.438 472.05
   LOCATION L0112815     VOLUME   490990.595 3752655.142 471.50
   LOCATION L0112816     VOLUME   491002.486 3752638.847 471.02
   LOCATION L0112817     VOLUME   491014.377 3752622.551 471.67
   LOCATION L0112818     VOLUME   491026.269 3752606.256 472.36
   LOCATION L0112819     VOLUME   491038.160 3752589.960 472.23
   LOCATION L0112820     VOLUME   491050.051 3752573.665 471.24
   LOCATION L0112821     VOLUME   491061.942 3752557.370 470.66
   LOCATION L0112822     VOLUME   491073.834 3752541.074 470.78
   LOCATION L0112823     VOLUME   491085.725 3752524.779 471.04
   LOCATION L0112824     VOLUME   491097.616 3752508.483 470.72
   LOCATION L0112825     VOLUME   491109.508 3752492.188 468.29
   LOCATION L0112826     VOLUME   491121.399 3752475.892 465.65
   LOCATION L0112827     VOLUME   491133.290 3752459.597 463.99
   LOCATION L0112828     VOLUME   491145.181 3752443.301 464.01
   LOCATION L0112829     VOLUME   491157.073 3752427.006 464.32
   LOCATION L0112830     VOLUME   491168.964 3752410.710 461.87
   LOCATION L0112831     VOLUME   491180.855 3752394.415 460.34
   LOCATION L0112832     VOLUME   491192.747 3752378.119 460.52
** END OF LINE VOLUME SOURCE ID = SEGMENT31
   LOCATION PHASE2       AREAPOLY   485955.126  3753354.752      492.230
** SOURCE PARAMETERS **
   SRCPARAM PHASE1        9.69E-07     3.900        11
   AREAVERT PHASE1       485577.456 3755020.364 485577.456 3753474.160
   AREAVERT PHASE1       485908.786 3753474.160 485923.846 3753288.414
   AREAVERT PHASE1       486892.734 3753283.394 487138.721 3753248.253
   AREAVERT PHASE1       488479.099 3753223.153 488464.038 3754287.423
   AREAVERT PHASE1       488107.608 3754729.196 487153.781 3754759.316
   AREAVERT PHASE1       487138.721 3755010.324
** LINE VOLUME SOURCE ID = SEGMENT01
   SRCPARAM L0112172     0.1061666667      3.40     27.35      0.79
   SRCPARAM L0112173     0.1061666667      3.40     27.35      0.79
   SRCPARAM L0112174     0.1061666667      3.40     27.35      0.79
   SRCPARAM L0112175     0.1061666667      3.40     27.35      0.79
   SRCPARAM L0112176     0.1061666667      3.40     27.35      0.79
   SRCPARAM L0112177     0.1061666667      3.40     27.35      0.79
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT02
   SRCPARAM L0112178         0.131      3.40     30.03      0.79
   SRCPARAM L0112179         0.131      3.40     30.03      0.79
   SRCPARAM L0112180         0.131      3.40     30.03      0.79
   SRCPARAM L0112181         0.131      3.40     30.03      0.79
   SRCPARAM L0112182         0.131      3.40     30.03      0.79
   SRCPARAM L0112183         0.131      3.40     30.03      0.79
   SRCPARAM L0112184         0.131      3.40     30.03      0.79
   SRCPARAM L0112185         0.131      3.40     30.03      0.79
   SRCPARAM L0112186         0.131      3.40     30.03      0.79
   SRCPARAM L0112187         0.131      3.40     30.03      0.79
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT03
   SRCPARAM L0112188     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112189     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112190     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112191     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112192     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112193     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112194     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112195     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112196     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112197     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112198     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112199     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112200     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112201     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112202     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112203     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112204     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112205     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112206     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112207     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112208     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112209     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112210     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112211     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112212     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112213     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112214     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112215     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112216     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112217     0.0287096774      3.40     18.01      0.79
   SRCPARAM L0112218     0.0287096774      3.40     18.01      0.79
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT04
   SRCPARAM L0112219         0.0146      2.20     17.72      0.51
   SRCPARAM L0112220         0.0146      2.20     17.72      0.51
   SRCPARAM L0112221         0.0146      2.20     17.72      0.51
   SRCPARAM L0112222         0.0146      2.20     17.72      0.51
   SRCPARAM L0112223         0.0146      2.20     17.72      0.51
   SRCPARAM L0112224         0.0146      2.20     17.72      0.51
   SRCPARAM L0112225         0.0146      2.20     17.72      0.51
   SRCPARAM L0112226         0.0146      2.20     17.72      0.51
   SRCPARAM L0112227         0.0146      2.20     17.72      0.51
   SRCPARAM L0112228         0.0146      2.20     17.72      0.51
   SRCPARAM L0112229         0.0146      2.20     17.72      0.51
   SRCPARAM L0112230         0.0146      2.20     17.72      0.51
   SRCPARAM L0112231         0.0146      2.20     17.72      0.51
   SRCPARAM L0112232         0.0146      2.20     17.72      0.51
   SRCPARAM L0112233         0.0146      2.20     17.72      0.51
   SRCPARAM L0112234         0.0146      2.20     17.72      0.51
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   SRCPARAM L0112235        0.0146      2.20     17.72      0.51
   SRCPARAM L0112236        0.0146      2.20     17.72      0.51
   SRCPARAM L0112237        0.0146      2.20     17.72      0.51
   SRCPARAM L0112238        0.0146      2.20     17.72      0.51
   SRCPARAM L0112239        0.0146      2.20     17.72      0.51
   SRCPARAM L0112240        0.0146      2.20     17.72      0.51
   SRCPARAM L0112241        0.0146      2.20     17.72      0.51
   SRCPARAM L0112242        0.0146      2.20     17.72      0.51
   SRCPARAM L0112243        0.0146      2.20     17.72      0.51
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT05
   SRCPARAM L0112244     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112245     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112246     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112247     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112248     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112249     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112250     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112251     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112252     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112253     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112254     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112255     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112256     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112257     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112258     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112259     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112260     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112261     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112262     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112263     0.0217142857      2.10     24.05      0.49
   SRCPARAM L0112264     0.0217142857      2.10     24.05      0.49
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT06
   SRCPARAM L0112265     0.0531578947      3.30     29.19      0.77
   SRCPARAM L0112266     0.0531578947      3.30     29.19      0.77
   SRCPARAM L0112267     0.0531578947      3.30     29.19      0.77
   SRCPARAM L0112268     0.0531578947      3.30     29.19      0.77
   SRCPARAM L0112269     0.0531578947      3.30     29.19      0.77
   SRCPARAM L0112270     0.0531578947      3.30     29.19      0.77
   SRCPARAM L0112271     0.0531578947      3.30     29.19      0.77
   SRCPARAM L0112272     0.0531578947      3.30     29.19      0.77
   SRCPARAM L0112273     0.0531578947      3.30     29.19      0.77
   SRCPARAM L0112274     0.0531578947      3.30     29.19      0.77
   SRCPARAM L0112275     0.0531578947      3.30     29.19      0.77
   SRCPARAM L0112276     0.0531578947      3.30     29.19      0.77
   SRCPARAM L0112277     0.0531578947      3.30     29.19      0.77
   SRCPARAM L0112278     0.0531578947      3.30     29.19      0.77
   SRCPARAM L0112279     0.0531578947      3.30     29.19      0.77
   SRCPARAM L0112280     0.0531578947      3.30     29.19      0.77
   SRCPARAM L0112281     0.0531578947      3.30     29.19      0.77
   SRCPARAM L0112282     0.0531578947      3.30     29.19      0.77
   SRCPARAM L0112283     0.0531578947      3.30     29.19      0.77
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT07
   SRCPARAM L0112284     0.0113333333      3.20     29.21      0.74
   SRCPARAM L0112285     0.0113333333      3.20     29.21      0.74
   SRCPARAM L0112286     0.0113333333      3.20     29.21      0.74
   SRCPARAM L0112287     0.0113333333      3.20     29.21      0.74
   SRCPARAM L0112288     0.0113333333      3.20     29.21      0.74
   SRCPARAM L0112289     0.0113333333      3.20     29.21      0.74
   SRCPARAM L0112290     0.0113333333      3.20     29.21      0.74
   SRCPARAM L0112291     0.0113333333      3.20     29.21      0.74
   SRCPARAM L0112292     0.0113333333      3.20     29.21      0.74
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT08
   SRCPARAM L0112293          0.005      2.00     18.01      0.47
   SRCPARAM L0112294          0.005      2.00     18.01      0.47
   SRCPARAM L0112295          0.005      2.00     18.01      0.47
   SRCPARAM L0112296          0.005      2.00     18.01      0.47
   SRCPARAM L0112297          0.005      2.00     18.01      0.47
   SRCPARAM L0112298          0.005      2.00     18.01      0.47
   SRCPARAM L0112299          0.005      2.00     18.01      0.47
   SRCPARAM L0112300          0.005      2.00     18.01      0.47
   SRCPARAM L0112301          0.005      2.00     18.01      0.47
   SRCPARAM L0112302          0.005      2.00     18.01      0.47
   SRCPARAM L0112303          0.005      2.00     18.01      0.47
   SRCPARAM L0112304          0.005      2.00     18.01      0.47
   SRCPARAM L0112305          0.005      2.00     18.01      0.47
   SRCPARAM L0112306          0.005      2.00     18.01      0.47
   SRCPARAM L0112307          0.005      2.00     18.01      0.47
   SRCPARAM L0112308          0.005      2.00     18.01      0.47
   SRCPARAM L0112309          0.005      2.00     18.01      0.47
   SRCPARAM L0112310          0.005      2.00     18.01      0.47
   SRCPARAM L0112311          0.005      2.00     18.01      0.47
   SRCPARAM L0112312          0.005      2.00     18.01      0.47
   SRCPARAM L0112313          0.005      2.00     18.01      0.47
   SRCPARAM L0112314          0.005      2.00     18.01      0.47
   SRCPARAM L0112315          0.005      2.00     18.01      0.47
   SRCPARAM L0112316          0.005      2.00     18.01      0.47
   SRCPARAM L0112317          0.005      2.00     18.01      0.47
   SRCPARAM L0112318          0.005      2.00     18.01      0.47
   SRCPARAM L0112319          0.005      2.00     18.01      0.47
   SRCPARAM L0112320          0.005      2.00     18.01      0.47
   SRCPARAM L0112321          0.005      2.00     18.01      0.47
   SRCPARAM L0112322          0.005      2.00     18.01      0.47
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT11
   SRCPARAM L0110325            0.0      4.00     15.74      0.93
   SRCPARAM L0110326            0.0      4.00     15.74      0.93
   SRCPARAM L0110327            0.0      4.00     15.74      0.93
   SRCPARAM L0110328            0.0      4.00     15.74      0.93
   SRCPARAM L0110329            0.0      4.00     15.74      0.93
   SRCPARAM L0110330            0.0      4.00     15.74      0.93
   SRCPARAM L0110331            0.0      4.00     15.74      0.93
   SRCPARAM L0110332            0.0      4.00     15.74      0.93
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   SRCPARAM L0110333          0.0      4.00     15.74      0.93
   SRCPARAM L0110334          0.0      4.00     15.74      0.93
   SRCPARAM L0110335          0.0      4.00     15.74      0.93
   SRCPARAM L0110336          0.0      4.00     15.74      0.93
   SRCPARAM L0110337          0.0      4.00     15.74      0.93
   SRCPARAM L0110338          0.0      4.00     15.74      0.93
   SRCPARAM L0110339          0.0      4.00     15.74      0.93
   SRCPARAM L0110340          0.0      4.00     15.74      0.93
   SRCPARAM L0110341          0.0      4.00     15.74      0.93
   SRCPARAM L0110342          0.0      4.00     15.74      0.93
   SRCPARAM L0110343          0.0      4.00     15.74      0.93
   SRCPARAM L0110344          0.0      4.00     15.74      0.93
   SRCPARAM L0110345          0.0      4.00     15.74      0.93
   SRCPARAM L0110346          0.0      4.00     15.74      0.93
   SRCPARAM L0110347          0.0      4.00     15.74      0.93
   SRCPARAM L0110348          0.0      4.00     15.74      0.93
   SRCPARAM L0110349          0.0      4.00     15.74      0.93
   SRCPARAM L0110350          0.0      4.00     15.74      0.93
   SRCPARAM L0110351          0.0      4.00     15.74      0.93
   SRCPARAM L0110352          0.0      4.00     15.74      0.93
   SRCPARAM L0110353          0.0      4.00     15.74      0.93
   SRCPARAM L0110354          0.0      4.00     15.74      0.93
   SRCPARAM L0110355          0.0      4.00     15.74      0.93
   SRCPARAM L0110356          0.0      4.00     15.74      0.93
   SRCPARAM L0110357          0.0      4.00     15.74      0.93
   SRCPARAM L0110358          0.0      4.00     15.74      0.93
   SRCPARAM L0110359          0.0      4.00     15.74      0.93
   SRCPARAM L0110360          0.0      4.00     15.74      0.93
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT12
   SRCPARAM L0112323      0.000576      2.20     15.63      0.51
   SRCPARAM L0112324      0.000576      2.20     15.63      0.51
   SRCPARAM L0112325      0.000576      2.20     15.63      0.51
   SRCPARAM L0112326      0.000576      2.20     15.63      0.51
   SRCPARAM L0112327      0.000576      2.20     15.63      0.51
   SRCPARAM L0112328      0.000576      2.20     15.63      0.51
   SRCPARAM L0112329      0.000576      2.20     15.63      0.51
   SRCPARAM L0112330      0.000576      2.20     15.63      0.51
   SRCPARAM L0112331      0.000576      2.20     15.63      0.51
   SRCPARAM L0112332      0.000576      2.20     15.63      0.51
   SRCPARAM L0112333      0.000576      2.20     15.63      0.51
   SRCPARAM L0112334      0.000576      2.20     15.63      0.51
   SRCPARAM L0112335      0.000576      2.20     15.63      0.51
   SRCPARAM L0112336      0.000576      2.20     15.63      0.51
   SRCPARAM L0112337      0.000576      2.20     15.63      0.51
   SRCPARAM L0112338      0.000576      2.20     15.63      0.51
   SRCPARAM L0112339      0.000576      2.20     15.63      0.51
   SRCPARAM L0112340      0.000576      2.20     15.63      0.51
   SRCPARAM L0112341      0.000576      2.20     15.63      0.51
   SRCPARAM L0112342      0.000576      2.20     15.63      0.51
   SRCPARAM L0112343      0.000576      2.20     15.63      0.51
   SRCPARAM L0112344      0.000576      2.20     15.63      0.51
   SRCPARAM L0112345      0.000576      2.20     15.63      0.51
   SRCPARAM L0112346      0.000576      2.20     15.63      0.51
   SRCPARAM L0112347      0.000576      2.20     15.63      0.51
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT14
   SRCPARAM L0112348     0.0096666667      3.20     23.83      0.74
   SRCPARAM L0112349     0.0096666667      3.20     23.83      0.74
   SRCPARAM L0112350     0.0096666667      3.20     23.83      0.74
   SRCPARAM L0112351     0.0096666667      3.20     23.83      0.74
   SRCPARAM L0112352     0.0096666667      3.20     23.83      0.74
   SRCPARAM L0112353     0.0096666667      3.20     23.83      0.74
   SRCPARAM L0112354     0.0096666667      3.20     23.83      0.74
   SRCPARAM L0112355     0.0096666667      3.20     23.83      0.74
   SRCPARAM L0112356     0.0096666667      3.20     23.83      0.74
   SRCPARAM L0112357     0.0096666667      3.20     23.83      0.74
   SRCPARAM L0112358     0.0096666667      3.20     23.83      0.74
   SRCPARAM L0112359     0.0096666667      3.20     23.83      0.74
   SRCPARAM L0112360     0.0096666667      3.20     23.83      0.74
   SRCPARAM L0112361     0.0096666667      3.20     23.83      0.74
   SRCPARAM L0112362     0.0096666667      3.20     23.83      0.74
   SRCPARAM L0112363     0.0096666667      3.20     23.83      0.74
   SRCPARAM L0112364     0.0096666667      3.20     23.83      0.74
   SRCPARAM L0112365     0.0096666667      3.20     23.83      0.74
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT15
   SRCPARAM L0112366     0.0092666667      3.40     23.51      0.79
   SRCPARAM L0112367     0.0092666667      3.40     23.51      0.79
   SRCPARAM L0112368     0.0092666667      3.40     23.51      0.79
   SRCPARAM L0112369     0.0092666667      3.40     23.51      0.79
   SRCPARAM L0112370     0.0092666667      3.40     23.51      0.79
   SRCPARAM L0112371     0.0092666667      3.40     23.51      0.79
   SRCPARAM L0112372     0.0092666667      3.40     23.51      0.79
   SRCPARAM L0112373     0.0092666667      3.40     23.51      0.79
   SRCPARAM L0112374     0.0092666667      3.40     23.51      0.79
   SRCPARAM L0112375     0.0092666667      3.40     23.51      0.79
   SRCPARAM L0112376     0.0092666667      3.40     23.51      0.79
   SRCPARAM L0112377     0.0092666667      3.40     23.51      0.79
   SRCPARAM L0112378     0.0092666667      3.40     23.51      0.79
   SRCPARAM L0112379     0.0092666667      3.40     23.51      0.79
   SRCPARAM L0112380     0.0092666667      3.40     23.51      0.79
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT18
   SRCPARAM L0112381     0.00460625      3.30     23.38      0.77
   SRCPARAM L0112382     0.00460625      3.30     23.38      0.77
   SRCPARAM L0112383     0.00460625      3.30     23.38      0.77
   SRCPARAM L0112384     0.00460625      3.30     23.38      0.77
   SRCPARAM L0112385     0.00460625      3.30     23.38      0.77
   SRCPARAM L0112386     0.00460625      3.30     23.38      0.77
   SRCPARAM L0112387     0.00460625      3.30     23.38      0.77
   SRCPARAM L0112388     0.00460625      3.30     23.38      0.77
   SRCPARAM L0112389     0.00460625      3.30     23.38      0.77
   SRCPARAM L0112390     0.00460625      3.30     23.38      0.77
   SRCPARAM L0112391     0.00460625      3.30     23.38      0.77
   SRCPARAM L0112392     0.00460625      3.30     23.38      0.77
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   SRCPARAM L0112393     0.00460625      3.30     23.38      0.77
   SRCPARAM L0112394     0.00460625      3.30     23.38      0.77
   SRCPARAM L0112395     0.00460625      3.30     23.38      0.77
   SRCPARAM L0112396     0.00460625      3.30     23.38      0.77
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT18A
   SRCPARAM L0112397     0.0013769231      3.10     24.10      0.72
   SRCPARAM L0112398     0.0013769231      3.10     24.10      0.72
   SRCPARAM L0112399     0.0013769231      3.10     24.10      0.72
   SRCPARAM L0112400     0.0013769231      3.10     24.10      0.72
   SRCPARAM L0112401     0.0013769231      3.10     24.10      0.72
   SRCPARAM L0112402     0.0013769231      3.10     24.10      0.72
   SRCPARAM L0112403     0.0013769231      3.10     24.10      0.72
   SRCPARAM L0112404     0.0013769231      3.10     24.10      0.72
   SRCPARAM L0112405     0.0013769231      3.10     24.10      0.72
   SRCPARAM L0112406     0.0013769231      3.10     24.10      0.72
   SRCPARAM L0112407     0.0013769231      3.10     24.10      0.72
   SRCPARAM L0112408     0.0013769231      3.10     24.10      0.72
   SRCPARAM L0112409     0.0013769231      3.10     24.10      0.72
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT19
   SRCPARAM L0112410     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112411     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112412     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112413     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112414     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112415     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112416     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112417     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112418     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112419     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112420     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112421     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112422     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112423     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112424     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112425     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112426     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112427     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112428     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112429     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112430     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112431     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112432     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112433     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112434     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112435     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112436     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112437     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112438     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112439     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112440     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112441     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112442     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112443     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112444     0.0100277778      3.40     17.64      0.79
   SRCPARAM L0112445     0.0100277778      3.40     17.64      0.79
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT20
   SRCPARAM L0112446     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112447     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112448     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112449     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112450     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112451     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112452     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112453     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112454     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112455     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112456     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112457     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112458     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112459     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112460     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112461     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112462     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112463     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112464     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112465     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112466     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112467     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112468     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112469     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112470     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112471     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112472     0.0010857143      2.30     18.04      0.53
   SRCPARAM L0112473     0.0010857143      2.30     18.04      0.53
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** LINE VOLUME SOURCE ID = SEGMENT21
   SRCPARAM L0112474     0.0248571429      3.10     22.81      0.72
   SRCPARAM L0112475     0.0248571429      3.10     22.81      0.72
   SRCPARAM L0112476     0.0248571429      3.10     22.81      0.72
   SRCPARAM L0112477     0.0248571429      3.10     22.81      0.72
   SRCPARAM L0112478     0.0248571429      3.10     22.81      0.72
   SRCPARAM L0112479     0.0248571429      3.10     22.81      0.72
   SRCPARAM L0112480     0.0248571429      3.10     22.81      0.72
   SRCPARAM L0112481     0.0248571429      3.10     22.81      0.72
   SRCPARAM L0112482     0.0248571429      3.10     22.81      0.72
   SRCPARAM L0112483     0.0248571429      3.10     22.81      0.72
   SRCPARAM L0112484     0.0248571429      3.10     22.81      0.72
   SRCPARAM L0112485     0.0248571429      3.10     22.81      0.72
   SRCPARAM L0112486     0.0248571429      3.10     22.81      0.72
   SRCPARAM L0112487     0.0248571429      3.10     22.81      0.72
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT22
   SRCPARAM L0112488     0.0267857143      3.10     24.24      0.72
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   SRCPARAM L0112489     0.0267857143      3.10     24.24      0.72
   SRCPARAM L0112490     0.0267857143      3.10     24.24      0.72
   SRCPARAM L0112491     0.0267857143      3.10     24.24      0.72
   SRCPARAM L0112492     0.0267857143      3.10     24.24      0.72
   SRCPARAM L0112493     0.0267857143      3.10     24.24      0.72
   SRCPARAM L0112494     0.0267857143      3.10     24.24      0.72
   SRCPARAM L0112495     0.0267857143      3.10     24.24      0.72
   SRCPARAM L0112496     0.0267857143      3.10     24.24      0.72
   SRCPARAM L0112497     0.0267857143      3.10     24.24      0.72
   SRCPARAM L0112498     0.0267857143      3.10     24.24      0.72
   SRCPARAM L0112499     0.0267857143      3.10     24.24      0.72
   SRCPARAM L0112500     0.0267857143      3.10     24.24      0.72
   SRCPARAM L0112501     0.0267857143      3.10     24.24      0.72
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT23
   SRCPARAM L0112502     0.0135833333      3.20     18.10      0.74
   SRCPARAM L0112503     0.0135833333      3.20     18.10      0.74
   SRCPARAM L0112504     0.0135833333      3.20     18.10      0.74
   SRCPARAM L0112505     0.0135833333      3.20     18.10      0.74
   SRCPARAM L0112506     0.0135833333      3.20     18.10      0.74
   SRCPARAM L0112507     0.0135833333      3.20     18.10      0.74
   SRCPARAM L0112508     0.0135833333      3.20     18.10      0.74
   SRCPARAM L0112509     0.0135833333      3.20     18.10      0.74
   SRCPARAM L0112510     0.0135833333      3.20     18.10      0.74
   SRCPARAM L0112511     0.0135833333      3.20     18.10      0.74
   SRCPARAM L0112512     0.0135833333      3.20     18.10      0.74
   SRCPARAM L0112513     0.0135833333      3.20     18.10      0.74
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** LINE VOLUME SOURCE ID = SEGMENT24
   SRCPARAM L0112514     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112515     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112516     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112517     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112518     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112519     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112520     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112521     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112522     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112523     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112524     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112525     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112526     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112527     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112528     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112529     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112530     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112531     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112532     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112533     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112534     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112535     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112536     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112537     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112538     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112539     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112540     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112541     0.0084827586      2.80     23.53      0.65
   SRCPARAM L0112542     0.0084827586      2.80     23.53      0.65
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT25
   SRCPARAM L0112543         0.019      3.10     22.24      0.72
   SRCPARAM L0112544         0.019      3.10     22.24      0.72
   SRCPARAM L0112545         0.019      3.10     22.24      0.72
   SRCPARAM L0112546         0.019      3.10     22.24      0.72
   SRCPARAM L0112547         0.019      3.10     22.24      0.72
   SRCPARAM L0112548         0.019      3.10     22.24      0.72
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT26
   SRCPARAM L0112549     0.0103076923      3.30     15.51      0.77
   SRCPARAM L0112550     0.0103076923      3.30     15.51      0.77
   SRCPARAM L0112551     0.0103076923      3.30     15.51      0.77
   SRCPARAM L0112552     0.0103076923      3.30     15.51      0.77
   SRCPARAM L0112553     0.0103076923      3.30     15.51      0.77
   SRCPARAM L0112554     0.0103076923      3.30     15.51      0.77
   SRCPARAM L0112555     0.0103076923      3.30     15.51      0.77
   SRCPARAM L0112556     0.0103076923      3.30     15.51      0.77
   SRCPARAM L0112557     0.0103076923      3.30     15.51      0.77
   SRCPARAM L0112558     0.0103076923      3.30     15.51      0.77
   SRCPARAM L0112559     0.0103076923      3.30     15.51      0.77
   SRCPARAM L0112560     0.0103076923      3.30     15.51      0.77
   SRCPARAM L0112561     0.0103076923      3.30     15.51      0.77
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT27
   SRCPARAM L0112562     0.0076636364      3.30     15.35      0.77
   SRCPARAM L0112563     0.0076636364      3.30     15.35      0.77
   SRCPARAM L0112564     0.0076636364      3.30     15.35      0.77
   SRCPARAM L0112565     0.0076636364      3.30     15.35      0.77
   SRCPARAM L0112566     0.0076636364      3.30     15.35      0.77
   SRCPARAM L0112567     0.0076636364      3.30     15.35      0.77
   SRCPARAM L0112568     0.0076636364      3.30     15.35      0.77
   SRCPARAM L0112569     0.0076636364      3.30     15.35      0.77
   SRCPARAM L0112570     0.0076636364      3.30     15.35      0.77
   SRCPARAM L0112571     0.0076636364      3.30     15.35      0.77
   SRCPARAM L0112572     0.0076636364      3.30     15.35      0.77
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT28
   SRCPARAM L0112573     0.0046590909      3.20     15.60      0.74
   SRCPARAM L0112574     0.0046590909      3.20     15.60      0.74
   SRCPARAM L0112575     0.0046590909      3.20     15.60      0.74
   SRCPARAM L0112576     0.0046590909      3.20     15.60      0.74
   SRCPARAM L0112577     0.0046590909      3.20     15.60      0.74
   SRCPARAM L0112578     0.0046590909      3.20     15.60      0.74
   SRCPARAM L0112579     0.0046590909      3.20     15.60      0.74
   SRCPARAM L0112580     0.0046590909      3.20     15.60      0.74
   SRCPARAM L0112581     0.0046590909      3.20     15.60      0.74
   SRCPARAM L0112582     0.0046590909      3.20     15.60      0.74
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   SRCPARAM L0112583     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112584     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112585     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112586     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112587     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112588     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112589     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112590     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112591     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112592     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112593     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112594     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112595     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112596     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112597     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112598     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112599     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112600     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112601     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112602     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112603     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112604     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112605     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112606     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112607     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112608     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112609     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112610     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112611     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112612     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112613     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112614     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112615     0.0046590909      3.20      15.60      0.74
   SRCPARAM L0112616     0.0046590909      3.20      15.60      0.74
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** LINE VOLUME SOURCE ID = SEGMENT29
   SRCPARAM L0112617     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112618     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112619     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112620     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112621     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112622     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112623     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112624     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112625     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112626     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112627     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112628     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112629     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112630     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112631     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112632     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112633     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112634     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112635     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112636     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112637     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112638     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112639     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112640     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112641     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112642     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112643     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112644     0.0059655172      3.40       9.20      0.79
   SRCPARAM L0112645     0.0059655172      3.40       9.20      0.79
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** LINE VOLUME SOURCE ID = SEGMENT30
   SRCPARAM L0112646     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112647     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112648     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112649     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112650     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112651     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112652     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112653     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112654     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112655     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112656     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112657     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112658     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112659     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112660     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112661     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112662     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112663     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112664     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112665     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112666     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112667     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112668     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112669     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112670     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112671     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112672     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112673     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112674     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112675     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112676     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112677     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112678     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112679     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112680     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112681     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112682     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112683     0.0065045872      3.40       9.32      0.79
   SRCPARAM L0112684     0.0065045872      3.40       9.32      0.79
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   SRCPARAM L0112685     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112686     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112687     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112688     0.0065045872      3.40      9.32      0.79
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   SRCPARAM L0112691     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112692     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112693     0.0065045872      3.40      9.32      0.79
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   SRCPARAM L0112696     0.0065045872      3.40      9.32      0.79
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   SRCPARAM L0112700     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112701     0.0065045872      3.40      9.32      0.79
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   SRCPARAM L0112706     0.0065045872      3.40      9.32      0.79
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   SRCPARAM L0112712     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112713     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112714     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112715     0.0065045872      3.40      9.32      0.79
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   SRCPARAM L0112718     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112719     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112720     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112721     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112722     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112723     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112724     0.0065045872      3.40      9.32      0.79
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   SRCPARAM L0112726     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112727     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112728     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112729     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112730     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112731     0.0065045872      3.40      9.32      0.79
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   SRCPARAM L0112744     0.0065045872      3.40      9.32      0.79
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   SRCPARAM L0112747     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112748     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112749     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112750     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112751     0.0065045872      3.40      9.32      0.79
   SRCPARAM L0112752     0.0065045872      3.40      9.32      0.79
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   SRCPARAM L0112754     0.0065045872      3.40      9.32      0.79
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** LINE VOLUME SOURCE ID = SEGMENT31
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   SRCPARAM L0112756     0.0010448718      2.20      9.38      0.77
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   SRCPARAM L0112760     0.0010448718      2.20      9.38      0.77
   SRCPARAM L0112761     0.0010448718      2.20      9.38      0.77
   SRCPARAM L0112762     0.0010448718      2.20      9.38      0.77
   SRCPARAM L0112763     0.0010448718      2.20      9.38      0.77
   SRCPARAM L0112764     0.0010448718      2.20      9.38      0.77
   SRCPARAM L0112765     0.0010448718      2.20      9.38      0.77
   SRCPARAM L0112766     0.0010448718      2.20      9.38      0.77
   SRCPARAM L0112767     0.0010448718      2.20      9.38      0.77
   SRCPARAM L0112768     0.0010448718      2.20      9.38      0.77
   SRCPARAM L0112769     0.0010448718      2.20      9.38      0.77
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   SRCPARAM L0112771     0.0010448718      2.20      9.38      0.77
   SRCPARAM L0112772     0.0010448718      2.20      9.38      0.77
   SRCPARAM L0112773     0.0010448718      2.20      9.38      0.77
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   SRCPARAM L0112775     0.0010448718      2.20      9.38      0.77
   SRCPARAM L0112776     0.0010448718      2.20      9.38      0.77
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   SRCPARAM L0112779     0.0010448718      2.20      9.38      0.77
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   SRCPARAM L0112783     0.0010448718      2.20      9.38      0.77
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   SRCPARAM L0112785     0.0010448718      2.20      9.38      0.77
   SRCPARAM L0112786     0.0010448718      2.20      9.38      0.77
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   SRCPARAM L0112788     0.0010448718      2.20      9.38      0.77
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   SRCPARAM L0112830     0.0010448718      2.20      9.38      0.77
   SRCPARAM L0112831     0.0010448718      2.20      9.38      0.77
   SRCPARAM L0112832     0.0010448718      2.20      9.38      0.77
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   SRCPARAM PHASE2        9.02E-07     4.100        24
   AREAVERT PHASE2       485955.126 3753354.752 485960.607 3752757.752
   AREAVERT PHASE2       487265.046 3752735.752 487270.339 3752537.752
   AREAVERT PHASE2       488306.339 3752532.752 488311.339 3752861.752
   AREAVERT PHASE2       489243.339 3752833.752 489248.339 3752439.752
   AREAVERT PHASE2       491062.339 3752444.752 490854.339 3752883.752
   AREAVERT PHASE2       490487.339 3753222.752 488733.750 3754233.804
   AREAVERT PHASE2       488611.086 3754487.983 488405.339 3754467.752
   AREAVERT PHASE2       487997.339 3755020.752 487759.339 3755283.752
   AREAVERT PHASE2       487242.339 3755300.752 487234.339 3755007.752
   AREAVERT PHASE2       487990.339 3755019.752 488170.339 3754780.752
   AREAVERT PHASE2       488472.339 3754353.752 488465.339 3753305.752
   AREAVERT PHASE2       487133.339 3753283.752 486826.339 3753359.752
   URBANSRC ALL
** OLM SOURCE GROUPS FOR COMBINED PLUMES
   OLMGROUP ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD RECEPTOR PATHWAY
****************************************
**
**
RE STARTING
   INCLUDED AERMOD_LST_NOX_2012_NR.ROU
RE FINISHED
**
****************************************
** AERMOD METEOROLOGY PATHWAY
****************************************
**
**
ME STARTING
   SURFFILE RIVR2.SFC
   PROFFILE RIVR2.PFL
   SURFDATA 00002 2005
   UAIRDATA 3190 2005
   PROFBASE 250.0 METERS
ME FINISHED
**
****************************************
** AERMOD OUTPUT PATHWAY
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST 8TH
   RECTABLE 1 1ST 8TH
** AUTO-GENERATED PLOTFILES
   PLOTFILE   1 ALL 1ST AERMOD_LST_NOX_2012_NR.AD\01H1GALL.PLT 31
   PLOTFILE   1 ALL 8TH AERMOD_LST_NOX_2012_NR.AD\01H8GALL.PLT 32
   PLOTFILE   ANNUAL ALL AERMOD_LST_NOX_2012_NR.AD\AN00GALL.PLT 33
   MXDYBYYR ALL AERMOD_LST_NOX_2012_NR.AD\MXDYBYYR_ALL_NO2.DAT 34
   SUMMFILE AERMOD_LST_NOX_2012_NR.SUM
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------
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A Total of           0 Fatal Error Message(s)
A Total of          38 Warning Message(s)
A Total of           0 Informational Message(s)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
CO W361      31 COCARD:Multiyear PERIOD/ANNUAL values for NO2/SO2 require MULTYEAR Opt
SO W320    1370  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1371  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1372  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1373  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1374  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1375  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1376  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1377  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1378  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1379  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1380  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1381  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1382  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1383  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1384  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1385  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1386  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1387  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1388  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1389  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1390  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1391  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1392  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1393  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1394  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1395  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1396  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1397  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1398  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1399  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1400  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1401  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1402  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1403  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1404  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1405  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
ME W530    1992 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

***********************************
*** SETUP Finishes Successfully ***
***********************************

♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE   1
**MODELOPTs:  NonDFAULT CONC                                                ELEV
                        FASTALL                                                          OLM

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - -
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**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs External File(s) of Maximum Daily 1-hr Values by Year (MXDYBYYR Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   250.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                              ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =     14.6 MB of RAM.

**Detailed Error/Message File:   dat98EA.tmp
**File for Summary of Results:   AERMOD_LST_NOX_2012_NR.SUM
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE   2
**MODELOPTS:  NonDFAULT CONC                                                  ELEV
                        FASTALL                                                        OLM


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.   URBAN  EMISSION RATE
  SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ     SOURCE  SCALAR VARY
    ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)              BY
- - - -
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L0112230	0	0.14600E-01	486001.5	3753874.4	502.2	2.20	17.72	0.51	YES
L0112231	0	0.14600E-01	486001.2	3753836.3	500.9	2.20	17.72	0.51	YES
L0112232	0	0.14600E-01	486000.8	3753798.2	499.6	2.20	17.72	0.51	YES
L0112233	0	0.14600E-01	486000.4	3753760.2	499.7	2.20	17.72	0.51	YES
L0112234	0	0.14600E-01	486000.0	3753722.1	501.9	2.20	17.72	0.51	YES
L0112235	0	0.14600E-01	485999.6	3753684.0	501.6	2.20	17.72	0.51	YES
L0112236	0	0.14600E-01	485999.3	3753645.9	499.0	2.20	17.72	0.51	YES
L0112237	0	0.14600E-01	485998.9	3753607.8	496.5	2.20	17.72	0.51	YES
L0112238	0	0.14600E-01	485998.5	3753569.7	496.0	2.20	17.72	0.51	YES
L0112239	0	0.14600E-01	485998.1	3753531.6	496.5	2.20	17.72	0.51	YES
L0112240	0	0.14600E-01	486006.9	3753496.0	495.3	2.20	17.72	0.51	YES
L0112241	0	0.14600E-01	486026.7	3753463.5	492.8	2.20	17.72	0.51	YES
L0112242	0	0.14600E-01	486046.5	3753431.0	491.4	2.20	17.72	0.51	YES
L0112243	0	0.14600E-01	486066.3	3753398.4	492.3	2.20	17.72	0.51	YES
L0112244	0	0.21714E-01	486083.6	3753385.4	493.6	2.10	24.05	0.49	YES
L0112245	0	0.21714E-01	486132.0	3753367.1	494.7	2.10	24.05	0.49	YES
L0112246	0	0.21714E-01	486182.6	3753360.8	493.9	2.10	24.05	0.49	YES
L0112247	0	0.21714E-01	486234.3	3753360.1	492.2	2.10	24.05	0.49	YES
L0112248	0	0.21714E-01	486286.0	3753359.4	493.5	2.10	24.05	0.49	YES
L0112249	0	0.21714E-01	486337.7	3753358.7	494.0	2.10	24.05	0.49	YES
L0112250	0	0.21714E-01	486389.4	3753358.0	493.9	2.10	24.05	0.49	YES
L0112251	0	0.21714E-01	486441.1	3753357.4	497.5	2.10	24.05	0.49	YES

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112252	0	0.21714E-01	486492.9	3753356.7	495.6	2.10	24.05	0.49	YES	
L0112253	0	0.21714E-01	486544.6	3753356.0	494.9	2.10	24.05	0.49	YES	
L0112254	0	0.21714E-01	486596.3	3753355.3	494.1	2.10	24.05	0.49	YES	
L0112255	0	0.21714E-01	486648.0	3753354.6	495.0	2.10	24.05	0.49	YES	
L0112256	0	0.21714E-01	486699.7	3753353.9	494.6	2.10	24.05	0.49	YES	
L0112257	0	0.21714E-01	486751.2	3753351.7	494.7	2.10	24.05	0.49	YES	
L0112258	0	0.21714E-01	486801.8	3753341.0	492.7	2.10	24.05	0.49	YES	
L0112259	0	0.21714E-01	486852.4	3753330.4	491.0	2.10	24.05	0.49	YES	
L0112260	0	0.21714E-01	486903.0	3753319.8	491.7	2.10	24.05	0.49	YES	
L0112261	0	0.21714E-01	486953.6	3753309.2	491.4	2.10	24.05	0.49	YES	
L0112262	0	0.21714E-01	487004.2	3753298.6	492.0	2.10	24.05	0.49	YES	
L0112263	0	0.21714E-01	487054.8	3753288.0	490.8	2.10	24.05	0.49	YES	
L0112264	0	0.21714E-01	487105.5	3753277.3	489.2	2.10	24.05	0.49	YES	
L0112265	0	0.53158E-01	487123.3	3754433.6	507.4	3.30	29.19	0.77	YES	
L0112266	0	0.53158E-01	487122.3	3754370.9	509.6	3.30	29.19	0.77	YES	
L0112267	0	0.53158E-01	487121.3	3754308.1	508.2	3.30	29.19	0.77	YES	
L0112268	0	0.53158E-01	487120.3	3754245.4	509.8	3.30	29.19	0.77	YES	
L0112269	0	0.53158E-01	487119.3	3754182.7	507.2	3.30	29.19	0.77	YES	
L0112270	0	0.53158E-01	487118.3	3754119.9	505.1	3.30	29.19	0.77	YES	
L0112271	0	0.53158E-01	487117.3	3754057.2	504.8	3.30	29.19	0.77	YES	
L0112272	0	0.53158E-01	487116.3	3753994.4	501.9	3.30	29.19	0.77	YES	
L0112273	0	0.53158E-01	487115.3	3753931.7	501.0	3.30	29.19	0.77	YES	
L0112274	0	0.53158E-01	487114.3	3753868.9	501.0	3.30	29.19	0.77	YES	
L0112275	0	0.53158E-01	487113.4	3753806.2	496.9	3.30	29.19	0.77	YES	
L0112276	0	0.53158E-01	487112.4	3753743.4	499.2	3.30	29.19	0.77	YES	
L0112277	0	0.53158E-01	487111.4	3753680.7	498.7	3.30	29.19	0.77	YES	
L0112278	0	0.53158E-01	487110.4	3753618.0	497.6	3.30	29.19	0.77	YES	
L0112279	0	0.53158E-01	487109.4	3753555.2	496.0	3.30	29.19	0.77	YES	
L0112280	0	0.53158E-01	487108.4	3753492.5	496.0	3.30	29.19	0.77	YES	
L0112281	0	0.53158E-01	487107.4	3753429.7	494.7	3.30	29.19	0.77	YES	
L0112282	0	0.53158E-01	487106.4	3753367.0	489.3	3.30	29.19	0.77	YES	
L0112283	0	0.53158E-01	487105.4	3753304.2	489.1	3.30	29.19	0.77	YES	
L0112284	0	0.11333E-01	487102.6	3753284.4	489.2	3.20	29.21	0.74	YES	
L0112285	0	0.11333E-01	487102.9	3753221.6	489.6	3.20	29.21	0.74	YES	
L0112286	0	0.11333E-01	487103.2	3753158.8	486.8	3.20	29.21	0.74	YES	
L0112287	0	0.11333E-01	487103.5	3753096.1	485.8	3.20	29.21	0.74	YES	
L0112288	0	0.11333E-01	487103.8	3753033.3	485.0	3.20	29.21	0.74	YES	
L0112289	0	0.11333E-01	487104.2	3752970.5	487.0	3.20	29.21	0.74	YES	
L0112290	0	0.11333E-01	487104.5	3752907.7	484.9	3.20	29.21	0.74	YES	
L0112291	0	0.11333E-01	487104.8	3752844.9	483.2	3.20	29.21	0.74	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112292	0	0.11333E-01	487105.1	3752782.1	483.7	3.20	29.21	0.74	YES	
L0112293	0	0.50000E-02	486069.9	3753383.9	492.7	2.00	18.01	0.47	YES	
L0112294	0	0.50000E-02	486053.5	3753348.8	491.3	2.00	18.01	0.47	YES	
L0112295	0	0.50000E-02	486037.1	3753313.7	490.5	2.00	18.01	0.47	YES	
L0112296	0	0.50000E-02	486020.7	3753278.6	490.3	2.00	18.01	0.47	YES	
L0112297	0	0.50000E-02	486004.3	3753243.5	490.0	2.00	18.01	0.47	YES	
L0112298	0	0.50000E-02	485987.9	3753208.5	489.6	2.00	18.01	0.47	YES	
L0112299	0	0.50000E-02	485979.1	3753171.6	489.0	2.00	18.01	0.47	YES	
L0112300	0	0.50000E-02	485978.3	3753132.9	488.1	2.00	18.01	0.47	YES	
L0112301	0	0.50000E-02	485977.4	3753094.2	488.2	2.00	18.01	0.47	YES	
L0112302	0	0.50000E-02	485976.6	3753055.4	489.4	2.00	18.01	0.47	YES	
L0112303	0	0.50000E-02	485975.7	3753016.7	490.1	2.00	18.01	0.47	YES	
L0112304	0	0.50000E-02	485974.9	3752978.0	490.0	2.00	18.01	0.47	YES	
L0112305	0	0.50000E-02	485974.0	3752939.3	489.0	2.00	18.01	0.47	YES	
L0112306	0	0.50000E-02	485973.2	3752900.6	489.0	2.00	18.01	0.47	YES	
L0112307	0	0.50000E-02	485972.3	3752861.8	489.0	2.00	18.01	0.47	YES	

L0112308	0	0.50000E-02	485971.5	3752823.1	489.0	2.00	18.01	0.47	YES
L0112309	0	0.50000E-02	485970.6	3752784.4	488.8	2.00	18.01	0.47	YES
L0112310	0	0.50000E-02	485969.8	3752745.7	487.0	2.00	18.01	0.47	YES
L0112311	0	0.50000E-02	485968.9	3752707.0	485.2	2.00	18.01	0.47	YES
L0112312	0	0.50000E-02	485968.1	3752668.2	486.2	2.00	18.01	0.47	YES
L0112313	0	0.50000E-02	485967.2	3752629.5	488.8	2.00	18.01	0.47	YES
L0112314	0	0.50000E-02	485966.4	3752590.8	490.1	2.00	18.01	0.47	YES
L0112315	0	0.50000E-02	485965.5	3752552.1	495.2	2.00	18.01	0.47	YES
L0112316	0	0.50000E-02	485964.7	3752513.4	496.4	2.00	18.01	0.47	YES
L0112317	0	0.50000E-02	485963.8	3752474.7	496.1	2.00	18.01	0.47	YES
L0112318	0	0.50000E-02	485963.0	3752435.9	496.4	2.00	18.01	0.47	YES
L0112319	0	0.50000E-02	485962.1	3752397.2	498.8	2.00	18.01	0.47	YES
L0112320	0	0.50000E-02	485961.3	3752358.5	500.1	2.00	18.01	0.47	YES
L0112321	0	0.50000E-02	485960.4	3752319.8	500.7	2.00	18.01	0.47	YES
L0112322	0	0.50000E-02	485959.6	3752281.1	501.9	2.00	18.01	0.47	YES
L0110325	0	0.00000E+00	485510.8	3754267.3	514.2	4.00	15.74	0.93	YES
L0110326	0	0.00000E+00	485510.8	3754233.4	512.2	4.00	15.74	0.93	YES
L0110327	0	0.00000E+00	485510.8	3754199.6	512.1	4.00	15.74	0.93	YES
L0110328	0	0.00000E+00	485510.7	3754165.8	512.7	4.00	15.74	0.93	YES
L0110329	0	0.00000E+00	485510.7	3754131.9	512.2	4.00	15.74	0.93	YES
L0110330	0	0.00000E+00	485510.7	3754098.1	510.5	4.00	15.74	0.93	YES
L0110331	0	0.00000E+00	485510.6	3754064.2	508.4	4.00	15.74	0.93	YES
L0110332	0	0.00000E+00	485510.6	3754030.4	506.5	4.00	15.74	0.93	YES
L0110333	0	0.00000E+00	485510.5	3753996.6	505.5	4.00	15.74	0.93	YES

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0110334	0	0.00000E+00	485510.5	3753962.7	505.3	4.00	15.74	0.93	YES	
L0110335	0	0.00000E+00	485510.5	3753928.9	504.3	4.00	15.74	0.93	YES	
L0110336	0	0.00000E+00	485510.4	3753895.1	502.5	4.00	15.74	0.93	YES	
L0110337	0	0.00000E+00	485510.4	3753861.2	501.8	4.00	15.74	0.93	YES	
L0110338	0	0.00000E+00	485510.4	3753827.4	501.9	4.00	15.74	0.93	YES	
L0110339	0	0.00000E+00	485510.3	3753793.6	502.2	4.00	15.74	0.93	YES	
L0110340	0	0.00000E+00	485510.3	3753759.7	504.4	4.00	15.74	0.93	YES	
L0110341	0	0.00000E+00	485510.3	3753725.9	505.0	4.00	15.74	0.93	YES	
L0110342	0	0.00000E+00	485510.2	3753692.0	505.0	4.00	15.74	0.93	YES	
L0110343	0	0.00000E+00	485510.2	3753658.2	502.6	4.00	15.74	0.93	YES	
L0110344	0	0.00000E+00	485510.1	3753624.4	500.4	4.00	15.74	0.93	YES	
L0110345	0	0.00000E+00	485510.1	3753590.5	499.4	4.00	15.74	0.93	YES	
L0110346	0	0.00000E+00	485510.1	3753556.7	500.0	4.00	15.74	0.93	YES	
L0110347	0	0.00000E+00	485510.0	3753522.9	499.8	4.00	15.74	0.93	YES	
L0110348	0	0.00000E+00	485510.0	3753489.0	498.4	4.00	15.74	0.93	YES	
L0110349	0	0.00000E+00	485510.0	3753455.2	498.0	4.00	15.74	0.93	YES	
L0110350	0	0.00000E+00	485509.9	3753421.4	498.0	4.00	15.74	0.93	YES	
L0110351	0	0.00000E+00	485509.9	3753387.5	497.3	4.00	15.74	0.93	YES	
L0110352	0	0.00000E+00	485509.8	3753353.7	496.8	4.00	15.74	0.93	YES	
L0110353	0	0.00000E+00	485509.8	3753319.8	495.6	4.00	15.74	0.93	YES	
L0110354	0	0.00000E+00	485509.8	3753286.0	494.2	4.00	15.74	0.93	YES	
L0110355	0	0.00000E+00	485509.7	3753252.2	493.9	4.00	15.74	0.93	YES	
L0110356	0	0.00000E+00	485509.7	3753218.3	494.7	4.00	15.74	0.93	YES	
L0110357	0	0.00000E+00	485509.7	3753184.5	494.2	4.00	15.74	0.93	YES	
L0110358	0	0.00000E+00	485509.6	3753150.7	491.7	4.00	15.74	0.93	YES	
L0110359	0	0.00000E+00	485509.6	3753116.8	490.8	4.00	15.74	0.93	YES	
L0110360	0	0.00000E+00	485509.6	3753083.0	491.6	4.00	15.74	0.93	YES	
L0112323	0	0.57600E-03	485533.3	3755083.2	531.2	2.20	15.63	0.51	YES	
L0112324	0	0.57600E-03	485532.5	3755049.6	528.8	2.20	15.63	0.51	YES	
L0112325	0	0.57600E-03	485531.8	3755016.0	528.2	2.20	15.63	0.51	YES	
L0112326	0	0.57600E-03	485531.1	3754982.4	528.0	2.20	15.63	0.51	YES	
L0112327	0	0.57600E-03	485530.4	3754948.8	526.6	2.20	15.63	0.51	YES	
L0112328	0	0.57600E-03	485529.7	3754915.2	525.4	2.20	15.63	0.51	YES	
L0112329	0	0.57600E-03	485528.9	3754881.6	522.9	2.20	15.63	0.51	YES	
L0112330	0	0.57600E-03	485528.2	3754848.0	520.4	2.20	15.63	0.51	YES	
L0112331	0	0.57600E-03	485527.5	3754814.4	523.2	2.20	15.63	0.51	YES	
L0112332	0	0.57600E-03	485526.8	3754780.8	526.0	2.20	15.63	0.51	YES	
L0112333	0	0.57600E-03	485526.0	3754747.2	526.7	2.20	15.63	0.51	YES	
L0112334	0	0.57600E-03	485525.3	3754713.6	524.2	2.20	15.63	0.51	YES	
L0112335	0	0.57600E-03	485524.6	3754680.1	521.8	2.20	15.63	0.51	YES	

**MODELOPTs: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112336	0	0.57600E-03	485523.9	3754646.5	521.8	2.20	15.63	0.51	YES	
L0112337	0	0.57600E-03	485523.2	3754612.9	522.1	2.20	15.63	0.51	YES	
L0112338	0	0.57600E-03	485522.4	3754579.3	522.2	2.20	15.63	0.51	YES	
L0112339	0	0.57600E-03	485521.7	3754545.7	519.1	2.20	15.63	0.51	YES	
L0112340	0	0.57600E-03	485521.0	3754512.1	515.2	2.20	15.63	0.51	YES	
L0112341	0	0.57600E-03	485520.3	3754478.5	514.7	2.20	15.63	0.51	YES	
L0112342	0	0.57600E-03	485519.5	3754444.9	516.7	2.20	15.63	0.51	YES	
L0112343	0	0.57600E-03	485518.8	3754411.3	517.0	2.20	15.63	0.51	YES	
L0112344	0	0.57600E-03	485518.1	3754377.7	516.0	2.20	15.63	0.51	YES	
L0112345	0	0.57600E-03	485517.4	3754344.1	515.1	2.20	15.63	0.51	YES	
L0112346	0	0.57600E-03	485516.7	3754310.5	515.0	2.20	15.63	0.51	YES	
L0112347	0	0.57600E-03	485515.9	3754276.9	514.6	2.20	15.63	0.51	YES	
L0112348	0	0.96667E-02	485516.8	3755054.2	529.9	3.20	23.83	0.74	YES	
L0112349	0	0.96667E-02	485568.1	3755054.0	528.6	3.20	23.83	0.74	YES	

L0112350	0	0.96667E-02	485619.3	3755053.8	530.8	3.20	23.83	0.74	YES
L0112351	0	0.96667E-02	485670.5	3755053.6	532.5	3.20	23.83	0.74	YES
L0112352	0	0.96667E-02	485721.7	3755053.4	534.2	3.20	23.83	0.74	YES
L0112353	0	0.96667E-02	485773.0	3755053.2	531.1	3.20	23.83	0.74	YES
L0112354	0	0.96667E-02	485824.2	3755053.0	529.5	3.20	23.83	0.74	YES
L0112355	0	0.96667E-02	485875.4	3755052.8	529.8	3.20	23.83	0.74	YES
L0112356	0	0.96667E-02	485926.7	3755052.6	530.9	3.20	23.83	0.74	YES
L0112357	0	0.96667E-02	485977.9	3755052.4	529.7	3.20	23.83	0.74	YES
L0112358	0	0.96667E-02	486029.1	3755052.2	529.4	3.20	23.83	0.74	YES
L0112359	0	0.96667E-02	486080.4	3755052.0	529.5	3.20	23.83	0.74	YES
L0112360	0	0.96667E-02	486131.6	3755051.8	529.5	3.20	23.83	0.74	YES
L0112361	0	0.96667E-02	486182.8	3755051.6	530.3	3.20	23.83	0.74	YES
L0112362	0	0.96667E-02	486234.0	3755051.3	527.4	3.20	23.83	0.74	YES
L0112363	0	0.96667E-02	486285.3	3755051.1	527.0	3.20	23.83	0.74	YES
L0112364	0	0.96667E-02	486336.5	3755050.9	526.5	3.20	23.83	0.74	YES
L0112365	0	0.96667E-02	486387.7	3755050.7	527.3	3.20	23.83	0.74	YES
L0112366	0	0.92667E-02	486398.6	3755051.8	528.1	3.40	23.51	0.79	YES
L0112367	0	0.92667E-02	486449.1	3755051.3	531.3	3.40	23.51	0.79	YES
L0112368	0	0.92667E-02	486499.7	3755050.8	529.7	3.40	23.51	0.79	YES
L0112369	0	0.92667E-02	486550.2	3755050.4	528.0	3.40	23.51	0.79	YES
L0112370	0	0.92667E-02	486600.7	3755049.9	527.0	3.40	23.51	0.79	YES
L0112371	0	0.92667E-02	486651.3	3755049.4	527.3	3.40	23.51	0.79	YES
L0112372	0	0.92667E-02	486701.8	3755049.0	529.1	3.40	23.51	0.79	YES
L0112373	0	0.92667E-02	486752.4	3755048.5	530.3	3.40	23.51	0.79	YES
L0112374	0	0.92667E-02	486802.9	3755048.1	529.2	3.40	23.51	0.79	YES
L0112375	0	0.92667E-02	486853.5	3755047.6	526.5	3.40	23.51	0.79	YES

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112376	0	0.92667E-02	486904.0	3755047.1	529.4	3.40	23.51	0.79	YES	
L0112377	0	0.92667E-02	486954.6	3755046.7	527.6	3.40	23.51	0.79	YES	
L0112378	0	0.92667E-02	487005.1	3755046.2	526.3	3.40	23.51	0.79	YES	
L0112379	0	0.92667E-02	487055.7	3755045.8	527.0	3.40	23.51	0.79	YES	
L0112380	0	0.92667E-02	487106.2	3755045.3	527.9	3.40	23.51	0.79	YES	
L0112381	0	0.46063E-02	487151.1	3755042.2	530.6	3.30	23.38	0.77	YES	
L0112382	0	0.46063E-02	487201.3	3755039.4	528.0	3.30	23.38	0.77	YES	
L0112383	0	0.46063E-02	487251.5	3755036.7	528.5	3.30	23.38	0.77	YES	
L0112384	0	0.46063E-02	487301.7	3755033.9	528.6	3.30	23.38	0.77	YES	
L0112385	0	0.46063E-02	487351.3	3755025.8	526.0	3.30	23.38	0.77	YES	
L0112386	0	0.46063E-02	487400.9	3755017.8	524.6	3.30	23.38	0.77	YES	
L0112387	0	0.46063E-02	487450.5	3755009.8	524.4	3.30	23.38	0.77	YES	
L0112388	0	0.46063E-02	487500.1	3755001.7	526.0	3.30	23.38	0.77	YES	
L0112389	0	0.46063E-02	487549.9	3754996.4	528.3	3.30	23.38	0.77	YES	
L0112390	0	0.46063E-02	487600.2	3754997.7	529.2	3.30	23.38	0.77	YES	
L0112391	0	0.46063E-02	487650.4	3754999.0	526.2	3.30	23.38	0.77	YES	
L0112392	0	0.46063E-02	487700.6	3755000.3	523.0	3.30	23.38	0.77	YES	
L0112393	0	0.46063E-02	487749.5	3754990.1	522.3	3.30	23.38	0.77	YES	
L0112394	0	0.46063E-02	487798.0	3754976.9	523.3	3.30	23.38	0.77	YES	
L0112395	0	0.46063E-02	487846.5	3754963.7	524.1	3.30	23.38	0.77	YES	
L0112396	0	0.46063E-02	487895.0	3754950.4	525.8	3.30	23.38	0.77	YES	
L0112397	0	0.13769E-02	487919.9	3754938.9	524.6	3.10	24.10	0.72	YES	
L0112398	0	0.13769E-02	487964.8	3754913.0	521.9	3.10	24.10	0.72	YES	
L0112399	0	0.13769E-02	488009.7	3754887.1	519.8	3.10	24.10	0.72	YES	
L0112400	0	0.13769E-02	488053.4	3754859.6	519.4	3.10	24.10	0.72	YES	
L0112401	0	0.13769E-02	488094.9	3754828.5	519.2	3.10	24.10	0.72	YES	
L0112402	0	0.13769E-02	488136.3	3754797.4	520.5	3.10	24.10	0.72	YES	
L0112403	0	0.13769E-02	488178.6	3754767.9	521.2	3.10	24.10	0.72	YES	
L0112404	0	0.13769E-02	488228.5	3754753.9	522.9	3.10	24.10	0.72	YES	
L0112405	0	0.13769E-02	488278.4	3754739.9	523.0	3.10	24.10	0.72	YES	
L0112406	0	0.13769E-02	488329.2	3754731.6	521.5	3.10	24.10	0.72	YES	
L0112407	0	0.13769E-02	488380.9	3754728.1	523.9	3.10	24.10	0.72	YES	
L0112408	0	0.13769E-02	488432.6	3754724.6	528.0	3.10	24.10	0.72	YES	
L0112409	0	0.13769E-02	488484.3	3754721.0	524.8	3.10	24.10	0.72	YES	
L0112410	0	0.10028E-01	487131.3	3754448.5	506.6	3.40	17.64	0.79	YES	
L0112411	0	0.10028E-01	487169.2	3754446.5	506.0	3.40	17.64	0.79	YES	
L0112412	0	0.10028E-01	487207.0	3754444.4	508.1	3.40	17.64	0.79	YES	
L0112413	0	0.10028E-01	487244.9	3754442.4	509.1	3.40	17.64	0.79	YES	
L0112414	0	0.10028E-01	487282.8	3754440.4	509.8	3.40	17.64	0.79	YES	
L0112415	0	0.10028E-01	487320.7	3754438.4	509.1	3.40	17.64	0.79	YES	

**MODELOPTs: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112416	0	0.10028E-01	487358.6	3754436.4	509.4	3.40	17.64	0.79	YES	
L0112417	0	0.10028E-01	487396.4	3754434.4	510.4	3.40	17.64	0.79	YES	
L0112418	0	0.10028E-01	487434.3	3754432.4	509.9	3.40	17.64	0.79	YES	
L0112419	0	0.10028E-01	487472.2	3754430.4	509.4	3.40	17.64	0.79	YES	
L0112420	0	0.10028E-01	487510.1	3754428.3	509.9	3.40	17.64	0.79	YES	
L0112421	0	0.10028E-01	487547.9	3754426.3	510.2	3.40	17.64	0.79	YES	
L0112422	0	0.10028E-01	487585.8	3754424.5	509.6	3.40	17.64	0.79	YES	
L0112423	0	0.10028E-01	487623.7	3754425.8	510.1	3.40	17.64	0.79	YES	
L0112424	0	0.10028E-01	487661.6	3754427.1	510.7	3.40	17.64	0.79	YES	
L0112425	0	0.10028E-01	487699.6	3754428.4	510.4	3.40	17.64	0.79	YES	
L0112426	0	0.10028E-01	487736.7	3754435.0	510.8	3.40	17.64	0.79	YES	
L0112427	0	0.10028E-01	487773.2	3754445.1	510.4	3.40	17.64	0.79	YES	

L0112428	0	0.10028E-01	487810.3	3754451.0	509.9	3.40	17.64	0.79	YES
L0112429	0	0.10028E-01	487848.2	3754450.3	509.8	3.40	17.64	0.79	YES
L0112430	0	0.10028E-01	487886.1	3754449.6	508.5	3.40	17.64	0.79	YES
L0112431	0	0.10028E-01	487924.1	3754449.0	507.7	3.40	17.64	0.79	YES
L0112432	0	0.10028E-01	487962.0	3754448.3	508.4	3.40	17.64	0.79	YES
L0112433	0	0.10028E-01	487999.9	3754447.6	509.0	3.40	17.64	0.79	YES
L0112434	0	0.10028E-01	488037.8	3754447.0	508.1	3.40	17.64	0.79	YES
L0112435	0	0.10028E-01	488075.8	3754446.3	507.2	3.40	17.64	0.79	YES
L0112436	0	0.10028E-01	488113.7	3754445.6	508.2	3.40	17.64	0.79	YES
L0112437	0	0.10028E-01	488151.6	3754445.0	508.3	3.40	17.64	0.79	YES
L0112438	0	0.10028E-01	488189.5	3754444.3	509.3	3.40	17.64	0.79	YES
L0112439	0	0.10028E-01	488227.5	3754443.6	510.4	3.40	17.64	0.79	YES
L0112440	0	0.10028E-01	488265.4	3754443.0	510.7	3.40	17.64	0.79	YES
L0112441	0	0.10028E-01	488303.3	3754442.3	510.9	3.40	17.64	0.79	YES
L0112442	0	0.10028E-01	488333.9	3754420.0	509.3	3.40	17.64	0.79	YES
L0112443	0	0.10028E-01	488364.4	3754397.4	506.5	3.40	17.64	0.79	YES
L0112444	0	0.10028E-01	488394.8	3754374.8	504.5	3.40	17.64	0.79	YES
L0112445	0	0.10028E-01	488425.3	3754352.2	505.0	3.40	17.64	0.79	YES
L0112446	0	0.10857E-02	488434.4	3754340.7	505.3	2.30	18.04	0.53	YES
L0112447	0	0.10857E-02	488457.1	3754309.3	506.0	2.30	18.04	0.53	YES
L0112448	0	0.10857E-02	488457.7	3754270.7	506.0	2.30	18.04	0.53	YES
L0112449	0	0.10857E-02	488457.7	3754231.9	505.1	2.30	18.04	0.53	YES
L0112450	0	0.10857E-02	488457.7	3754193.1	501.0	2.30	18.04	0.53	YES
L0112451	0	0.10857E-02	488457.7	3754154.3	501.5	2.30	18.04	0.53	YES
L0112452	0	0.10857E-02	488457.7	3754115.5	503.6	2.30	18.04	0.53	YES
L0112453	0	0.10857E-02	488457.7	3754076.8	502.9	2.30	18.04	0.53	YES
L0112454	0	0.10857E-02	488457.7	3754038.0	502.0	2.30	18.04	0.53	YES
L0112455	0	0.10857E-02	488457.7	3753999.2	502.0	2.30	18.04	0.53	YES

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112456	0	0.10857E-02	488457.7	3753960.4	502.0	2.30	18.04	0.53	YES	
L0112457	0	0.10857E-02	488457.7	3753921.6	500.4	2.30	18.04	0.53	YES	
L0112458	0	0.10857E-02	488457.7	3753882.8	498.4	2.30	18.04	0.53	YES	
L0112459	0	0.10857E-02	488457.7	3753844.0	497.1	2.30	18.04	0.53	YES	
L0112460	0	0.10857E-02	488457.7	3753805.3	496.8	2.30	18.04	0.53	YES	
L0112461	0	0.10857E-02	488457.7	3753766.5	496.0	2.30	18.04	0.53	YES	
L0112462	0	0.10857E-02	488457.7	3753727.7	495.3	2.30	18.04	0.53	YES	
L0112463	0	0.10857E-02	488457.7	3753688.9	493.9	2.30	18.04	0.53	YES	
L0112464	0	0.10857E-02	488457.7	3753650.1	491.0	2.30	18.04	0.53	YES	
L0112465	0	0.10857E-02	488457.7	3753611.3	488.4	2.30	18.04	0.53	YES	
L0112466	0	0.10857E-02	488457.7	3753572.6	488.0	2.30	18.04	0.53	YES	
L0112467	0	0.10857E-02	488457.7	3753533.8	488.0	2.30	18.04	0.53	YES	
L0112468	0	0.10857E-02	488457.7	3753495.0	488.0	2.30	18.04	0.53	YES	
L0112469	0	0.10857E-02	488457.7	3753456.2	487.2	2.30	18.04	0.53	YES	
L0112470	0	0.10857E-02	488457.7	3753417.4	485.9	2.30	18.04	0.53	YES	
L0112471	0	0.10857E-02	488457.7	3753378.6	485.4	2.30	18.04	0.53	YES	
L0112472	0	0.10857E-02	488457.7	3753339.9	484.0	2.30	18.04	0.53	YES	
L0112473	0	0.10857E-02	488457.7	3753301.1	482.0	2.30	18.04	0.53	YES	
L0112474	0	0.24857E-01	487111.6	3753293.9	488.9	3.10	22.81	0.72	YES	
L0112475	0	0.24857E-01	487160.6	3753293.6	488.0	3.10	22.81	0.72	YES	
L0112476	0	0.24857E-01	487209.6	3753293.2	486.3	3.10	22.81	0.72	YES	
L0112477	0	0.24857E-01	487258.7	3753292.8	484.5	3.10	22.81	0.72	YES	
L0112478	0	0.24857E-01	487307.7	3753292.4	486.8	3.10	22.81	0.72	YES	
L0112479	0	0.24857E-01	487356.7	3753292.1	488.3	3.10	22.81	0.72	YES	
L0112480	0	0.24857E-01	487405.8	3753291.7	488.6	3.10	22.81	0.72	YES	
L0112481	0	0.24857E-01	487454.8	3753291.3	487.2	3.10	22.81	0.72	YES	
L0112482	0	0.24857E-01	487503.8	3753291.0	486.4	3.10	22.81	0.72	YES	
L0112483	0	0.24857E-01	487552.9	3753290.6	487.3	3.10	22.81	0.72	YES	
L0112484	0	0.24857E-01	487601.9	3753290.2	486.6	3.10	22.81	0.72	YES	
L0112485	0	0.24857E-01	487650.9	3753289.8	486.2	3.10	22.81	0.72	YES	
L0112486	0	0.24857E-01	487700.0	3753289.5	482.3	3.10	22.81	0.72	YES	
L0112487	0	0.24857E-01	487749.0	3753289.1	483.1	3.10	22.81	0.72	YES	
L0112488	0	0.26786E-01	487765.1	3753289.0	484.0	3.10	24.24	0.72	YES	
L0112489	0	0.26786E-01	487817.3	3753289.0	485.3	3.10	24.24	0.72	YES	
L0112490	0	0.26786E-01	487869.4	3753289.0	483.2	3.10	24.24	0.72	YES	
L0112491	0	0.26786E-01	487921.5	3753289.0	483.0	3.10	24.24	0.72	YES	
L0112492	0	0.26786E-01	487973.6	3753289.0	484.8	3.10	24.24	0.72	YES	
L0112493	0	0.26786E-01	488025.8	3753289.0	485.6	3.10	24.24	0.72	YES	
L0112494	0	0.26786E-01	488077.9	3753289.0	485.4	3.10	24.24	0.72	YES	
L0112495	0	0.26786E-01	488130.0	3753289.0	485.6	3.10	24.24	0.72	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112496	0	0.26786E-01	488182.1	3753289.0	485.6	3.10	24.24	0.72	YES	
L0112497	0	0.26786E-01	488234.2	3753289.0	486.3	3.10	24.24	0.72	YES	
L0112498	0	0.26786E-01	488286.4	3753289.0	484.9	3.10	24.24	0.72	YES	
L0112499	0	0.26786E-01	488338.5	3753289.0	484.4	3.10	24.24	0.72	YES	
L0112500	0	0.26786E-01	488390.6	3753289.0	484.6	3.10	24.24	0.72	YES	
L0112501	0	0.26786E-01	488442.7	3753289.0	483.3	3.10	24.24	0.72	YES	
L0112502	0	0.13583E-01	488445.9	3753289.3	481.6	3.20	18.10	0.74	YES	
L0112503	0	0.13583E-01	488446.3	3753250.4	481.0	3.20	18.10	0.74	YES	
L0112504	0	0.13583E-01	488446.8	3753211.5	480.1	3.20	18.10	0.74	YES	
L0112505	0	0.13583E-01	488447.2	3753172.6	479.0	3.20	18.10	0.74	YES	

L0112506	0	0.13583E-01	488447.7	3753133.7	478.5	3.20	18.10	0.74	YES
L0112507	0	0.13583E-01	488448.1	3753094.8	478.0	3.20	18.10	0.74	YES
L0112508	0	0.13583E-01	488448.5	3753055.9	477.0	3.20	18.10	0.74	YES
L0112509	0	0.13583E-01	488449.0	3753017.0	477.0	3.20	18.10	0.74	YES
L0112510	0	0.13583E-01	488449.4	3752978.1	477.7	3.20	18.10	0.74	YES
L0112511	0	0.13583E-01	488449.8	3752939.2	479.0	3.20	18.10	0.74	YES
L0112512	0	0.13583E-01	488450.3	3752900.3	478.0	3.20	18.10	0.74	YES
L0112513	0	0.13583E-01	488450.7	3752861.4	478.0	3.20	18.10	0.74	YES
L0112514	0	0.84828E-02	488463.9	3753299.0	481.8	2.80	23.53	0.65	YES
L0112515	0	0.84828E-02	488514.5	3753298.8	480.9	2.80	23.53	0.65	YES
L0112516	0	0.84828E-02	488565.1	3753298.7	482.3	2.80	23.53	0.65	YES
L0112517	0	0.84828E-02	488615.7	3753298.5	484.1	2.80	23.53	0.65	YES
L0112518	0	0.84828E-02	488666.3	3753298.3	483.2	2.80	23.53	0.65	YES
L0112519	0	0.84828E-02	488716.9	3753298.1	482.0	2.80	23.53	0.65	YES
L0112520	0	0.84828E-02	488767.5	3753298.0	482.1	2.80	23.53	0.65	YES
L0112521	0	0.84828E-02	488818.1	3753297.8	481.1	2.80	23.53	0.65	YES
L0112522	0	0.84828E-02	488868.7	3753297.6	482.1	2.80	23.53	0.65	YES
L0112523	0	0.84828E-02	488919.3	3753297.4	483.4	2.80	23.53	0.65	YES
L0112524	0	0.84828E-02	488969.9	3753297.3	485.9	2.80	23.53	0.65	YES
L0112525	0	0.84828E-02	489020.5	3753297.1	484.2	2.80	23.53	0.65	YES
L0112526	0	0.84828E-02	489071.1	3753296.9	484.8	2.80	23.53	0.65	YES
L0112527	0	0.84828E-02	489121.6	3753296.7	484.9	2.80	23.53	0.65	YES
L0112528	0	0.84828E-02	489172.2	3753296.5	486.5	2.80	23.53	0.65	YES
L0112529	0	0.84828E-02	489222.8	3753296.4	491.6	2.80	23.53	0.65	YES
L0112530	0	0.84828E-02	489273.4	3753296.2	494.4	2.80	23.53	0.65	YES
L0112531	0	0.84828E-02	489324.0	3753296.0	490.5	2.80	23.53	0.65	YES
L0112532	0	0.84828E-02	489374.6	3753295.8	489.1	2.80	23.53	0.65	YES
L0112533	0	0.84828E-02	489425.2	3753295.7	490.3	2.80	23.53	0.65	YES
L0112534	0	0.84828E-02	489475.8	3753295.5	490.2	2.80	23.53	0.65	YES
L0112535	0	0.84828E-02	489526.4	3753295.3	490.5	2.80	23.53	0.65	YES

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*** VOLUME SOURCE DATA ***

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L0112536	0	0.84828E-02	489577.0	3753295.1	493.0	2.80	23.53	0.65	YES	
L0112537	0	0.84828E-02	489627.6	3753295.0	493.4	2.80	23.53	0.65	YES	
L0112538	0	0.84828E-02	489678.2	3753294.8	495.6	2.80	23.53	0.65	YES	
L0112539	0	0.84828E-02	489728.8	3753294.6	496.8	2.80	23.53	0.65	YES	
L0112540	0	0.84828E-02	489779.4	3753294.4	493.4	2.80	23.53	0.65	YES	
L0112541	0	0.84828E-02	489830.0	3753294.3	489.2	2.80	23.53	0.65	YES	
L0112542	0	0.84828E-02	489880.6	3753294.1	491.6	2.80	23.53	0.65	YES	
L0112543	0	0.19000E-01	489900.7	3753294.2	492.8	3.10	22.24	0.72	YES	
L0112544	0	0.19000E-01	489944.6	3753313.0	493.7	3.10	22.24	0.72	YES	
L0112545	0	0.19000E-01	489983.0	3753340.6	494.3	3.10	22.24	0.72	YES	
L0112546	0	0.19000E-01	490018.7	3753372.4	497.3	3.10	22.24	0.72	YES	
L0112547	0	0.19000E-01	490054.3	3753404.3	500.6	3.10	22.24	0.72	YES	
L0112548	0	0.19000E-01	490090.0	3753436.1	502.5	3.10	22.24	0.72	YES	
L0112549	0	0.10308E-01	489898.8	3753280.5	492.3	3.30	15.51	0.77	YES	
L0112550	0	0.10308E-01	489899.2	3753247.1	490.4	3.30	15.51	0.77	YES	
L0112551	0	0.10308E-01	489899.6	3753213.8	488.2	3.30	15.51	0.77	YES	
L0112552	0	0.10308E-01	489900.0	3753180.4	487.0	3.30	15.51	0.77	YES	
L0112553	0	0.10308E-01	489900.4	3753147.1	488.3	3.30	15.51	0.77	YES	
L0112554	0	0.10308E-01	489900.8	3753113.7	491.0	3.30	15.51	0.77	YES	
L0112555	0	0.10308E-01	489901.2	3753080.4	490.6	3.30	15.51	0.77	YES	
L0112556	0	0.10308E-01	489901.6	3753047.0	489.0	3.30	15.51	0.77	YES	
L0112557	0	0.10308E-01	489902.0	3753013.7	487.3	3.30	15.51	0.77	YES	
L0112558	0	0.10308E-01	489902.4	3752980.3	486.2	3.30	15.51	0.77	YES	
L0112559	0	0.10308E-01	489902.8	3752947.0	484.6	3.30	15.51	0.77	YES	
L0112560	0	0.10308E-01	489903.2	3752913.6	482.5	3.30	15.51	0.77	YES	
L0112561	0	0.10308E-01	489903.6	3752880.3	480.4	3.30	15.51	0.77	YES	
L0112562	0	0.76636E-02	489917.3	3752867.0	481.7	3.30	15.35	0.77	YES	
L0112563	0	0.76636E-02	489950.3	3752867.9	483.0	3.30	15.35	0.77	YES	
L0112564	0	0.76636E-02	489983.2	3752868.9	484.0	3.30	15.35	0.77	YES	
L0112565	0	0.76636E-02	490016.2	3752869.8	484.9	3.30	15.35	0.77	YES	
L0112566	0	0.76636E-02	490049.2	3752870.8	486.1	3.30	15.35	0.77	YES	
L0112567	0	0.76636E-02	490082.2	3752871.7	485.7	3.30	15.35	0.77	YES	
L0112568	0	0.76636E-02	490115.2	3752872.7	485.9	3.30	15.35	0.77	YES	
L0112569	0	0.76636E-02	490148.1	3752873.7	486.6	3.30	15.35	0.77	YES	
L0112570	0	0.76636E-02	490181.1	3752874.6	486.0	3.30	15.35	0.77	YES	
L0112571	0	0.76636E-02	490214.1	3752875.6	484.1	3.30	15.35	0.77	YES	
L0112572	0	0.76636E-02	490247.1	3752876.5	482.6	3.30	15.35	0.77	YES	
L0112573	0	0.46591E-02	488454.3	3752857.1	478.0	3.20	15.60	0.74	YES	
L0112574	0	0.46591E-02	488487.8	3752858.9	478.7	3.20	15.60	0.74	YES	
L0112575	0	0.46591E-02	488521.3	3752860.6	477.6	3.20	15.60	0.74	YES	

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*** VOLUME SOURCE DATA ***

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L0112576	0	0.46591E-02	488554.8	3752862.3	475.5	3.20	15.60	0.74	YES	
L0112577	0	0.46591E-02	488588.3	3752864.1	475.3	3.20	15.60	0.74	YES	
L0112578	0	0.46591E-02	488621.7	3752865.8	476.6	3.20	15.60	0.74	YES	
L0112579	0	0.46591E-02	488655.2	3752867.6	478.0	3.20	15.60	0.74	YES	
L0112580	0	0.46591E-02	488688.7	3752869.3	478.5	3.20	15.60	0.74	YES	
L0112581	0	0.46591E-02	488722.2	3752871.1	477.6	3.20	15.60	0.74	YES	
L0112582	0	0.46591E-02	488755.7	3752872.8	477.4	3.20	15.60	0.74	YES	
L0112583	0	0.46591E-02	488789.2	3752874.6	478.3	3.20	15.60	0.74	YES	

L0112584	0	0.46591E-02	488822.6	3752876.3	478.2	3.20	15.60	0.74	YES
L0112585	0	0.46591E-02	488856.1	3752878.1	478.1	3.20	15.60	0.74	YES
L0112586	0	0.46591E-02	488889.6	3752879.8	478.0	3.20	15.60	0.74	YES
L0112587	0	0.46591E-02	488923.1	3752881.6	477.7	3.20	15.60	0.74	YES
L0112588	0	0.46591E-02	488956.6	3752883.3	478.2	3.20	15.60	0.74	YES
L0112589	0	0.46591E-02	488990.1	3752885.1	479.7	3.20	15.60	0.74	YES
L0112590	0	0.46591E-02	489023.5	3752886.8	481.4	3.20	15.60	0.74	YES
L0112591	0	0.46591E-02	489057.1	3752886.3	482.7	3.20	15.60	0.74	YES
L0112592	0	0.46591E-02	489090.6	3752885.7	481.8	3.20	15.60	0.74	YES
L0112593	0	0.46591E-02	489124.1	3752885.1	480.7	3.20	15.60	0.74	YES
L0112594	0	0.46591E-02	489157.6	3752884.5	479.8	3.20	15.60	0.74	YES
L0112595	0	0.46591E-02	489191.2	3752884.0	478.8	3.20	15.60	0.74	YES
L0112596	0	0.46591E-02	489224.7	3752883.4	478.7	3.20	15.60	0.74	YES
L0112597	0	0.46591E-02	489258.2	3752882.8	479.7	3.20	15.60	0.74	YES
L0112598	0	0.46591E-02	489291.7	3752882.2	480.1	3.20	15.60	0.74	YES
L0112599	0	0.46591E-02	489325.3	3752881.7	480.1	3.20	15.60	0.74	YES
L0112600	0	0.46591E-02	489358.8	3752881.1	480.1	3.20	15.60	0.74	YES
L0112601	0	0.46591E-02	489392.3	3752880.5	480.0	3.20	15.60	0.74	YES
L0112602	0	0.46591E-02	489425.8	3752879.9	480.2	3.20	15.60	0.74	YES
L0112603	0	0.46591E-02	489459.4	3752879.4	481.3	3.20	15.60	0.74	YES
L0112604	0	0.46591E-02	489492.9	3752878.8	481.9	3.20	15.60	0.74	YES
L0112605	0	0.46591E-02	489526.4	3752878.2	481.9	3.20	15.60	0.74	YES
L0112606	0	0.46591E-02	489559.9	3752877.6	482.5	3.20	15.60	0.74	YES
L0112607	0	0.46591E-02	489593.5	3752877.1	483.5	3.20	15.60	0.74	YES
L0112608	0	0.46591E-02	489627.0	3752876.5	484.7	3.20	15.60	0.74	YES
L0112609	0	0.46591E-02	489660.5	3752875.9	484.9	3.20	15.60	0.74	YES
L0112610	0	0.46591E-02	489694.0	3752875.3	483.8	3.20	15.60	0.74	YES
L0112611	0	0.46591E-02	489727.6	3752874.8	484.1	3.20	15.60	0.74	YES
L0112612	0	0.46591E-02	489761.1	3752874.2	485.3	3.20	15.60	0.74	YES
L0112613	0	0.46591E-02	489794.6	3752873.6	484.9	3.20	15.60	0.74	YES
L0112614	0	0.46591E-02	489828.1	3752873.0	482.8	3.20	15.60	0.74	YES
L0112615	0	0.46591E-02	489861.7	3752872.5	480.7	3.20	15.60	0.74	YES

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L0112616	0	0.46591E-02	489895.2	3752871.9	480.3	3.20	15.60	0.74	YES	
L0112617	0	0.59655E-02	488256.0	3755293.6	547.9	3.40	9.20	0.79	YES	
L0112618	0	0.59655E-02	488263.4	3755275.3	547.8	3.40	9.20	0.79	YES	
L0112619	0	0.59655E-02	488270.8	3755256.9	547.0	3.40	9.20	0.79	YES	
L0112620	0	0.59655E-02	488278.2	3755238.6	546.1	3.40	9.20	0.79	YES	
L0112621	0	0.59655E-02	488285.6	3755220.3	545.6	3.40	9.20	0.79	YES	
L0112622	0	0.59655E-02	488293.0	3755201.9	546.3	3.40	9.20	0.79	YES	
L0112623	0	0.59655E-02	488300.4	3755183.6	546.5	3.40	9.20	0.79	YES	
L0112624	0	0.59655E-02	488307.8	3755165.2	546.1	3.40	9.20	0.79	YES	
L0112625	0	0.59655E-02	488315.2	3755146.9	545.5	3.40	9.20	0.79	YES	
L0112626	0	0.59655E-02	488322.7	3755128.6	544.2	3.40	9.20	0.79	YES	
L0112627	0	0.59655E-02	488330.1	3755110.2	541.8	3.40	9.20	0.79	YES	
L0112628	0	0.59655E-02	488337.5	3755091.9	539.3	3.40	9.20	0.79	YES	
L0112629	0	0.59655E-02	488344.9	3755073.6	537.2	3.40	9.20	0.79	YES	
L0112630	0	0.59655E-02	488352.3	3755055.2	535.1	3.40	9.20	0.79	YES	
L0112631	0	0.59655E-02	488359.7	3755036.9	533.0	3.40	9.20	0.79	YES	
L0112632	0	0.59655E-02	488367.1	3755018.5	531.5	3.40	9.20	0.79	YES	
L0112633	0	0.59655E-02	488374.5	3755000.2	530.1	3.40	9.20	0.79	YES	
L0112634	0	0.59655E-02	488381.9	3754981.9	528.9	3.40	9.20	0.79	YES	
L0112635	0	0.59655E-02	488389.3	3754963.5	527.8	3.40	9.20	0.79	YES	
L0112636	0	0.59655E-02	488396.7	3754945.2	527.0	3.40	9.20	0.79	YES	
L0112637	0	0.59655E-02	488404.1	3754926.9	527.9	3.40	9.20	0.79	YES	
L0112638	0	0.59655E-02	488411.5	3754908.5	527.8	3.40	9.20	0.79	YES	
L0112639	0	0.59655E-02	488418.9	3754890.2	527.3	3.40	9.20	0.79	YES	
L0112640	0	0.59655E-02	488426.3	3754871.8	526.6	3.40	9.20	0.79	YES	
L0112641	0	0.59655E-02	488433.7	3754853.5	525.6	3.40	9.20	0.79	YES	
L0112642	0	0.59655E-02	488441.1	3754835.2	524.3	3.40	9.20	0.79	YES	
L0112643	0	0.59655E-02	488448.6	3754816.8	526.0	3.40	9.20	0.79	YES	
L0112644	0	0.59655E-02	488456.0	3754798.5	526.0	3.40	9.20	0.79	YES	
L0112645	0	0.59655E-02	488463.4	3754780.1	526.5	3.40	9.20	0.79	YES	
L0112646	0	0.65046E-02	488468.1	3754776.1	526.4	3.40	9.32	0.79	YES	
L0112647	0	0.65046E-02	488477.9	3754758.6	526.0	3.40	9.32	0.79	YES	
L0112648	0	0.65046E-02	488487.7	3754741.2	525.2	3.40	9.32	0.79	YES	
L0112649	0	0.65046E-02	488497.6	3754723.7	524.2	3.40	9.32	0.79	YES	
L0112650	0	0.65046E-02	488507.4	3754706.3	524.0	3.40	9.32	0.79	YES	
L0112651	0	0.65046E-02	488517.3	3754688.8	524.0	3.40	9.32	0.79	YES	
L0112652	0	0.65046E-02	488527.1	3754671.4	523.4	3.40	9.32	0.79	YES	
L0112653	0	0.65046E-02	488536.9	3754653.9	522.3	3.40	9.32	0.79	YES	
L0112654	0	0.65046E-02	488546.8	3754636.5	521.4	3.40	9.32	0.79	YES	
L0112655	0	0.65046E-02	488556.6	3754619.0	521.6	3.40	9.32	0.79	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112656	0	0.65046E-02	488566.5	3754601.6	521.8	3.40	9.32	0.79	YES	
L0112657	0	0.65046E-02	488576.3	3754584.1	522.3	3.40	9.32	0.79	YES	
L0112658	0	0.65046E-02	488586.1	3754566.7	523.1	3.40	9.32	0.79	YES	
L0112659	0	0.65046E-02	488596.0	3754549.2	522.9	3.40	9.32	0.79	YES	
L0112660	0	0.65046E-02	488605.8	3754531.8	521.8	3.40	9.32	0.79	YES	
L0112661	0	0.65046E-02	488615.6	3754514.3	522.2	3.40	9.32	0.79	YES	

L0112662	0	0.65046E-02	488625.5	3754496.9	522.8	3.40	9.32	0.79	YES
L0112663	0	0.65046E-02	488635.3	3754479.4	522.4	3.40	9.32	0.79	YES
L0112664	0	0.65046E-02	488645.2	3754462.0	521.2	3.40	9.32	0.79	YES
L0112665	0	0.65046E-02	488655.0	3754444.5	519.2	3.40	9.32	0.79	YES
L0112666	0	0.65046E-02	488664.8	3754427.1	517.5	3.40	9.32	0.79	YES
L0112667	0	0.65046E-02	488674.7	3754409.6	516.1	3.40	9.32	0.79	YES
L0112668	0	0.65046E-02	488684.5	3754392.2	514.7	3.40	9.32	0.79	YES
L0112669	0	0.65046E-02	488694.4	3754374.7	513.0	3.40	9.32	0.79	YES
L0112670	0	0.65046E-02	488704.2	3754357.3	512.6	3.40	9.32	0.79	YES
L0112671	0	0.65046E-02	488714.0	3754339.8	513.6	3.40	9.32	0.79	YES
L0112672	0	0.65046E-02	488723.9	3754322.4	514.6	3.40	9.32	0.79	YES
L0112673	0	0.65046E-02	488734.7	3754305.7	514.4	3.40	9.32	0.79	YES
L0112674	0	0.65046E-02	488750.1	3754293.0	513.4	3.40	9.32	0.79	YES
L0112675	0	0.65046E-02	488765.6	3754280.2	511.6	3.40	9.32	0.79	YES
L0112676	0	0.65046E-02	488781.0	3754267.5	510.4	3.40	9.32	0.79	YES
L0112677	0	0.65046E-02	488796.5	3754254.7	509.9	3.40	9.32	0.79	YES
L0112678	0	0.65046E-02	488811.9	3754241.9	510.0	3.40	9.32	0.79	YES
L0112679	0	0.65046E-02	488827.4	3754229.2	510.2	3.40	9.32	0.79	YES
L0112680	0	0.65046E-02	488842.8	3754216.4	510.0	3.40	9.32	0.79	YES
L0112681	0	0.65046E-02	488858.2	3754203.7	509.8	3.40	9.32	0.79	YES
L0112682	0	0.65046E-02	488873.7	3754190.9	510.6	3.40	9.32	0.79	YES
L0112683	0	0.65046E-02	488889.1	3754178.1	511.4	3.40	9.32	0.79	YES
L0112684	0	0.65046E-02	488904.6	3754165.4	511.7	3.40	9.32	0.79	YES
L0112685	0	0.65046E-02	488920.0	3754152.6	511.6	3.40	9.32	0.79	YES
L0112686	0	0.65046E-02	488935.5	3754139.9	511.0	3.40	9.32	0.79	YES
L0112687	0	0.65046E-02	488950.9	3754127.1	510.6	3.40	9.32	0.79	YES
L0112688	0	0.65046E-02	488966.7	3754114.8	510.2	3.40	9.32	0.79	YES
L0112689	0	0.65046E-02	488983.8	3754104.4	507.7	3.40	9.32	0.79	YES
L0112690	0	0.65046E-02	489000.9	3754093.9	504.9	3.40	9.32	0.79	YES
L0112691	0	0.65046E-02	489018.0	3754083.5	503.6	3.40	9.32	0.79	YES
L0112692	0	0.65046E-02	489035.1	3754073.0	502.8	3.40	9.32	0.79	YES
L0112693	0	0.65046E-02	489052.2	3754062.6	503.0	3.40	9.32	0.79	YES
L0112694	0	0.65046E-02	489069.3	3754052.2	503.4	3.40	9.32	0.79	YES
L0112695	0	0.65046E-02	489086.4	3754041.7	503.3	3.40	9.32	0.79	YES

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112696	0	0.65046E-02	489103.5	3754031.3	502.8	3.40	9.32	0.79	YES	
L0112697	0	0.65046E-02	489120.6	3754020.8	502.0	3.40	9.32	0.79	YES	
L0112698	0	0.65046E-02	489137.7	3754010.4	500.9	3.40	9.32	0.79	YES	
L0112699	0	0.65046E-02	489154.8	3754000.0	499.5	3.40	9.32	0.79	YES	
L0112700	0	0.65046E-02	489171.9	3753989.5	498.3	3.40	9.32	0.79	YES	
L0112701	0	0.65046E-02	489189.0	3753979.1	498.7	3.40	9.32	0.79	YES	
L0112702	0	0.65046E-02	489206.1	3753968.6	499.2	3.40	9.32	0.79	YES	
L0112703	0	0.65046E-02	489223.2	3753958.2	499.4	3.40	9.32	0.79	YES	
L0112704	0	0.65046E-02	489240.2	3753947.8	499.2	3.40	9.32	0.79	YES	
L0112705	0	0.65046E-02	489257.3	3753937.3	498.5	3.40	9.32	0.79	YES	
L0112706	0	0.65046E-02	489274.4	3753926.9	498.0	3.40	9.32	0.79	YES	
L0112707	0	0.65046E-02	489291.5	3753916.4	498.0	3.40	9.32	0.79	YES	
L0112708	0	0.65046E-02	489308.6	3753906.0	497.9	3.40	9.32	0.79	YES	
L0112709	0	0.65046E-02	489325.7	3753895.6	498.0	3.40	9.32	0.79	YES	
L0112710	0	0.65046E-02	489342.8	3753885.1	497.6	3.40	9.32	0.79	YES	
L0112711	0	0.65046E-02	489359.9	3753874.7	497.0	3.40	9.32	0.79	YES	
L0112712	0	0.65046E-02	489377.0	3753864.2	497.5	3.40	9.32	0.79	YES	
L0112713	0	0.65046E-02	489394.1	3753853.8	497.5	3.40	9.32	0.79	YES	
L0112714	0	0.65046E-02	489411.2	3753843.4	497.2	3.40	9.32	0.79	YES	
L0112715	0	0.65046E-02	489428.3	3753832.9	497.2	3.40	9.32	0.79	YES	
L0112716	0	0.65046E-02	489445.4	3753822.5	497.1	3.40	9.32	0.79	YES	
L0112717	0	0.65046E-02	489462.5	3753812.0	497.8	3.40	9.32	0.79	YES	
L0112718	0	0.65046E-02	489479.6	3753801.6	498.7	3.40	9.32	0.79	YES	
L0112719	0	0.65046E-02	489496.7	3753791.2	498.9	3.40	9.32	0.79	YES	
L0112720	0	0.65046E-02	489513.8	3753780.7	499.2	3.40	9.32	0.79	YES	
L0112721	0	0.65046E-02	489530.9	3753770.3	499.7	3.40	9.32	0.79	YES	
L0112722	0	0.65046E-02	489548.0	3753759.8	499.9	3.40	9.32	0.79	YES	
L0112723	0	0.65046E-02	489565.1	3753749.4	500.0	3.40	9.32	0.79	YES	
L0112724	0	0.65046E-02	489582.2	3753739.0	500.0	3.40	9.32	0.79	YES	
L0112725	0	0.65046E-02	489599.3	3753728.5	500.3	3.40	9.32	0.79	YES	
L0112726	0	0.65046E-02	489616.4	3753718.1	500.9	3.40	9.32	0.79	YES	
L0112727	0	0.65046E-02	489633.5	3753707.6	500.8	3.40	9.32	0.79	YES	
L0112728	0	0.65046E-02	489650.6	3753697.2	500.2	3.40	9.32	0.79	YES	
L0112729	0	0.65046E-02	489667.7	3753686.8	499.6	3.40	9.32	0.79	YES	
L0112730	0	0.65046E-02	489684.8	3753676.3	498.6	3.40	9.32	0.79	YES	
L0112731	0	0.65046E-02	489701.9	3753665.9	499.3	3.40	9.32	0.79	YES	
L0112732	0	0.65046E-02	489719.0	3753655.4	500.9	3.40	9.32	0.79	YES	
L0112733	0	0.65046E-02	489736.1	3753645.0	502.3	3.40	9.32	0.79	YES	
L0112734	0	0.65046E-02	489753.2	3753634.6	503.2	3.40	9.32	0.79	YES	
L0112735	0	0.65046E-02	489770.3	3753624.1	502.8	3.40	9.32	0.79	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112736	0	0.65046E-02	489787.4	3753613.7	502.6	3.40	9.32	0.79	YES	
L0112737	0	0.65046E-02	489804.5	3753603.2	502.2	3.40	9.32	0.79	YES	
L0112738	0	0.65046E-02	489821.6	3753592.8	501.5	3.40	9.32	0.79	YES	
L0112739	0	0.65046E-02	489838.7	3753582.4	500.8	3.40	9.32	0.79	YES	

L0112740	0	0.65046E-02	489855.8	3753571.9	501.1	3.40	9.32	0.79	YES
L0112741	0	0.65046E-02	489872.9	3753561.5	502.2	3.40	9.32	0.79	YES
L0112742	0	0.65046E-02	489890.0	3753551.0	503.3	3.40	9.32	0.79	YES
L0112743	0	0.65046E-02	489907.1	3753540.6	504.2	3.40	9.32	0.79	YES
L0112744	0	0.65046E-02	489924.2	3753530.2	504.1	3.40	9.32	0.79	YES
L0112745	0	0.65046E-02	489941.3	3753519.7	503.8	3.40	9.32	0.79	YES
L0112746	0	0.65046E-02	489958.4	3753509.3	502.9	3.40	9.32	0.79	YES
L0112747	0	0.65046E-02	489975.5	3753498.8	501.7	3.40	9.32	0.79	YES
L0112748	0	0.65046E-02	489992.6	3753488.4	500.9	3.40	9.32	0.79	YES
L0112749	0	0.65046E-02	490009.7	3753478.0	500.6	3.40	9.32	0.79	YES
L0112750	0	0.65046E-02	490026.7	3753467.5	500.6	3.40	9.32	0.79	YES
L0112751	0	0.65046E-02	490043.8	3753457.1	500.2	3.40	9.32	0.79	YES
L0112752	0	0.65046E-02	490060.9	3753446.6	500.8	3.40	9.32	0.79	YES
L0112753	0	0.65046E-02	490078.0	3753436.2	501.9	3.40	9.32	0.79	YES
L0112754	0	0.65046E-02	490095.1	3753425.8	502.6	3.40	9.32	0.79	YES
L0112755	0	0.10449E-02	490104.1	3753442.3	503.4	2.20	9.38	0.77	YES
L0112756	0	0.10449E-02	490121.5	3753432.0	503.6	2.20	9.38	0.77	YES
L0112757	0	0.10449E-02	490138.9	3753421.8	502.3	2.20	9.38	0.77	YES
L0112758	0	0.10449E-02	490156.2	3753411.5	502.4	2.20	9.38	0.77	YES
L0112759	0	0.10449E-02	490173.6	3753401.2	502.2	2.20	9.38	0.77	YES
L0112760	0	0.10449E-02	490191.0	3753391.0	501.1	2.20	9.38	0.77	YES
L0112761	0	0.10449E-02	490208.3	3753380.7	500.6	2.20	9.38	0.77	YES
L0112762	0	0.10449E-02	490225.7	3753370.4	500.8	2.20	9.38	0.77	YES
L0112763	0	0.10449E-02	490243.1	3753360.2	501.4	2.20	9.38	0.77	YES
L0112764	0	0.10449E-02	490260.4	3753349.9	501.3	2.20	9.38	0.77	YES
L0112765	0	0.10449E-02	490277.8	3753339.7	499.5	2.20	9.38	0.77	YES
L0112766	0	0.10449E-02	490295.2	3753329.4	497.8	2.20	9.38	0.77	YES
L0112767	0	0.10449E-02	490312.5	3753319.1	496.6	2.20	9.38	0.77	YES
L0112768	0	0.10449E-02	490329.9	3753308.9	495.7	2.20	9.38	0.77	YES
L0112769	0	0.10449E-02	490347.3	3753298.6	495.0	2.20	9.38	0.77	YES
L0112770	0	0.10449E-02	490364.6	3753288.3	495.1	2.20	9.38	0.77	YES
L0112771	0	0.10449E-02	490382.0	3753278.1	495.4	2.20	9.38	0.77	YES
L0112772	0	0.10449E-02	490399.4	3753267.8	495.7	2.20	9.38	0.77	YES
L0112773	0	0.10449E-02	490416.7	3753257.6	496.4	2.20	9.38	0.77	YES
L0112774	0	0.10449E-02	490434.1	3753247.3	496.3	2.20	9.38	0.77	YES
L0112775	0	0.10449E-02	490451.5	3753237.0	495.4	2.20	9.38	0.77	YES

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112776	0	0.10449E-02	490468.8	3753226.8	493.8	2.20	9.38	0.77	YES	
L0112777	0	0.10449E-02	490486.2	3753216.5	491.9	2.20	9.38	0.77	YES	
L0112778	0	0.10449E-02	490503.6	3753206.2	490.8	2.20	9.38	0.77	YES	
L0112779	0	0.10449E-02	490520.9	3753196.0	489.8	2.20	9.38	0.77	YES	
L0112780	0	0.10449E-02	490538.3	3753185.7	489.2	2.20	9.38	0.77	YES	
L0112781	0	0.10449E-02	490555.7	3753175.5	488.9	2.20	9.38	0.77	YES	
L0112782	0	0.10449E-02	490573.0	3753165.2	489.4	2.20	9.38	0.77	YES	
L0112783	0	0.10449E-02	490590.4	3753154.9	490.2	2.20	9.38	0.77	YES	
L0112784	0	0.10449E-02	490607.8	3753144.7	491.2	2.20	9.38	0.77	YES	
L0112785	0	0.10449E-02	490625.1	3753134.4	491.9	2.20	9.38	0.77	YES	
L0112786	0	0.10449E-02	490642.5	3753124.1	491.4	2.20	9.38	0.77	YES	
L0112787	0	0.10449E-02	490657.6	3753111.4	489.4	2.20	9.38	0.77	YES	
L0112788	0	0.10449E-02	490669.5	3753095.1	487.1	2.20	9.38	0.77	YES	
L0112789	0	0.10449E-02	490681.4	3753078.8	485.6	2.20	9.38	0.77	YES	
L0112790	0	0.10449E-02	490693.3	3753062.5	485.1	2.20	9.38	0.77	YES	
L0112791	0	0.10449E-02	490705.2	3753046.2	484.5	2.20	9.38	0.77	YES	
L0112792	0	0.10449E-02	490717.1	3753029.9	484.2	2.20	9.38	0.77	YES	
L0112793	0	0.10449E-02	490729.0	3753013.6	483.7	2.20	9.38	0.77	YES	
L0112794	0	0.10449E-02	490740.9	3752997.3	482.8	2.20	9.38	0.77	YES	
L0112795	0	0.10449E-02	490752.8	3752981.1	481.0	2.20	9.38	0.77	YES	
L0112796	0	0.10449E-02	490764.7	3752964.8	478.8	2.20	9.38	0.77	YES	
L0112797	0	0.10449E-02	490776.6	3752948.5	477.9	2.20	9.38	0.77	YES	
L0112798	0	0.10449E-02	490788.4	3752932.2	478.1	2.20	9.38	0.77	YES	
L0112799	0	0.10449E-02	490800.3	3752915.9	478.2	2.20	9.38	0.77	YES	
L0112800	0	0.10449E-02	490812.2	3752899.6	477.2	2.20	9.38	0.77	YES	
L0112801	0	0.10449E-02	490824.1	3752883.3	475.5	2.20	9.38	0.77	YES	
L0112802	0	0.10449E-02	490836.0	3752867.0	474.1	2.20	9.38	0.77	YES	
L0112803	0	0.10449E-02	490847.9	3752850.7	473.1	2.20	9.38	0.77	YES	
L0112804	0	0.10449E-02	490859.8	3752834.4	473.0	2.20	9.38	0.77	YES	
L0112805	0	0.10449E-02	490871.7	3752818.1	473.0	2.20	9.38	0.77	YES	
L0112806	0	0.10449E-02	490883.6	3752801.8	473.0	2.20	9.38	0.77	YES	
L0112807	0	0.10449E-02	490895.5	3752785.5	472.9	2.20	9.38	0.77	YES	
L0112808	0	0.10449E-02	490907.4	3752769.2	472.3	2.20	9.38	0.77	YES	
L0112809	0	0.10449E-02	490919.2	3752752.9	472.0	2.20	9.38	0.77	YES	
L0112810	0	0.10449E-02	490931.1	3752736.6	472.4	2.20	9.38	0.77	YES	
L0112811	0	0.10449E-02	490943.0	3752720.3	472.8	2.20	9.38	0.77	YES	
L0112812	0	0.10449E-02	490954.9	3752704.0	473.0	2.20	9.38	0.77	YES	
L0112813	0	0.10449E-02	490966.8	3752687.7	472.6	2.20	9.38	0.77	YES	
L0112814	0	0.10449E-02	490978.7	3752671.4	472.1	2.20	9.38	0.77	YES	
L0112815	0	0.10449E-02	490990.6	3752655.1	471.5	2.20	9.38	0.77	YES	

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112816	0	0.10449E-02	491002.5	3752638.8	471.0	2.20	9.38	0.77	YES	
L0112817	0	0.10449E-02	491014.4	3752622.6	471.7	2.20	9.38	0.77	YES	

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L0112818         0   0.10449E-02  491026.3 3752606.3   472.4     2.20     9.38     0.77     YES
L0112819         0   0.10449E-02  491038.2 3752590.0   472.2     2.20     9.38     0.77     YES
L0112820         0   0.10449E-02  491050.1 3752573.7   471.2     2.20     9.38     0.77     YES
L0112821         0   0.10449E-02  491061.9 3752557.4   470.7     2.20     9.38     0.77     YES
L0112822         0   0.10449E-02  491073.8 3752541.1   470.8     2.20     9.38     0.77     YES
L0112823         0   0.10449E-02  491085.7 3752524.8   471.0     2.20     9.38     0.77     YES
L0112824         0   0.10449E-02  491097.6 3752508.5   470.7     2.20     9.38     0.77     YES
L0112825         0   0.10449E-02  491109.5 3752492.2   468.3     2.20     9.38     0.77     YES
L0112826         0   0.10449E-02  491121.4 3752475.9   465.7     2.20     9.38     0.77     YES
L0112827         0   0.10449E-02  491133.3 3752459.6   464.0     2.20     9.38     0.77     YES
L0112828         0   0.10449E-02  491145.2 3752443.3   464.0     2.20     9.38     0.77     YES
L0112829         0   0.10449E-02  491157.1 3752427.0   464.3     2.20     9.38     0.77     YES
L0112830         0   0.10449E-02  491169.0 3752410.7   461.9     2.20     9.38     0.77     YES
L0112831         0   0.10449E-02  491180.9 3752394.4   460.3     2.20     9.38     0.77     YES
L0112832         0   0.10449E-02  491192.7 3752378.1   460.5     2.20     9.38     0.77     YES
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE  20
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                        FASTALL                                                 OLM

                                          *** AREAPOLY SOURCE DATA ***

              NUMBER EMISSION RATE   LOCATION OF AREA  BASE     RELEASE  NUMBER      INIT.   URBAN  EMISSION RATE
   SOURCE      PART.  (GRAMS/SEC      X        Y      ELEV.    HEIGHT  OF VERTS.     SZ     SOURCE  SCALAR VARY
     ID        CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS)            (METERS)              BY
- - - -
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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)   ***        12/02/12
                                    *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE  23
 **MODELOPTs:  NonDFAULT CONC                                                    ELEV
                        FASTALL                                                          OLM

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                 SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)   ***        12/02/12
                                    *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE  24
 **MODELOPTs:  NonDFAULT CONC                                                    ELEV
                        FASTALL                                                          OLM

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                 SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE  25
 **MODELOPTs:  NonDFAULT CONC                                                ELEV
                         FASTALL                                                   OLM

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                 SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE  26
 **MODELOPTs:  NonDFAULT CONC                                                ELEV
                         FASTALL                                                   OLM

                                          *** SOURCE IDs DEFINING OLM SOURCE GROUPS ***
                                          ***        FOR COMBINING PLUMES           ***

 OLMGRP ID                                                SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE  27
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**MODELOPTS:  NonDFAULT CONC                                        ELEV
              FASTALL                                                     OLM

                         *** SOURCE IDs DEFINING OLM SOURCE GROUPS ***
                         ***        FOR COMBINING PLUMES           ***

OLMGRP ID                                   SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)   ***        12/02/12
                                   *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                       PAGE  28
**MODELOPTS:  NonDFAULT CONC                                        ELEV
              FASTALL                                                     OLM

                         *** SOURCE IDs DEFINING OLM SOURCE GROUPS ***
                         ***        FOR COMBINING PLUMES           ***

OLMGRP ID                                   SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)   ***        12/02/12
                                   *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                       PAGE  29
**MODELOPTS:  NonDFAULT CONC                                        ELEV
              FASTALL                                                     OLM

                         *** SOURCE IDs DEFINING OLM SOURCE GROUPS ***
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                                        ***        FOR COMBINING PLUMES          ***

OLMGRP ID                                                SOURCE IDs

          L0112615    , L0112616    , L0112617    , L0112618    , L0112619    , L0112620    , L0112621    , L0112622    ,
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          L0112695    , L0112696    , L0112697    , L0112698    , L0112699    , L0112700    , L0112701    , L0112702    ,
          L0112703    , L0112704    , L0112705    , L0112706    , L0112707    , L0112708    , L0112709    , L0112710    ,
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          L0112759    , L0112760    , L0112761    , L0112762    , L0112763    , L0112764    , L0112765    , L0112766    ,
          L0112767    , L0112768    , L0112769    , L0112770    , L0112771    , L0112772    , L0112773    , L0112774    ,
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                   *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                       PAGE  30
**MODELOPTs:  NonDFAULT CONC                                                    ELEV
                        FASTALL                                                         OLM

                                        *** SOURCE IDs DEFINING OLM SOURCE GROUPS ***
                                        ***        FOR COMBINING PLUMES          ***

OLMGRP ID                                                SOURCE IDs

          L0112775    , L0112776    , L0112777    , L0112778    , L0112779    , L0112780    , L0112781    , L0112782    ,
          L0112783    , L0112784    , L0112785    , L0112786    , L0112787    , L0112788    , L0112789    , L0112790    ,
          L0112791    , L0112792    , L0112793    , L0112794    , L0112795    , L0112796    , L0112797    , L0112798    ,
          L0112799    , L0112800    , L0112801    , L0112802    , L0112803    , L0112804    , L0112805    , L0112806    ,
          L0112807    , L0112808    , L0112809    , L0112810    , L0112811    , L0112812    , L0112813    , L0112814    ,
          L0112815    , L0112816    , L0112817    , L0112818    , L0112819    , L0112820    , L0112821    , L0112822    ,
          L0112823    , L0112824    , L0112825    , L0112826    , L0112827    , L0112828    , L0112829    , L0112830    ,
          L0112831    , L0112832    , PHASE2      ,
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                   *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                       PAGE  31
**MODELOPTs:  NonDFAULT CONC                                                    ELEV
                        FASTALL                                                         OLM

                                        *** IN-STACK NO2 RATIOS FOR OLM/PVMRM OPTIONS ***

SOURCE_ID    NO2_RATIO      SOURCE_ID    NO2_RATIO      SOURCE_ID    NO2_RATIO      SOURCE_ID    NO2_RATIO

PHASE1         0.100        L0112172       0.100        L0112173       0.100        L0112174       0.100
L0112175       0.100        L0112176       0.100        L0112177       0.100        L0112178       0.100
L0112179       0.100        L0112180       0.100        L0112181       0.100        L0112182       0.100
L0112183       0.100        L0112184       0.100        L0112185       0.100        L0112186       0.100
L0112187       0.100        L0112188       0.100        L0112189       0.100        L0112190       0.100
L0112191       0.100        L0112192       0.100        L0112193       0.100        L0112194       0.100
L0112195       0.100        L0112196       0.100        L0112197       0.100        L0112198       0.100
L0112199       0.100        L0112200       0.100        L0112201       0.100        L0112202       0.100
L0112203       0.100        L0112204       0.100        L0112205       0.100        L0112206       0.100
L0112207       0.100        L0112208       0.100        L0112209       0.100        L0112210       0.100
L0112211       0.100        L0112212       0.100        L0112213       0.100        L0112214       0.100
L0112215       0.100        L0112216       0.100        L0112217       0.100        L0112218       0.100
L0112219       0.100        L0112220       0.100        L0112221       0.100        L0112222       0.100
L0112223       0.100        L0112224       0.100        L0112225       0.100        L0112226       0.100
L0112227       0.100        L0112228       0.100        L0112229       0.100        L0112230       0.100
L0112231       0.100        L0112232       0.100        L0112233       0.100        L0112234       0.100
L0112235       0.100        L0112236       0.100        L0112237       0.100        L0112238       0.100
L0112239       0.100        L0112240       0.100        L0112241       0.100        L0112242       0.100
L0112243       0.100        L0112244       0.100        L0112245       0.100        L0112246       0.100
L0112247       0.100        L0112248       0.100        L0112249       0.100        L0112250       0.100
L0112251       0.100        L0112252       0.100        L0112253       0.100        L0112254       0.100
L0112255       0.100        L0112256       0.100        L0112257       0.100        L0112258       0.100
L0112259       0.100        L0112260       0.100        L0112261       0.100        L0112262       0.100
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L0112271	0.100	L0112272	0.100	L0112273	0.100	L0112274	0.100
L0112275	0.100	L0112276	0.100	L0112277	0.100	L0112278	0.100
L0112279	0.100	L0112280	0.100	L0112281	0.100	L0112282	0.100
L0112283	0.100	L0112284	0.100	L0112285	0.100	L0112286	0.100
L0112287	0.100	L0112288	0.100	L0112289	0.100	L0112290	0.100
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L0112295	0.100	L0112296	0.100	L0112297	0.100	L0112298	0.100
L0112299	0.100	L0112300	0.100	L0112301	0.100	L0112302	0.100
L0112303	0.100	L0112304	0.100	L0112305	0.100	L0112306	0.100
L0112307	0.100	L0112308	0.100	L0112309	0.100	L0112310	0.100
L0112311	0.100	L0112312	0.100	L0112313	0.100	L0112314	0.100
L0112315	0.100	L0112316	0.100	L0112317	0.100	L0112318	0.100
L0112319	0.100	L0112320	0.100	L0112321	0.100	L0112322	0.100
L0110325	0.100	L0110326	0.100	L0110327	0.100	L0110328	0.100
L0110329	0.100	L0110330	0.100	L0110331	0.100	L0110332	0.100

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** IN-STACK NO2 RATIOS FOR OLM/PVMRM OPTIONS ***

SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO
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L0110337	0.100	L0110338	0.100	L0110339	0.100	L0110340	0.100
L0110341	0.100	L0110342	0.100	L0110343	0.100	L0110344	0.100
L0110345	0.100	L0110346	0.100	L0110347	0.100	L0110348	0.100
L0110349	0.100	L0110350	0.100	L0110351	0.100	L0110352	0.100
L0110353	0.100	L0110354	0.100	L0110355	0.100	L0110356	0.100
L0110357	0.100	L0110358	0.100	L0110359	0.100	L0110360	0.100
L0112323	0.100	L0112324	0.100	L0112325	0.100	L0112326	0.100
L0112327	0.100	L0112328	0.100	L0112329	0.100	L0112330	0.100
L0112331	0.100	L0112332	0.100	L0112333	0.100	L0112334	0.100
L0112335	0.100	L0112336	0.100	L0112337	0.100	L0112338	0.100
L0112339	0.100	L0112340	0.100	L0112341	0.100	L0112342	0.100
L0112343	0.100	L0112344	0.100	L0112345	0.100	L0112346	0.100
L0112347	0.100	L0112348	0.100	L0112349	0.100	L0112350	0.100
L0112351	0.100	L0112352	0.100	L0112353	0.100	L0112354	0.100
L0112355	0.100	L0112356	0.100	L0112357	0.100	L0112358	0.100
L0112359	0.100	L0112360	0.100	L0112361	0.100	L0112362	0.100
L0112363	0.100	L0112364	0.100	L0112365	0.100	L0112366	0.100
L0112367	0.100	L0112368	0.100	L0112369	0.100	L0112370	0.100
L0112371	0.100	L0112372	0.100	L0112373	0.100	L0112374	0.100
L0112375	0.100	L0112376	0.100	L0112377	0.100	L0112378	0.100
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L0112383	0.100	L0112384	0.100	L0112385	0.100	L0112386	0.100
L0112387	0.100	L0112388	0.100	L0112389	0.100	L0112390	0.100
L0112391	0.100	L0112392	0.100	L0112393	0.100	L0112394	0.100
L0112395	0.100	L0112396	0.100	L0112397	0.100	L0112398	0.100
L0112399	0.100	L0112400	0.100	L0112401	0.100	L0112402	0.100
L0112403	0.100	L0112404	0.100	L0112405	0.100	L0112406	0.100
L0112407	0.100	L0112408	0.100	L0112409	0.100	L0112410	0.100
L0112411	0.100	L0112412	0.100	L0112413	0.100	L0112414	0.100
L0112415	0.100	L0112416	0.100	L0112417	0.100	L0112418	0.100
L0112419	0.100	L0112420	0.100	L0112421	0.100	L0112422	0.100
L0112423	0.100	L0112424	0.100	L0112425	0.100	L0112426	0.100
L0112427	0.100	L0112428	0.100	L0112429	0.100	L0112430	0.100
L0112431	0.100	L0112432	0.100	L0112433	0.100	L0112434	0.100
L0112435	0.100	L0112436	0.100	L0112437	0.100	L0112438	0.100
L0112439	0.100	L0112440	0.100	L0112441	0.100	L0112442	0.100
L0112443	0.100	L0112444	0.100	L0112445	0.100	L0112446	0.100
L0112447	0.100	L0112448	0.100	L0112449	0.100	L0112450	0.100
L0112451	0.100	L0112452	0.100	L0112453	0.100	L0112454	0.100

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** IN-STACK NO2 RATIOS FOR OLM/PVMRM OPTIONS ***

SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO
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L0112463	0.100	L0112464	0.100	L0112465	0.100	L0112466	0.100
L0112467	0.100	L0112468	0.100	L0112469	0.100	L0112470	0.100
L0112471	0.100	L0112472	0.100	L0112473	0.100	L0112474	0.100
L0112475	0.100	L0112476	0.100	L0112477	0.100	L0112478	0.100
L0112479	0.100	L0112480	0.100	L0112481	0.100	L0112482	0.100
L0112483	0.100	L0112484	0.100	L0112485	0.100	L0112486	0.100
L0112487	0.100	L0112488	0.100	L0112489	0.100	L0112490	0.100
L0112491	0.100	L0112492	0.100	L0112493	0.100	L0112494	0.100
L0112495	0.100	L0112496	0.100	L0112497	0.100	L0112498	0.100
L0112499	0.100	L0112500	0.100	L0112501	0.100	L0112502	0.100
L0112503	0.100	L0112504	0.100	L0112505	0.100	L0112506	0.100
L0112507	0.100	L0112508	0.100	L0112509	0.100	L0112510	0.100
L0112511	0.100	L0112512	0.100	L0112513	0.100	L0112514	0.100
L0112515	0.100	L0112516	0.100	L0112517	0.100	L0112518	0.100
L0112519	0.100	L0112520	0.100	L0112521	0.100	L0112522	0.100
L0112523	0.100	L0112524	0.100	L0112525	0.100	L0112526	0.100
L0112527	0.100	L0112528	0.100	L0112529	0.100	L0112530	0.100
L0112531	0.100	L0112532	0.100	L0112533	0.100	L0112534	0.100
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L0112555	0.100	L0112556	0.100	L0112557	0.100	L0112558	0.100
L0112559	0.100	L0112560	0.100	L0112561	0.100	L0112562	0.100
L0112563	0.100	L0112564	0.100	L0112565	0.100	L0112566	0.100
L0112567	0.100	L0112568	0.100	L0112569	0.100	L0112570	0.100
L0112571	0.100	L0112572	0.100	L0112573	0.100	L0112574	0.100
L0112575	0.100	L0112576	0.100	L0112577	0.100	L0112578	0.100
L0112579	0.100	L0112580	0.100	L0112581	0.100	L0112582	0.100
L0112583	0.100	L0112584	0.100	L0112585	0.100	L0112586	0.100
L0112587	0.100	L0112588	0.100	L0112589	0.100	L0112590	0.100
L0112591	0.100	L0112592	0.100	L0112593	0.100	L0112594	0.100
L0112595	0.100	L0112596	0.100	L0112597	0.100	L0112598	0.100
L0112599	0.100	L0112600	0.100	L0112601	0.100	L0112602	0.100
L0112603	0.100	L0112604	0.100	L0112605	0.100	L0112606	0.100
L0112607	0.100	L0112608	0.100	L0112609	0.100	L0112610	0.100
L0112611	0.100	L0112612	0.100	L0112613	0.100	L0112614	0.100

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** IN-STACK NO2 RATIOS FOR OLM/PVMRM OPTIONS ***

SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO
L0112615	0.100	L0112616	0.100	L0112617	0.100	L0112618	0.100
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L0112623	0.100	L0112624	0.100	L0112625	0.100	L0112626	0.100
L0112627	0.100	L0112628	0.100	L0112629	0.100	L0112630	0.100
L0112631	0.100	L0112632	0.100	L0112633	0.100	L0112634	0.100
L0112635	0.100	L0112636	0.100	L0112637	0.100	L0112638	0.100
L0112639	0.100	L0112640	0.100	L0112641	0.100	L0112642	0.100
L0112643	0.100	L0112644	0.100	L0112645	0.100	L0112646	0.100
L0112647	0.100	L0112648	0.100	L0112649	0.100	L0112650	0.100
L0112651	0.100	L0112652	0.100	L0112653	0.100	L0112654	0.100
L0112655	0.100	L0112656	0.100	L0112657	0.100	L0112658	0.100
L0112659	0.100	L0112660	0.100	L0112661	0.100	L0112662	0.100
L0112663	0.100	L0112664	0.100	L0112665	0.100	L0112666	0.100
L0112667	0.100	L0112668	0.100	L0112669	0.100	L0112670	0.100
L0112671	0.100	L0112672	0.100	L0112673	0.100	L0112674	0.100
L0112675	0.100	L0112676	0.100	L0112677	0.100	L0112678	0.100
L0112679	0.100	L0112680	0.100	L0112681	0.100	L0112682	0.100
L0112683	0.100	L0112684	0.100	L0112685	0.100	L0112686	0.100
L0112687	0.100	L0112688	0.100	L0112689	0.100	L0112690	0.100
L0112691	0.100	L0112692	0.100	L0112693	0.100	L0112694	0.100
L0112695	0.100	L0112696	0.100	L0112697	0.100	L0112698	0.100
L0112699	0.100	L0112700	0.100	L0112701	0.100	L0112702	0.100
L0112703	0.100	L0112704	0.100	L0112705	0.100	L0112706	0.100
L0112707	0.100	L0112708	0.100	L0112709	0.100	L0112710	0.100
L0112711	0.100	L0112712	0.100	L0112713	0.100	L0112714	0.100
L0112715	0.100	L0112716	0.100	L0112717	0.100	L0112718	0.100
L0112719	0.100	L0112720	0.100	L0112721	0.100	L0112722	0.100
L0112723	0.100	L0112724	0.100	L0112725	0.100	L0112726	0.100
L0112727	0.100	L0112728	0.100	L0112729	0.100	L0112730	0.100
L0112731	0.100	L0112732	0.100	L0112733	0.100	L0112734	0.100
L0112735	0.100	L0112736	0.100	L0112737	0.100	L0112738	0.100
L0112739	0.100	L0112740	0.100	L0112741	0.100	L0112742	0.100
L0112743	0.100	L0112744	0.100	L0112745	0.100	L0112746	0.100
L0112747	0.100	L0112748	0.100	L0112749	0.100	L0112750	0.100
L0112751	0.100	L0112752	0.100	L0112753	0.100	L0112754	0.100
L0112755	0.100	L0112756	0.100	L0112757	0.100	L0112758	0.100
L0112759	0.100	L0112760	0.100	L0112761	0.100	L0112762	0.100
L0112763	0.100	L0112764	0.100	L0112765	0.100	L0112766	0.100
L0112767	0.100	L0112768	0.100	L0112769	0.100	L0112770	0.100
L0112771	0.100	L0112772	0.100	L0112773	0.100	L0112774	0.100

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** IN-STACK NO2 RATIOS FOR OLM/PVMRM OPTIONS ***

SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO
L0112775	0.100	L0112776	0.100	L0112777	0.100	L0112778	0.100
L0112779	0.100	L0112780	0.100	L0112781	0.100	L0112782	0.100
L0112783	0.100	L0112784	0.100	L0112785	0.100	L0112786	0.100
L0112787	0.100	L0112788	0.100	L0112789	0.100	L0112790	0.100
L0112791	0.100	L0112792	0.100	L0112793	0.100	L0112794	0.100
L0112795	0.100	L0112796	0.100	L0112797	0.100	L0112798	0.100
L0112799	0.100	L0112800	0.100	L0112801	0.100	L0112802	0.100
L0112803	0.100	L0112804	0.100	L0112805	0.100	L0112806	0.100
L0112807	0.100	L0112808	0.100	L0112809	0.100	L0112810	0.100
L0112811	0.100	L0112812	0.100	L0112813	0.100	L0112814	0.100
L0112815	0.100	L0112816	0.100	L0112817	0.100	L0112818	0.100
L0112819	0.100	L0112820	0.100	L0112821	0.100	L0112822	0.100
L0112823	0.100	L0112824	0.100	L0112825	0.100	L0112826	0.100
L0112827	0.100	L0112828	0.100	L0112829	0.100	L0112830	0.100
L0112831	0.100	L0112832	0.100	PHASE2	0.100		

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

461553.0, 462553.0, 463553.0, 464553.0, 465553.0, 466553.0, 467553.0, 468553.0, 469553.0, 470553.0,
471553.0, 472553.0, 473553.0, 474553.0, 475553.0, 476553.0, 477553.0, 478553.0, 479553.0, 480553.0,
481553.0, 482553.0, 483553.0, 484553.0, 485553.0, 486553.0, 487553.0, 488553.0, 489553.0, 490553.0,
491553.0, 492553.0, 493553.0, 494553.0, 495553.0, 496553.0, 497553.0, 498553.0, 499553.0, 500553.0,
501553.0, 502553.0, 503553.0, 504553.0, 505553.0,

*** Y-COORDINATES OF GRID ***
(METERS)

3741938.3, 3742938.3, 3743938.3, 3744938.3, 3745938.3, 3746938.3, 3747938.3, 3748938.3, 3749938.3, 3750938.3,
3751938.3, 3752938.3, 3753938.3, 3754938.3, 3755938.3, 3756938.3, 3757938.3, 3758938.3, 3759938.3, 3760938.3,
3761938.3, 3762938.3, 3763938.3, 3764938.3, 3765938.3, 3766938.3, 3767938.3,

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	317.90	315.50	311.70	305.80	301.50	279.60	278.50	272.60	279.20
3766938.31	336.30	305.50	294.90	294.00	283.00	268.30	267.10	395.80	277.90
3765938.31	325.60	405.70	301.30	289.30	287.10	261.20	293.50	397.30	291.80
3764938.31	311.30	365.90	350.10	293.30	273.50	258.00	261.00	288.90	288.10
3763938.31	295.70	394.50	275.10	267.50	248.90	253.00	257.10	276.60	299.60
3762938.31	266.30	266.90	261.00	243.60	247.90	254.20	263.80	281.00	306.80
3761938.31	242.70	240.00	239.10	241.70	250.50	255.90	268.10	287.50	312.50
3760938.31	227.40	232.20	233.60	267.10	260.30	266.80	279.00	295.10	323.80
3759938.31	231.00	227.90	306.60	254.10	267.80	278.00	287.90	303.00	326.30
3758938.31	225.00	236.10	253.00	263.10	271.10	278.30	294.20	306.30	325.20
3757938.31	242.90	247.20	257.60	287.20	273.70	269.10	286.50	309.40	333.40
3756938.31	240.20	249.30	257.40	270.00	287.90	314.60	321.20	305.30	333.60
3755938.31	246.00	257.10	266.10	276.80	293.20	340.60	359.10	392.00	355.20
3754938.31	248.50	260.00	276.80	296.00	315.10	378.50	397.50	424.40	446.50
3753938.31	260.60	269.80	285.70	300.20	343.20	384.50	408.70	459.30	492.70
3752938.31	270.20	283.70	306.80	324.20	359.90	410.50	453.20	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	370.10	406.50	435.60	459.70	473.80
3750938.31	302.60	319.90	344.80	357.00	359.90	410.40	467.40	475.40	487.80
3749938.31	329.00	337.50	391.80	442.20	444.30	439.90	466.10	486.40	501.00
3748938.31	396.00	335.40	377.80	424.70	452.80	466.30	492.50	530.60	513.50
3747938.31	427.10	444.20	382.70	398.40	434.20	525.50	527.90	535.40	508.80
3746938.31	441.20	476.80	468.20	415.80	447.50	476.50	480.20	486.90	492.60
3745938.31	443.70	473.10	464.50	438.00	420.80	444.80	467.60	496.10	513.30
3744938.31	430.60	450.90	441.80	434.80	446.20	468.50	540.20	507.00	518.10
3743938.31	417.00	420.10	430.30	443.00	447.20	451.30	469.00	476.40	478.80
3742938.31	435.90	446.30	466.50	498.00	501.00	511.50	481.80	517.80	556.40
3741938.31	474.60	533.00	551.60	552.10	619.20	572.30	597.50	653.00	564.20

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	283.60	289.00	304.20	312.00	323.50	341.00	348.00	353.60	357.50
3766938.31	301.20	333.70	340.60	336.20	384.40	409.90	380.20	386.80	384.50
3765938.31	313.20	342.50	448.10	359.20	407.10	458.80	482.50	461.70	459.60
3764938.31	311.10	346.40	657.00	455.30	395.40	467.20	504.80	545.20	510.30
3763938.31	325.70	353.10	435.90	504.40	420.40	430.90	500.60	554.40	626.90
3762938.31	318.70	356.60	382.20	408.20	498.60	534.40	470.90	509.90	539.10
3761938.31	411.70	551.30	580.90	449.90	615.40	776.00	690.30	617.60	548.30
3760938.31	399.70	469.40	625.60	642.80	582.20	632.10	814.90	830.10	632.90
3759938.31	352.70	380.50	666.10	820.90	599.20	547.70	579.10	784.30	625.60
3758938.31	356.30	404.00	732.30	830.30	615.10	544.90	541.10	565.00	602.60
3757938.31	390.90	429.40	509.10	790.60	782.00	562.30	524.60	545.10	576.90
3756938.31	396.60	462.40	469.80	513.40	695.40	563.20	521.90	516.20	540.60
3755938.31	451.40	484.60	457.40	488.80	514.90	515.10	503.90	508.20	511.80
3754938.31	462.00	468.90	467.80	474.40	483.10	495.10	497.10	497.00	496.10
3753938.31	485.80	444.20	462.50	468.20	470.10	483.70	489.90	488.60	488.00
3752938.31	496.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	499.70	534.90	498.40	478.90	472.10	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	472.60	465.30	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	467.20	456.80	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	476.10	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	454.60	452.80	451.90
3746938.31	525.30	513.50	511.80	533.20	519.10	469.50	454.30	454.50	447.50
3745938.31	546.30	513.20	510.80	517.60	521.80	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	533.40	477.40	461.80	449.40	445.80
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	522.10	528.30	527.90	518.60	512.50	490.80	475.50	452.00	447.80
3741938.31	593.90	581.10	555.50	534.60	537.70	549.40	498.00	460.30	442.90

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD | X-COORD (METERS)

(METERS)	479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	373.90	406.60	408.60	429.30	457.00	476.70	495.00	534.80	562.90
3765938.31	441.20	390.60	450.20	458.00	486.40	516.70	539.40	562.30	602.20
3764938.31	472.90	447.20	408.10	450.00	508.00	549.40	579.80	596.40	630.70
3763938.31	573.90	480.90	465.10	443.30	451.50	526.90	616.60	643.00	665.40
3762938.31	633.40	621.10	497.10	513.60	500.30	473.20	549.60	558.50	597.70
3761938.31	633.80	696.10	578.40	595.10	536.00	493.00	521.50	573.40	589.70
3760938.31	612.70	771.50	774.50	667.50	632.60	595.90	532.50	510.00	543.10
3759938.31	750.20	721.00	823.40	796.40	718.30	624.10	577.90	559.90	566.90
3758938.31	769.50	817.80	682.00	715.80	715.30	649.00	632.00	705.60	627.80
3757938.31	654.20	735.40	726.40	625.20	646.60	603.80	643.90	673.20	703.70
3756938.31	578.40	596.10	632.00	636.80	574.80	581.40	584.90	593.20	633.90
3755938.31	534.90	550.50	557.10	551.80	558.10	556.20	551.80	549.40	578.00
3754938.31	501.90	518.80	513.20	530.30	535.20	537.10	527.60	525.60	526.30
3753938.31	484.50	494.20	500.90	507.30	527.20	515.60	503.90	503.00	496.40
3752938.31	472.20	481.00	482.10	483.90	484.30	487.50	488.10	487.40	479.60
3751938.31	472.00	468.70	466.60	469.20	467.20	475.60	513.80	650.90	533.40
3750938.31	462.20	464.30	454.80	461.90	476.80	531.30	771.00	658.60	548.10
3749938.31	461.90	456.70	491.00	524.00	524.30	563.50	580.90	550.10	513.70
3748938.31	453.60	458.80	528.40	666.50	545.30	516.50	507.70	500.10	534.60
3747938.31	448.80	453.60	630.60	614.60	504.60	497.40	478.00	495.60	566.60
3746938.31	443.40	457.10	486.30	478.00	478.00	478.00	478.00	535.10	465.60
3745938.31	444.60	444.00	451.50	478.00	478.00	478.00	544.70	620.50	435.80
3744938.31	442.20	442.80	446.20	452.70	478.00	491.40	688.80	460.70	434.70
3743938.31	442.20	443.90	443.80	449.80	518.60	704.30	461.70	433.40	439.40
3742938.31	443.00	436.50	441.80	460.50	485.80	462.50	436.60	434.40	437.20
3741938.31	440.00	440.00	443.20	464.70	494.00	451.40	435.10	436.80	444.80

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	585.60	659.90	750.50	849.50	964.60	887.60	799.80	842.60
3766938.31	620.90	644.20	726.40	740.70	749.70	765.90	746.90	783.40	825.20
3765938.31	647.50	671.10	648.30	644.30	667.00	700.80	752.10	785.40	821.00
3764938.31	645.70	628.90	634.80	634.90	658.40	717.30	744.10	769.90	803.90
3763938.31	641.80	636.10	611.10	647.70	662.20	696.20	735.10	762.10	788.90
3762938.31	567.80	579.90	612.80	639.70	683.70	703.20	737.10	760.10	788.60
3761938.31	645.00	662.30	670.20	680.00	684.30	717.00	734.10	758.40	782.00
3760938.31	605.10	665.70	651.20	671.30	699.20	686.90	709.50	748.60	777.00
3759938.31	554.60	565.70	601.70	627.90	662.80	672.60	705.00	707.60	735.00
3758938.31	691.80	646.90	606.20	641.40	617.10	646.90	656.00	701.50	705.00
3757938.31	708.00	700.40	691.40	714.50	700.80	636.00	691.20	708.50	717.50
3756938.31	671.60	698.80	672.20	693.20	762.30	676.60	660.50	722.70	744.70
3755938.31	584.70	625.90	643.00	724.20	685.50	740.50	714.80	678.00	696.50
3754938.31	538.80	559.60	583.70	611.70	661.10	631.20	658.60	711.00	714.10
3753938.31	497.80	504.20	536.20	577.90	576.60	604.60	594.70	629.30	712.60
3752938.31	476.00	484.00	483.20	521.60	511.20	551.60	565.60	597.80	713.90
3751938.31	461.80	464.20	456.50	460.80	483.90	546.20	559.10	588.10	668.30
3750938.31	452.20	443.30	437.30	433.00	456.70	508.60	521.70	564.30	641.50
3749938.31	440.90	437.90	432.30	428.00	441.00	462.30	480.10	618.00	616.20
3748938.31	447.80	435.20	433.30	430.10	431.40	434.70	436.80	562.80	649.90
3747938.31	441.10	433.70	435.40	437.00	430.60	428.00	432.60	441.60	530.80
3746938.31	435.20	470.70	436.80	436.10	434.50	439.70	433.90	437.50	452.70
3745938.31	432.10	434.70	437.10	439.10	440.90	438.60	438.10	435.60	446.20
3744938.31	435.10	440.90	436.10	438.20	441.30	441.00	441.10	438.90	439.20
3743938.31	445.10	447.60	443.00	442.10	473.20	470.40	440.10	441.00	440.30
3742938.31	453.00	463.60	463.40	470.40	558.30	719.10	644.10	446.20	448.60
3741938.31	459.30	477.60	489.00	576.80	623.40	693.40	713.10	512.00	449.70

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	884.20	929.90	993.80	1066.90	1171.60	1243.50	1319.20	1434.80	1630.30
3766938.31	883.00	946.60	1050.80	1085.60	1198.10	1517.00	1503.00	1502.80	1502.40
3765938.31	883.90	1004.20	1177.00	1131.40	1192.90	1410.70	1471.10	1478.60	1400.30
3764938.31	850.10	947.40	1013.60	1008.70	1179.60	1281.10	1301.70	1306.10	1382.20
3763938.31	829.40	857.30	905.40	964.90	1044.10	1180.20	1202.20	1179.70	1257.70
3762938.31	822.50	865.90	944.60	1007.70	1037.60	1078.00	1127.90	1158.40	1182.30
3761938.31	809.00	878.30	953.60	1169.40	1036.50	1099.60	1048.30	1047.60	1121.70
3760938.31	787.90	883.00	940.40	982.90	1006.80	962.30	991.10	1006.40	1068.70
3759938.31	799.00	833.90	872.10	865.40	882.00	901.80	917.10	980.90	1014.00
3758938.31	739.80	775.50	823.60	827.30	844.80	866.20	876.00	896.40	973.80
3757938.31	745.50	766.60	789.80	806.10	812.70	836.20	847.10	869.00	891.20
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	796.10	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	733.70	739.00	748.20	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	698.30	742.60	758.40	806.00	784.40	793.40	782.90	776.00	774.50
3751938.31	688.50	698.30	788.50	827.60	779.20	816.00	826.50	776.50	765.50
3750938.31	637.60	658.70	761.70	746.60	753.10	763.30	778.20	767.10	824.50
3749938.31	565.10	605.60	688.00	741.70	730.60	768.40	748.50	743.00	742.90
3748938.31	600.40	581.60	634.10	689.10	721.10	712.00	735.90	695.10	721.80
3747938.31	612.80	550.40	629.60	635.50	674.00	749.80	680.90	680.10	661.60

3746938.31	475.00	519.90	658.40	668.60	636.20	659.50	635.50	626.90	644.80
3745938.31	457.70	478.30	548.30	576.50	593.60	572.70	612.10	688.50	733.30
3744938.31	445.20	446.70	455.30	487.90	797.60	730.60	713.70	991.50	924.10
3743938.31	441.00	442.60	443.20	451.00	524.60	831.50	1033.10	970.20	1073.70
3742938.31	441.80	443.80	445.20	450.00	460.10	583.10	792.30	1036.30	1119.40
3741938.31	445.60	445.70	445.30	450.20	453.60	459.80	469.30	669.80	974.60

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	677.00	570.00	311.70	305.80	301.50	279.60	328.00	406.00	735.00
3766938.31	677.00	677.00	478.00	303.00	283.00	289.00	434.00	406.00	735.00
3765938.31	677.00	478.00	518.00	478.00	287.10	429.00	434.00	434.00	735.00
3764938.31	677.00	518.00	518.00	518.00	273.50	258.00	434.00	735.00	735.00
3763938.31	677.00	518.00	518.00	518.00	248.90	253.00	257.10	735.00	758.00
3762938.31	677.00	518.00	518.00	518.00	247.90	259.00	580.00	735.00	905.00
3761938.31	518.00	518.00	518.00	373.00	250.50	255.90	580.00	905.00	932.00
3760938.31	227.40	392.00	392.00	392.00	260.30	266.80	580.00	932.00	932.00
3759938.31	231.00	392.00	392.00	392.00	267.80	278.00	905.00	932.00	932.00
3758938.31	225.00	251.00	253.00	263.10	271.10	278.30	905.00	932.00	932.00
3757938.31	242.90	247.20	257.60	343.00	319.00	294.00	905.00	932.00	932.00
3756938.31	240.20	249.30	257.40	318.00	287.90	314.60	330.00	932.00	932.00
3755938.31	246.00	257.10	266.10	276.80	432.00	432.00	359.10	404.00	932.00
3754938.31	248.50	260.00	276.80	296.00	432.00	432.00	397.50	427.00	459.00
3753938.31	260.60	269.80	337.00	300.20	372.00	401.00	408.70	459.30	492.70
3752938.31	270.20	288.00	306.80	324.20	359.90	439.00	470.00	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	374.00	498.00	498.00	466.00	473.80
3750938.31	302.60	319.90	344.80	384.00	359.90	472.00	467.40	475.40	487.80
3749938.31	411.00	337.50	458.00	458.00	446.00	448.00	466.10	486.40	501.00
3748938.31	405.00	480.00	395.00	424.70	455.00	466.30	492.50	543.00	513.50
3747938.31	428.00	456.00	498.00	398.40	559.00	559.00	537.00	535.40	508.80
3746938.31	441.20	476.80	488.00	445.00	447.50	476.50	480.20	486.90	492.60
3745938.31	445.00	478.00	468.00	438.00	420.80	450.00	467.60	496.10	513.30
3744938.31	464.00	450.90	441.80	434.80	451.00	501.00	540.20	507.00	518.10
3743938.31	417.00	422.00	430.30	632.00	633.00	633.00	661.00	685.00	478.80
3742938.31	597.00	710.00	710.00	632.00	633.00	633.00	687.00	687.00	687.00
3741938.31	710.00	710.00	710.00	736.00	633.00	602.00	661.00	680.00	734.00

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	735.00	735.00	735.00	735.00	735.00	341.00	348.00	353.60	357.50
3766938.31	735.00	735.00	735.00	735.00	735.00	481.00	563.00	634.00	642.00
3765938.31	735.00	735.00	735.00	841.00	735.00	461.00	563.00	635.00	644.00
3764938.31	735.00	758.00	735.00	735.00	941.00	941.00	941.00	941.00	941.00
3763938.31	867.00	867.00	856.00	856.00	941.00	941.00	941.00	941.00	634.00
3762938.31	932.00	932.00	941.00	941.00	941.00	941.00	941.00	941.00	941.00
3761938.31	905.00	850.00	867.00	941.00	941.00	874.00	941.00	941.00	941.00
3760938.31	932.00	932.00	905.00	905.00	941.00	941.00	941.00	941.00	941.00
3759938.31	932.00	932.00	932.00	867.00	941.00	941.00	941.00	941.00	941.00
3758938.31	932.00	932.00	932.00	905.00	932.00	941.00	941.00	941.00	941.00
3757938.31	932.00	932.00	932.00	932.00	932.00	941.00	941.00	941.00	941.00
3756938.31	932.00	932.00	932.00	932.00	932.00	932.00	941.00	941.00	890.00
3755938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	890.00
3754938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	497.00	496.10
3753938.31	485.80	932.00	932.00	932.00	932.00	932.00	489.90	488.60	488.00
3752938.31	509.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	509.00	541.00	503.00	478.90	479.00	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	479.00	490.00	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	468.00	490.00	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	478.00	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	462.00	452.80	451.90
3746938.31	566.00	513.50	511.80	536.00	519.10	469.50	454.30	454.50	457.00
3745938.31	559.00	513.20	510.80	517.60	540.00	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	548.00	477.40	461.80	449.40	447.00
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	734.00	528.30	527.90	518.60	515.00	490.80	475.50	455.00	452.00
3741938.31	734.00	734.00	555.50	534.60	537.70	549.40	597.00	460.30	442.90

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	537.00	406.60	408.60	429.30	457.00	516.00	508.00	534.80	565.00
3765938.31	644.00	537.00	495.00	525.00	493.00	516.70	539.40	588.00	645.00
3764938.31	941.00	687.00	858.00	525.00	523.00	575.00	579.80	596.40	666.00

3763938.31	687.00	941.00	858.00	858.00	858.00	623.00	625.00	643.00	677.00
3762938.31	941.00	782.00	858.00	858.00	858.00	641.00	581.00	693.00	693.00
3761938.31	941.00	858.00	858.00	858.00	858.00	858.00	555.00	616.00	654.00
3760938.31	941.00	824.00	858.00	858.00	858.00	802.00	771.00	751.00	654.00
3759938.31	887.00	890.00	833.00	829.00	802.00	771.00	771.00	774.00	774.00
3758938.31	890.00	890.00	890.00	829.00	741.00	731.00	751.00	751.00	774.00
3757938.31	890.00	890.00	890.00	890.00	684.00	603.80	738.00	774.00	774.00
3756938.31	890.00	890.00	890.00	682.00	574.80	581.40	584.90	774.00	774.00
3755938.31	890.00	890.00	890.00	721.00	558.10	556.20	551.80	549.40	607.00
3754938.31	890.00	890.00	518.00	530.30	617.00	537.10	527.60	525.60	528.00
3753938.31	484.50	494.20	500.90	617.00	617.00	615.00	811.00	811.00	777.00
3752938.31	472.20	481.00	482.10	483.90	811.00	811.00	811.00	811.00	811.00
3751938.31	472.00	468.70	466.60	798.00	811.00	811.00	811.00	811.00	811.00
3750938.31	462.20	741.00	777.00	798.00	811.00	811.00	798.00	811.00	811.00
3749938.31	766.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00	811.00
3748938.31	777.00	777.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00
3747938.31	777.00	777.00	777.00	777.00	777.00	810.00	811.00	810.00	804.00
3746938.31	777.00	777.00	777.00	777.00	810.00	810.00	810.00	810.00	810.00
3745938.31	444.60	777.00	777.00	810.00	810.00	810.00	810.00	810.00	810.00
3744938.31	442.20	442.80	757.00	810.00	810.00	810.00	810.00	810.00	810.00
3743938.31	442.20	443.90	757.00	810.00	810.00	757.00	810.00	810.00	810.00
3742938.31	443.00	436.50	757.00	757.00	810.00	810.00	810.00	810.00	810.00
3741938.31	440.00	443.00	757.00	757.00	757.00	810.00	810.00	810.00	444.80

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	985.00	1018.00	1018.00	1018.00	985.00	1018.00	1656.00	1771.00
3766938.31	626.00	757.00	757.00	985.00	1018.00	1018.00	1611.00	1677.00	1771.00
3765938.31	663.00	671.10	784.00	1018.00	1018.00	1018.00	1611.00	1677.00	1771.00
3764938.31	681.00	628.90	634.80	634.90	985.00	717.30	1611.00	1677.00	1740.00
3763938.31	668.00	687.00	638.00	664.00	690.00	721.00	735.10	1677.00	1677.00
3762938.31	686.00	682.00	684.00	690.00	689.00	720.00	737.10	1611.00	1677.00
3761938.31	686.00	678.00	682.00	691.00	705.00	717.00	734.10	758.40	1677.00
3760938.31	697.00	685.00	677.00	715.00	708.00	696.00	723.00	776.00	785.00
3759938.31	769.00	755.00	701.00	715.00	717.00	708.00	705.00	707.60	1200.00
3758938.31	755.00	762.00	764.00	648.00	712.00	677.00	736.00	710.00	705.00
3757938.31	769.00	764.00	764.00	748.00	730.00	794.00	736.00	712.00	730.00
3756938.31	760.00	761.00	764.00	763.00	794.00	794.00	735.00	728.00	744.70
3755938.31	760.00	760.00	683.00	727.00	794.00	768.00	742.00	678.00	717.00
3754938.31	546.00	639.00	627.00	727.00	711.00	768.00	747.00	739.00	757.00
3753938.31	777.00	569.00	596.00	581.00	692.00	653.00	745.00	771.00	771.00
3752938.31	811.00	777.00	575.00	529.00	628.00	615.00	625.00	771.00	746.00
3751938.31	811.00	777.00	461.00	460.80	578.00	546.20	592.00	746.00	709.00
3750938.31	811.00	811.00	437.30	433.00	456.70	518.00	713.00	713.00	680.00
3749938.31	811.00	811.00	432.30	428.00	441.00	713.00	713.00	713.00	713.00
3748938.31	811.00	729.00	729.00	432.00	439.00	713.00	713.00	713.00	663.00
3747938.31	804.00	804.00	729.00	437.00	430.60	428.00	713.00	713.00	663.00
3746938.31	810.00	804.00	599.00	436.10	434.50	439.70	433.90	653.00	663.00
3745938.31	810.00	804.00	437.10	439.10	796.00	796.00	438.10	435.60	446.20
3744938.31	810.00	804.00	436.10	796.00	796.00	796.00	796.00	796.00	439.20
3743938.31	810.00	447.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3742938.31	453.00	463.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3741938.31	459.30	477.60	796.00	796.00	796.00	796.00	781.00	796.00	796.00

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3766938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1641.00	1771.00	1771.00	1771.00
3765938.31	1771.00	1771.00	1677.00	1771.00	1771.00	1677.00	1677.00	1771.00	1771.00
3764938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3763938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3762938.31	1677.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3761938.31	1677.00	1677.00	1677.00	1183.00	1677.00	1677.00	1771.00	1771.00	1771.00
3760938.31	1677.00	1611.00	1677.00	1677.00	1677.00	1771.00	1771.00	1771.00	1677.00
3759938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1771.00	1771.00	1677.00	1333.00
3758938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1677.00	1677.00	1677.00	1058.00
3757938.31	748.00	766.60	1200.00	1200.00	1194.00	836.20	847.10	1058.00	1058.00
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	799.00	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	754.00	772.00	780.00	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	741.00	744.00	859.00	818.00	784.40	793.40	782.90	776.00	774.50
3751938.31	702.00	859.00	869.00	869.00	781.00	816.00	826.50	936.00	936.00
3750938.31	679.00	869.00	799.00	869.00	792.00	773.00	791.00	936.00	936.00
3749938.31	782.00	860.00	774.00	749.00	819.00	819.00	753.00	936.00	936.00
3748938.31	644.00	670.00	716.00	711.00	783.00	783.00	745.00	748.00	726.00
3747938.31	618.00	800.00	800.00	800.00	830.00	830.00	1129.00	1147.00	1147.00
3746938.31	800.00	800.00	800.00	800.00	1147.00	1147.00	1168.00	1168.00	1168.00
3745938.31	800.00	1133.00	1133.00	1147.00	1168.00	1168.00	1168.00	1168.00	1168.00
3744938.31	1129.00	1147.00	1168.00	1168.00	1133.00	1168.00	1168.00	1016.00	1168.00
3743938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1133.00	1168.00	1078.00
3742938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00
3741938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

437508.5, 439508.5, 441508.5, 443508.5, 445508.5, 447508.5, 449508.5, 451508.5, 453508.5, 455508.5,
457508.5, 459508.5,

*** Y-COORDINATES OF GRID ***
(METERS)

3741938.3, 3743938.3, 3745938.3, 3747938.3, 3749938.3, 3751938.3, 3753938.3, 3755938.3, 3757938.3, 3759938.3,
3761938.3, 3763938.3, 3765938.3, 3767938.3,

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 437508.49	439508.49	441508.49	443508.49	445508.49	447508.49	449508.49	451508.49	453508.49
3767938.31	278.70	285.30	282.10	280.70	275.00	277.90	283.00	282.60	285.00
3765938.31	257.10	256.20	256.30	254.40	253.20	258.60	257.60	258.30	260.20
3763938.31	227.90	232.90	232.00	228.00	234.50	235.00	239.40	233.60	236.40
3761938.31	204.70	206.30	207.90	212.60	215.70	219.00	220.00	219.30	218.10
3759938.31	182.90	189.80	194.70	198.50	197.60	203.10	206.60	207.80	215.30
3757938.31	165.00	170.80	179.40	184.10	185.50	189.70	186.20	189.30	212.40
3755938.31	183.40	156.30	171.00	172.00	179.00	178.90	195.00	231.60	267.20
3753938.31	297.00	167.00	159.60	170.70	168.90	198.40	199.00	276.70	251.50
3751938.31	233.10	222.10	158.40	161.50	168.60	180.90	208.40	273.60	242.50
3749938.31	148.40	174.50	160.10	180.60	184.70	179.00	225.50	215.00	210.10
3747938.31	133.00	318.60	252.40	228.80	233.00	226.40	196.60	205.30	305.60
3745938.31	449.00	880.40	505.60	359.50	288.70	287.50	263.60	295.30	428.00
3743938.31	507.90	688.70	809.10	484.60	403.00	365.20	334.90	270.20	327.60
3741938.31	604.00	646.60	892.40	594.40	588.80	484.90	376.60	289.80	287.70

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 455508.49	457508.49	459508.49
3767938.31	295.60	307.30	319.90
3765938.31	321.20	388.30	531.10
3763938.31	243.00	265.10	290.90
3761938.31	221.90	253.30	388.40
3759938.31	214.80	250.90	265.00
3757938.31	224.10	219.40	249.20
3755938.31	250.40	224.30	238.90
3753938.31	221.70	244.50	243.40
3751938.31	216.40	230.00	262.40
3749938.31	239.70	253.60	296.10
3747938.31	401.50	370.00	386.10
3745938.31	375.20	438.60	417.00
3743938.31	372.40	417.00	417.00
3741938.31	398.00	428.80	438.30

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 437508.49	439508.49	441508.49	443508.49	445508.49	447508.49	449508.49	451508.49	453508.49
3767938.31	278.70	285.30	282.10	280.70	275.00	286.00	283.00	282.60	285.00
3765938.31	257.10	256.20	256.30	254.40	253.20	270.00	257.60	258.30	433.00
3763938.31	227.90	232.90	232.00	228.00	234.50	235.00	239.40	244.00	236.40
3761938.31	204.70	206.30	207.90	212.60	215.70	219.00	220.00	219.30	218.10
3759938.31	182.90	189.80	201.00	198.50	197.60	203.10	206.60	207.80	215.30
3757938.31	165.00	170.80	179.40	184.10	185.50	189.70	186.20	449.00	449.00
3755938.31	235.00	163.00	171.00	172.00	179.00	299.00	195.00	449.00	449.00
3753938.31	344.00	360.00	163.00	170.70	168.90	208.00	431.00	431.00	435.00
3751938.31	926.00	926.00	926.00	926.00	168.60	180.90	431.00	439.00	439.00
3749938.31	926.00	926.00	1207.00	1210.00	926.00	179.00	231.00	215.00	566.00
3747938.31	1211.00	1183.00	1211.00	1211.00	1211.00	1211.00	1207.00	481.00	481.00
3745938.31	926.00	926.00	1211.00	1211.00	1211.00	1211.00	1211.00	522.00	522.00
3743938.31	1183.00	1183.00	849.00	1211.00	1211.00	1211.00	1211.00	1211.00	522.00
3741938.31	1183.00	1211.00	1211.00	1211.00	1211.00	1211.00	1211.00	1211.00	1140.00

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 455508.49	457508.49	459508.49
3767938.31	295.60	677.00	677.00
3765938.31	532.00	677.00	677.00
3763938.31	677.00	677.00	677.00
3761938.31	221.90	371.00	419.00
3759938.31	214.80	385.00	399.00
3757938.31	224.10	231.00	249.20
3755938.31	250.40	224.30	238.90
3753938.31	221.70	303.00	243.40
3751938.31	216.40	230.00	262.40
3749938.31	566.00	566.00	296.10
3747938.31	566.00	566.00	393.00
3745938.31	466.00	444.00	417.00
3743938.31	411.00	417.00	417.00
3741938.31	468.00	428.80	698.00

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

484551.7, 484651.7, 484751.7, 484851.7, 484951.7, 485051.7, 485151.7, 485251.7, 485351.7, 485451.7,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.4, 3751034.4, 3751134.4, 3751234.4, 3751334.4, 3751434.4, 3751534.4, 3751634.4, 3751734.4, 3751834.4,
3751934.4, 3752034.4, 3752134.4, 3752234.4, 3752334.4, 3752434.4, 3752534.4, 3752634.4, 3752734.4, 3752834.4,
3752934.4, 3753034.4, 3753134.4, 3753234.4, 3753334.4, 3753434.4, 3753534.4, 3753634.4, 3753734.4, 3753834.4,
3753934.4, 3754034.4, 3754134.4, 3754234.4, 3754334.4, 3754434.4, 3754534.4, 3754634.4,

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	524.70	525.20	523.10	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	523.30	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	521.50	520.70	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	518.70	518.40	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	516.90	518.10	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	518.10	514.80	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	517.70	512.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	515.80	511.30	512.10	511.60	512.10	508.80	506.80	509.90	509.10
3753834.43	510.50	509.90	507.90	511.00	507.90	508.00	508.50	506.70	502.40
3753734.43	507.90	507.90	506.50	506.80	505.40	503.10	508.40	504.90	503.30
3753634.43	505.40	508.10	501.40	503.70	503.70	503.30	503.20	503.00	502.00
3753534.43	502.40	500.60	501.10	505.00	504.30	501.80	501.10	498.80	499.90
3753434.43	498.20	500.10	501.50	501.30	502.50	501.60	499.50	497.50	498.00
3753334.43	498.80	499.20	497.80	498.20	498.30	499.50	497.40	496.00	496.90
3753234.43	496.80	496.00	496.70	497.80	496.40	495.20	496.20	494.90	496.00
3753134.43	498.10	497.00	494.60	493.00	495.50	495.30	497.10	492.90	491.50
3753034.43	494.30	493.10	494.60	493.00	494.00	492.80	493.70	491.30	491.10
3752934.43	487.60	488.10	490.80	488.60	490.80	489.70	490.10	490.20	488.40
3752834.43	488.90	488.00	489.10	488.80	488.50	487.50	487.80	490.40	486.40
3752734.43	486.30	487.90	485.40	485.50	485.30	487.90	484.30	486.00	484.80
3752634.43	486.90	484.10	487.00	485.90	483.90	490.10	488.80	486.00	483.20
3752534.43	483.40	482.40	478.60	483.50	481.50	482.10	483.90	481.50	482.60
3752434.43	480.00	484.30	482.60	483.00	481.10	477.10	483.10	479.20	483.50
3752334.43	478.40	481.10	480.70	479.00	480.30	479.30	481.40	480.90	483.80
3752234.43	475.80	477.00	481.50	478.90	478.30	472.50	481.10	479.50	483.70
3752134.43	475.40	478.80	479.20	479.80	480.70	479.50	480.70	485.90	491.70
3752034.43	480.20	481.20	476.20	478.10	482.00	478.70	482.40	487.10	493.80
3751934.43	475.60	477.20	479.30	478.60	479.40	482.60	487.80	490.10	497.20
3751834.43	475.90	478.80	480.40	483.60	480.90	486.20	491.70	498.90	506.50
3751734.43	482.60	483.70	490.40	491.10	488.70	490.80	495.50	501.30	512.70
3751634.43	487.30	492.60	492.30	493.50	495.90	493.70	501.30	512.90	527.00
3751534.43	490.70	494.00	501.90	502.10	505.60	504.10	514.20	535.70	561.00
3751434.43	495.40	502.10	507.10	510.40	512.40	522.30	540.90	563.70	601.20
3751334.43	500.20	504.10	509.30	515.40	516.70	531.00	556.50	596.00	635.10
3751234.43	504.80	510.60	515.40	521.50	530.10	547.10	570.50	612.20	650.20
3751134.43	512.40	513.00	516.40	540.90	547.30	559.70	574.00	609.80	636.10
3751034.43	514.10	518.70	538.20	566.60	558.70	570.80	594.70	631.60	660.00
3750934.43	532.10	531.70	564.30	576.10	577.60	587.10	618.00	658.00	693.50

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	516.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	507.50
3753934.43	507.60
3753834.43	504.10
3753734.43	502.70
3753634.43	500.40
3753534.43	500.80
3753434.43	497.40
3753334.43	496.10
3753234.43	494.70
3753134.43	492.30
3753034.43	491.70
3752934.43	485.90
3752834.43	487.20
3752734.43	485.10
3752634.43	485.10
3752534.43	484.10
3752434.43	485.40
3752334.43	484.70
3752234.43	491.00
3752134.43	493.80
3752034.43	502.20
3751934.43	504.90
3751834.43	515.40
3751734.43	523.90
3751634.43	548.80
3751534.43	594.90
3751434.43	642.40
3751334.43	689.90
3751234.43	687.90
3751134.43	679.30
3751034.43	697.10
3750934.43	732.40

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	615.00	527.00	526.00	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	615.00	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	616.00	615.00	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	616.00	615.00	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	616.00	615.00	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	616.00	615.00	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	615.00	615.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	615.00	559.00	512.10	511.60	512.10	508.80	811.00	811.00	811.00
3753834.43	615.00	559.00	507.90	511.00	811.00	811.00	811.00	811.00	811.00
3753734.43	613.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3750934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	520.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	811.00
3753934.43	811.00
3753834.43	811.00
3753734.43	811.00
3753634.43	811.00
3753534.43	811.00
3753434.43	811.00
3753334.43	811.00
3753234.43	811.00
3753134.43	811.00
3753034.43	811.00
3752934.43	811.00
3752834.43	811.00
3752734.43	811.00
3752634.43	811.00
3752534.43	811.00
3752434.43	811.00
3752334.43	811.00
3752234.43	811.00
3752134.43	811.00
3752034.43	811.00
3751934.43	811.00
3751834.43	811.00
3751734.43	811.00
3751634.43	811.00
3751534.43	811.00
3751434.43	811.00
3751334.43	811.00
3751234.43	811.00
3751134.43	811.00
3751034.43	811.00
3750934.43	811.00

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** NO2 - LST ASSESSMENT (NO REFRIGERATION) *** 10:55:12
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

485549.5, 485649.5, 485749.5, 485849.5,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.9, 3751034.9, 3751134.9, 3751234.9, 3751334.9, 3751434.9, 3751534.9, 3751634.9, 3751734.9, 3751834.9,
3751934.9, 3752034.9, 3752134.9, 3752234.9, 3752334.9, 3752434.9, 3752534.9, 3752634.9, 3752734.9, 3752834.9,
3752934.9, 3753034.9, 3753134.9, 3753234.9, 3753334.9, 3753434.9,

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** NO2 - LST ASSESSMENT (NO REFRIGERATION) *** 10:55:12
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	497.00	494.70	493.80	492.50
3753334.90	495.20	494.30	494.20	494.90
3753234.90	493.20	495.50	492.40	492.80
3753134.90	490.00	490.70	490.50	489.50
3753034.90	490.20	491.70	489.20	490.10
3752934.90	488.20	488.60	486.50	488.00
3752834.90	489.00	487.30	488.80	488.50
3752734.90	488.90	487.30	487.40	486.30
3752634.90	486.00	486.60	486.90	486.00
3752534.90	486.00	484.20	484.00	486.00
3752434.90	485.70	485.00	488.10	493.30
3752334.90	489.50	491.30	494.00	502.10
3752234.90	493.50	496.70	497.00	506.50
3752134.90	498.50	502.00	503.90	507.60
3752034.90	508.20	508.10	511.20	522.80
3751934.90	513.90	513.00	519.30	532.40
3751834.90	518.10	529.70	538.40	559.00
3751734.90	531.80	533.60	558.40	605.00
3751634.90	557.00	570.60	588.90	622.30
3751534.90	599.00	611.20	626.10	628.30
3751434.90	659.50	664.00	669.40	643.70
3751334.90	702.50	703.50	696.20	663.60
3751234.90	708.30	736.50	713.70	692.00
3751134.90	720.70	748.90	725.50	720.30
3751034.90	744.10	769.60	738.00	734.40
3750934.90	771.00	782.40	753.40	754.20

```
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE  59
 **MODELOPTS:  NonDFAULT CONC                                                ELEV
                         FASTALL                                                   OLM

                                  *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                              * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                          X-COORD (METERS)
    (METERS) |     485549.47    485649.47    485749.47    485849.47
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3753434.90 |        811.00       811.00       811.00       811.00
  3753334.90 |        811.00       811.00       811.00       811.00
  3753234.90 |        811.00       811.00       811.00       811.00
  3753134.90 |        811.00       811.00       811.00       811.00
  3753034.90 |        811.00       811.00       811.00       811.00
  3752934.90 |        811.00       811.00       811.00       811.00
  3752834.90 |        811.00       811.00       811.00       811.00
  3752734.90 |        811.00       811.00       811.00       811.00
  3752634.90 |        811.00       811.00       811.00       811.00
  3752534.90 |        811.00       811.00       811.00       811.00
  3752434.90 |        811.00       811.00       811.00       811.00
  3752334.90 |        811.00       811.00       811.00       811.00
  3752234.90 |        811.00       811.00       811.00       811.00
  3752134.90 |        811.00       811.00       811.00       811.00
  3752034.90 |        811.00       811.00       811.00       811.00
  3751934.90 |        811.00       811.00       811.00       811.00
  3751834.90 |        811.00       811.00       811.00       811.00
  3751734.90 |        811.00       811.00       811.00       811.00
  3751634.90 |        811.00       811.00       811.00       811.00
  3751534.90 |        811.00       811.00       811.00       811.00
  3751434.90 |        811.00       811.00       811.00       811.00
  3751334.90 |        811.00       811.00       811.00       811.00
  3751234.90 |        811.00       811.00       811.00       811.00
  3751134.90 |        811.00       811.00       811.00       811.00
  3751034.90 |        811.00       798.00       811.00       811.00
  3750934.90 |        798.00       798.00       811.00       811.00
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE  60
 **MODELOPTS:  NonDFAULT CONC                                                ELEV
                         FASTALL                                                   OLM

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                   (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     ( 485619.4, 3753969.7,     505.7,     811.0,       0.0);         ( 485713.0, 3753961.9,     506.6,     811.0,       0.0);
     ( 487190.8, 3754410.3,     509.4,     776.0,       0.0);         ( 487194.8, 3754289.5,     507.2,     777.0,       0.0);
     ( 487268.8, 3754090.6,     503.1,     777.0,       0.0);         ( 487483.3, 3754102.3,     502.0,     777.0,       0.0);
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE  61
 **MODELOPTS:  NonDFAULT CONC                                                ELEV
                         FASTALL                                                   OLM

                       * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
                         LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL


                              SOURCE          - - RECEPTOR LOCATION - -         DISTANCE
                                ID            XR (METERS)   YR (METERS)         (METERS)
                            - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                             L0112327            485553.0     3754938.3            -8.64
                             L0112328            485553.0     3754938.3            -0.74
                             L0112412            487190.8     3754410.3            -0.17
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE  62
 **MODELOPTS:  NonDFAULT CONC                                                ELEV
                         FASTALL                                                   OLM

                                     *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                  *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE  63
 **MODELOPTS:  NonDFAULT CONC                                                ELEV
                         FASTALL                                                   OLM

                                   *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

   Surface file:   RIVR2.SFC                                                                          Met Version:  11059
   Profile file:   RIVR2.PFL
```

```
  Surface format: FREE
  Profile format: FREE
  Surface station no.:        2                  Upper air station no.:     3190
                 Name: UNKNOWN                                   Name: UNKNOWN
                 Year:   2005                                    Year:   2005

 First 24 hours of scalar data
 YR MO DY JDY HR     HO     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 05 01 01   1 01   -7.5  0.135 -9.000 -9.000 -999.  115.     29.0  0.39   1.00   1.00    1.60  338.    9.1  279.2    5.5
 05 01 01   1 02   -2.2  0.057 -9.000 -9.000 -999.   34.      7.4  0.39   1.00   1.00    0.90  264.    9.1  279.2    5.5
 05 01 01   1 03   -4.0  0.070 -9.000 -9.000 -999.   42.      7.4  0.39   1.00   1.00    1.10   54.    9.1  278.8    5.5
 05 01 01   1 04   -1.6  0.044 -9.000 -9.000 -999.   21.      4.7  0.39   1.00   1.00    0.70  360.    9.1  278.8    5.5
 05 01 01   1 05   -2.7  0.063 -9.000 -9.000 -999.   37.      8.2  0.39   1.00   1.00    1.00  318.    9.1  278.1    5.5
 05 01 01   1 06   -2.8  0.070 -9.000 -9.000 -999.   42.     10.5  0.39   1.00   1.00    1.10   53.    9.1  277.5    5.5
 05 01 01   1 07   -3.8  0.070 -9.000 -9.000 -999.   42.      7.7  0.39   1.00   1.00    1.10  134.    9.1  278.8    5.5
 05 01 01   1 08   -2.3  0.057 -9.000 -9.000 -999.   31.      7.0  0.39   1.00   0.53    0.90  319.    9.1  278.8    5.5
 05 01 01   1 09   29.7  0.193  0.388  0.005   69.  195.    -21.1  0.39   1.00   0.32    1.20  110.    9.1  282.0    5.5
 05 01 01   1 10   78.5  0.248  1.193  0.005  760.  285.    -17.1  0.39   1.00   0.25    1.50  107.    9.1  284.2    5.5
 05 01 01   1 11  118.9  0.316  1.511  0.007 1020.  409.    -23.3  0.39   1.00   0.22    2.00  122.    9.1  285.9    5.5
 05 01 01   1 12  132.2  0.238  1.665  0.009 1227.  270.     -9.0  0.39   1.00   0.21    1.30  154.    9.1  287.0    5.5
 05 01 01   1 13   80.9  0.249  1.421  0.009 1245.  286.    -16.8  0.39   1.00   0.21    1.50  166.    9.1  287.0    5.5
 05 01 01   1 14   80.7  0.305  1.427  0.009 1263.  388.    -31.0  0.39   1.00   0.23    2.00  235.    9.1  287.5    5.5
 05 01 01   1 15   36.6  0.321  1.098  0.009 1270.  419.    -79.5  0.39   1.00   0.26    2.30  305.    9.1  286.4    5.5
 05 01 01   1 16    1.2  0.206  0.354  0.009 1271.  221.   -629.7  0.39   1.00   0.35    1.60  292.    9.1  285.9    5.5
 05 01 01   1 17  -11.9  0.181 -9.000 -9.000 -999.  178.     44.1  0.39   1.00   0.63    1.90  280.    9.1  285.4    5.5
 05 01 01   1 18  -17.1  0.313 -9.000 -9.000 -999.  404.    158.3  0.39   1.00   1.00    2.70  304.    9.1  284.2    5.5
 05 01 01   1 19   -8.7  0.159 -9.000 -9.000 -999.  161.     40.6  0.39   1.00   1.00    1.70  311.    9.1  283.8    5.5
 05 01 01   1 20   -3.8  0.070 -9.000 -9.000 -999.   48.      7.8  0.39   1.00   1.00    1.10   13.    9.1  283.1    5.5
 05 01 01   1 21   -4.7  0.076 -9.000 -9.000 -999.   48.      8.2  0.39   1.00   1.00    1.20    8.    9.1  282.0    5.5
 05 01 01   1 22   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80  183.    9.1  280.9    5.5
 05 01 01   1 23   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   16.    9.1  280.4    5.5
 05 01 01   1 24   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   62.    9.1  279.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 05 01 01 01    5.5 0 -999.  -99.00   279.3   99.0  -99.00  -99.00
 05 01 01 01    9.1 1  338.    1.60  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                  *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                      PAGE  64
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
                         FASTALL                                            OLM

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):      PHASE1      , L0112172    , L0112173    , L0112174    , L0112175    ,
                         L0112176    , L0112177    , L0112178    , L0112179    , L0112180    , L0112181    , L0112182    , L0112183    ,
                         L0112184    , L0112185    , L0112186    , L0112187    , L0112188    , L0112189    , L0112190    , L0112191    ,
                         L0112192    , L0112193    , L0112194    , L0112195    , L0112196    , L0112197    , L0112198    ,  . . .      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF NO2      IN MICROGRAMS/M**3                          **

    Y-COORD  |                                          X-COORD (METERS)
    (METERS) |     461553.03    462553.03    463553.03    464553.03    465553.03    466553.03    467553.03    468553.03    469553.03
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3767938.31 |       0.08288       0.08537       0.08809       0.09104       0.09440       0.09676       0.10039       0.10339       0.10699
  3766938.31 |       0.08571       0.08643       0.08857       0.09163       0.09445       0.09743       0.10154       0.11644       0.11076
  3765938.31 |       0.08669       0.09515       0.09090       0.09319       0.09639       0.09847       0.10500       0.11887       0.11485
  3764938.31 |       0.08694       0.09372       0.09601       0.09557       0.09772       0.10036       0.10460       0.11142       0.11682
  3763938.31 |       0.08687       0.09694       0.09240       0.09560       0.09824       0.10245       0.10691       0.11300       0.12030
  3762938.31 |       0.08584       0.08924       0.09249       0.09530       0.09967       0.10450       0.10991       0.11635       0.12426
  3761938.31 |       0.08472       0.08810       0.09181       0.09599       0.10090       0.10601       0.11212       0.11945       0.12812
  3760938.31 |       0.08397       0.08770       0.09161       0.09789       0.10214       0.10770       0.11426       0.12190       0.13179
  3759938.31 |       0.08524       0.08828       0.09677       0.09747       0.10302       0.10899       0.11570       0.12374       0.13374
  3758938.31 |       0.08744       0.09113       0.09555       0.10004       0.10494       0.11042       0.11745       0.12517       0.13487
  3757938.31 |       0.09069       0.09441       0.09881       0.10500       0.10850       0.11305       0.12006       0.12865       0.13883
  3756938.31 |       0.09096       0.09535       0.10006       0.10554       0.11201       0.12001       0.12703       0.13241       0.14362
  3755938.31 |       0.08991       0.09454       0.09950       0.10511       0.11183       0.12232       0.13142       0.14351       0.14833
  3754938.31 |       0.08782       0.09234       0.09769       0.10385       0.11081       0.12301       0.13245       0.14416       0.15701
  3753938.31 |       0.08584       0.09006       0.09516       0.10074       0.10940       0.11928       0.12885       0.14280       0.15570
  3752938.31 |       0.08365       0.08796       0.09338       0.09902       0.10689       0.11731       0.12845       0.13931       0.14905
  3751938.31 |       0.08222       0.08596       0.09034       0.09648       0.10412       0.11265       0.12156       0.13106       0.14064
  3750938.31 |       0.08083       0.08488       0.08981       0.09433       0.09856       0.10724       0.11772       0.12446       0.13199
  3749938.31 |       0.07834       0.08136       0.08768       0.09462       0.09835       0.10193       0.10869       0.11535       0.11550
  3748938.31 |       0.07681       0.07551       0.08048       0.08649       0.09191       0.09684       0.10168       0.09139       0.10281
  3747938.31 |       0.07388       0.07742       0.07626       0.08025       0.08617       0.07958       0.08466       0.08587       0.10195
  3746938.31 |       0.07199       0.07713       0.07955       0.07929       0.08517       0.09165       0.09673       0.10225       0.10750
  3745938.31 |       0.07091       0.07572       0.07821       0.07974       0.08226       0.08803       0.09437       0.09952       0.09856
  3744938.31 |       0.06944       0.07349       0.07589       0.07867       0.08301       0.08859       0.07726       0.09193       0.09589
  3743938.31 |       0.06805       0.07085       0.07432       0.07823       0.08182       0.08565       0.09084       0.09556       0.10013
  3742938.31 |       0.06847       0.07165       0.07574       0.07582       0.07767       0.07883       0.08941       0.08526       0.07785
  3741938.31 |       0.07014       0.05833       0.05629       0.05895       0.05362       0.06211       0.06191       0.05617       0.07247
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                  *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                      PAGE  65
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
                         FASTALL                                            OLM

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):      PHASE1      , L0112172    , L0112173    , L0112174    , L0112175    ,
                         L0112176    , L0112177    , L0112178    , L0112179    , L0112180    , L0112181    , L0112182    , L0112183    ,
                         L0112184    , L0112185    , L0112186    , L0112187    , L0112188    , L0112189    , L0112190    , L0112191    ,
                         L0112192    , L0112193    , L0112194    , L0112195    , L0112196    , L0112197    , L0112198    ,  . . .      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF NO2      IN MICROGRAMS/M**3                          **

    Y-COORD  |                                          X-COORD (METERS)
    (METERS) |     470553.03    471553.03    472553.03    473553.03    474553.03    475553.03    476553.03    477553.03    478553.03
```

3767938.31	0.11050	0.11438	0.11942	0.12409	0.12960	0.13617	0.14260	0.15019	0.15900
3766938.31	0.11658	0.12355	0.12855	0.13276	0.14313	0.15185	0.15460	0.16285	0.17167
3765938.31	0.12190	0.12989	0.14723	0.14232	0.15395	0.16726	0.17823	0.18406	0.19406
3764938.31	0.12497	0.13509	0.11264	0.16234	0.16140	0.17901	0.18312	0.18088	0.20375
3763938.31	0.12917	0.13959	0.15840	0.16775	0.17445	0.18544	0.19852	0.19339	0.17334
3762938.31	0.13182	0.14361	0.15600	0.17009	0.18885	0.19359	0.21668	0.22661	0.23245
3761938.31	0.14655	0.14065	0.14504	0.18204	0.15767	0.12631	0.15453	0.20129	0.25571
3760938.31	0.14884	0.16773	0.13545	0.13921	0.17802	0.17004	0.14031	0.15388	0.22426
3759938.31	0.14561	0.15952	0.12710	0.11095	0.17862	0.21950	0.22922	0.16612	0.24478
3758938.31	0.14775	0.16534	0.11346	0.11393	0.17898	0.23424	0.26214	0.28195	0.28284
3757938.31	0.15535	0.17217	0.18766	0.11619	0.12984	0.23721	0.28474	0.31549	0.33222
3756938.31	0.16166	0.18304	0.19869	0.21109	0.14885	0.24361	0.29731	0.34231	0.38811
3755938.31	0.17258	0.19069	0.20285	0.22644	0.24534	0.27415	0.31150	0.35844	0.42051
3754938.31	0.17101	0.18609	0.20275	0.22393	0.25000	0.28280	0.32208	0.37215	0.43753
3753938.31	0.16718	0.17536	0.19385	0.21402	0.23810	0.27012	0.30899	0.35750	0.42159
3752938.31	0.15944	0.17217	0.18566	0.20188	0.22419	0.25116	0.28431	0.32602	0.38149
3751938.31	0.14675	0.14827	0.17135	0.18854	0.20560	0.22736	0.25474	0.28959	0.33600
3750938.31	0.13071	0.13156	0.15328	0.17179	0.18636	0.20454	0.22958	0.25939	0.30072
3749938.31	0.11333	0.11693	0.13340	0.15855	0.17285	0.19011	0.21122	0.24002	0.27542
3748938.31	0.10699	0.11632	0.12918	0.14973	0.16525	0.18080	0.20050	0.22506	0.25391
3747938.31	0.10781	0.11669	0.12757	0.14026	0.15967	0.17311	0.18921	0.20951	0.23408
3746938.31	0.10571	0.11596	0.12584	0.13220	0.14858	0.16437	0.17728	0.19477	0.21514
3745938.31	0.09717	0.11333	0.12218	0.13067	0.13964	0.15511	0.16652	0.18119	0.19979
3744938.31	0.10344	0.11150	0.11747	0.12428	0.12606	0.14663	0.15679	0.16992	0.18823
3743938.31	0.10518	0.10653	0.11205	0.11778	0.12418	0.13928	0.14875	0.16173	0.17957
3742938.31	0.09231	0.09620	0.10150	0.10901	0.11757	0.13299	0.14344	0.15491	0.17247
3741938.31	0.07165	0.07809	0.08654	0.09710	0.10206	0.10654	0.13497	0.15065	0.16621

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** NO2 - LST ASSESSMENT (NO REFRIGERATION) *** 10:55:12
PAGE 66

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , L0112183 ,
L0112184 , L0112185 , L0112186 , L0112187 , L0112188 , L0112189 , L0112190 , L0112191 ,
L0112192 , L0112193 , L0112194 , L0112195 , L0112196 , L0112197 , L0112198 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	0.17016	0.18147	0.19309	0.20441	0.21864	0.23383	0.24620	0.25073	0.24772
3766938.31	0.18094	0.19906	0.21101	0.22534	0.24305	0.26031	0.27228	0.26241	0.25365
3765938.31	0.20406	0.20947	0.23635	0.25162	0.27180	0.28527	0.29091	0.28017	0.25776
3764938.31	0.22384	0.23683	0.24705	0.27462	0.29769	0.30818	0.30624	0.28901	0.26561
3763938.31	0.21260	0.26290	0.28381	0.30213	0.32756	0.36020	0.30765	0.28267	0.27404
3762938.31	0.19656	0.21747	0.31621	0.34645	0.37924	0.41078	0.43455	0.43027	0.38696
3761938.31	0.21446	0.19730	0.30396	0.32180	0.42747	0.48278	0.52623	0.48939	0.47016
3760938.31	0.25715	0.20300	0.22128	0.28050	0.34874	0.45971	0.62681	0.67751	0.67516
3759938.31	0.21275	0.24159	0.25017	0.28146	0.33900	0.47236	0.65322	0.78459	0.79218
3758938.31	0.22688	0.25569	0.32189	0.34575	0.40032	0.51142	0.63620	0.64385	0.77132
3757938.31	0.28650	0.29138	0.34592	0.48979	0.53514	0.74439	0.79650	0.90613	0.95607
3756938.31	0.40854	0.44532	0.45657	0.54498	0.90928	1.10691	1.38826	1.63329	1.58243
3755938.31	0.49694	0.58660	0.71537	0.94922	1.24133	1.78377	2.87402	4.37690	3.75979
3754938.31	0.52579	0.65198	0.83695	1.12528	1.61571	2.62376	9.51434	25.08232	27.63740
3753938.31	0.50714	0.63546	0.82441	1.12371	1.60846	2.81638	8.71267	29.46155	36.84318
3752938.31	0.45042	0.55580	0.70612	0.94246	1.34982	2.22023	5.20282	23.99015	30.24897
3751938.31	0.39582	0.47708	0.59222	0.76807	1.04817	1.62568	2.92133	2.95201	7.01436
3750938.31	0.35029	0.42060	0.50888	0.65037	0.88931	1.23203	1.01401	1.53991	3.41798
3749938.31	0.32083	0.37627	0.46764	0.56656	0.74272	0.88288	1.03251	1.67027	2.58631
3748938.31	0.29105	0.34026	0.40038	0.27694	0.61895	0.86686	1.11140	1.42643	1.69849
3747938.31	0.26443	0.30709	0.23249	0.30692	0.58533	0.72925	0.88305	1.08877	1.09453
3746938.31	0.24203	0.28355	0.34511	0.42123	0.51495	0.61378	0.72438	0.82594	1.00235
3745938.31	0.22584	0.26138	0.31299	0.38574	0.45650	0.52764	0.56466	0.47463	0.77651
3744938.31	0.21272	0.24666	0.29243	0.34693	0.40645	0.46203	0.29035	0.58290	0.64171
3743938.31	0.20290	0.23517	0.27489	0.31786	0.36388	0.22268	0.44353	0.48554	0.54574
3742938.31	0.19512	0.22364	0.25837	0.29465	0.32890	0.35422	0.38161	0.42296	0.46956
3741938.31	0.18811	0.21497	0.24323	0.27193	0.29891	0.31518	0.33924	0.37403	0.41432

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** NO2 - LST ASSESSMENT (NO REFRIGERATION) *** 10:55:12
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , L0112183 ,
L0112184 , L0112185 , L0112186 , L0112187 , L0112188 , L0112189 , L0112190 , L0112191 ,
L0112192 , L0112193 , L0112194 , L0112195 , L0112196 , L0112197 , L0112198 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	0.24078	0.22901	0.19404	0.16975	0.15235	0.12217	0.13380	0.13232	0.12038
3766938.31	0.22808	0.21793	0.18975	0.18675	0.17384	0.16197	0.15625	0.14099	0.12619
3765938.31	0.23645	0.22800	0.24291	0.24046	0.21424	0.18871	0.16635	0.14758	0.13466
3764938.31	0.26626	0.28592	0.28128	0.26807	0.23737	0.19945	0.17763	0.15915	0.14756
3763938.31	0.30475	0.31664	0.33870	0.28443	0.25704	0.22236	0.19140	0.17515	0.16646
3762938.31	0.45282	0.44021	0.37584	0.32296	0.26927	0.23674	0.21068	0.19823	0.18817
3761938.31	0.40701	0.38896	0.35936	0.32836	0.29480	0.25899	0.24168	0.22731	0.21630
3760938.31	0.55917	0.45004	0.43024	0.37463	0.32755	0.31395	0.28928	0.26661	0.24622
3759938.31	0.86015	0.77676	0.59503	0.48576	0.41457	0.38299	0.34268	0.31509	0.28096
3758938.31	0.69468	0.67599	0.69678	0.57363	0.58327	0.48162	0.42545	0.35475	0.31945

3757938.31	0.91687	0.81725	0.74644	0.66483	0.58440	0.57347	0.45209	0.39231	0.34536
3756938.31	1.36636	1.20491	1.04426	0.85812	0.69390	0.61653	0.54826	0.44700	0.38654
3755938.31	2.99969	2.00007	1.51906	1.13008	0.91458	0.73150	0.61406	0.53635	0.45427
3754938.31	14.77700	5.02515	2.79640	1.75761	1.20977	0.99866	0.76888	0.60754	0.51443
3753938.31	30.82336	18.45798	6.46986	3.02148	2.12665	1.36695	1.14549	0.80973	0.59153
3752938.31	35.87041	31.39291	23.25312	6.31983	3.88323	2.28374	1.60987	1.07731	0.67949
3751938.31	8.93388	9.10824	8.25540	6.08532	4.22073	2.69159	1.93064	1.31366	0.81849
3750938.31	4.58436	4.67538	4.44964	3.80100	3.27225	2.78722	2.23708	1.59169	0.94710
3749938.31	2.82950	3.00153	2.93694	2.69103	2.42942	2.18352	1.92564	1.13070	1.02033
3748938.31	2.00095	2.11471	2.13162	2.02361	1.85757	1.68584	1.52760	1.26952	0.81270
3747938.31	1.45959	1.57570	1.62848	1.59660	1.48303	1.36280	1.26305	1.18011	1.10848
3746938.31	1.11369	1.28314	1.28409	1.27872	1.22375	1.15225	1.06704	1.00050	0.95338
3745938.31	0.88211	0.98157	1.03842	1.05136	1.03079	0.97655	0.91877	0.86266	0.82296
3744938.31	0.72377	0.80966	0.85751	0.87682	0.87306	0.84321	0.80184	0.75902	0.72021
3743938.31	0.61179	0.67971	0.72696	0.74820	0.76771	0.75050	0.70539	0.67529	0.64406
3742938.31	0.52554	0.58382	0.63088	0.65946	0.61417	0.36248	0.41659	0.60758	0.58557
3741938.31	0.45858	0.50755	0.55250	0.51347	0.42269	0.33633	0.31735	0.55140	0.53279

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** NO2 - LST ASSESSMENT (NO REFRIGERATION) *** 10:55:12
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , L0112183 ,
L0112184 , L0112185 , L0112186 , L0112187 , L0112188 , L0112189 , L0112190 , L0112191 ,
L0112192 , L0112193 , L0112194 , L0112195 , L0112196 , L0112197 , L0112198 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	0.10943	0.09213	0.08413	0.07133	0.04848	0.03555	0.02628	0.01892	0.01339
3766938.31	0.11647	0.09802	0.08222	0.07427	0.04830	0.01715	0.01731	0.01726	0.01727
3765938.31	0.12567	0.10364	0.05834	0.06950	0.05450	0.02357	0.02005	0.01961	0.02409
3764938.31	0.14085	0.12246	0.11123	0.11150	0.06457	0.04104	0.03782	0.03622	0.02688
3763938.31	0.15888	0.15286	0.14347	0.13046	0.11121	0.06817	0.06039	0.06143	0.04503
3762938.31	0.17947	0.17241	0.15140	0.13522	0.11972	0.10264	0.08275	0.07144	0.06113
3761938.31	0.20466	0.18997	0.16311	0.09029	0.12676	0.10208	0.10732	0.10037	0.07981
3760938.31	0.22806	0.20515	0.17617	0.15706	0.14068	0.13489	0.12162	0.11210	0.09634
3759938.31	0.24809	0.22344	0.20144	0.18391	0.16786	0.15086	0.13841	0.12240	0.11248
3758938.31	0.27719	0.24396	0.21680	0.19798	0.18185	0.16883	0.15831	0.14560	0.12869
3757938.31	0.30191	0.26864	0.24220	0.22177	0.20483	0.18907	0.17592	0.16403	0.15254
3756938.31	0.34226	0.30337	0.27189	0.24725	0.22571	0.20700	0.19110	0.17707	0.16488
3755938.31	0.39440	0.34699	0.30775	0.27411	0.24680	0.22410	0.20414	0.18763	0.17359
3754938.31	0.43807	0.37924	0.33053	0.29461	0.26266	0.23792	0.21675	0.19955	0.18494
3753938.31	0.49423	0.42434	0.36879	0.32242	0.28644	0.25707	0.23355	0.21390	0.19762
3752938.31	0.57738	0.47952	0.41294	0.35643	0.31853	0.28414	0.25748	0.23491	0.21519
3751938.31	0.66284	0.55639	0.45489	0.39304	0.35264	0.31157	0.27995	0.25934	0.23878
3750938.31	0.80490	0.64776	0.50019	0.43630	0.38222	0.33873	0.30242	0.27640	0.24629
3749938.31	1.14540	0.83694	0.58053	0.48224	0.42404	0.36447	0.32700	0.29458	0.26716
3748938.31	0.89920	0.90121	0.66003	0.52642	0.45766	0.41500	0.36377	0.34267	0.29727
3747938.31	0.75549	0.90608	0.62466	0.57254	0.47912	0.40446	0.40443	0.37338	0.35866
3746938.31	0.91177	0.85436	0.51390	0.47826	0.49855	0.43940	0.44466	0.42947	0.37947
3745938.31	0.78943	0.76294	0.67650	0.59146	0.53051	0.54489	0.45628	0.34824	0.30911
3744938.31	0.68997	0.66331	0.64284	0.63049	0.32685	0.32694	0.32343	0.26802	0.26790
3743938.31	0.61546	0.59190	0.57291	0.55923	0.53105	0.28304	0.23911	0.24363	0.21742
3742938.31	0.55859	0.53722	0.51985	0.50771	0.49928	0.40285	0.25530	0.21081	0.18061
3741938.31	0.51311	0.49419	0.47670	0.46478	0.45545	0.44909	0.44365	0.27132	0.19828

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** NO2 - LST ASSESSMENT (NO REFRIGERATION) *** 10:55:12
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , L0112183 ,
L0112184 , L0112185 , L0112186 , L0112187 , L0112188 , L0112189 , L0112190 , L0112191 ,
L0112192 , L0112193 , L0112194 , L0112195 , L0112196 , L0112197 , L0112198 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 437508.49	439508.49	441508.49	443508.49	445508.49	447508.49	449508.49	451508.49	453508.49
3767938.31	0.04395	0.04615	0.04831	0.05068	0.05302	0.05572	0.05865	0.06151	0.06493
3765938.31	0.04351	0.04515	0.04711	0.04930	0.05182	0.05485	0.05798	0.06142	0.06484
3763938.31	0.04464	0.04611	0.04764	0.04928	0.05149	0.05388	0.05684	0.06008	0.06376
3761938.31	0.04593	0.04758	0.04940	0.05139	0.05345	0.05565	0.05799	0.06067	0.06350
3759938.31	0.04556	0.04761	0.04987	0.05227	0.05471	0.05751	0.06044	0.06353	0.06685
3757938.31	0.04404	0.04607	0.04843	0.05092	0.05357	0.05658	0.05967	0.06330	0.06815
3755938.31	0.04347	0.04470	0.04704	0.04929	0.05191	0.05462	0.05810	0.06275	0.06831
3753938.31	0.04472	0.04343	0.04518	0.04751	0.04975	0.05305	0.05592	0.06184	0.06459
3751938.31	0.04147	0.04298	0.04343	0.04544	0.04773	0.05040	0.05384	0.05893	0.06100
3749938.31	0.03906	0.04117	0.04263	0.04496	0.04713	0.04928	0.05295	0.05511	0.05791
3747938.31	0.03828	0.04387	0.04363	0.04461	0.04633	0.04780	0.04850	0.05052	0.05570
3745938.31	0.04399	0.01892	0.04172	0.04380	0.04292	0.04406	0.04487	0.04760	0.05493
3743938.31	0.03463	0.01772	0.01603	0.04477	0.04307	0.04340	0.04449	0.04483	0.04907
3741938.31	0.01790	0.01808	0.01468	0.02263	0.02433	0.04746	0.04527	0.04481	0.04719

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** NO2 - LST ASSESSMENT (NO REFRIGERATION) *** 10:55:12
PAGE 70

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112172 , L0112173 , L0112174 , L0112175 ,

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L0112176    , L0112177    , L0112178    , L0112179    , L0112180    , L0112181    , L0112182    , L0112183    ,
L0112184    , L0112185    , L0112186    , L0112187    , L0112188    , L0112189    , L0112190    , L0112191    ,
L0112192    , L0112193    , L0112194    , L0112195    , L0112196    , L0112197    , L0112198    ,  . . .      ,

                    *** NETWORK ID: UCART2   ;  NETWORK TYPE: GRIDCART ***

                         ** CONC OF NO2      IN MICROGRAMS/M**3                          **
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Y-COORD (METERS)	X-COORD (METERS) 455508.49	457508.49	459508.49
3767938.31	0.06919	0.07373	0.07842
3765938.31	0.07141	0.07968	0.07612
3763938.31	0.06837	0.07403	0.08054
3761938.31	0.06750	0.07328	0.08654
3759938.31	0.07048	0.07599	0.08133
3757938.31	0.07286	0.07759	0.08457
3755938.31	0.07187	0.07585	0.08242
3753938.31	0.06743	0.07303	0.07841
3751938.31	0.06397	0.06872	0.07509
3749938.31	0.06215	0.06617	0.07198
3747938.31	0.06219	0.06335	0.06738
3745938.31	0.05525	0.06162	0.06443
3743938.31	0.05369	0.05919	0.06325
3741938.31	0.05406	0.05894	0.06334

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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE  71
 **MODELOPTs:  NonDFAULT CONC                                                ELEV
                   FASTALL                                                        OLM

                 *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     PHASE1      , L0112172    , L0112173    , L0112174    , L0112175    ,
                L0112176    , L0112177    , L0112178    , L0112179    , L0112180    , L0112181    , L0112182    , L0112183    ,
                L0112184    , L0112185    , L0112186    , L0112187    , L0112188    , L0112189    , L0112190    , L0112191    ,
                L0112192    , L0112193    , L0112194    , L0112195    , L0112196    , L0112197    , L0112198    ,  . . .      ,

                    *** NETWORK ID: UCART3   ;  NETWORK TYPE: GRIDCART ***

                         ** CONC OF NO2      IN MICROGRAMS/M**3                          **
```

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	2.84730	3.03274	3.25758	3.47546	3.72686	4.09024	4.50280	5.04320	5.74734
3754534.43	2.87625	3.06494	3.30807	3.55936	3.84684	4.15393	4.59303	5.11041	5.84541
3754434.43	2.89304	3.09864	3.33194	3.59801	3.89049	4.26004	4.68332	5.22130	5.94410
3754334.43	2.89966	3.10703	3.33938	3.60653	3.92836	4.29715	4.73726	5.27253	5.98906
3754234.43	2.89282	3.09749	3.33531	3.60753	3.92816	4.29949	4.74188	5.28970	6.01578
3754134.43	2.86952	3.08355	3.31783	3.58974	3.91115	4.28088	4.72605	5.27745	5.99177
3754034.43	2.84085	3.05905	3.29078	3.55895	3.87582	4.24549	4.67816	5.24051	5.94740
3753934.43	2.81158	3.02355	3.24982	3.51344	3.82435	4.18856	4.62275	5.17305	5.88621
3753834.43	2.78672	2.98202	3.20468	3.45662	3.76090	4.11552	4.54457	5.07789	5.76862
3753734.43	2.74938	2.93764	3.15365	3.39892	3.69045	4.03243	4.44109	4.95986	5.64954
3753634.43	2.70875	2.88905	3.10223	3.34024	3.61915	3.94681	4.33800	4.83131	5.48598
3753534.43	2.65745	2.83613	3.04291	3.27316	3.54316	3.86478	4.24254	4.72363	5.32611
3753434.43	2.58861	2.77327	2.97670	3.20388	3.46613	3.77391	4.14475	4.59736	5.17569
3753334.43	2.52974	2.70278	2.89171	3.11462	3.37026	3.67593	4.02532	4.45777	5.00627
3753234.43	2.45656	2.61866	2.80816	3.02707	3.26629	3.54871	3.89697	4.30048	4.81631
3753134.43	2.39438	2.54849	2.71791	2.91279	3.16238	3.43546	3.76696	4.12523	4.57437
3753034.43	2.31143	2.45828	2.63461	2.82161	3.05048	3.30109	3.60662	3.94424	4.36464
3752934.43	2.21633	2.36093	2.53454	2.70480	2.92750	3.16117	3.44234	3.76943	4.13697
3752834.43	2.15532	2.28731	2.44479	2.61532	2.80984	3.02795	3.28743	3.60716	3.92268
3752734.43	2.08024	2.21592	2.34790	2.50919	2.68921	2.91549	3.12577	3.41336	3.71974
3752634.43	2.02051	2.13056	2.28027	2.42714	2.58476	2.81476	3.03130	3.26442	3.52855
3752534.43	1.94717	2.05795	2.16518	2.33345	2.47972	2.66189	2.87756	3.08673	3.36127
3752434.43	1.87731	2.00464	2.11861	2.25465	2.39266	2.53007	2.75922	2.93774	3.21753
3752334.43	1.81792	1.93267	2.04492	2.16155	2.30736	2.45471	2.64034	2.82979	3.07435
3752234.43	1.75769	1.85999	1.98775	2.09377	2.21990	2.32409	2.53838	2.70416	2.93710
3752134.43	1.70949	1.81606	1.91962	2.03384	2.16025	2.28721	2.44120	2.63638	2.84985
3752034.43	1.68252	1.77538	1.85132	1.96423	2.09684	2.20488	2.36192	2.53866	2.73500
3751934.43	1.62300	1.71275	1.81214	1.90818	2.01897	2.15081	2.30150	2.45312	2.62643
3751834.43	1.58341	1.67351	1.76614	1.87142	1.96358	2.09437	2.23215	2.36977	2.49834
3751734.43	1.56469	1.64475	1.74388	1.83634	1.92947	2.03973	2.16107	2.28044	2.37738
3751634.43	1.53638	1.61924	1.69934	1.78767	1.88172	1.98046	2.08337	2.16667	2.17247
3751534.43	1.50417	1.57972	1.64965	1.73105	1.81345	1.91027	1.98119	1.91108	1.70233
3751434.43	1.47206	1.53374	1.59878	1.66961	1.74613	1.78487	1.71885	1.54529	1.27065
3751334.43	1.43335	1.49365	1.55490	1.60925	1.68146	1.68015	1.51611	1.20848	1.12326
3751234.43	1.39482	1.44818	1.49936	1.54468	1.57015	1.50477	1.33582	1.10039	1.06915
3751134.43	1.35165	1.40884	1.46013	1.39641	1.40636	1.35365	1.27292	1.08296	1.05827
3751034.43	1.31712	1.36017	1.32710	1.16067	1.27918	1.22266	1.08672	0.99338	0.99783
3750934.43	1.22671	1.28048	1.11223	1.06301	1.09494	1.06892	0.96189	0.93126	0.94954

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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE  72
 **MODELOPTs:  NonDFAULT CONC                                                ELEV
                   FASTALL                                                        OLM

                 *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     PHASE1      , L0112172    , L0112173    , L0112174    , L0112175    ,
                L0112176    , L0112177    , L0112178    , L0112179    , L0112180    , L0112181    , L0112182    , L0112183    ,
                L0112184    , L0112185    , L0112186    , L0112187    , L0112188    , L0112189    , L0112190    , L0112191    ,
                L0112192    , L0112193    , L0112194    , L0112195    , L0112196    , L0112197    , L0112198    ,  . . .      ,

                    *** NETWORK ID: UCART3   ;  NETWORK TYPE: GRIDCART ***

                         ** CONC OF NO2      IN MICROGRAMS/M**3                          **
```

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	6.86467
3754534.43	6.98988

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 3754434.43 |       7.10319
 3754334.43 |       7.14553
 3754234.43 |       7.12535
 3754134.43 |       7.05676
 3754034.43 |       6.97207
 3753934.43 |       6.89248
 3753834.43 |       6.76569
 3753734.43 |       6.60465
 3753634.43 |       6.40804
 3753534.43 |       6.14239
 3753434.43 |       5.92936
 3753334.43 |       5.67689
 3753234.43 |       5.41264
 3753134.43 |       5.14951
 3753034.43 |       4.88780
 3752934.43 |       4.57131
 3752834.43 |       4.35348
 3752734.43 |       4.10335
 3752634.43 |       3.89631
 3752534.43 |       3.69240
 3752434.43 |       3.52347
 3752334.43 |       3.34196
 3752234.43 |       3.21868
 3752134.43 |       3.07348
 3752034.43 |       2.91844
 3751934.43 |       2.78329
 3751834.43 |       2.59998
 3751734.43 |       2.41373
 3751634.43 |       2.01735
 3751534.43 |       1.41897
 3751434.43 |       1.20795
 3751334.43 |       1.13196
 3751234.43 |       1.09462
 3751134.43 |       1.06190
 3751034.43 |       1.01982
 3750934.43 |       0.97845
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE  73
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                        FASTALL                                                       OLM

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     PHASE1      , L0112172    , L0112173    , L0112174    , L0112175    ,
                 L0112176    , L0112177    , L0112178    , L0112179    , L0112180    , L0112181    , L0112182    , L0112183    ,
                 L0112184    , L0112185    , L0112186    , L0112187    , L0112188    , L0112189    , L0112190    , L0112191    ,
                 L0112192    , L0112193    , L0112194    , L0112195    , L0112196    , L0112197    , L0112198    ,  . . .      ,

                                    *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                         ** CONC OF NO2      IN MICROGRAMS/M**3                          **

   Y-COORD  |                                        X-COORD (METERS)
   (METERS) |     485549.47    485649.47    485749.47    485849.47
- - - -
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**MODELOPTS:  NonDFAULT CONC                                        ELEV
                FASTALL                                                  OLM

   *** THE   1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                          INCLUDING SOURCE(S):     PHASE1      , L0112172    , L0112173    , L0112174    , L0112175    ,
              L0112176    , L0112177    , L0112178    , L0112179    , L0112180    , L0112181    , L0112182    , L0112183    ,
              L0112184    , L0112185    , L0112186    , L0112187    , L0112188    , L0112189    , L0112190    , L0112191    ,
              L0112192    , L0112193    , L0112194    , L0112195    , L0112196    , L0112197    , L0112198    ,  . . .      ,

                          *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                          ** CONC OF NO2      IN MICROGRAMS/M**3                          **

   Y-COORD  |                                        X-COORD (METERS)
   (METERS) |     461553.03    462553.03    463553.03    464553.03    465553.03    466553.03    467553.03    468553.03    469553.03
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3767938.31 |       9.47219     10.32798     10.38362     10.45800     10.20961     10.05754     10.12822     11.34035     11.80610
 3766938.31 |       9.68912      9.43212     10.06798     10.80365     10.77747     10.69624     10.54811     11.62686     11.33098
 3765938.31 |      10.56731     11.13723      9.96968      9.86640     10.81801     11.17121     11.51926     12.18624     11.21194
 3764938.31 |       9.38571     10.92474     11.28021     10.87971     10.35740     10.27217     11.47768     12.12829     12.31929
 3763938.31 |       9.74835     10.23842      9.52352     10.60865     11.18559     11.29525     10.88653     11.41985     12.78049
 3762938.31 |       9.71994     10.01626     10.27137     10.00599      9.94124     10.89989     11.98500     12.29672     12.02894
 3761938.31 |       8.93114      9.35245      9.72486     10.42059     10.76648     11.02690     10.84733     11.55149     13.18176
 3760938.31 |       9.05561      9.37663      9.70405      9.87224     10.34218     10.89018     11.69084     12.22963     12.42971
 3759938.31 |       9.09154      9.37832     10.01972      9.88823     10.40099     10.90781     11.14091     11.76159     12.66470
 3758938.31 |      10.36289     10.54910     10.54185     10.47792     10.50147     10.84908     11.20678     11.71287     12.43124
 3757938.31 |      10.01622     10.35493     10.71542     11.44461     11.86339     12.12592     12.43758     12.55324     12.70868
 3756938.31 |      10.63321     10.94104     11.28043     11.68934     12.05867     12.41358     12.53156     12.74773     13.67172
 3755938.31 |       9.69348     10.19078     10.72404     11.34208     12.02131     13.00685     13.70072     14.63912     14.84567
 3754938.31 |       9.26453      9.57579      9.93734     10.40637     10.89559     11.88451     12.61050     13.45976     14.29765
 3753938.31 |       9.62975      9.92490     10.28381     10.66057     11.29378     11.99113     12.60004     13.58144     14.98064
 3752938.31 |      10.01948     10.41986     10.92068     11.41377     12.11586     13.04684     13.99653     14.88657     15.85993
 3751938.31 |      10.51691     10.75893     11.03162     11.45110     11.96557     12.48694     12.94740     13.71094     14.51080
 3750938.31 |       9.80806     10.28265     10.87026     11.33477     11.70789     12.64846     13.67463     14.16888     15.00543
 3749938.31 |      10.38002     10.71408     11.46103     12.19906     12.33826     12.35367     12.59512     12.72830     13.50365
 3748938.31 |       9.98801      9.36950      9.64710     10.43236     10.96340     11.43400     12.76206     16.14514     15.05932
 3747938.31 |       9.59244     10.17814     10.14212     10.61481     11.28952     14.54574     14.86622     14.83781     13.53556
 3746938.31 |      10.33038     10.85824     10.71153     10.30348     10.58516     11.03812     11.49597     11.80596     12.42753
 3745938.31 |       9.75065     10.06447     10.15820     10.22464     10.19512     10.51539     11.28949     12.49628     13.61631
 3744938.31 |       9.48207      9.80061      9.66220     10.01090     10.55795     10.95368     13.33088     11.83240     13.32860
 3743938.31 |       9.04411      9.59413      9.96489     10.14187     10.14570      9.83283     10.58770     10.71230     11.78592
 3742938.31 |       9.57797      9.65299      9.75253      9.99604     10.59201     11.25053     10.92713     13.19713     13.71344
 3741938.31 |       9.26576     10.92165     11.30456     11.26842     11.46628     12.82576     12.93431     11.86939     12.96925
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                          *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                                      ***        10:55:12
                                                                                                                      PAGE  76
**MODELOPTS:  NonDFAULT CONC                                        ELEV
                FASTALL                                                  OLM

   *** THE   1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                          INCLUDING SOURCE(S):     PHASE1      , L0112172    , L0112173    , L0112174    , L0112175    ,
              L0112176    , L0112177    , L0112178    , L0112179    , L0112180    , L0112181    , L0112182    , L0112183    ,
              L0112184    , L0112185    , L0112186    , L0112187    , L0112188    , L0112189    , L0112190    , L0112191    ,
              L0112192    , L0112193    , L0112194    , L0112195    , L0112196    , L0112197    , L0112198    ,  . . .      ,

                          *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                          ** CONC OF NO2      IN MICROGRAMS/M**3                          **

   Y-COORD  |                                        X-COORD (METERS)
   (METERS) |     470553.03    471553.03    472553.03    473553.03    474553.03    475553.03    476553.03    477553.03    478553.03
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3767938.31 |      11.77564     11.99911     11.78342     12.22760     11.53701     11.17658     11.19912     12.34376     12.65570
 3766938.31 |      12.66572     12.48020     13.21066     12.56699     13.58935     12.95923     12.06728     12.11883     13.72708
 3765938.31 |      11.55458     13.59897     14.58259     14.17502     13.94542     15.23296     14.51142     13.55307     14.28770
 3764938.31 |      12.07029     12.41875     17.81828     15.74588     15.43653     15.60737     17.23150     19.33640     16.10151
 3763938.31 |      13.50978     13.76007     14.06892     16.65903     16.56561     16.81385     17.74094     22.72513     20.62661
 3762938.31 |      13.02272     14.58021     15.31877     15.43390     17.05462     22.44130     18.38940     20.05810     24.05682
 3761938.31 |      14.59655     20.55674     21.41886     17.41458     22.42435     18.92935     21.39945     25.34469     26.95863
 3760938.31 |      13.30117     15.98378     22.48140     22.28180     24.45776     24.32157     19.02508     19.08583     27.71471
 3759938.31 |      13.68856     14.54669     20.83823     17.52007     25.96593     27.17508     28.51695     22.00916     29.95695
 3758938.31 |      13.24049     14.34523     18.46927     17.39559     26.00981     27.47284     30.28425     32.51481     33.29793
 3757938.31 |      13.62956     14.58186     18.63366     17.44236     18.37745     28.61500     28.65169     33.69756     36.03440
 3756938.31 |      15.24579     16.70848     17.16793     20.74803     21.44579     28.09000     28.10540     29.04221     37.31960
 3755938.31 |      16.87648     18.25502     18.55381     19.81211     24.28578     26.12779     25.18779     27.84634     31.30489
 3754938.31 |      15.20210     16.47625     17.72686     19.17780     20.88981     23.94251     26.23596     29.02747     31.74557
 3753938.31 |      14.99099     15.02624     16.15331     17.27868     18.53798     20.21006     22.21147     24.26087     26.80581
 3752938.31 |      17.04580     17.53016     17.73944     18.56814     19.80402     21.22034     22.81326     24.64817     27.00179
 3751938.31 |      15.98665     20.07743     17.71012     17.70459     18.64238     19.79990     21.22486     22.73941     24.37750
 3750938.31 |      18.31467     19.07310     18.95115     16.23651     16.11617     16.54320     17.83196     19.05770     20.14983
 3749938.31 |      17.41101     18.00387     18.41215     15.26515     15.33386     15.70686     16.30311     17.35820     19.14152
 3748938.31 |      17.04263     17.46566     17.02487     15.10501     14.47073     15.09822     15.49410     17.73138     19.72496
 3747938.31 |      15.27984     16.05918     16.48634     17.08155     13.94855     14.96973     16.58405     17.84182     17.58046
 3746938.31 |      15.67462     14.94287     14.92717     17.07545     17.66024     15.80304     15.69385     15.26494     15.02934
 3745938.31 |      14.68688     13.88431     14.53085     16.44517     17.51113     13.91800     13.27041     13.86066     15.45647
 3744938.31 |      12.75116     13.17883     14.59767     14.87936     16.29965     12.45678     12.95218     14.11622     15.38792
 3743938.31 |      13.12360     13.26118     12.26832     12.95764     13.87522     12.29560     13.17649     14.29884     14.07003
 3742938.31 |      12.98854     13.88769     14.30772     13.89951     13.46495     12.69461     13.60414     13.22543     12.22756
 3741938.31 |      13.37028     13.60294     14.31065     13.82991     14.38550     15.98315     13.42467     11.86989     11.63773
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                          *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                                      ***        10:55:12
                                                                                                                      PAGE  77
**MODELOPTS:  NonDFAULT CONC                                        ELEV
                FASTALL                                                  OLM

   *** THE   1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                          INCLUDING SOURCE(S):     PHASE1      , L0112172    , L0112173    , L0112174    , L0112175    ,
              L0112176    , L0112177    , L0112178    , L0112179    , L0112180    , L0112181    , L0112182    , L0112183    ,
              L0112184    , L0112185    , L0112186    , L0112187    , L0112188    , L0112189    , L0112190    , L0112191    ,
              L0112192    , L0112193    , L0112194    , L0112195    , L0112196    , L0112197    , L0112198    ,  . . .      ,

                          *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                          ** CONC OF NO2      IN MICROGRAMS/M**3                          **
```

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	13.17982	11.66426	11.63707	11.92610	12.03797	12.26460	13.91916	14.03613	15.34772
3766938.31	13.60173	13.86387	12.45846	12.47725	12.84206	12.80988	15.20785	17.94829	19.89846
3765938.31	15.25293	14.92306	14.21865	13.31144	13.93393	16.26625	20.37710	21.73124	21.28825
3764938.31	16.15389	16.27053	15.78459	14.41879	16.48271	22.42025	23.40767	23.39268	22.11384
3763938.31	22.59154	18.06132	18.29425	16.69828	15.26417	21.12126	24.35189	23.64810	22.21518
3762938.31	22.06896	23.21537	21.04978	21.58997	18.69185	17.09086	27.44760	28.63740	28.05160
3761938.31	25.04650	21.13607	27.59009	27.72142	27.27122	19.86121	25.09187	32.76614	31.63790
3760938.31	28.91420	20.56007	19.98391	25.61464	29.67334	32.68989	30.54668	27.30366	33.40314
3759938.31	23.58682	25.30062	20.75599	21.12407	24.55612	32.65162	40.40016	43.53740	42.95400
3758938.31	24.99643	23.37649	31.03366	27.70789	26.99973	34.54827	38.83989	34.60716	43.58795
3757938.31	34.49087	29.56002	30.93473	41.15712	38.09396	44.74504	39.93224	43.65425	41.89753
3756938.31	40.07264	42.65093	44.24367	46.22902	56.55427	57.70906	61.23527	74.18869	65.48210
3755938.31	39.76393	43.72397	50.03594	60.30015	72.05811	78.14148	83.58099	89.87781	87.89814
3754938.31	36.46018	46.36245	49.37876	59.87154	71.88372	85.27517	96.92580	104.66159	126.90610
3753938.31	29.83551	36.35858	46.66560	59.81712	72.35120	85.97468	91.33190	89.12355	93.43325
3752938.31	29.35456	33.04371	37.48508	43.46382	52.03505	66.18211	84.74106	89.00060	94.31300
3751938.31	25.89676	27.78902	30.05078	37.01021	42.68049	51.63680	69.21470	59.43040	85.91676
3750938.31	21.46133	25.39790	29.10491	32.86231	37.66457	50.58187	32.08576	45.30098	68.92696
3749938.31	22.31108	24.64074	26.65014	36.22896	38.86255	45.12921	47.12607	52.32239	44.38187
3748938.31	20.95622	20.83426	29.80799	27.08902	37.25357	32.51845	35.73190	31.18246	40.55352
3747938.31	16.98087	20.04677	26.44489	28.77102	24.22394	26.17964	27.88366	25.72319	37.71398
3746938.31	17.31298	19.10937	18.96072	18.64525	19.32101	23.43051	24.06341	30.05556	22.34396
3745938.31	16.88754	16.60168	15.87292	16.67890	17.41395	21.44275	27.48464	26.81908	18.44912
3744938.31	15.15304	14.02201	14.80746	15.25437	17.08325	19.54572	20.45885	16.62084	16.18596
3743938.31	12.80062	13.59784	13.52562	14.36508	19.67077	19.44473	16.36478	14.91207	14.91735
3742938.31	12.46314	12.66271	12.96943	13.27262	16.23819	16.24261	14.25344	13.84230	13.82287
3741938.31	12.11682	11.82362	12.66730	12.96331	15.65128	14.95031	12.82285	12.98311	13.04615

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** NO2 - LST ASSESSMENT (NO REFRIGERATION) *** 10:55:12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , L0112183 ,
L0112184 , L0112185 , L0112186 , L0112187 , L0112188 , L0112189 , L0112190 , L0112191 ,
L0112192 , L0112193 , L0112194 , L0112195 , L0112196 , L0112197 , L0112198 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	17.53610	18.26485	16.72938	15.13207	13.45881	9.54036	11.16957	12.09679	12.11670
3766938.31	19.18560	18.11509	16.02717	15.70629	14.50699	13.23292	13.80901	13.31460	12.78550
3765938.31	19.80396	18.93736	19.16152	19.48901	17.35255	15.80161	14.53818	14.05710	11.25164
3764938.31	20.99400	21.43711	21.42343	20.06460	18.44870	16.01160	15.43628	13.24598	13.22661
3763938.31	23.00057	23.21682	23.77634	20.94297	19.55935	17.76591	15.62593	14.87056	13.07444
3762938.31	28.49694	27.19596	25.24659	22.32828	19.99025	18.57678	16.60511	14.59927	14.18218
3761938.31	27.43075	26.51779	23.73894	21.91203	21.58679	18.61391	16.49726	15.86866	14.24641
3760938.31	33.94894	28.80957	26.40349	24.33117	21.01383	20.11741	18.83191	16.38417	15.65537
3759938.31	41.25498	38.48445	33.36952	28.02517	23.92204	22.11288	19.88116	19.00790	18.11617
3758938.31	33.94229	34.02028	34.05503	28.84579	27.86121	24.95837	23.52585	20.82310	18.47475
3757938.31	35.44262	31.52708	27.74577	24.58384	24.66690	27.86326	21.75858	20.32659	19.12343
3756938.31	44.10061	31.97474	32.30456	28.47860	22.17100	25.14450	24.02237	18.94269	17.40918
3755938.31	66.83261	46.39544	37.64375	25.17252	25.79931	20.92458	21.49792	23.23618	21.71377
3754938.31	97.72937	74.29630	54.21501	41.73702	31.76446	32.48628	28.95957	24.88045	23.70681
3753938.31	87.80765	97.59444	73.88369	54.36064	47.32433	38.52172	35.46041	30.09342	23.03115
3752938.31	114.54709	99.26879	102.18818	84.71382	69.16631	52.63354	44.09286	36.24567	25.05642
3751938.31	67.44282	61.37057	68.04082	67.45376	55.87767	59.41636	48.98705	40.65880	30.88948
3750938.31	43.09219	45.99813	41.45317	45.26397	46.73366	46.63899	44.95019	43.34482	35.25210
3749938.31	34.99456	34.96333	35.36670	32.57655	35.40760	37.00579	31.13715	37.68557	33.08077
3748938.31	31.03606	27.16563	29.94275	28.92959	27.09479	28.47938	29.61002	36.91616	31.72974
3747938.31	27.23972	23.23254	22.98005	26.22376	24.72207	22.41184	23.77785	25.41879	30.29062
3746938.31	23.95700	21.90283	20.28557	21.00441	22.92372	21.93462	19.01184	20.28618	22.44305
3745938.31	21.20259	19.68911	18.27492	17.99463	19.78680	20.47946	19.44395	17.15148	17.60923
3744938.31	19.06987	18.59654	16.34596	16.37054	16.31675	18.49645	18.49550	17.35508	15.82006
3743938.31	17.35750	17.59423	15.21874	15.28658	15.29713	15.32767	17.29541	16.91988	15.55103
3742938.31	15.78081	16.68423	14.74837	14.22432	21.48710	16.77713	18.91063	16.25585	15.72723
3741938.31	14.37184	15.86126	14.67712	20.33027	19.01702	16.45528	16.18637	16.34336	15.28073

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** NO2 - LST ASSESSMENT (NO REFRIGERATION) *** 10:55:12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , L0112183 ,
L0112184 , L0112185 , L0112186 , L0112187 , L0112188 , L0112189 , L0112190 , L0112191 ,
L0112192 , L0112193 , L0112194 , L0112195 , L0112196 , L0112197 , L0112198 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	11.53824	8.73261	7.74960	6.51400	5.49149	4.67533	3.87440	2.97166	2.23657
3766938.31	10.46264	9.22045	7.04452	6.63388	5.32323	2.35210	2.52797	2.48593	2.31355
3765938.31	11.80808	8.17254	6.04574	6.36694	5.55269	3.42013	2.71015	2.61402	3.26781
3764938.31	11.51496	9.73911	8.05976	8.01642	5.74511	4.53293	4.28209	4.11455	3.43658
3763938.31	12.78383	12.14372	11.42693	9.66101	7.30515	5.67228	5.28971	5.29085	4.56010
3762938.31	12.81453	12.86942	10.35863	8.49069	7.61714	6.81740	6.09051	5.61424	5.25216
3761938.31	14.28762	13.15205	10.65114	6.40934	7.91922	6.70855	7.12158	6.91234	5.98076

3760938.31	14.94602	14.50584	11.44135	9.35721	8.51398	9.76106	8.48990	7.79746	6.66013
3759938.31	16.04288	13.95666	13.20405	13.49756	13.29370	11.50177	9.83363	8.31011	7.56002
3758938.31	17.05846	15.85860	14.29159	13.19209	11.96466	12.06625	12.05753	11.16555	8.95462
3757938.31	16.78006	14.89751	14.29563	13.61118	13.34759	12.86996	12.37387	12.10659	11.96468
3756938.31	17.06851	16.12769	14.99328	14.74772	14.90361	14.87557	14.83321	14.76948	14.67196
3755938.31	20.72407	19.85367	18.88314	17.74616	17.08363	16.58278	16.07678	15.77507	15.36709
3754938.31	21.51952	19.92654	18.44860	17.60788	16.44764	15.68027	14.84415	14.34959	14.05185
3753938.31	20.73891	19.27062	18.03046	16.60564	15.63323	15.03526	14.72727	14.45588	14.24413
3752938.31	23.93852	20.49955	19.02331	16.98324	16.85354	16.08031	15.78527	15.42676	14.96555
3751938.31	27.91637	25.80403	20.48204	18.41107	18.61179	16.70979	15.45467	15.39922	14.90898
3750938.31	31.74104	26.46600	20.47061	20.42841	19.17619	18.60951	18.15109	18.05790	16.37189
3749938.31	34.96247	31.07259	26.23327	21.87759	19.25435	17.00509	17.73416	17.36536	16.95127
3748938.31	32.49968	30.20262	26.30599	21.95006	20.93684	21.48315	19.46256	18.40587	15.85930
3747938.31	29.37997	30.28847	26.50050	23.95115	21.07761	17.43451	19.66107	19.41557	19.78460
3746938.31	22.38127	24.05109	23.36609	23.31425	22.87224	20.46294	20.44509	19.95355	18.26917
3745938.31	19.94176	20.23288	24.18757	23.95010	23.06859	22.49234	20.84821	17.66926	15.32273
3744938.31	15.42516	17.67521	18.07277	17.87456	17.03657	17.61284	18.54977	11.06566	12.46739
3743938.31	14.78215	14.35991	15.77383	16.80586	19.75169	15.31182	9.89902	10.86925	8.82105
3742938.31	13.98941	13.97863	13.59683	14.15874	15.86082	19.50842	15.25895	9.05038	7.99133
3741938.31	14.60156	13.21399	13.31841	13.01485	13.06223	14.79107	14.90617	16.27366	10.02760

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , L0112183 ,
L0112184 , L0112185 , L0112186 , L0112187 , L0112188 , L0112189 , L0112190 , L0112191 ,
L0112192 , L0112193 , L0112194 , L0112195 , L0112196 , L0112197 , L0112198 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 437508.49	439508.49	441508.49	443508.49	445508.49	447508.49	449508.49	451508.49	453508.49
3767938.31	6.20338	6.19696	6.20008	6.41586	6.62890	7.42398	7.76033	7.72560	7.30871
3765938.31	5.98613	6.12632	6.14639	6.49280	6.72981	6.93190	7.06532	7.35369	8.12343
3763938.31	6.93634	6.75898	6.49759	6.21395	6.58735	6.93105	7.00293	7.51877	7.63118
3761938.31	6.54579	6.68687	6.79071	7.26205	7.74002	7.92245	7.82657	7.51624	7.44385
3759938.31	6.83444	6.80043	6.84346	6.94793	7.05415	7.36612	7.82585	8.21438	8.39891
3757938.31	6.22135	6.21962	6.31025	6.49633	6.99707	7.48316	7.92476	8.50935	9.03327
3755938.31	5.84772	5.88621	6.14769	6.37197	6.61361	6.82631	7.09052	7.55404	8.23920
3753938.31	6.33763	6.08597	6.26375	6.51178	6.73748	7.08704	7.36122	7.99606	8.20659
3751938.31	6.28634	6.55529	6.66271	6.99364	7.34540	7.72172	8.16606	8.81473	8.70242
3749938.31	5.69001	5.76587	5.80744	6.06733	6.27660	6.50402	6.95584	7.31430	7.78888
3747938.31	5.90635	6.82896	6.89092	7.08894	7.34379	7.65211	7.50331	7.77027	8.27056
3745938.31	7.50926	8.12600	7.88547	6.60700	6.45746	6.62024	6.70661	7.11836	8.18090
3743938.31	7.03386	7.15817	7.20724	7.44805	7.20358	7.26779	7.42170	7.39552	7.67943
3741938.31	7.42668	7.61792	7.27862	8.45853	8.46233	7.83375	7.11826	7.00804	7.21611

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** NO2 - LST ASSESSMENT (NO REFRIGERATION) *** 10:55:12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , L0112183 ,
L0112184 , L0112185 , L0112186 , L0112187 , L0112188 , L0112189 , L0112190 , L0112191 ,
L0112192 , L0112193 , L0112194 , L0112195 , L0112196 , L0112197 , L0112198 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 455508.49	457508.49	459508.49
3767938.31	8.59035	9.51840	9.11604
3765938.31	8.81152	9.01469	12.37141
3763938.31	7.74636	8.30823	9.45591
3761938.31	7.86463	8.27062	9.66698
3759938.31	9.06241	9.50193	9.38069
3757938.31	9.03939	9.32959	9.64444
3755938.31	8.49085	8.80586	9.28522
3753938.31	8.22172	8.69093	9.08289
3751938.31	8.88541	9.35681	9.95819
3749938.31	8.41168	8.93476	9.69784
3747938.31	8.69977	8.35470	8.94370
3745938.31	8.47831	9.43900	9.45666
3743938.31	7.89989	8.57922	8.91735
3741938.31	7.66859	8.71062	9.16228

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** NO2 - LST ASSESSMENT (NO REFRIGERATION) *** 10:55:12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , L0112183 ,
L0112184 , L0112185 , L0112186 , L0112187 , L0112188 , L0112189 , L0112190 , L0112191 ,
L0112192 , L0112193 , L0112194 , L0112195 , L0112196 , L0112197 , L0112198 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71

3754634.43	85.14993	86.29581	86.67462	87.31244	87.91417	88.49674	89.11765	89.54574	91.87675
3754534.43	83.98833	85.52877	86.19368	86.71445	87.34738	89.95609	90.72352	93.22049	93.95319
3754434.43	83.09691	84.10973	85.50109	86.16200	86.57978	87.24670	88.57107	90.22581	92.02342
3754334.43	83.13170	83.99601	84.89744	85.92609	86.43917	87.02203	87.65753	88.74942	91.06271
3754234.43	83.99134	84.46177	85.49859	86.28594	86.72489	87.33925	87.72700	88.48474	89.30959
3754134.43	84.53110	85.81268	86.06005	86.38478	86.73024	87.09318	87.57901	88.15058	88.65315
3754034.43	85.56349	86.17250	86.44260	86.70793	87.00465	87.43885	87.53247	88.41353	88.68700
3753934.43	85.95914	86.46837	86.78284	87.11877	87.43547	87.74229	87.93674	88.71005	89.21267
3753834.43	86.07334	86.46272	86.73715	87.35377	87.60071	88.11075	88.61245	88.91977	88.85469
3753734.43	86.13434	86.48811	86.75318	87.13968	87.43221	87.65161	88.89269	89.07602	89.44210
3753634.43	85.94427	86.47756	86.30671	87.08305	87.57800	88.12064	88.69041	89.63926	91.07031
3753534.43	84.17835	84.12234	85.84451	87.00531	87.83946	88.12407	89.38943	89.24407	92.68878
3753434.43	78.99404	83.23334	85.26804	85.71222	86.38577	87.41300	87.22907	87.45617	89.99048
3753334.43	78.13556	80.84192	81.24805	83.71436	84.90684	85.65213	85.62288	85.84607	86.58978
3753234.43	74.55913	75.53018	78.36062	81.92782	81.91885	83.37395	85.46264	85.86010	86.59654
3753134.43	75.64944	76.14034	75.97915	76.12254	80.13536	82.13188	85.62169	84.15568	85.69266
3753034.43	72.05226	72.21810	75.03431	74.92909	77.34617	78.14908	80.81640	81.78348	83.97298
3752934.43	66.09000	68.05454	70.99710	71.59786	74.16051	75.29282	77.38659	79.42748	81.13523
3752834.43	64.71967	66.17996	68.41096	70.24816	72.27048	73.90469	75.61925	78.37205	79.20959
3752734.43	62.42233	64.21735	65.46911	67.16724	68.93610	71.30082	72.87410	75.87076	77.87004
3752634.43	60.08416	61.03263	63.19639	65.10858	67.05648	70.68722	72.48524	74.12154	76.20590
3752534.43	58.75230	60.24435	61.47423	63.93383	65.33967	67.10485	69.24384	70.91102	74.14178
3752434.43	57.50697	59.45642	60.54709	61.85825	63.24123	64.44893	67.57824	69.53416	72.85791
3752334.43	55.83081	57.39039	58.84670	60.13138	61.86186	63.84121	66.21344	68.06871	70.41052
3752234.43	54.58606	55.97237	57.71309	59.03467	60.89345	62.05818	64.43419	65.80423	67.49059
3752134.43	53.46751	55.10710	56.56155	58.39902	60.53320	62.08649	63.45340	64.72344	65.52984
3752034.43	53.13314	54.34685	55.45627	57.62365	59.83217	61.02153	62.14824	62.67475	63.86538
3751934.43	51.59856	53.44814	55.40970	56.85693	58.35847	59.81571	60.41556	61.40281	63.26861
3751834.43	51.33529	53.16545	54.74038	56.19703	56.90993	57.97397	58.85984	60.61816	64.77482
3751734.43	51.46490	52.80770	54.20765	55.03174	55.50029	56.40413	57.11829	59.60240	63.04478
3751634.43	50.93693	52.25950	52.99864	53.54549	54.40024	54.40480	57.00914	60.51099	65.51048
3751534.43	50.09862	51.15955	53.97626	54.22563	56.21333	56.13819	58.53230	65.12879	65.39229
3751434.43	49.75071	52.06265	54.21225	55.71504	56.05892	58.37476	63.56420	62.42406	55.55054
3751334.43	49.47388	51.15850	53.47894	54.76918	54.97673	59.36625	61.21583	54.83338	47.98242
3751234.43	49.75534	51.95423	53.32255	54.08829	56.90729	60.35616	58.29081	50.88347	44.62838
3751134.43	50.61670	50.92044	51.54190	57.00777	58.73530	57.60128	56.85051	50.97174	46.04158
3751034.43	49.69769	50.34875	54.50186	55.05329	56.39140	55.61953	52.29952	46.10032	42.21722
3750934.43	50.69005	51.71072	54.18981	52.10655	52.67646	52.06185	47.49604	41.75225	37.29709

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** NO2 - LST ASSESSMENT (NO REFRIGERATION) *** 10:55:12
PAGE 83

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , L0112183 ,
L0112184 , L0112185 , L0112186 , L0112187 , L0112188 , L0112189 , L0112190 , L0112191 ,
L0112192 , L0112193 , L0112194 , L0112195 , L0112196 , L0112197 , L0112198 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	95.04193
3754534.43	93.51449
3754434.43	95.96413
3754334.43	95.47383
3754234.43	91.76612
3754134.43	90.18827
3754034.43	89.40358
3753934.43	89.74349
3753834.43	89.78258
3753734.43	90.15391
3753634.43	92.53251
3753534.43	96.43112
3753434.43	92.00219
3753334.43	88.24797
3753234.43	87.16262
3753134.43	86.44786
3753034.43	85.86280
3752934.43	82.73493
3752834.43	81.72647
3752734.43	80.17900
3752634.43	78.44478
3752534.43	76.92142
3752434.43	75.83739
3752334.43	72.01472
3752234.43	68.52669
3752134.43	66.88245
3752034.43	67.91077
3751934.43	66.62212
3751834.43	66.75455
3751734.43	67.65398
3751634.43	69.29146
3751534.43	59.15596
3751434.43	47.90532
3751334.43	41.08889
3751234.43	40.30020
3751134.43	40.12627
3751034.43	37.17834
3750934.43	33.67551

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** NO2 - LST ASSESSMENT (NO REFRIGERATION) *** 10:55:12
PAGE 84

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112172 , L0112173 , L0112174 , L0112175 ,

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                L0112176    , L0112177    , L0112178    , L0112179    , L0112180    , L0112181    , L0112182    , L0112183    ,
                L0112184    , L0112185    , L0112186    , L0112187    , L0112188    , L0112189    , L0112190    , L0112191    ,
                L0112192    , L0112193    , L0112194    , L0112195    , L0112196    , L0112197    , L0112198    ,  . . .      ,

                                  *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF NO2      IN MICROGRAMS/M**3                          **

   Y-COORD  |                                              X-COORD (METERS)
   (METERS) |     485549.47    485649.47    485749.47    485849.47
- - - -
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , L0112183 ,
L0112184 , L0112185 , L0112186 , L0112187 , L0112188 , L0112189 , L0112190 , L0112191 ,
L0112192 , L0112193 , L0112194 , L0112195 , L0112196 , L0112197 , L0112198 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	8.53892	8.76855	8.97581	9.18977	9.35067	9.58025	9.87329	10.04201	10.15988
3766938.31	9.33644	9.39522	9.55153	9.78317	10.24617	10.54496	10.48274	10.86372	10.69158
3765938.31	9.51116	10.02016	10.86988	10.18729	10.99468	11.51523	11.85171	12.03764	12.22317
3764938.31	9.52723	9.99991	15.08187	11.63295	11.21937	12.34468	13.61423	18.04685	14.61339
3763938.31	9.97443	10.45771	11.58961	13.62303	12.39938	12.31373	14.35030	20.00565	18.10034
3762938.31	10.21451	10.69500	11.38798	11.97545	14.06380	18.79596	13.96508	16.42554	20.58763
3761938.31	11.64339	18.31689	19.36285	12.84206	19.80303	13.84579	17.46004	21.60546	23.78805
3760938.31	11.51040	12.92516	18.76196	18.65048	21.84368	20.28015	13.88214	14.13573	23.23184
3759938.31	10.95842	11.85728	17.34530	13.46467	22.47175	24.28357	25.31331	15.41999	24.12192
3758938.31	11.16555	12.41330	14.57641	12.80628	21.77271	25.43121	26.87087	29.28870	27.96212
3757938.31	11.65567	12.53433	16.46349	13.25565	14.63961	26.30178	25.17006	30.63419	32.20761
3756938.31	12.32843	13.34643	13.91453	18.85590	18.02851	25.54772	25.53630	26.87231	33.73095
3755938.31	12.76108	13.95052	14.24286	15.98420	21.75135	23.40761	22.10904	25.70649	29.02379
3754938.31	12.26190	12.98946	13.76382	14.74987	16.11636	18.54726	20.72091	22.97602	25.36770
3753938.31	12.60589	12.72253	13.68989	14.62714	15.63409	17.17975	19.05757	20.76445	23.06362
3752938.31	12.40905	12.64835	12.81676	13.57021	14.50875	15.68188	16.96929	18.60662	20.82537
3751938.31	12.53292	17.09141	14.07709	13.62296	14.24657	15.25050	16.24122	17.80471	19.48697
3750938.31	15.36166	16.69291	16.02651	12.83057	13.47418	14.13829	14.98114	16.51468	18.04721
3749938.31	14.52084	15.06393	15.26916	12.20835	12.94566	13.64133	14.44401	15.64402	16.72850
3748938.31	13.87822	15.03426	14.81266	13.06166	12.58478	13.06705	13.81100	14.67376	15.42413
3747938.31	13.04709	13.92477	14.67854	14.95114	12.07573	12.50243	13.03587	13.67733	14.44715
3746938.31	13.52687	12.59025	13.11765	14.95214	14.94636	11.93100	12.28501	13.05749	13.44086
3745938.31	13.23414	12.24868	12.38045	13.65559	14.18093	11.41396	11.82319	12.31130	12.51477
3744938.31	10.87444	10.55537	11.15709	12.11197	14.18775	10.96957	11.25763	11.44091	12.02650
3743938.31	9.78542	9.96992	10.54550	11.15540	12.21522	10.65403	10.65994	11.11944	11.37602
3742938.31	11.30349	11.92608	12.21230	11.82629	11.72267	10.35996	10.52032	10.57849	10.72718
3741938.31	11.62081	11.83418	12.71629	12.19432	12.49613	13.67256	10.63695	10.08071	10.02721

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , L0112183 ,
L0112184 , L0112185 , L0112186 , L0112187 , L0112188 , L0112189 , L0112190 , L0112191 ,
L0112192 , L0112193 , L0112194 , L0112195 , L0112196 , L0112197 , L0112198 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	10.30827	10.33872	10.39250	10.56326	10.77528	11.17856	11.45501	11.89761	13.84655
3766938.31	10.86446	11.08716	11.13554	11.53527	11.67887	11.93070	12.87031	16.49678	18.70280
3765938.31	12.01593	11.66619	12.28967	12.40602	12.75124	14.91060	18.66576	20.34078	19.68933
3764938.31	13.16037	13.02377	12.60710	13.21489	14.99002	20.86364	22.36726	21.50728	19.73691
3763938.31	20.96308	14.13134	14.32227	14.11299	14.50259	19.17209	22.36590	20.50454	18.95740
3762938.31	18.94800	20.72821	16.90045	18.12588	17.36842	16.12009	25.91423	27.00143	25.81005
3761938.31	20.67408	17.26911	25.37911	25.11406	25.22514	18.92640	23.29454	30.62380	29.27931
3760938.31	24.30193	15.85448	15.74880	20.88727	24.48066	29.46972	28.70259	23.32718	31.48922
3759938.31	17.94623	19.18174	16.86417	17.44586	20.15952	28.35173	37.12690	41.16664	40.45929
3758938.31	18.25017	18.60381	24.22092	21.67583	22.26431	28.02457	33.23868	31.12072	38.15796
3757938.31	27.48185	22.34776	22.55187	33.03578	30.67430	38.16123	34.16479	39.37332	40.69758
3756938.31	34.24012	36.64471	34.86188	35.49220	48.71691	49.89509	51.26302	63.57574	56.68288
3755938.31	36.75890	40.31915	44.66743	53.56208	62.43251	69.77196	76.29665	86.99887	85.89363
3754938.31	30.84215	41.36739	45.33619	53.83515	64.74378	82.79105	91.45346	94.33034	109.94949
3753938.31	25.66231	31.21809	39.90111	53.23106	64.78199	83.74406	88.80402	87.80392	88.58517
3752938.31	23.17353	26.59576	30.92739	36.54242	44.64500	57.12729	81.87025	87.58397	88.23018
3751938.31	21.35567	23.83855	27.12330	31.58755	36.83248	45.11660	63.64500	49.33053	83.17031
3750938.31	19.65397	21.89895	24.22982	27.29223	31.53208	44.85380	29.98236	40.07773	64.13474
3749938.31	18.34028	19.70468	22.27979	30.68245	34.04907	39.83741	41.28906	49.17069	39.51244
3748938.31	16.53412	18.05752	25.75175	20.09524	32.52634	29.83259	29.08508	28.59844	38.70016
3747938.31	15.32451	16.38088	20.57763	22.86001	22.03403	22.33405	22.17101	23.86289	35.62846
3746938.31	14.13425	15.13547	16.19817	16.87876	18.07779	18.77362	19.23993	28.03419	19.97690
3745938.31	13.29769	13.74477	14.40861	15.33194	16.23847	16.79204	25.61440	23.97387	17.16771
3744938.31	12.27151	12.62228	13.28818	14.11066	14.84326	15.47946	17.23643	15.59784	15.48654
3743938.31	11.56623	11.86246	12.31014	12.92914	16.93243	14.45226	14.08058	13.89073	14.17223
3742938.31	10.88385	11.05789	11.78616	12.21115	12.81558	12.56761	12.70000	12.86012	13.05531
3741938.31	10.32599	10.49648	11.11568	11.54004	12.43417	11.63755	11.84604	12.04193	12.26272

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , L0112183 ,
L0112184 , L0112185 , L0112186 , L0112187 , L0112188 , L0112189 , L0112190 , L0112191 ,
L0112192 , L0112193 , L0112194 , L0112195 , L0112196 , L0112197 , L0112198 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	16.45345	16.85601	14.98569	12.01685	9.90800	8.45724	9.11558	9.58977	8.53558
3766938.31	17.27305	15.78393	13.56508	13.14922	11.61940	11.21307	11.18754	10.04459	8.69337
3765938.31	17.66187	15.80814	17.03903	16.63780	13.92185	13.64939	11.33892	9.79301	9.46194
3764938.31	19.02379	19.18482	19.02005	17.88830	16.20941	13.49103	11.53185	10.78469	9.50976
3763938.31	20.10299	20.55204	21.75401	17.15399	17.18179	14.22616	12.07846	10.88223	10.84019
3762938.31	26.52688	25.44584	22.92554	20.41849	16.27799	14.05559	12.43802	12.20001	11.59064
3761938.31	23.18108	22.45070	19.08426	18.57043	16.21676	14.22541	13.83434	12.91975	12.19572
3760938.31	30.79805	23.36670	23.09922	19.01561	16.24638	16.99665	15.60509	13.76617	12.63826
3759938.31	38.81432	34.75081	29.31612	23.37632	20.60354	19.14503	16.74878	15.85360	13.87179
3758938.31	28.79161	29.65417	30.25125	25.12475	25.56461	21.54913	19.58591	16.23208	15.00269
3757938.31	30.71227	25.67988	24.07868	21.53478	19.96729	23.06570	17.60314	15.70084	14.11667
3756938.31	36.03349	28.78734	27.15726	23.65417	18.11693	20.11342	19.35101	15.07871	13.63695
3755938.31	60.22896	39.59692	31.15457	21.87403	21.11392	17.60937	17.83914	19.18465	17.82142
3754938.31	87.53429	64.82196	45.96271	34.80714	25.97135	26.83087	22.53850	18.44735	17.47930
3753938.31	85.89577	87.74693	67.30501	45.72116	40.58954	32.56312	31.24839	25.80208	18.91441
3752938.31	101.97408	88.35978	91.71024	79.67945	63.99480	47.11360	39.20577	31.73315	20.36737
3751938.31	60.29108	54.00344	59.46754	59.98740	52.97483	52.47533	42.98873	34.56660	24.87022
3750938.31	41.53343	39.38195	37.44299	37.99569	38.82396	43.47102	42.01838	39.65889	27.78961
3749938.31	32.02170	31.55372	30.06873	29.02702	29.45415	29.74998	28.57171	32.13934	29.89139
3748938.31	26.75008	25.96097	25.45039	24.62714	24.16204	23.63430	23.76279	32.61993	25.29266
3747938.31	22.45475	22.31569	22.14952	21.54992	20.99709	20.50551	19.97254	20.00005	26.55123
3746938.31	19.33720	20.35276	19.19292	19.03890	18.64298	18.52035	17.81030	17.55596	17.50872
3745938.31	17.16369	17.40807	17.19648	17.05934	16.89596	16.65804	16.53177	15.73362	15.75249
3744938.31	15.52890	15.68506	15.63513	15.26445	15.30685	15.14785	15.19264	14.96069	14.21821
3743938.31	14.34338	14.40152	14.39074	14.12409	14.31299	14.25555	13.87660	13.89759	13.71652
3742938.31	13.26022	13.36849	13.47756	13.59200	19.85841	14.29799	17.28194	12.97835	13.05815
3741938.31	12.37828	12.40448	12.89352	19.20444	17.07069	14.16742	13.49478	14.22085	12.22156

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** NO2 - LST ASSESSMENT (NO REFRIGERATION) *** 10:55:12
PAGE 90

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , L0112183 ,
L0112184 , L0112185 , L0112186 , L0112187 , L0112188 , L0112189 , L0112190 , L0112191 ,
L0112192 , L0112193 , L0112194 , L0112195 , L0112196 , L0112197 , L0112198 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	8.05259	7.51939	6.72368	5.98379	5.24973	4.14033	3.21648	2.07517	1.53598
3766938.31	8.47562	7.42802	6.51211	6.25047	4.98204	1.74645	1.82310	1.81843	1.90466
3765938.31	8.46737	7.47105	5.70130	5.97665	5.15765	2.55665	2.02516	2.09196	2.60809
3764938.31	9.57366	8.51602	7.46369	7.22754	5.47743	4.17574	3.93412	3.64658	2.84428
3763938.31	10.40865	9.83592	8.97560	8.12339	6.90068	5.33973	5.03661	5.08764	4.23567
3762938.31	10.88482	10.11721	8.86232	7.73384	7.10385	6.48112	5.72682	5.31543	4.95455
3761938.31	11.29524	10.24826	8.87132	6.14796	7.25764	6.44352	6.74119	6.44222	5.63555
3760938.31	11.83561	10.37322	9.14390	8.31669	7.78386	7.77634	7.29444	6.94615	6.12855
3759938.31	11.76680	10.50933	9.81153	9.26337	8.90588	8.32430	7.96201	7.08212	6.84908
3758938.31	12.87151	11.32667	10.09088	9.82434	9.41413	8.99121	8.57917	8.14346	7.33440
3757938.31	12.79383	11.83197	11.02753	10.29720	9.95113	9.25111	8.79832	8.89787	8.54057
3756938.31	13.06693	12.23943	11.76722	11.43370	11.17296	10.86986	10.35328	10.30297	10.21449
3755938.31	16.28846	15.04222	14.07522	12.89757	12.10953	11.55825	11.06077	10.63877	10.32352
3754938.31	16.02413	14.96593	13.41743	12.69602	11.96174	11.57191	11.04388	10.70239	10.56759
3753938.31	16.91011	15.78716	14.59406	13.27113	12.40392	11.67109	11.33606	10.94712	10.72541
3752938.31	19.49049	16.56376	15.14796	13.39502	12.94362	12.22792	11.85828	11.45554	10.99116
3751938.31	22.02775	20.22989	15.57384	14.05477	14.02958	12.58186	11.76420	12.14725	12.04244
3750938.31	25.62673	22.15497	16.21024	15.58101	15.04952	14.29767	13.76070	13.25652	11.74007
3749938.31	32.08706	28.01980	20.32294	16.18635	15.38701	13.43880	13.73282	13.28784	12.75740
3748938.31	28.28527	27.37033	22.68311	19.05085	17.14263	16.64002	14.21613	14.77955	13.32593
3747938.31	25.75108	27.49591	22.52156	20.49579	17.73447	14.40079	16.95017	16.74513	16.69239
3746938.31	17.34475	21.45118	20.17663	19.43079	19.51547	17.34224	17.54380	17.99577	16.43644
3745938.31	15.55890	15.87745	21.98723	21.99630	20.35702	20.99011	18.56807	14.75268	12.67862
3744938.31	14.26390	14.03331	14.19099	14.35696	12.34837	14.53964	14.34034	9.87291	10.19667
3743938.31	13.08281	13.01132	12.91854	12.96884	16.98607	11.42950	9.32146	9.49901	8.48056
3742938.31	12.67862	12.20631	12.09822	12.17160	12.22893	17.60319	11.93546	8.50551	7.68812
3741938.31	12.26563	11.95447	11.48824	11.36682	11.50816	11.35483	11.57469	14.47619	8.42720

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT) *** 12/02/12
*** NO2 - LST ASSESSMENT (NO REFRIGERATION) *** 10:55:12
PAGE 91

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , L0112183 ,
L0112184 , L0112185 , L0112186 , L0112187 , L0112188 , L0112189 , L0112190 , L0112191 ,
L0112192 , L0112193 , L0112194 , L0112195 , L0112196 , L0112197 , L0112198 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 437508.49	439508.49	441508.49	443508.49	445508.49	447508.49	449508.49	451508.49	453508.49
3767938.31	4.61455	4.80269	4.86257	5.03518	5.46070	5.59037	5.65412	5.96467	6.23030
3765938.31	4.43063	4.71497	4.96079	5.08220	5.22726	5.40783	5.64123	6.10398	6.07543
3763938.31	4.67875	4.65258	4.87365	4.98426	5.10757	5.44258	5.66160	5.88637	6.06415
3761938.31	4.83531	4.90249	5.13685	5.36112	5.51720	5.53039	5.65225	5.91543	6.01696

3759938.31	4.62261	4.93683	5.00557	5.26835	5.60923	5.74361	5.98286	6.21924	6.42094
3757938.31	4.43197	4.51634	4.72074	4.97488	5.30816	5.56025	5.71549	5.87562	6.39899
3755938.31	4.56960	4.63994	4.77383	4.84793	5.05084	5.22707	5.41445	5.77389	6.25428
3753938.31	4.44851	4.27874	4.41986	4.61540	4.80268	5.08743	5.31578	5.81972	6.02106
3751938.31	4.28665	4.39501	4.38371	4.56583	4.72004	4.96572	5.21388	5.59430	5.61704
3749938.31	4.04204	4.14955	4.33835	4.64855	4.83040	4.97081	5.35758	5.54302	5.75102
3747938.31	4.11061	4.61792	4.67000	4.86003	5.08321	5.16446	5.21104	5.41307	5.87795
3745938.31	5.12158	4.67654	5.64567	4.96898	4.68068	4.74637	4.88715	5.09618	5.80037
3743938.31	4.76276	4.34363	4.08792	5.11522	4.87449	4.90588	4.89940	5.11361	5.73288
3741938.31	4.89860	4.93526	3.38746	6.00974	6.13923	5.74786	5.29545	5.12295	5.51501

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , L0112183 ,
L0112184 , L0112185 , L0112186 , L0112187 , L0112188 , L0112189 , L0112190 , L0112191 ,
L0112192 , L0112193 , L0112194 , L0112195 , L0112196 , L0112197 , L0112198 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 455508.49	457508.49	459508.49
3767938.31	6.65737	6.98366	7.04224
3765938.31	6.60395	7.35258	10.10677
3763938.31	6.49104	6.97329	7.15057
3761938.31	6.33026	6.82168	7.74034
3759938.31	6.75857	6.93658	7.34547
3757938.31	6.65603	7.09010	7.60819
3755938.31	6.44328	6.57990	6.97844
3753938.31	6.16525	6.55252	6.90359
3751938.31	5.79884	6.13387	6.61759
3749938.31	6.15654	6.47370	7.01879
3747938.31	6.43985	6.51314	6.78257
3745938.31	5.87935	6.46729	7.01940
3743938.31	5.99693	6.54764	6.91306
3741938.31	6.32194	6.65056	6.83860

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , L0112183 ,
L0112184 , L0112185 , L0112186 , L0112187 , L0112188 , L0112189 , L0112190 , L0112191 ,
L0112192 , L0112193 , L0112194 , L0112195 , L0112196 , L0112197 , L0112198 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	81.89357	84.04960	85.08984	85.61241	86.29314	86.70903	87.26334	87.65347	88.56713
3754534.43	80.42303	83.22360	83.67395	85.22571	85.71508	86.56024	87.01152	87.81718	88.42877
3754434.43	79.63495	81.38094	83.00419	84.10146	85.55764	85.95220	86.53627	87.18713	87.93300
3754334.43	80.23011	81.75158	82.72240	83.73444	85.09544	85.75799	86.27267	86.94713	87.74806
3754234.43	81.31794	82.19086	83.12393	84.10081	85.17165	85.74842	86.26288	86.81084	87.39717
3754134.43	81.45427	83.06000	83.87735	84.85643	85.63381	85.98413	86.42343	86.84205	87.30741
3754034.43	81.95813	84.22387	85.13824	85.50237	85.76430	86.17303	86.27353	86.97080	87.34682
3753934.43	83.63848	85.18296	85.38499	85.72754	85.98654	86.33916	86.54903	87.18253	87.69843
3753834.43	85.04669	85.32519	85.51246	85.92758	86.22512	86.66206	87.04097	87.31959	87.37484
3753734.43	84.66432	85.29198	85.53025	85.91012	86.14620	86.28168	87.40885	87.58979	87.89477
3753634.43	82.16197	84.60464	82.88598	85.39834	85.86246	86.33262	86.87948	87.58047	88.08041
3753534.43	78.68848	78.48003	81.16154	85.15372	85.79038	85.87362	86.29286	86.23035	87.29196
3753434.43	72.25869	76.92731	80.75462	82.54690	85.11150	85.45014	85.36271	85.41024	86.07593
3753334.43	71.63697	74.47228	74.75157	77.33072	79.94347	84.19189	84.06784	84.38664	85.53374
3753234.43	65.97454	67.08401	70.02550	74.70258	74.70945	76.65618	80.75714	82.22759	84.82595
3753134.43	66.07603	66.41000	66.70628	67.16325	72.13594	74.88304	79.27115	78.18109	80.09598
3753034.43	61.66712	62.11850	65.65147	66.15379	69.29462	71.07219	74.39798	75.40022	77.92131
3752934.43	57.06764	58.80315	61.91902	62.44231	65.87327	67.28127	70.11345	72.99993	75.42887
3752834.43	56.33117	57.28495	59.37104	61.21006	62.73577	64.47899	67.02431	70.73571	72.52636
3752734.43	53.86149	55.49917	57.18476	58.97462	60.95483	63.50039	65.06335	67.72352	70.23529
3752634.43	53.13798	54.36535	56.14920	57.99578	59.54269	62.58320	64.22224	66.26330	68.62679
3752534.43	51.98929	53.34889	54.52810	56.63568	58.20743	60.02513	62.11837	64.16095	67.08793
3752434.43	50.89009	52.53309	53.61919	55.22598	57.05660	58.35538	60.72327	61.95029	65.21304
3752334.43	49.38219	50.85049	52.64978	54.03827	55.19655	56.63866	58.67577	60.69113	63.64645
3752234.43	48.33344	49.86691	51.27588	52.18789	53.64274	54.32060	57.12234	58.98171	61.75425
3752134.43	47.39258	48.54530	49.83824	50.94261	52.54563	53.93257	55.85081	58.08745	59.78982
3752034.43	46.41801	47.70693	48.20162	49.60531	51.45138	52.78588	54.48549	56.45851	57.69983
3751934.43	45.06867	46.21263	47.43457	48.72557	50.17289	51.48425	53.30249	54.13056	56.23858
3751834.43	44.04774	45.34543	46.72844	48.01407	48.89107	50.53155	51.21380	53.46513	57.76565
3751734.43	43.65883	44.90206	45.84318	46.69545	48.02298	48.75888	50.42837	52.73335	56.68588
3751634.43	43.06779	44.03605	44.88231	45.67012	47.56608	47.39310	50.25743	54.16056	57.73009
3751534.43	42.04724	43.23172	46.70328	47.69342	49.35563	49.10674	52.35570	56.15528	55.76258
3751434.43	42.04676	44.87094	47.49375	48.54565	49.23689	52.46768	54.74381	53.16480	44.76660
3751334.43	42.32802	44.69948	46.43240	48.36511	49.42596	51.92504	52.82475	44.45046	38.67935
3751234.43	43.15808	44.99502	46.66701	48.78734	50.53389	51.77922	49.16926	40.83708	35.99598
3751134.43	43.90690	44.37013	45.62936	49.48289	50.57972	49.93850	47.86877	41.24117	36.80392
3751034.43	43.35687	44.65886	48.14105	46.27246	48.35446	46.97883	42.59264	36.68310	33.29076
3750934.43	44.80664	46.14204	45.68553	43.65524	44.05748	43.29738	38.12602	33.06170	30.73260

**MODELOPTS: NonDFAULT CONC ELEV

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                    FASTALL                                                  OLM

   *** THE   8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                          INCLUDING SOURCE(S):     PHASE1      , L0112172    , L0112173    , L0112174    , L0112175    ,
              L0112176    , L0112177    , L0112178    , L0112179    , L0112180    , L0112181    , L0112182    , L0112183    ,
              L0112184    , L0112185    , L0112186    , L0112187    , L0112188    , L0112189    , L0112190    , L0112191    ,
              L0112192    , L0112193    , L0112194    , L0112195    , L0112196    , L0112197    , L0112198    ,  . . .      ,

                         *** NETWORK ID: UCART3   ;  NETWORK TYPE: GRIDCART ***

                              ** CONC OF NO2      IN MICROGRAMS/M**3                          **

   Y-COORD  |                                          X-COORD (METERS)
   (METERS) |     485451.71
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3754634.43 |      89.69480
 3754534.43 |      88.94800
 3754434.43 |      89.19200
 3754334.43 |      88.93922
 3754234.43 |      88.31485
 3754134.43 |      88.18771
 3754034.43 |      87.93210
 3753934.43 |      88.22192
 3753834.43 |      88.15228
 3753734.43 |      88.55632
 3753634.43 |      88.48322
 3753534.43 |      88.51771
 3753434.43 |      86.63067
 3753334.43 |      86.01383
 3753234.43 |      85.32157
 3753134.43 |      83.67382
 3753034.43 |      81.59670
 3752934.43 |      77.41538
 3752834.43 |      75.88330
 3752734.43 |      73.50832
 3752634.43 |      71.59320
 3752534.43 |      69.92027
 3752434.43 |      67.91831
 3752334.43 |      66.31766
 3752234.43 |      63.54998
 3752134.43 |      61.15224
 3752034.43 |      61.69283
 3751934.43 |      60.02545
 3751834.43 |      60.73074
 3751734.43 |      60.11664
 3751634.43 |      59.77402
 3751534.43 |      48.12428
 3751434.43 |      38.78961
 3751334.43 |      34.47123
 3751234.43 |      33.50738
 3751134.43 |      33.21027
 3751034.43 |      31.68229
 3750934.43 |      29.85809
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE  95
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                    FASTALL                                                  OLM

   *** THE   8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                          INCLUDING SOURCE(S):     PHASE1      , L0112172    , L0112173    , L0112174    , L0112175    ,
              L0112176    , L0112177    , L0112178    , L0112179    , L0112180    , L0112181    , L0112182    , L0112183    ,
              L0112184    , L0112185    , L0112186    , L0112187    , L0112188    , L0112189    , L0112190    , L0112191    ,
              L0112192    , L0112193    , L0112194    , L0112195    , L0112196    , L0112197    , L0112198    ,  . . .      ,

                         *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                              ** CONC OF NO2      IN MICROGRAMS/M**3                          **

   Y-COORD  |                                          X-COORD (METERS)
   (METERS) |     485549.47    485649.47    485749.47    485849.47
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3753434.90 |      87.20934     87.70742     88.74701     90.57091
 3753334.90 |      86.58501     87.41913     88.73379     91.08135
 3753234.90 |      85.73317     86.99858     87.60538     89.13852
 3753134.90 |      84.87691     85.72410     86.63971     87.93197
 3753034.90 |      83.79452     85.39216     86.05874     87.39016
 3752934.90 |      81.75000     84.60008     85.49629     86.77034
 3752834.90 |      79.82348     83.01365     85.27141     86.47261
 3752734.90 |      77.66592     81.50587     84.72001     86.21755
 3752634.90 |      75.23965     79.91038     84.24974     85.79934
 3752534.90 |      73.57811     77.68058     82.45020     85.05630
 3752434.90 |      71.66908     74.55708     78.77527     84.01721
 3752334.90 |      68.64167     71.87515     75.39075     83.78165
 3752234.90 |      65.85330     68.84384     72.09484     80.45341
 3752134.90 |      63.67273     67.99489     71.02679     73.63099
 3752034.90 |      64.91015     66.30163     67.63184     70.62052
 3751934.90 |      63.49309     64.24471     65.78995     66.45198
 3751834.90 |      62.06734     64.51599     65.06842     62.88397
 3751734.90 |      61.96915     62.16836     62.34178     47.54794
 3751634.90 |      60.16965     57.39508     50.84253     43.00051
 3751534.90 |      47.77052     45.02278     41.63909     41.33098
 3751434.90 |      36.98529     36.87451     35.66205     38.40068
 3751334.90 |      33.93720     33.77100     34.09085     35.99416
 3751234.90 |      32.90188     32.32302     32.99534     34.17495
 3751134.90 |      31.47290     31.66287     32.12670     33.15435
 3751034.90 |      30.49512     30.89627     31.51479     32.28919
 3750934.90 |      29.94576     30.07023     30.62089     31.23694
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                    *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE  96
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                    FASTALL                                                  OLM
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   *** THE   8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                              INCLUDING SOURCE(S):     PHASE1      , L0112172    , L0112173    , L0112174    , L0112175    ,
                L0112176    , L0112177    , L0112178    , L0112179    , L0112180    , L0112181    , L0112182    , L0112183    ,
                L0112184    , L0112185    , L0112186    , L0112187    , L0112188    , L0112189    , L0112190    , L0112191    ,
                L0112192    , L0112193    , L0112194    , L0112195    , L0112196    , L0112197    , L0112198    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                     ** CONC OF NO2      IN MICROGRAMS/M**3                          **

      X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)   Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        485619.40    3753969.72       89.39044                     485712.99    3753961.92       89.82039
        487190.85    3754410.34      154.19318                     487194.75    3754289.46      128.03775
        487268.83    3754090.60      106.68334                     487483.30    3754102.29       96.48358
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                   *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE  97
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL                                                 OLM

                                   *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER   3 YEARS ***

                                    ** CONC OF NO2      IN MICROGRAMS/M**3                          **

                                                                                                          NETWORK
GROUP ID                      AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS      60.59106 AT (  487190.85,  3754410.34,   509.37,   776.00,    0.00)  DC
          2ND HIGHEST VALUE IS      51.97674 AT (  487194.75,  3754289.46,   507.16,   777.00,    0.00)  DC
          3RD HIGHEST VALUE IS      44.85691 AT (  487268.83,  3754090.60,   503.10,   777.00,    0.00)  DC
          4TH HIGHEST VALUE IS      39.20334 AT (  487483.30,  3754102.29,   501.97,   777.00,    0.00)  DC
          5TH HIGHEST VALUE IS      36.84318 AT (  487553.03,  3753938.31,   496.40,   777.00,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      35.87041 AT (  488553.03,  3752938.31,   476.00,   811.00,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      31.39291 AT (  489553.03,  3752938.31,   484.00,   777.00,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      30.82336 AT (  488553.03,  3753938.31,   497.80,   777.00,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      30.24897 AT (  487553.03,  3752938.31,   479.60,   811.00,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS      29.46155 AT (  486553.03,  3753938.31,   503.00,   811.00,    0.00)  GC  UCART1


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                   *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE  98
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL                                                 OLM

                      *** THE SUMMARY OF MAXIMUM   1ST-HIGHEST MAX DAILY  1-HR RESULTS AVERAGED OVER   3 YEARS ***

                                    ** CONC OF NO2      IN MICROGRAMS/M**3                          **

                                                                                                          NETWORK
GROUP ID                      AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS     189.14546 AT (  487190.85,  3754410.34,   509.37,   776.00,    0.00)  DC
          2ND HIGHEST VALUE IS     146.88795 AT (  487194.75,  3754289.46,   507.16,   777.00,    0.00)  DC
          3RD HIGHEST VALUE IS     126.90610 AT (  487553.03,  3754938.31,   526.30,   528.00,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS     122.50174 AT (  487268.83,  3754090.60,   503.10,   777.00,    0.00)  DC
          5TH HIGHEST VALUE IS     114.54709 AT (  488553.03,  3752938.31,   476.00,   811.00,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS     106.27123 AT (  487483.30,  3754102.29,   501.97,   777.00,    0.00)  DC
          7TH HIGHEST VALUE IS     104.66159 AT (  486553.03,  3754938.31,   525.60,   525.60,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS     102.95299 AT (  485849.47,  3753434.90,   492.50,   811.00,    0.00)  GC  UCART4
          9TH HIGHEST VALUE IS     102.18818 AT (  490553.03,  3752938.31,   483.20,   575.00,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS     101.98245 AT (  485849.47,  3753334.90,   494.90,   811.00,    0.00)  GC  UCART4
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                   *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE  99
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL                                                 OLM

                      *** THE SUMMARY OF MAXIMUM   8TH-HIGHEST MAX DAILY  1-HR RESULTS AVERAGED OVER   3 YEARS ***

                                    ** CONC OF NO2      IN MICROGRAMS/M**3                          **

                                                                                                          NETWORK
GROUP ID                      AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS     154.19318 AT (  487190.85,  3754410.34,   509.37,   776.00,    0.00)  DC
          2ND HIGHEST VALUE IS     128.03775 AT (  487194.75,  3754289.46,   507.16,   777.00,    0.00)  DC
          3RD HIGHEST VALUE IS     109.94949 AT (  487553.03,  3754938.31,   526.30,   528.00,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS     106.68334 AT (  487268.83,  3754090.60,   503.10,   777.00,    0.00)  DC
          5TH HIGHEST VALUE IS     101.97408 AT (  488553.03,  3752938.31,   476.00,   811.00,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      96.48358 AT (  487483.30,  3754102.29,   501.97,   777.00,    0.00)  DC
          7TH HIGHEST VALUE IS      94.33034 AT (  486553.03,  3754938.31,   525.60,   525.60,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS      91.71024 AT (  490553.03,  3752938.31,   483.20,   575.00,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      91.45346 AT (  485553.03,  3754938.31,   527.60,   527.60,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS      91.08135 AT (  485849.47,  3753334.90,   494.90,   811.00,    0.00)  GC  UCART4


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012 (UNDER EXSTING AND PROJECT)    ***        12/02/12
                                   *** NO2 - LST ASSESSMENT (NO REFRIGERATION)                              ***        10:55:12
                                                                                                                        PAGE 100
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
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*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of           0 Fatal Error Message(s)
A Total of          38 Warning Message(s)
A Total of         117 Informational Message(s)

A Total of       26280 Hours Were Processed

A Total of           0 Calm Hours Identified

A Total of         117 Missing Hours Identified (  0.45 Percent)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
CO W361      31 COCARD:Multiyear PERIOD/ANNUAL values for NO2/SO2 require MULTYEAR Opt
SO W320    1370  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1371  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1372  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1373  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1374  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1375  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1376  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1377  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1378  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1379  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1380  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1381  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1382  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1383  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1384  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1385  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1386  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1387  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1388  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1389  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1390  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1391  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1392  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1393  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1394  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1395  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1396  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1397  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1398  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1399  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1400  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1401  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1402  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1403  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1404  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1405  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
ME W530    1992 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

   ************************************
   *** AERMOD Finishes Successfully ***
   ************************************
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World Logistics Center

2012 Phase 1 Build out in 2012
PM10 Emissions

Emission Assumptions

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for PM10 emissions
c) Emissions calculated for 2012

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr):	24
Facility operations for All Others (hr):	24

World Logistics Center

2012 **Phase 1** **Build out in 2012**

Vehicle Running Exhaust Emissions **Pollutant** **PM10**

Travel to Building	**AERMOD Source ID**	**Diesel Vehicles (g/sec)**	**Non-Diesel Vehicles (g/sec)**	**Total (g/sec)**
High Cube	Phase 1	2.42E-02	1.03E-02	3.45E-02
Light Logistics	Phase 1	2.21E-04	1.10E-04	3.31E-04
Gas Compressor	Phase 1	6.55E-05	3.85E-05	1.04E-04
Fueling Station	Phase 1	9.19E-05	9.20E-06	1.01E-04
Total		2.46E-02	1.05E-02	3.51E-02

Vehicle Idling Emission Sources **Pollutant** **PM10**

Building	**AERMOD Source IDs**	**Diesel Vehicles Emissions (g/sec)**	**Non-Diesel Emissions (g/sec)**	**Total Emissions (g/sec)**
High Cube	Phase 1	6.62E-03	4.31E-05	6.66E-03
Light Logistics	Phase 1	1.17E-04	1.02E-06	1.18E-04
GasCompressor	Phase 1	3.49E-05	5.26E-07	3.54E-05
Fueling Station	Phase 1	2.30E-04	7.30E-07	2.30E-04
Total		7.00E-03	4.54E-05	7.04E-03

Total Onsite Emission

Runing Exhaust	3.51E-02	
Idling Emissions	7.04E-03	
Total	4.21E-02	g/sec
Size of Area Source	4600443	m2
Area Emission Rate	**9.15E-09**	**g/m2-sec**
Weighted Emission Ht (m)	3.36E+00	

World Logistics Center **2012** **Phase 1**

Vehicle Fleet Mix

	Building Size (sq-ft)	
High Cube Warehouse	21250000	
Light Logistics	200000	
Compression Station	30825	
Fueling Station/Convenience Store	3000	6 pumps
	21,483,825	

Trip Generation

	trips/day (Non-PCE)	Source
High Cube Warehouse	35700	<---- PB 2012 (100512)
Light Logistics	712	
Compression Station	247	
Fueling Station/Convenience Store	464	
Total	37123	

Vehicle Fleet for High Cube Warehouse

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	79.6%	53.23%	0.27%	41	15085	15126
LDT1		7.93%	0.11%	2	2250	2252
LDT2		19.54%	0.04%	2	5550	5552
MDT		19.30%	0.08%	5	5481	5486
SubTotal		100.0%		50	28367	28417
LHDT1 (2 axle truck)	3.5%	85.42%	37.31%	398	669	1067
LHDT2		14.58%	69.81%	127	55	182
Subtotal		100.0%		525	724	1250
MHDT (3 axle truck)	4.6%	100.0%	86.27%	1417	225	1642
HHDT (4+ axle truck)	12.3%	100.0%	98.96%	4345	46	4391
Total	100.0%			6338	29362	35700

Vehicle Fleet for Light Logistics

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	80.3%	53.23%	0.27%	1	304	304
LDT1		7.93%	0.11%	0	45	45
LDT2		19.54%	0.04%	0	112	112
MDT		19.30%	0.08%	0	110	110
SubTotal		100.0%		1	571	572
LHDT1 (2 axle truck)	5.2%	85.42%	37.31%	12	20	32
LHDT2		14.58%	69.81%	4	2	5
Subtotal		100.0%		16	21	37
MHDT (3 axle truck)	4.5%	100.0%	86.27%	28	4	32
HHDT (4+ axle truck)	10.0%	100.0%	98.96%	70	1	71
Total	100.0%			115	597	712

Vehicle Fleet for Gas Compression

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	77.2%	53.23%	0.27%	0	101	101
LDT1		7.93%	0.11%	0	15	15
LDT2		19.54%	0.04%	0	37	37
MDT		19.30%	0.08%	0	37	37
SubTotal		100.0%		0	190	190
LHDT1 (2 axle truck)	11.4%	85.42%	37.31%	9	15	24
LHDT2		14.58%	69.81%	3	1	4
Subtotal		100.0%		12	16	28
MHDT (3 axle truck)	2.6%	100.0%	86.27%	6	1	6
HHDT (4+ axle truck)	8.8%	100.0%	98.96%	21	0	22
Total	100.0%			39	207	247

Vehicle Fleet for Fueling Station/Convenience Store

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	51.4%	53.23%	0.27%	0	127	127
LDT1		7.93%	0.11%	0	19	19
LDT2		19.54%	0.04%	0	47	47
MDT		19.30%	0.08%	0	46	46
SubTotal		100.0%		0	238	238
LHDT1 (2 axle truck)	1.7%	85.42%	37.31%	3	4	7
LHDT2		14.58%	69.81%	1	0	1
Subtotal		100.0%		3	5	8
MHDT (3 axle truck)	7.8%	100.0%	86.27%	31	5	36
HHDT (4+ axle truck)	39.1%	100.0%	98.96%	180	2	181
Total	100.0%			214	250	464

Vehicle Summary (High Cube + Light Logistics + Gas Compressor + Fueling Station/Convenience Store)

Vehicle Class	Daily Diesel Trips	Daily Non Diesel Trips	Total Daily Trips
LDA	43	15617	15659
LDT1	2	2329	2332
LDT2	3	5745	5748
MDT	5	5674	5679
LHDT1	422	708	1130
LHDT2	135	58	193
MHDT	1481	236	1717
HHDT	4617	49	4665
Total	6706	30416	37123

Trip Generation from PB 2012 Traffic Study
Vehicle Fleet Mix taken from EMFAC2011 for the SCAQMD in **2012** and the PB 2012 Traffic Study
% Diesel taken from EMAC2011 for the SCAQMD in **2012**

World Logistics Center 2012 Phase 1 Build out in 2012
Diesel Vehicle Emissions PM10

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 24 **hrs/day, 52weeks/year**

Onsite Running Exhaust Emissions **PM10 Emissions**

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	LDA	15	0.128	41	950	0.59	3.11E+00	6.86E-03	3.60E-05	
	LDT1	15	0.232	2	950	0.59	3.27E-01	7.21E-04	3.79E-06	
	LDT2	15	0.209	2	950	0.59	3.01E-01	6.64E-04	3.49E-06	
	MDT	15	0.132	5	950	0.59	3.51E-01	7.74E-04	4.06E-06	
	LHDT1	15	0.161	398	950	0.59	3.79E+01	8.36E-02	4.39E-04	
	LHDT2	15	0.171	127	950	0.59	1.28E+01	2.82E-02	1.48E-04	
	MHDT	15	0.568	1417	950	0.59	4.75E+02	1.05E+00	5.49E-03	
	HHDT	15	0.610	4345	950	0.59	1.56E+03	3.45E+00	1.81E-02	
				6338			2.09E+03	4.61E+00	2.42E-02	2.42E-02
Travel at Light Logistics	LDA	15	0.128	1	500	0.31	3.30E-02	7.26E-05	3.82E-07	
	LDT1	15	0.232	0	500	0.31	3.46E-03	7.63E-06	4.01E-08	
	LDT2	15	0.209	0	500	0.31	3.19E-03	7.03E-06	3.69E-08	
	MDT	15	0.132	0	500	0.31	3.72E-03	8.19E-06	4.30E-08	
	LHDT1	15	0.161	12	500	0.31	5.92E-01	1.30E-03	6.85E-06	
	LHDT2	15	0.171	4	500	0.31	2.00E-01	4.40E-04	2.31E-06	
	MHDT	15	0.568	28	500	0.31	4.87E+00	1.07E-02	5.64E-05	
	HHDT	15	0.610	70	500	0.31	1.33E+01	2.94E-02	1.55E-04	
				115			1.91E+01	4.20E-02	2.21E-04	2.21E-04
Travel at Gas Compressor	LDA	15	0.128	0	500	0.31	1.10E-02	2.42E-05	1.27E-07	
	LDT1	15	0.232	0	500	0.31	1.15E-03	2.54E-06	1.34E-08	
	LDT2	15	0.209	0	500	0.31	1.06E-03	2.34E-06	1.23E-08	
	MDT	15	0.132	0	500	0.31	1.24E-03	2.73E-06	1.43E-08	
	LHDT1	15	0.161	9	500	0.31	4.49E-01	9.89E-04	5.20E-06	
	LHDT2	15	0.171	3	500	0.31	1.52E-01	3.34E-04	1.76E-06	
	MHDT	15	0.568	6	500	0.31	9.75E-01	2.15E-03	1.13E-05	
	HHDT	15	0.610	21	500	0.31	4.07E+00	8.96E-03	4.71E-05	
							5.66E+00	1.25E-02	6.55E-05	6.55E-05
Travel at Refueling Station	LDA	15	0.128	0	100	0.06	2.75E-03	6.06E-06	3.18E-08	
	LDT1	15	0.232	0	100	0.06	2.89E-04	6.37E-07	3.35E-09	
	LDT2	15	0.209	0	100	0.06	2.66E-04	5.87E-07	3.08E-09	
	MDT	15	0.132	0	100	0.06	3.10E-04	6.83E-07	3.59E-09	
	LHDT1	15	0.161	3	100	0.06	2.52E-02	5.55E-05	2.92E-07	
	LHDT2	15	0.171	1	100	0.06	8.51E-03	1.87E-05	9.85E-08	
	MHDT	15	0.568	31	100	0.06	1.10E+00	2.42E-03	1.27E-05	
	HHDT	15	0.610	180	100	0.06	6.80E+00	1.50E-02	7.87E-05	
				214						9.19E-05
Total - All Buildings	LDA			43			3.16E+00	6.96E-03	3.66E-05	
	LDT1			2			3.32E-01	7.31E-04	3.84E-06	
	LDT2			3			3.06E-01	6.74E-04	3.54E-06	
	MDT			5			3.56E-01	7.85E-04	4.13E-06	
	LHDT1			422			3.90E+01	8.59E-02	4.51E-04	
	LHDT2			135			1.32E+01	2.90E-02	1.52E-04	
	MHDT			1481			4.82E+02	1.06E+00	5.57E-03	
	HHDT			4617			1.59E+03	3.50E+00	1.84E-02	
	Total			6706			2.13E+03	4.68E+00	2.46E-02	2.46E-02

Diesel truck Idling Emissions **PM10 Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Peak Hour Emissions (g/day)	Peak Hour Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	**LHDT1**	0.306	15	199	1.52E+01	3.36E-02	1.76E-04	
	LHDT2	0.303	15	64	4.82E+00	1.06E-02	5.58E-05	
	MHDT	0.904	15	708	1.60E+02	3.53E-01	1.85E-03	
	HHDT	0.721	15	2173	3.92E+02	8.63E-01	4.53E-03	
				3144	5.72E+02	1.26E+00	6.62E-03	6.62E-03
Idle at Light Logistics	**LHDT1**	0.306	15	6	4.52E-01	9.95E-04	5.23E-06	
	LHDT2	0.303	15	2	1.43E-01	3.14E-04	1.65E-06	
	MHDT	0.904	15	14	3.12E+00	6.88E-03	3.62E-05	
	HHDT	0.721	15	35	6.35E+00	1.40E-02	7.35E-05	
				57	1.01E+01	2.22E-02	1.17E-04	1.17E-04
Idle at Gas Compressor	**LHDT1**	0.306	15	4	3.43E-01	7.55E-04	3.97E-06	
	LHDT2	0.303	15	1	1.08E-01	2.39E-04	1.25E-06	
	MHDT	0.904	15	3	6.25E-01	1.38E-03	7.23E-06	
	HHDT	0.721	15	11	1.94E+00	4.26E-03	2.24E-05	
				19	3.01E+00	6.63E-03	3.49E-05	3.49E-05
Idle at Fueling Station	**LHDT1**	0.306	15	1	9.62E-02	2.12E-04	1.11E-06	
	LHDT2	0.303	15	0	3.04E-02	6.70E-05	3.52E-07	
	MHDT	0.904	15	16	3.53E+00	7.77E-03	4.08E-05	
	HHDT	0.721	15	90	1.62E+01	3.56E-02	1.87E-04	
				107	1.98E+01	4.37E-02	2.30E-04	2.30E-04
TOTAL				3327	6.05E+02	1.33E+00	7.00E-03	7.00E-03

World Logistics Center 2012 Phase 1 Build out in 2012
Non-Diesel Vehicle Emissions PM10

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 24 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions PM10 Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	0.051	15085	950	0.59	4.50E+02	9.90E-01	5.20E-03	
	LDT1	15	0.058	2250	950	0.59	7.70E+01	1.70E-01	8.91E-04	
	LDT2	15	0.051	5550	950	0.59	1.66E+02	3.66E-01	1.92E-03	
	MDT	15	0.051	5481	950	0.59	1.64E+02	3.62E-01	1.90E-03	
	LHDT1	15	0.058	669	950	0.59	2.29E+01	5.04E-02	2.65E-04	
	LHDT2	15	0.050	55	950	0.59	1.63E+00	3.59E-03	1.89E-05	
	MHDT	15	0.052	225	950	0.59	6.89E+00	1.52E-02	7.98E-05	
	HHDT	15	0.049	46	950	0.59	1.32E+00	2.90E-03	1.52E-05	
				29362			8.90E+02	1.96E+00	1.03E-02	1.03E-02
Travel at Light Logistics	LDA	15	0.051	304	500	0.31	4.76E+00	1.05E-02	5.51E-05	
	LDT1	15	0.058	45	500	0.31	8.16E-01	1.80E-03	9.44E-06	
	LDT2	15	0.051	112	500	0.31	1.76E+00	3.87E-03	2.04E-05	
	MDT	15	0.051	110	500	0.31	1.74E+00	3.83E-03	2.01E-05	
	LHDT1	15	0.058	20	500	0.31	3.57E-01	7.87E-04	4.13E-06	
	LHDT2	15	0.050	2	500	0.31	2.54E-02	5.60E-05	2.94E-07	
	MHDT	15	0.052	4	500	0.31	7.08E-02	1.56E-04	8.19E-07	
	HHDT	15	0.049	1	500	0.31	1.12E-02	2.47E-05	1.30E-07	
				597			9.54E+00	2.10E-02	1.10E-04	1.10E-04
Travel at Gas Compressor	LDA	15	0.051	101	500	0.31	1.59E+00	3.49E-03	1.83E-05	
	LDT1	15	0.058	15	500	0.31	2.72E-01	5.98E-04	3.14E-06	
	LDT2	15	0.051	37	500	0.31	5.86E-01	1.29E-03	6.78E-06	
	MDT	15	0.051	37	500	0.31	5.79E-01	1.28E-03	6.71E-06	
	LHDT1	15	0.058	15	500	0.31	2.71E-01	5.97E-04	3.14E-06	
	LHDT2	15	0.050	1	500	0.31	1.93E-02	4.25E-05	2.23E-07	
	MHDT	15	0.052	1	500	0.31	1.42E-02	3.12E-05	1.64E-07	
	HHDT	15	0.049	0	500	0.31	3.42E-03	7.54E-06	3.96E-08	
				207			3.33E+00	7.33E-03	3.85E-05	3.85E-05
Travel at Fueling Station	LDA	15	0.051	127	100	0.06	3.97E-01	8.75E-04	4.60E-06	
	LDT1	15	0.058	19	100	0.06	6.80E-02	1.50E-04	7.88E-07	
	LDT2	15	0.051	47	100	0.06	1.47E-01	3.23E-04	1.70E-06	
	MDT	15	0.051	46	100	0.06	1.45E-01	3.20E-04	1.68E-06	
	LHDT1	15	0.058	4	100	0.06	1.52E-02	3.35E-05	1.76E-07	
	LHDT2	15	0.050	0	100	0.06	1.08E-03	2.38E-06	1.25E-08	
	MHDT	15	0.052	5	100	0.06	1.60E-02	3.52E-05	1.85E-07	
	HHDT	15	0.049	2	100	0.06	5.72E-03	1.26E-05	6.62E-08	
				250			7.95E-01	1.75E-03	9.20E-06	9.20E-06
Total - All Buildings	LDA			15617			4.56E+02	1.01E+00	5.28E-03	
	LDT1			2329			7.82E+01	1.72E-01	9.05E-04	
	LDT2			5745			1.69E+02	3.71E-01	1.95E-03	
	MDT			5674			1.67E+02	3.67E-01	1.93E-03	
	LHDT1			708			2.35E+01	5.19E-02	2.73E-04	
	LHDT2			58			1.67E+00	3.69E-03	1.94E-05	
	MHDT			236			6.99E+00	1.54E-02	8.10E-05	
	HHDT			49			1.34E+00	2.94E-03	1.55E-05	
				30416			9.03E+02	1.99E+00	1.05E-02	1.05E-02

Non-Diesel truck Idling Emissions **PM10 Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Peak Hour Emissions (g/day)	Peak Hour Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	**LHDT1**	0.019	15	335	1.55E+00	3.41E-03	1.79E-05	
	LHDT2	0.013	15	27	9.20E-02	2.03E-04	1.06E-06	
	MHDT	0.061	15	113	1.73E+00	3.81E-03	2.00E-05	
	HHDT	0.061	15	23	3.52E-01	7.76E-04	4.08E-06	
				498	3.73E+00	8.21E-03	4.31E-05	4.31E-05
Idle at Light Logistics	**LHDT1**	0.02	15	10	4.59E-02	1.01E-04	5.31E-07	
	LHDT2	0.01	15	1	2.73E-03	6.00E-06	3.16E-08	
	MHDT	0.06	15	2	3.38E-02	7.44E-05	3.91E-07	
	HHDT	0.06	15	0	5.71E-03	1.26E-05	6.61E-08	
				13	8.81E-02	1.94E-04	1.02E-06	1.02E-06
Idle at Gas Compressor	**LHDT1**	0.02	15	8	3.49E-02	7.68E-05	4.03E-07	
	LHDT2	0.01	15	1	2.07E-03	4.56E-06	2.40E-08	
	MHDT	0.06	15	0	6.76E-03	1.49E-05	7.83E-08	
	HHDT	0.06	15	0	1.74E-03	3.83E-06	2.02E-08	
				9	4.54E-02	1.00E-04	5.26E-07	5.26E-07
Idle at Fueling Station	**LHDT1**	0.019	15	2	9.78E-03	2.15E-05	1.13E-07	
	LHDT2	0.013	15	0	5.81E-04	1.28E-06	6.72E-09	
	MHDT	0.061	15	2	3.82E-02	8.41E-05	4.42E-07	
	HHDT	0.061	15	1	1.46E-02	3.21E-05	1.68E-07	
				6	6.31E-02	1.39E-04	7.30E-07	7.30E-07
TOTAL				525	3.92E+00	8.64E-03	4.54E-05	4.54E-05

World Logistics Center **2012** **Phase 2** Assumes MY2010 for Diesel MHDT and HHDT
PM10 Emissions

Emission Assumptions

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for PM10 emissions
c) Emissions calculated for 2012

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr): 24
Facility operations for All Others (hr): 24

World Logistics Center

2012 **Phase 2** **Build out in 2012**

Vehicle Running Exhaust Emissions **Pollutant** **PM10**

Travel to Building	**AERMOD Source ID**	**Diesel Vehicles (g/sec)**	**Non-Diesel Vehicles (g/sec)**	**Total (g/sec)**
High Cube	Phase 2	2.30E-02	9.76E-03	3.27E-02
Light Logistics	Phase 2	0.00E+00	0.00E+00	0.00E+00
Gas Compressor	Phase 2	0.00E+00	0.00E+00	0.00E+00
Fueling Station	Phase 2	2.18E-05	2.18E-06	2.40E-05
Total		2.30E-02	9.77E-03	3.28E-02

Vehicle Idling Emission Sources **Pollutant** **PM10**

Building	**AERMOD Source IDs**	**Diesel Vehicles Emissions (g/sec)**	**Non-Diesel Emissions (g/sec)**	**Total Emissions (g/sec)**
High Cube	Phase 2	6.28E-03	4.09E-05	6.32E-03
Light Logistics	Phase 2	0.00E+00	0.00E+00	0.00E+00
GasCompressor	Phase 2	0.00E+00	0.00E+00	0.00E+00
Fueling Station	Phase 2	5.44E-05	1.73E-07	5.46E-05
Total		6.33E-03	4.11E-05	6.37E-03

Total Onsite Emission

Runing Exhaust	3.28E-02	
Idling Emissions	6.37E-03	
Total	3.91E-02	g/sec
Size of Area Source	4565134	m2
Area Emission Rate	**8.57E-09**	**g/m2-sec**
Weighted Emission Height (m)	3.36E+00	

World Logistics Center **2012** **Phase 2**

Vehicle Fleet Mix

	Building Size (sq-ft)
High Cube Warehouse	20150000
Light Logistics	0
Compression Station	0
Fueling Station/Convenience Store	0
	20,150,000

Trip Generation

	trips/day (Non-PCE)	Source
High Cube Warehouse	33852	<--- PB 2012 (100512)
Light Logistics	0	
Compression Station	0	
Fueling Station/Convenience Store	110	
Total	33962	

Vehicle Fleet for High Cube Warehouse

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	79.6%	53.23%	0.27%	39	14304	14343
LDT1		7.93%	0.11%	2	2134	2136
LDT2		19.54%	0.04%	2	5263	5265
MDT		19.30%	0.08%	4	5198	5202
SubTotal		100.0%		48	26898	26946
LHDT1 (2 axle truck)	3.5%	85.42%	37.31%	378	634	1012
LHDT2		14.58%	69.81%	121	52	173
Subtota;		100.0%		498	687	1185
MHDT (3 axle truck)	4.6%	100.0%	86.27%	1343	214	1557
HHDT (4+ axle truck)	12.3%	100.0%	98.96%	4120	44	4164
Total	100.0%			6010	27842	33852

Vehicle Fleet for Light Logistics

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	80.3%	53.23%	0.27%	0	0	0
LDT1		7.93%	0.11%	0	0	0
LDT2		19.54%	0.04%	0	0	0
MDT		19.30%	0.08%	0	0	0
SubTotal		100.0%		0	0	0
LHDT1 (2 axle truck)	5.2%	85.42%	37.31%	0	0	0
LHDT2		14.58%	69.81%	0	0	0
Subtota;		100.0%		0	0	0
MHDT (3 axle truck)	4.5%	100.0%	86.27%	0	0	0
HHDT (4+ axle truck)	10.0%	100.0%	98.96%	0	0	0
Total	100.0%			0	0	0

Vehicle Fleet for Gas Compression

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	77.2%	53.23%	0.27%	0	0	0
LDT1		7.93%	0.11%	0	0	0
LDT2		19.54%	0.04%	0	0	0
MDT		19.30%	0.08%	0	0	0
SubTotal		100.0%		0	0	0
LHDT1 (2 axle truck)	11.4%	85.42%	37.31%	0	0	0
LHDT2		14.58%	69.81%	0	0	0
Subtota;		100.0%		0	0	0
MHDT (3 axle truck)	2.6%	100.0%	86.27%	0	0	0
HHDT (4+ axle truck)	8.8%	100.0%	98.96%	0	0	0
Total	100.0%			0	0	0

Vehicle Fleet for Fueling Station/ConvenienceStore

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	51.4%	53.23%	0.27%	0	30	30
LDT1		7.93%	0.11%	0	4	4
LDT2		19.54%	0.04%	0	11	11
MDT		19.30%	0.08%	0	11	11
SubTotal		100.0%		0	56	57
LHDT1 (2 axle truck)	1.7%	85.42%	37.31%	1	1	2
LHDT2		14.58%	69.81%	0	0	0
Subtota;		100.0%		1	1	2
MHDT (3 axle truck)	7.8%	100.0%	86.27%	7	1	9
HHDT (4+ axle truck)	39.1%	100.0%	98.96%	43	0	43
Total	100.0%			51	59	110

Vehicle Summary (High Cube + Light Logistics + Gas Compressor + Fueling Station/Convenience Store)

Vehicle Class	Daily Diesel Trips	Daily Non Diesel Trips	Total Daily Trips
LDA	39	14335	14374
LDT1	2	2138	2140
LDT2	2	5274	5276
MDT	4	5209	5213
LHDT1	378	635	1014
LHDT2	121	52	173
MHDT	1351	215	1566
HHDT	4163	44	4207
Total	6061	27901	33962

Trip Generation from PB 2012 Traffic Study
Vehicle Fleet Mix taken from EMFAC2011 for the SCAQMD in **2012** and the PB 2012 Traffic Study
% Diesel taken from EMAC2011 for the SCAQMD in **2012**

World Logistics Center 2012 Phase 2 Build out in 2012
Diesel Vehicle Emissions PM10

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 24 **hrs/day, 52weeks/year**

Onsite Running Exhaust Emissions PM10 Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	LDA	15	0.128	39	950	0.59	2.95E+00	6.50E-03	3.42E-05	
	LDT1	15	0.232	2	950	0.59	3.10E-01	6.83E-04	3.59E-06	
	LDT2	15	0.209	2	950	0.59	2.86E-01	6.30E-04	3.31E-06	
	MDT	15	0.132	4	950	0.59	3.33E-01	7.34E-04	3.85E-06	
	LHDT1	15	0.161	378	950	0.59	3.60E+01	7.92E-02	4.16E-04	
	LHDT2	15	0.171	121	950	0.59	1.21E+01	2.67E-02	1.41E-04	
	MHDT	15	0.568	1343	950	0.59	4.50E+02	9.91E-01	5.21E-03	
	HHDT	15	0.610	4120	950	0.59	1.48E+03	3.27E+00	1.72E-02	
				6010			1.99E+03	4.37E+00	2.30E-02	2.30E-02
Travel at Light Logistics	LDA	15	0.128	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.232	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.209	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.132	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.161	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.171	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.568	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	0.610	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Gas Compressor	LDA	15	0.128	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.232	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.209	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.132	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.161	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.171	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.568	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	0.610	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
							0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Refueling Station	LDA	15	0.128	0	100	0.06	6.52E-04	1.44E-06	7.55E-09	
	LDT1	15	0.232	0	100	0.06	6.85E-05	1.51E-07	7.93E-10	
	LDT2	15	0.209	0	100	0.06	6.31E-05	1.39E-07	7.31E-10	
	MDT	15	0.132	0	100	0.06	7.36E-05	1.62E-07	8.51E-10	
	LHDT1	15	0.161	1	100	0.06	5.98E-03	1.32E-05	6.92E-08	
	LHDT2	15	0.171	0	100	0.06	2.02E-03	4.44E-06	2.34E-08	
	MHDT	15	0.568	7	100	0.06	2.61E-01	5.75E-04	3.02E-06	
	HHDT	15	0.610	43	100	0.06	1.61E+00	3.55E-03	1.87E-05	
				51						2.18E-05
Total - All Buildings	LDA			39			2.95E+00	6.51E-03	3.42E-05	
	LDT1			2			3.10E-01	6.83E-04	3.59E-06	
	LDT2			2			2.86E-01	6.30E-04	3.31E-06	
	MDT			4			3.33E-01	7.34E-04	3.86E-06	
	LHDT1			378			3.60E+01	7.92E-02	4.16E-04	
	LHDT2			121			1.21E+01	2.68E-02	1.41E-04	
	MHDT			1351			4.50E+02	9.92E-01	5.21E-03	
	HHDT			4163			1.48E+03	3.27E+00	1.72E-02	
	Total			6061			1.99E+03	4.38E+00	2.30E-02	2.30E-02

Diesel truck Idling Emissions **PM10 Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Peak Hour Emissions (g/day)	Peak Hour Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	**LHDT1**	0.306	15	189	1.45E+01	3.18E-02	1.67E-04	
	LHDT2	0.303	15	60	4.57E+00	1.01E-02	5.29E-05	
	MHDT	0.904	15	672	1.52E+02	3.34E-01	1.76E-03	
	HHDT	0.721	15	2060	3.71E+02	8.18E-01	4.30E-03	
				2981	5.42E+02	1.19E+00	6.28E-03	6.28E-03
Idle at Light Logistics	**LHDT1**	0.306	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	0.303	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	0.904	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.721	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Gas Compressor	**LHDT1**	0.306	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	0.303	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	0.904	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.721	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Fueling Station	**LHDT1**	0.306	15	0	2.28E-02	5.02E-05	2.64E-07	
	LHDT2	0.303	15	0	7.21E-03	1.59E-05	8.35E-08	
	MHDT	0.904	15	4	8.36E-01	1.84E-03	9.68E-06	
	HHDT	0.721	15	21	3.84E+00	8.45E-03	4.44E-05	
				25	4.70E+00	1.04E-02	5.44E-05	5.44E-05
TOTAL				3006	5.47E+02	1.20E+00	6.33E-03	6.33E-03

World Logistics Center 2012 Phase 2 Build out in 2012
Non-Diesel Vehicle Emissions PM10

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 24 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions PM10 Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	0.051	14304	950	0.59	4.26E+02	9.39E-01	4.93E-03	
	LDT1	15	0.058	2134	950	0.59	7.30E+01	1.61E-01	8.45E-04	
	LDT2	15	0.051	5263	950	0.59	1.57E+02	3.47E-01	1.82E-03	
	MDT	15	0.051	5198	950	0.59	1.56E+02	3.43E-01	1.80E-03	
	LHDT1	15	0.058	634	950	0.59	2.17E+01	4.78E-02	2.51E-04	
	LHDT2	15	0.050	52	950	0.59	1.54E+00	3.40E-03	1.79E-05	
	MHDT	15	0.052	214	950	0.59	6.54E+00	1.44E-02	7.57E-05	
	HHDT	15	0.049	44	950	0.59	1.25E+00	2.75E-03	1.44E-05	
				27842			8.44E+02	1.86E+00	9.76E-03	9.76E-03
Travel at Light Logistics	LDA	15	0.051	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.058	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.051	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.051	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.058	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.050	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.052	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	0.049	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Gas Compressor	LDA	15	0.051	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.058	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.051	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.051	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.058	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.050	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.052	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	0.049	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Fueling Station	LDA	15	0.051	30	100	0.06	9.42E-02	2.07E-04	1.09E-06	
	LDT1	15	0.058	4	100	0.06	1.61E-02	3.55E-05	1.87E-07	
	LDT2	15	0.051	11	100	0.06	3.48E-02	7.66E-05	4.03E-07	
	MDT	15	0.051	11	100	0.06	3.44E-02	7.58E-05	3.98E-07	
	LHDT1	15	0.058	1	100	0.06	3.61E-03	7.95E-06	4.18E-08	
	LHDT2	15	0.050	0	100	0.06	2.57E-04	5.65E-07	2.97E-09	
	MHDT	15	0.052	1	100	0.06	3.79E-03	8.35E-06	4.39E-08	
	HHDT	15	0.049	0	100	0.06	1.36E-03	2.99E-06	1.57E-08	
				59			1.88E-01	4.15E-04	2.18E-06	2.18E-06
Total - All Buildings	LDA			14335			4.26E+02	9.39E-01	4.94E-03	
	LDT1			2138			7.30E+01	1.61E-01	8.45E-04	
	LDT2			5274			1.57E+02	3.47E-01	1.82E-03	
	MDT			5209			1.56E+02	3.43E-01	1.80E-03	
	LHDT1			635			2.17E+01	4.78E-02	2.51E-04	
	LHDT2			52			1.55E+00	3.40E-03	1.79E-05	
	MHDT			215			6.54E+00	1.44E-02	7.57E-05	
	HHDT			44			1.25E+00	2.75E-03	1.45E-05	
				27901			8.44E+02	1.86E+00	9.77E-03	9.77E-03

Non-Diesel truck Idling Emissions **PM10 Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Peak Hour Emissions (g/day)	Peak Hour Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	**LHDT1**	0.019	15	317	1.47E+00	3.24E-03	1.70E-05	
	LHDT2	0.013	15	26	8.72E-02	1.92E-04	1.01E-06	
	MHDT	0.061	15	107	1.64E+00	3.62E-03	1.90E-05	
	HHDT	0.061	15	22	3.34E-01	7.36E-04	3.87E-06	
				472	3.53E+00	7.78E-03	4.09E-05	4.09E-05
Idle at Light Logistics	**LHDT1**	0.02	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	0.01	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	0.06	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.06	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Gas Compressor	**LHDT1**	0.02	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	0.01	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	0.06	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.06	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Fueling Station	**LHDT1**	0.019	15	1	2.32E-03	5.11E-06	2.68E-08	
	LHDT2	0.013	15	0	1.38E-04	3.03E-07	1.59E-09	
	MHDT	0.061	15	1	9.05E-03	1.99E-05	1.05E-07	
	HHDT	0.061	15	0	3.45E-03	7.60E-06	3.99E-08	
				1	1.50E-02	3.29E-05	1.73E-07	1.73E-07
TOTAL				473	3.55E+00	7.81E-03	4.11E-05	4.11E-05

World Logistics Center **2012** **PM10** Based on PB Traffic Results 10/23/2012

Project-Related Emissions **Phase 1 + Phase 2** NoR

Build out in 2012

Internal Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Entrained Dust (g/sec)	Total Emissions (g/sec)	ighted Emission Ht (m)
1	1.13E-02	2.26E-03	3.45E-02	4.81E-02	1.74
2	2.33E-02	4.90E-03	7.18E-02	1.00E-01	1.73
3	1.58E-02	3.51E-03	4.91E-02	6.85E-02	1.73
4	6.92E-03	1.83E-03	2.06E-02	2.93E-02	1.74
5	8.58E-03	3.35E-03	2.75E-02	3.94E-02	1.69
6	1.80E-02	4.38E-03	5.63E-02	7.87E-02	1.72
7	1.80E-03	5.97E-04	4.45E-02	4.69E-02	1.12
8	2.35E-03	5.37E-03	1.62E-02	2.39E-02	1.31
11	1.41E-04	-1.41E-03	-2.78E-03	-4.05E-03	1.00
12	3.47E-04	2.11E-03	5.51E-03	7.96E-03	1.14
14	2.91E-03	1.51E-03	1.10E-02	1.54E-02	1.59
15	2.31E-03	2.75E-04	6.93E-03	9.51E-03	1.76
18	1.30E-03	4.77E-04	4.37E-03	6.14E-03	1.67
18a	3.11E-04	1.87E-04	1.17E-03	1.67E-03	1.59
19	6.43E-03	1.36E-03	1.98E-02	2.76E-02	1.73
20	5.06E-04	7.21E-04	2.66E-03	3.89E-03	1.41
21	6.15E-03	2.29E-03	2.05E-02	2.90E-02	1.67
22	6.56E-03	3.03E-03	2.32E-02	3.28E-02	1.63
23	2.88E-03	9.30E-04	7.06E-02	7.44E-02	1.12
24	4.16E-03	3.42E-03	1.76E-02	2.51E-02	1.52
25	2.01E-03	7.69E-04	6.81E-03	9.59E-03	1.66
26	2.37E-03	6.70E-04	5.70E-02	6.01E-02	1.12
27	1.50E-03	4.30E-04	3.60E-02	3.79E-02	1.12
28	3.63E-03	1.13E-03	1.18E-02	1.66E-02	1.69
29	3.33E-03	2.19E-03	1.37E-02	1.92E-02	1.55
30	1.34E-02	4.79E-03	4.63E-02	6.45E-02	1.65
31	1.59E-03	2.18E-04	3.95E-03	5.76E-03	1.87
				8.78E-01	

World Logistics Center 2012
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011 @ All Speeds

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	18564554
LDT1-GAS	2769045
LDT2-GAS	6829871
MDT-GAS	6745581
LHDT1-GAS	1119068
LHDT2-GAS	91973
MHDT-GAS	65362
HHDT-GAS	15407
Subtotal	36200862
DSL Vehicle Class	
LDA-DSL	50577
LDT1-DSL	2938
LDT2-DSL	3006
MDT-DSL	5552
LHDT1-DSL	666116
LHDT2-DSL	212631
MHDT-DSL	410652
HHDT-DSL	1459287
Subtotal	2810761
Grand Total	39011623

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	18564554	50577	18615131	53.23%	99.7%	0.27%
LDT1	Pass Car	2769045	2938	2771983	7.93%	99.9%	0.11%
LDT2	Pass Car	6829871	3006	6832877	19.54%	100.0%	0.04%
MDT	Pass Car	6745581	5552	6751134	19.30%	99.9%	0.08%
Subtotal		34909052	62074	34971125	100.00%	99.8%	0.18%
LHDT1	Light Heavy Truck	1119068	666116	1785184	85.42%	62.7%	37.31%
LHDT2	Light Heavy Truck	91973	212631	304605	14.58%	30.2%	69.81%
Subtotal		1211042	878747	2089789			
MHDT	Medium Heavy Truck	65362	410652	476014	100%	13.7%	86.27%
HHDT	Heavy Heavy Truck	15407	1459287	1474694	100%	1.0%	98.96%

World Logistics Center **2012** **PM10** **Phase 1 + Phase 2** **Build out in 2012**

Project-Related Emissions
Internal Roadway Circulation

Project Operations: 24 hours/day

Vehicle Fleet Trips - Diesel (% Vehicle Class)

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.14%	0.01%	0.01%	0.02%	31.87%	10.17%	86.27%	98.96%

Vehicle Trips

Roadway Segment	Total Daily Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2 DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)
1	32599	19,321	1,010	3,065	9,203	327	0.203	28	2	2	3	322	103	2644	9107	12210
2	37051	22,004	1,705	3,238	10,104	614	0.381	32	2	2	3	543	173	2793	9998	13548
3	13549	8,187	649	1,173	3,540	1181	0.734	12	1	1	1	207	66	1012	3503	4802
4	8744	4,783	1,337	1,422	1,202	934	0.580	7	0	0	1	426	136	1227	1189	2987
5	12586	8,219	1,477	1,688	1,202	1060	0.658	12	1	1	1	471	150	1456	1189	3281
6	16617	10,488	679	1,415	4,035	1163	0.722	15	1	1	2	216	69	1221	3993	5518
7	4499	3,133	176	342	848	535	0.332	5	0	0	0	56	18	295	839	1214
8	14754	13,462	507	785	0	1143	0.710	19	1	1	2	162	52	677	0	914
11	-3416	-3,491	28	47	0	1201	0.746	-5	0	0	-1	9	3	41	0	46
12	7778	7,404	261	49	64	824	0.512	11	1	1	1	83	27	42	63	228
14	6130	4,839	167	220	904	897	0.557	7	0	0	1	53	17	190	895	1163
15	2327	754	540	192	841	734	0.456	1	0	0	0	172	55	166	832	1226
18	2415	1,695	137	179	404	780	0.485	2	0	0	0	44	14	154	400	615
18a	1031	822	37	69	103	648	0.403	1	0	0	0	12	4	60	102	178
19	4677	2,814	183	400	1,280	1347	0.837	4	0	0	0	58	19	345	1267	1694
20	2183	1,935	71	128	49	1067	0.663	3	0	0	0	23	7	110	48	192
21	13513	9,711	498	1,096	2,208	664	0.412	14	1	1	2	159	51	946	2185	3357
22	16074	12,213	545	1,096	2,220	704	0.437	18	1	1	2	174	55	946	2197	3393
23	8427	5,839	309	663	1,616	448	0.278	8	0	1	1	98	31	572	1599	2311
24	8050	6,795	218	437	600	1443	0.896	10	1	1	1	69	22	377	594	1074
25	11265	8,239	339	788	1,899	265	0.165	12	1	1	1	108	34	680	1879	2716
26	6767	4,509	251	531	1,476	417	0.259	7	0	0	1	80	26	458	1461	2032
27	5203	3,467	214	420	1,102	347	0.216	5	0	0	1	68	22	362	1090	1549
28	3178	2,183	115	246	634	1459	0.906	3	0	0	0	37	12	212	627	892
29	13711	10,967	773	377	1,594	564	0.350	16	1	1	2	246	79	325	1577	2247
30	8812	6,020	708	429	1,655	2174	1.351	9	1	1	1	226	72	370	1638	2316
31	785	350	38	268	129	1563	0.971	1	0	0	0	12	4	231	128	375

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors (g/mi)

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.0864	0.1377	0.1263	0.0881	0.1374	0.1479	0.3752	0.4130
2	0.0749	0.1107	0.1027	0.0764	0.1171	0.1287	0.3220	0.3795
3	0.0785	0.1196	0.1104	0.0800	0.1243	0.1355	0.3266	0.3685
4	0.0747	0.1087	0.1009	0.0765	0.1135	0.1253	0.3617	0.4459

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	HHDT-DSL TRU (g/sec)	Total (g/sec)
1	1	5.68E-06	5.26E-07	4.93E-07	6.35E-07	1.04E-04	3.57E-05	2.33E-03	8.84E-03	0.00E+00	1.13E-02
2	1	1.21E-05	1.12E-06	1.05E-06	1.36E-06	3.30E-04	1.13E-04	4.63E-03	1.82E-02	0.00E+00	2.33E-02
3	1	8.69E-06	8.04E-07	7.55E-07	9.72E-07	2.41E-04	8.29E-05	3.22E-03	1.23E-02	0.00E+00	1.58E-02
4	1	4.01E-06	3.72E-07	3.49E-07	4.49E-07	3.93E-04	1.35E-04	3.09E-03	3.30E-03	0.00E+00	6.92E-03
5	1	7.83E-06	7.25E-07	6.80E-07	8.76E-07	4.93E-04	1.69E-04	4.16E-03	3.74E-03	0.00E+00	8.58E-03
6	1	1.10E-05	1.01E-06	9.52E-07	1.23E-06	2.49E-04	8.54E-05	3.83E-03	1.38E-02	0.00E+00	1.80E-02
7	1	1.51E-06	1.39E-07	1.31E-07	1.69E-07	2.97E-05	1.02E-05	4.26E-04	1.33E-03	0.00E+00	1.80E-03
8	1	1.38E-05	1.28E-06	1.20E-06	1.55E-06	1.82E-04	6.27E-05	2.09E-03	0.00E+00	0.00E+00	2.35E-03
11	1	-3.77E-06	-3.49E-07	-3.27E-07	-4.22E-07	1.06E-05	3.64E-06	1.31E-04	0.00E+00	0.00E+00	1.41E-04
12	1	5.48E-06	5.07E-07	4.76E-07	6.14E-07	6.77E-05	2.33E-05	9.40E-05	1.55E-04	0.00E+00	3.47E-04
14	1	3.90E-06	3.61E-07	3.39E-07	4.37E-07	4.72E-05	1.62E-05	4.59E-04	2.38E-03	0.00E+00	2.91E-03
15	1	4.97E-07	4.60E-08	4.32E-08	5.57E-08	1.25E-04	4.29E-05	3.28E-04	1.81E-03	0.00E+00	2.31E-03
18	1	1.19E-06	1.10E-07	1.03E-07	1.33E-07	3.36E-05	1.16E-05	3.25E-04	9.26E-04	0.00E+00	1.30E-03
18a	1	4.79E-07	4.43E-08	4.16E-08	5.36E-08	7.55E-06	2.59E-06	1.04E-04	1.96E-04	0.00E+00	3.11E-04
19	1	3.41E-06	3.15E-07	2.96E-07	3.81E-07	7.76E-05	2.67E-05	1.25E-03	5.07E-03	0.00E+00	6.43E-03
20	1	1.85E-06	1.72E-07	1.61E-07	2.08E-07	2.39E-05	8.20E-06	3.18E-04	1.54E-04	0.00E+00	5.06E-04
21	1	5.79E-06	5.36E-07	5.03E-07	6.48E-07	1.04E-04	3.58E-05	1.69E-03	4.31E-03	0.00E+00	6.15E-03
22	1	7.72E-06	7.15E-07	6.71E-07	8.65E-07	1.21E-04	4.15E-05	1.80E-03	4.59E-03	0.00E+00	6.56E-03
23	1	2.35E-06	2.18E-07	2.04E-07	2.63E-07	4.36E-05	1.50E-05	6.91E-04	2.13E-03	0.00E+00	2.88E-03
24	1	8.81E-06	8.16E-07	7.65E-07	9.86E-07	9.91E-05	3.40E-05	1.47E-03	2.54E-03	0.00E+00	4.16E-03
25	1	1.96E-06	1.82E-07	1.70E-07	2.20E-07	2.83E-05	9.72E-06	4.86E-04	1.48E-03	0.00E+00	2.01E-03
26	1	1.69E-06	1.56E-07	1.47E-07	1.89E-07	3.30E-05	1.13E-05	5.15E-04	1.81E-03	0.00E+00	2.37E-03
27	1	1.08E-06	1.00E-07	9.39E-08	1.21E-07	2.34E-05	8.03E-06	3.39E-04	1.12E-03	0.00E+00	1.50E-03
28	1	2.86E-06	2.65E-07	2.49E-07	3.20E-07	5.28E-05	1.82E-05	8.35E-04	2.72E-03	0.00E+00	3.63E-03
29	1	5.56E-06	5.15E-07	4.83E-07	6.22E-07	1.37E-04	4.72E-05	4.95E-04	2.64E-03	0.00E+00	3.33E-03
30	1	1.18E-05	1.09E-06	1.02E-06	1.32E-06	4.85E-04	1.67E-04	2.17E-03	1.06E-02	0.00E+00	1.34E-02
31	1	4.91E-07	4.55E-08	4.27E-08	5.50E-08	1.87E-05	6.43E-06	9.75E-04	5.92E-04	0.00E+00	1.59E-03

World Logistics Center **2012** **PM10** **Phase 1 + Phase 2** **Build out in 2012**

Project-Related Emissions
Internal Roadway Circulation

Project Operations: 24 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
53.09%	7.92%	19.53%	19.29%	53.55%	4.40%	13.73%	1.04%

Vehicle Trips

Roadway Segment	Total Daily Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2 GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	32599	19,321	1,010	3,065	9,203	327	0.203	10257	1530	3773	3727	541	44	421	96	20389
2	37051	22,004	1,705	3,238	10,104	614	0.381	11681	1742	4297	4244	913	75	445	106	23503
3	13549	8,187	649	1,173	3,540	1181	0.734	4346	648	1599	1579	348	29	161	37	8747
4	8744	4,783	1,337	1,422	1,202	934	0.580	2539	379	934	923	716	59	195	13	5757
5	12586	8,219	1,477	1,688	1,202	1060	0.658	4363	651	1605	1585	791	65	232	13	9305
6	16617	10,488	679	1,415	4,035	1163	0.722	5568	830	2048	2023	364	30	194	42	11099
7	4499	3,133	176	342	848	535	0.332	1663	248	612	604	94	8	47	9	3285
8	14754	13,462	507	785	0	1143	0.710	7146	1066	2629	2597	271	22	108	0	13840
11	-3416	-3,491	28	47	0	1201	0.746	-1853	-276	-682	-673	15	1	6	0	-3462
12	7778	7,404	261	49	64	824	0.512	3930	586	1446	1428	140	11	7	1	7550
14	6130	4,839	167	220	904	897	0.557	2569	383	945	933	89	7	30	9	4967
15	2327	754	540	192	841	734	0.456	400	60	147	145	289	24	26	9	1101
18	2415	1,695	137	179	404	780	0.485	900	134	331	327	73	6	25	4	1800
18a	1031	822	37	69	103	648	0.403	436	65	161	159	20	2	9	1	853
19	4677	2,814	183	400	1,280	1347	0.837	1494	223	550	543	98	8	55	13	2983
20	2183	1,935	71	128	49	1067	0.663	1027	153	378	373	38	3	18	1	1991
21	13513	9,711	498	1,096	2,208	664	0.412	5155	769	1897	1873	267	22	150	23	10156
22	16074	12,213	545	1,096	2,220	704	0.437	6483	967	2385	2356	292	24	150	23	12681
23	8427	5,839	309	663	1,616	448	0.278	3100	462	1140	1126	165	14	91	17	6116
24	8050	6,795	218	437	600	1443	0.896	3607	538	1327	1311	117	10	60	6	6976
25	11265	8,239	339	788	1,899	265	0.165	4374	652	1609	1589	182	15	108	20	8549
26	6767	4,509	251	531	1,476	417	0.259	2394	357	881	870	134	11	73	15	4735
27	5203	3,467	214	420	1,102	347	0.216	1840	275	677	669	115	9	58	12	3654
28	3178	2,183	115	246	634	1459	0.906	1159	173	426	421	62	5	34	7	2286
29	13711	10,967	773	377	1,594	564	0.350	5822	868	2142	2115	414	34	52	17	11464
30	8812	6,020	708	429	1,655	2174	1.351	3196	477	1176	1161	379	31	59	17	6496
31	785	350	38	268	129	1563	0.971	186	28	68	68	20	2	37	1	410

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	0.0469	0.0498	0.0470	0.0470	0.0478	0.0476	0.0484	0.0468
2	0.0465	0.0488	0.0466	0.0466	0.0462	0.0459	0.0462	0.0456
3	0.0466	0.0489	0.0466	0.0466	0.0467	0.0466	0.0471	0.0461
4	0.0469	0.0494	0.0469	0.0469	0.0460	0.0459	0.0462	0.0456

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	1.13E-03	1.79E-04	4.17E-04	4.12E-04	6.08E-05	4.97E-06	4.79E-05	1.06E-05	2.26E-03
2	1	2.42E-03	3.83E-04	8.92E-04	8.81E-04	1.93E-04	1.58E-05	9.50E-05	2.18E-05	4.90E-03
3	1	1.73E-03	2.74E-04	6.38E-04	6.30E-04	1.41E-04	1.15E-05	6.62E-05	1.47E-05	3.51E-03
4	1	8.00E-04	1.27E-04	2.95E-04	2.91E-04	2.30E-04	1.88E-05	6.35E-05	3.95E-06	1.83E-03
5	1	1.56E-03	2.47E-04	5.75E-04	5.68E-04	2.88E-04	2.36E-05	8.55E-05	4.48E-06	3.35E-03
6	1	2.18E-03	3.46E-04	8.05E-04	7.95E-04	1.45E-04	1.19E-05	7.86E-05	1.65E-05	4.38E-03
7	1	3.00E-04	4.75E-05	1.11E-04	1.09E-04	1.73E-05	1.42E-06	8.74E-06	1.59E-06	5.97E-04
8	1	2.75E-03	4.36E-04	1.02E-03	1.00E-03	1.07E-04	8.73E-06	4.29E-05	0.00E+00	5.37E-03
11	1	-7.51E-04	-1.19E-04	-2.77E-04	-2.73E-04	6.19E-06	5.07E-07	2.70E-06	0.00E+00	-1.41E-03
12	1	1.09E-03	1.73E-04	4.03E-04	3.98E-04	3.96E-05	3.24E-06	1.93E-06	1.85E-07	2.11E-03
14	1	7.77E-04	1.23E-04	2.86E-04	2.83E-04	2.76E-05	2.26E-06	9.43E-06	2.85E-06	1.51E-03
15	1	9.91E-05	1.57E-05	3.65E-05	3.61E-05	7.29E-05	5.97E-06	6.73E-06	2.17E-06	2.75E-04
18	1	2.37E-04	3.75E-05	8.73E-05	8.62E-05	1.97E-05	1.61E-06	6.67E-06	1.11E-06	4.77E-04
18a	1	9.54E-05	1.51E-05	3.52E-05	3.47E-05	4.41E-06	3.61E-07	2.14E-06	2.35E-07	1.87E-04
19	1	6.79E-04	1.07E-04	2.50E-04	2.47E-04	4.54E-05	3.71E-06	2.57E-05	6.06E-06	1.36E-03
20	1	3.70E-04	5.85E-05	1.36E-04	1.35E-04	1.39E-05	1.14E-06	6.53E-06	1.84E-07	7.21E-04
21	1	1.15E-03	1.83E-04	4.26E-04	4.20E-04	6.09E-05	4.98E-06	3.48E-05	5.15E-06	2.29E-03
22	1	1.54E-03	2.44E-04	5.67E-04	5.60E-04	7.06E-05	5.78E-06	3.69E-05	5.49E-06	3.03E-03
23	1	4.68E-04	7.42E-05	1.73E-04	1.71E-04	2.55E-05	2.09E-06	1.42E-05	2.55E-06	9.30E-04
24	1	1.76E-03	2.78E-04	6.47E-04	6.39E-04	5.79E-05	4.74E-06	3.01E-05	3.04E-06	3.42E-03
25	1	3.91E-04	6.19E-05	1.44E-04	1.42E-04	1.65E-05	1.35E-06	9.98E-06	1.77E-06	7.69E-04
26	1	3.37E-04	5.33E-05	1.24E-04	1.23E-04	1.93E-05	1.58E-06	1.06E-05	2.16E-06	6.70E-04
27	1	2.15E-04	3.41E-05	7.94E-05	7.84E-05	1.37E-05	1.12E-06	6.96E-06	1.34E-06	4.30E-04
28	1	5.70E-04	9.03E-05	2.10E-04	2.08E-04	3.09E-05	2.53E-06	1.72E-05	3.25E-06	1.13E-03
29	1	1.11E-03	1.75E-04	4.08E-04	4.03E-04	8.02E-05	6.57E-06	1.02E-05	3.16E-06	2.19E-03
30	1	2.34E-03	3.71E-04	8.64E-04	8.53E-04	2.83E-04	2.32E-05	4.46E-05	1.26E-05	4.79E-03
31	1	9.79E-05	1.55E-05	3.61E-05	3.57E-05	1.09E-05	8.95E-07	2.00E-05	7.09E-07	2.18E-04

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** Lakes Environmental AERMOD MPI
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** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 8.0.7
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 11/29/2012
** FILE: C:\MBA\HIGHLAND FAIRVIEW REV3 - ALL SOURCES\AERMOD-2012\AERMOD_LST_PM10_2012NR\AERMOD_LST_PM10_2012NR.ADI
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** AERMOD CONTROL PATHWAY
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**
**
CO STARTING
   TITLEONE WLC PROJECT-RELATED OPERATIONS - 2012
   TITLETWO PM10 - LST ASSESSMENT (NO REFRIGERATION)
   MODELOPT CONC  FASTALL
   AVERTIME 24 ANNUAL
   URBANOPT 2000000
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL AERMOD_LST_PM10_2012NR.ERR
CO FINISHED
**
****************************************
** AERMOD SOURCE PATHWAY
****************************************
**
**
SO STARTING
** SOURCE LOCATION **
** SOURCE ID - TYPE - X COORD. - Y COORD. **
   LOCATION PHASE1       AREAPOLY   485577.456  3755020.364      527.630
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT01
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 32.92
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0481
** ELEVATED
** VERTICAL DIMENSION = 1.70
** SZINIT = 0.40
** NODES = 2
** 487123.57, 3755422.68, 541.00, 1.70, 27.35
** 487123.57, 3755095.72, 532.00, 1.70, 27.35
** ---------------------------------------------------------------------
   LOCATION L0110380     VOLUME   487123.570 3755406.219 539.96
   LOCATION L0110381     VOLUME   487123.570 3755347.411 542.85
   LOCATION L0110382     VOLUME   487123.570 3755288.602 541.77
   LOCATION L0110383     VOLUME   487123.570 3755229.793 539.11
   LOCATION L0110384     VOLUME   487123.570 3755170.984 535.08
   LOCATION L0110385     VOLUME   487123.570 3755112.176 532.22
** END OF LINE VOLUME SOURCE ID = SEGMENT01
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT02
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 32.92
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.1
** ELEVATED
** VERTICAL DIMENSION = 1.70
** SZINIT = 0.40
** NODES = 2
** 487126.15, 3755058.81, 532.00, 1.70, 30.03
** 487128.77, 3754444.85, 508.00, 1.70, 30.03
** ---------------------------------------------------------------------
   LOCATION L0110398     VOLUME   487126.220 3755042.351 529.66
   LOCATION L0110399     VOLUME   487126.496 3754977.791 531.78
   LOCATION L0110400     VOLUME   487126.772 3754913.230 524.89
   LOCATION L0110401     VOLUME   487127.048 3754848.670 523.19
   LOCATION L0110402     VOLUME   487127.324 3754784.110 524.09
   LOCATION L0110403     VOLUME   487127.600 3754719.550 520.92
   LOCATION L0110404     VOLUME   487127.876 3754654.990 516.31
   LOCATION L0110405     VOLUME   487128.151 3754590.429 514.39
   LOCATION L0110406     VOLUME   487128.427 3754525.869 509.08
   LOCATION L0110407     VOLUME   487128.703 3754461.309 506.75
** END OF LINE VOLUME SOURCE ID = SEGMENT02
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT03
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0685
** ELEVATED
** VERTICAL DIMENSION = 1.70
** SZINIT = 0.40
** NODES = 4
** 487123.53, 3754444.85, 511.00, 1.70, 18.01
** 486186.84, 3754452.72, 516.00, 1.70, 18.01
** 486042.53, 3754366.14, 509.00, 1.70, 18.01
** 486008.42, 3754297.92, 511.00, 1.70, 18.01
** ---------------------------------------------------------------------
   LOCATION L0110408     VOLUME   487113.771 3754444.931 507.75
   LOCATION L0110409     VOLUME   487075.047 3754445.256 511.34
   LOCATION L0110410     VOLUME   487036.323 3754445.582 512.10
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   LOCATION L0110411     VOLUME   486997.599 3754445.907 512.15
   LOCATION L0110412     VOLUME   486958.875 3754446.233 513.24
   LOCATION L0110413     VOLUME   486920.150 3754446.558 514.00
   LOCATION L0110414     VOLUME   486881.426 3754446.884 514.76
   LOCATION L0110415     VOLUME   486842.702 3754447.209 515.93
   LOCATION L0110416     VOLUME   486803.978 3754447.534 515.40
   LOCATION L0110417     VOLUME   486765.253 3754447.860 516.13
   LOCATION L0110418     VOLUME   486726.529 3754448.185 515.70
   LOCATION L0110419     VOLUME   486687.805 3754448.511 514.26
   LOCATION L0110420     VOLUME   486649.081 3754448.836 514.26
   LOCATION L0110421     VOLUME   486610.357 3754449.161 514.89
   LOCATION L0110422     VOLUME   486571.632 3754449.487 515.30
   LOCATION L0110423     VOLUME   486532.908 3754449.812 514.65
   LOCATION L0110424     VOLUME   486494.184 3754450.138 515.02
   LOCATION L0110425     VOLUME   486455.460 3754450.463 514.53
   LOCATION L0110426     VOLUME   486416.735 3754450.788 513.36
   LOCATION L0110427     VOLUME   486378.011 3754451.114 513.37
   LOCATION L0110428     VOLUME   486339.287 3754451.439 514.07
   LOCATION L0110429     VOLUME   486300.563 3754451.765 514.99
   LOCATION L0110430     VOLUME   486261.839 3754452.090 516.27
   LOCATION L0110431     VOLUME   486223.114 3754452.416 516.77
   LOCATION L0110432     VOLUME   486184.739 3754451.459 514.93
   LOCATION L0110433     VOLUME   486151.532 3754431.535 512.54
   LOCATION L0110434     VOLUME   486118.325 3754411.611 510.16
   LOCATION L0110435     VOLUME   486085.119 3754391.687 509.33
   LOCATION L0110436     VOLUME   486051.912 3754371.763 509.00
   LOCATION L0110437     VOLUME   486030.106 3754341.280 509.29
   LOCATION L0110438     VOLUME   486012.788 3754306.643 509.94
** END OF LINE VOLUME SOURCE ID = SEGMENT03
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT04
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0293
** ELEVATED
** VERTICAL DIMENSION = 1.70
** SZINIT = 0.40
** NODES = 3
** 486005.80, 3754303.17, 511.00, 1.70, 17.72
** 485997.93, 3753510.79, 496.00, 1.70, 17.72
** 486071.40, 3753390.09, 494.00, 1.70, 17.72
** ----------------------------------------------------------------------
   LOCATION L0110439     VOLUME   486005.704 3754293.411 510.63
   LOCATION L0110440     VOLUME   486005.326 3754255.321 509.54
   LOCATION L0110441     VOLUME   486004.948 3754217.231 507.64
   LOCATION L0110442     VOLUME   486004.569 3754179.142 507.85
   LOCATION L0110443     VOLUME   486004.191 3754141.052 508.00
   LOCATION L0110444     VOLUME   486003.812 3754102.962 506.84
   LOCATION L0110445     VOLUME   486003.434 3754064.872 506.32
   LOCATION L0110446     VOLUME   486003.056 3754026.782 505.20
   LOCATION L0110447     VOLUME   486002.677 3753988.692 504.96
   LOCATION L0110448     VOLUME   486002.299 3753950.603 504.05
   LOCATION L0110449     VOLUME   486001.921 3753912.513 503.42
   LOCATION L0110450     VOLUME   486001.542 3753874.423 502.15
   LOCATION L0110451     VOLUME   486001.164 3753836.333 500.88
   LOCATION L0110452     VOLUME   486000.785 3753798.243 499.60
   LOCATION L0110453     VOLUME   486000.407 3753760.153 499.65
   LOCATION L0110454     VOLUME   486000.029 3753722.064 501.86
   LOCATION L0110455     VOLUME   485999.650 3753683.974 501.59
   LOCATION L0110456     VOLUME   485999.272 3753645.884 499.01
   LOCATION L0110457     VOLUME   485998.894 3753607.794 496.47
   LOCATION L0110458     VOLUME   485998.515 3753569.704 495.96
   LOCATION L0110459     VOLUME   485998.137 3753531.614 496.53
   LOCATION L0110460     VOLUME   486006.906 3753496.041 495.32
   LOCATION L0110461     VOLUME   486026.712 3753463.503 492.84
   LOCATION L0110462     VOLUME   486046.518 3753430.965 491.43
   LOCATION L0110463     VOLUME   486066.323 3753398.427 492.30
** END OF LINE VOLUME SOURCE ID = SEGMENT04
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT05
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0394
** ELEVATED
** VERTICAL DIMENSION = 1.70
** SZINIT = 0.40
** NODES = 4
** 486071.40, 3753390.09, 494.00, 1.70, 24.05
** 486147.48, 3753361.23, 495.00, 1.70, 24.05
** 486743.08, 3753353.36, 496.00, 1.70, 24.05
** 487118.28, 3753274.65, 490.00, 1.70, 24.05
** ----------------------------------------------------------------------
   LOCATION L0110464     VOLUME   486083.649 3753385.447 493.58
   LOCATION L0110465     VOLUME   486131.996 3753367.108 494.67
   LOCATION L0110466     VOLUME   486182.626 3753360.769 493.89
   LOCATION L0110467     VOLUME   486234.330 3753360.085 492.19
   LOCATION L0110468     VOLUME   486286.035 3753359.402 493.50
   LOCATION L0110469     VOLUME   486337.740 3753358.719 493.96
   LOCATION L0110470     VOLUME   486389.444 3753358.035 493.93
   LOCATION L0110471     VOLUME   486441.149 3753357.352 497.53
   LOCATION L0110472     VOLUME   486492.853 3753356.669 495.62
   LOCATION L0110473     VOLUME   486544.558 3753355.985 494.85
   LOCATION L0110474     VOLUME   486596.263 3753355.302 494.14
   LOCATION L0110475     VOLUME   486647.967 3753354.619 495.00
   LOCATION L0110476     VOLUME   486699.672 3753353.936 494.60
   LOCATION L0110477     VOLUME   486751.201 3753351.658 494.71
   LOCATION L0110478     VOLUME   486801.808 3753341.041 492.74
   LOCATION L0110479     VOLUME   486852.415 3753330.424 491.02
   LOCATION L0110480     VOLUME   486903.023 3753319.807 491.73
   LOCATION L0110481     VOLUME   486953.630 3753309.190 491.37
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   LOCATION L0110482     VOLUME   487004.238 3753298.573 491.98
   LOCATION L0110483     VOLUME   487054.845 3753287.956 490.84
   LOCATION L0110484     VOLUME   487105.453 3753277.340 489.15
** END OF LINE VOLUME SOURCE ID = SEGMENT05
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT06
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 32.92
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0787
** ELEVATED
** VERTICAL DIMENSION = 1.70
** SZINIT = 0.40
** NODES = 2
** 487123.53, 3754450.10, 512.00, 1.70, 29.19
** 487105.16, 3753287.77, 490.00, 1.70, 29.19
** ----------------------------------------------------------------------
   LOCATION L0110485     VOLUME   487123.266 3754433.639 507.42
   LOCATION L0110486     VOLUME   487122.275 3754370.893 509.59
   LOCATION L0110487     VOLUME   487121.283 3754308.148 508.25
   LOCATION L0110488     VOLUME   487120.292 3754245.403 509.81
   LOCATION L0110489     VOLUME   487119.300 3754182.658 507.25
   LOCATION L0110490     VOLUME   487118.309 3754119.913 505.05
   LOCATION L0110491     VOLUME   487117.317 3754057.168 504.76
   LOCATION L0110492     VOLUME   487116.326 3753994.422 501.94
   LOCATION L0110493     VOLUME   487115.334 3753931.677 501.00
   LOCATION L0110494     VOLUME   487114.343 3753868.932 500.96
   LOCATION L0110495     VOLUME   487113.351 3753806.187 496.87
   LOCATION L0110496     VOLUME   487112.360 3753743.442 499.16
   LOCATION L0110497     VOLUME   487111.369 3753680.697 498.68
   LOCATION L0110498     VOLUME   487110.377 3753617.951 497.59
   LOCATION L0110499     VOLUME   487109.386 3753555.206 495.99
   LOCATION L0110500     VOLUME   487108.394 3753492.461 495.96
   LOCATION L0110501     VOLUME   487107.403 3753429.716 494.65
   LOCATION L0110502     VOLUME   487106.411 3753366.971 489.26
   LOCATION L0110503     VOLUME   487105.420 3753304.226 489.13
** END OF LINE VOLUME SOURCE ID = SEGMENT06
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT07
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 32.92
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0469
** ELEVATED
** VERTICAL DIMENSION = 1.10
** SZINIT = 0.26
** NODES = 2
** 487102.54, 3753300.89, 489.00, 1.10, 29.21
** 487105.16, 3752765.64, 483.00, 1.10, 29.21
** ----------------------------------------------------------------------
   LOCATION L0110504     VOLUME   487102.617 3753284.427 489.25
   LOCATION L0110505     VOLUME   487102.924 3753221.636 489.56
   LOCATION L0110506     VOLUME   487103.232 3753158.844 486.75
   LOCATION L0110507     VOLUME   487103.540 3753096.053 485.78
   LOCATION L0110508     VOLUME   487103.848 3753033.262 484.98
   LOCATION L0110509     VOLUME   487104.156 3752970.471 486.98
   LOCATION L0110510     VOLUME   487104.463 3752907.680 484.85
   LOCATION L0110511     VOLUME   487104.771 3752844.889 483.17
   LOCATION L0110512     VOLUME   487105.079 3752782.098 483.74
** END OF LINE VOLUME SOURCE ID = SEGMENT07
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT08
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0239
** ELEVATED
** VERTICAL DIMENSION = 1.30
** SZINIT = 0.30
** NODES = 3
** 486074.02, 3753392.72, 494.00, 1.30, 18.01
** 485979.56, 3753190.69, 490.00, 1.30, 18.01
** 485959.38, 3752271.31, 509.00, 1.30, 18.01
** ----------------------------------------------------------------------
   LOCATION L0110513     VOLUME   486069.888 3753383.881 492.66
   LOCATION L0110514     VOLUME   486053.485 3753348.798 491.27
   LOCATION L0110515     VOLUME   486037.083 3753313.715 490.52
   LOCATION L0110516     VOLUME   486020.680 3753278.632 490.29
   LOCATION L0110517     VOLUME   486004.278 3753243.549 490.00
   LOCATION L0110518     VOLUME   485987.875 3753208.466 489.60
   LOCATION L0110519     VOLUME   485979.144 3753171.590 489.02
   LOCATION L0110520     VOLUME   485978.294 3753132.871 488.12
   LOCATION L0110521     VOLUME   485977.445 3753094.153 488.21
   LOCATION L0110522     VOLUME   485976.595 3753055.434 489.37
   LOCATION L0110523     VOLUME   485975.745 3753016.715 490.11
   LOCATION L0110524     VOLUME   485974.895 3752977.997 490.00
   LOCATION L0110525     VOLUME   485974.045 3752939.278 489.00
   LOCATION L0110526     VOLUME   485973.195 3752900.559 489.00
   LOCATION L0110527     VOLUME   485972.345 3752861.841 489.00
   LOCATION L0110528     VOLUME   485971.495 3752823.122 489.00
   LOCATION L0110529     VOLUME   485970.646 3752784.403 488.77
   LOCATION L0110530     VOLUME   485969.796 3752745.684 487.04
   LOCATION L0110531     VOLUME   485968.946 3752706.966 485.22
   LOCATION L0110532     VOLUME   485968.096 3752668.247 486.17
   LOCATION L0110533     VOLUME   485967.246 3752629.528 488.82
   LOCATION L0110534     VOLUME   485966.396 3752590.810 490.12
   LOCATION L0110535     VOLUME   485965.546 3752552.091 495.23
   LOCATION L0110536     VOLUME   485964.696 3752513.372 496.37
   LOCATION L0110537     VOLUME   485963.846 3752474.654 496.10
   LOCATION L0110538     VOLUME   485962.997 3752435.935 496.42
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   LOCATION L0110539     VOLUME   485962.147 3752397.216 498.83
   LOCATION L0110540     VOLUME   485961.297 3752358.498 500.09
   LOCATION L0110541     VOLUME   485960.447 3752319.779 500.68
   LOCATION L0110542     VOLUME   485959.597 3752281.060 501.95
** END OF LINE VOLUME SOURCE ID = SEGMENT08
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT11
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = -0.00405
** ELEVATED
** VERTICAL DIMENSION = 1.00
** SZINIT = 0.23
** NODES = 2
** 485510.85, 3754275.79, 515.00, 1.00, 15.74
** 485509.55, 3753074.46, 494.00, 1.00, 15.74
** ---------------------------------------------------------------------
   LOCATION L0110543     VOLUME   485510.839 3754267.258 514.24
   LOCATION L0110544     VOLUME   485510.802 3754233.422 512.23
   LOCATION L0110545     VOLUME   485510.765 3754199.586 512.08
   LOCATION L0110546     VOLUME   485510.729 3754165.750 512.69
   LOCATION L0110547     VOLUME   485510.692 3754131.914 512.23
   LOCATION L0110548     VOLUME   485510.655 3754098.078 510.48
   LOCATION L0110549     VOLUME   485510.619 3754064.242 508.44
   LOCATION L0110550     VOLUME   485510.582 3754030.406 506.46
   LOCATION L0110551     VOLUME   485510.545 3753996.570 505.47
   LOCATION L0110552     VOLUME   485510.509 3753962.734 505.32
   LOCATION L0110553     VOLUME   485510.472 3753928.898 504.26
   LOCATION L0110554     VOLUME   485510.436 3753895.062 502.47
   LOCATION L0110555     VOLUME   485510.399 3753861.226 501.84
   LOCATION L0110556     VOLUME   485510.362 3753827.390 501.90
   LOCATION L0110557     VOLUME   485510.326 3753793.554 502.24
   LOCATION L0110558     VOLUME   485510.289 3753759.718 504.35
   LOCATION L0110559     VOLUME   485510.252 3753725.882 505.00
   LOCATION L0110560     VOLUME   485510.216 3753692.046 505.00
   LOCATION L0110561     VOLUME   485510.179 3753658.210 502.55
   LOCATION L0110562     VOLUME   485510.142 3753624.374 500.42
   LOCATION L0110563     VOLUME   485510.106 3753590.538 499.43
   LOCATION L0110564     VOLUME   485510.069 3753556.702 499.96
   LOCATION L0110565     VOLUME   485510.032 3753522.866 499.76
   LOCATION L0110566     VOLUME   485509.996 3753489.030 498.40
   LOCATION L0110567     VOLUME   485509.959 3753455.194 498.00
   LOCATION L0110568     VOLUME   485509.922 3753421.357 498.00
   LOCATION L0110569     VOLUME   485509.886 3753387.521 497.31
   LOCATION L0110570     VOLUME   485509.849 3753353.685 496.79
   LOCATION L0110571     VOLUME   485509.812 3753319.849 495.55
   LOCATION L0110572     VOLUME   485509.776 3753286.013 494.19
   LOCATION L0110573     VOLUME   485509.739 3753252.177 493.86
   LOCATION L0110574     VOLUME   485509.702 3753218.341 494.72
   LOCATION L0110575     VOLUME   485509.666 3753184.505 494.15
   LOCATION L0110576     VOLUME   485509.629 3753150.669 491.74
   LOCATION L0110577     VOLUME   485509.592 3753116.833 490.76
   LOCATION L0110578     VOLUME   485509.556 3753082.997 491.58
** END OF LINE VOLUME SOURCE ID = SEGMENT11
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT12
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.00917
** ELEVATED
** VERTICAL DIMENSION = 1.10
** SZINIT = 0.26
** NODES = 2
** 485533.45, 3755091.71, 532.00, 1.10, 15.63
** 485515.75, 3754268.39, 515.00, 1.10, 15.63
** ---------------------------------------------------------------------
   LOCATION L0110579     VOLUME   485533.265 3755083.180 531.19
   LOCATION L0110580     VOLUME   485532.543 3755049.586 528.80
   LOCATION L0110581     VOLUME   485531.821 3755015.992 528.21
   LOCATION L0110582     VOLUME   485531.099 3754982.399 528.02
   LOCATION L0110583     VOLUME   485530.377 3754948.805 526.65
   LOCATION L0110584     VOLUME   485529.654 3754915.211 525.38
   LOCATION L0110585     VOLUME   485528.932 3754881.617 522.89
   LOCATION L0110586     VOLUME   485528.210 3754848.023 520.45
   LOCATION L0110587     VOLUME   485527.488 3754814.429 523.22
   LOCATION L0110588     VOLUME   485526.766 3754780.835 526.04
   LOCATION L0110589     VOLUME   485526.044 3754747.241 526.70
   LOCATION L0110590     VOLUME   485525.321 3754713.647 524.19
   LOCATION L0110591     VOLUME   485524.599 3754680.053 521.85
   LOCATION L0110592     VOLUME   485523.877 3754646.460 521.76
   LOCATION L0110593     VOLUME   485523.155 3754612.866 522.11
   LOCATION L0110594     VOLUME   485522.433 3754579.272 522.18
   LOCATION L0110595     VOLUME   485521.711 3754545.678 519.09
   LOCATION L0110596     VOLUME   485520.988 3754512.084 515.25
   LOCATION L0110597     VOLUME   485520.266 3754478.490 514.73
   LOCATION L0110598     VOLUME   485519.544 3754444.896 516.68
   LOCATION L0110599     VOLUME   485518.822 3754411.302 517.04
   LOCATION L0110600     VOLUME   485518.100 3754377.708 515.99
   LOCATION L0110601     VOLUME   485517.378 3754344.114 515.07
   LOCATION L0110602     VOLUME   485516.655 3754310.520 515.00
   LOCATION L0110603     VOLUME   485515.933 3754276.927 514.56
** END OF LINE VOLUME SOURCE ID = SEGMENT12
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT14
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0154
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** ELEVATED
** VERTICAL DIMENSION = 1.60
** SZINIT = 0.37
** NODES = 2
** 485503.72, 3755054.30, 532.00, 1.60, 23.83
** 486400.84, 3755050.67, 532.00, 1.60, 23.83
** ---------------------------------------------------------------------
   LOCATION L0110604     VOLUME   485516.820 3755054.250 529.90
   LOCATION L0110605     VOLUME   485568.051 3755054.043 528.58
   LOCATION L0110606     VOLUME   485619.281 3755053.835 530.77
   LOCATION L0110607     VOLUME   485670.512 3755053.628 532.50
   LOCATION L0110608     VOLUME   485721.742 3755053.421 534.25
   LOCATION L0110609     VOLUME   485772.972 3755053.213 531.14
   LOCATION L0110610     VOLUME   485824.203 3755053.006 529.49
   LOCATION L0110611     VOLUME   485875.433 3755052.798 529.85
   LOCATION L0110612     VOLUME   485926.663 3755052.591 530.93
   LOCATION L0110613     VOLUME   485977.894 3755052.384 529.69
   LOCATION L0110614     VOLUME   486029.124 3755052.176 529.39
   LOCATION L0110615     VOLUME   486080.355 3755051.969 529.54
   LOCATION L0110616     VOLUME   486131.585 3755051.761 529.54
   LOCATION L0110617     VOLUME   486182.815 3755051.554 530.26
   LOCATION L0110618     VOLUME   486234.046 3755051.346 527.40
   LOCATION L0110619     VOLUME   486285.276 3755051.139 527.00
   LOCATION L0110620     VOLUME   486336.506 3755050.932 526.50
   LOCATION L0110621     VOLUME   486387.737 3755050.724 527.33
** END OF LINE VOLUME SOURCE ID = SEGMENT14
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT15
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.00951
** ELEVATED
** VERTICAL DIMENSION = 1.80
** SZINIT = 0.42
** NODES = 2
** 486385.45, 3755051.87, 530.00, 1.80, 23.51
** 487119.32, 3755045.18, 533.00, 1.80, 23.51
** ---------------------------------------------------------------------
   LOCATION L0110622     VOLUME   486398.558 3755051.755 528.14
   LOCATION L0110623     VOLUME   486449.105 3755051.294 531.34
   LOCATION L0110624     VOLUME   486499.652 3755050.833 529.71
   LOCATION L0110625     VOLUME   486550.198 3755050.372 528.00
   LOCATION L0110626     VOLUME   486600.745 3755049.911 527.01
   LOCATION L0110627     VOLUME   486651.292 3755049.450 527.31
   LOCATION L0110628     VOLUME   486701.838 3755048.989 529.15
   LOCATION L0110629     VOLUME   486752.385 3755048.528 530.26
   LOCATION L0110630     VOLUME   486802.931 3755048.067 529.24
   LOCATION L0110631     VOLUME   486853.478 3755047.607 526.51
   LOCATION L0110632     VOLUME   486904.025 3755047.146 529.44
   LOCATION L0110633     VOLUME   486954.571 3755046.685 527.58
   LOCATION L0110634     VOLUME   487005.118 3755046.224 526.31
   LOCATION L0110635     VOLUME   487055.665 3755045.763 527.00
   LOCATION L0110636     VOLUME   487106.211 3755045.302 527.92
** END OF LINE VOLUME SOURCE ID = SEGMENT15
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT18
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.00614
** ELEVATED
** VERTICAL DIMENSION = 1.70
** SZINIT = 0.40
** NODES = 5
** 487138.06, 3755042.91, 533.00, 1.70, 23.38
** 487300.89, 3755033.99, 529.00, 1.70, 23.38
** 487535.10, 3754996.07, 529.00, 1.70, 23.38
** 487711.32, 3755000.53, 525.00, 1.70, 23.38
** 487907.61, 3754947.00, 526.00, 1.70, 23.38
** ---------------------------------------------------------------------
   LOCATION L0110637     VOLUME   487151.146 3755042.194 530.63
   LOCATION L0110638     VOLUME   487201.328 3755039.444 528.00
   LOCATION L0110639     VOLUME   487251.510 3755036.694 528.53
   LOCATION L0110640     VOLUME   487301.683 3755033.861 528.59
   LOCATION L0110641     VOLUME   487351.295 3755025.828 526.03
   LOCATION L0110642     VOLUME   487400.906 3755017.796 524.56
   LOCATION L0110643     VOLUME   487450.518 3755009.764 524.36
   LOCATION L0110644     VOLUME   487500.129 3755001.731 526.00
   LOCATION L0110645     VOLUME   487549.926 3754996.444 528.33
   LOCATION L0110646     VOLUME   487600.167 3754997.716 529.25
   LOCATION L0110647     VOLUME   487650.409 3754998.988 526.24
   LOCATION L0110648     VOLUME   487700.650 3755000.260 522.97
   LOCATION L0110649     VOLUME   487749.509 3754990.115 522.29
   LOCATION L0110650     VOLUME   487797.996 3754976.891 523.27
   LOCATION L0110651     VOLUME   487846.482 3754963.667 524.09
   LOCATION L0110652     VOLUME   487894.969 3754950.444 525.82
** END OF LINE VOLUME SOURCE ID = SEGMENT18
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT18A
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.00167
** ELEVATED
** VERTICAL DIMENSION = 1.60
** SZINIT = 0.37
** NODES = 5
** 487908.51, 3754945.43, 526.00, 1.60, 24.10
** 488040.12, 3754869.59, 520.00, 1.60, 24.10
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** 488173.95, 3754769.21, 522.00, 1.60, 24.10
** 488301.10, 3754733.52, 523.00, 1.60, 24.10
** 488497.39, 3754720.14, 526.00, 1.60, 24.10
** ---------------------------------------------------------------------
   LOCATION L0110653     VOLUME   487919.867 3754938.887 524.63
   LOCATION L0110654     VOLUME   487964.761 3754913.016 521.91
   LOCATION L0110655     VOLUME   488009.655 3754887.144 519.81
   LOCATION L0110656     VOLUME   488053.443 3754859.596 519.44
   LOCATION L0110657     VOLUME   488094.895 3754828.507 519.17
   LOCATION L0110658     VOLUME   488136.347 3754797.418 520.48
   LOCATION L0110659     VOLUME   488178.582 3754767.914 521.23
   LOCATION L0110660     VOLUME   488228.469 3754753.911 522.90
   LOCATION L0110661     VOLUME   488278.356 3754739.908 523.05
   LOCATION L0110662     VOLUME   488329.227 3754731.607 521.54
   LOCATION L0110663     VOLUME   488380.922 3754728.082 523.90
   LOCATION L0110664     VOLUME   488432.617 3754724.557 527.97
   LOCATION L0110665     VOLUME   488484.312 3754721.033 524.82
** END OF LINE VOLUME SOURCE ID = SEGMENT18A
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT19
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0276
** ELEVATED
** VERTICAL DIMENSION = 1.70
** SZINIT = 0.40
** NODES = 6
** 487121.55, 3754448.99, 511.00, 1.70, 17.64
** 487583.28, 3754424.46, 510.00, 1.70, 17.64
** 487714.88, 3754428.92, 512.00, 1.70, 17.64
** 487795.18, 3754451.22, 513.00, 1.70, 17.64
** 488303.76, 3754442.30, 511.00, 1.70, 17.64
** 488433.13, 3754346.39, 506.00, 1.70, 17.64
** ---------------------------------------------------------------------
   LOCATION L0110666     VOLUME   487131.288 3754448.475 506.58
   LOCATION L0110667     VOLUME   487169.165 3754446.462 506.00
   LOCATION L0110668     VOLUME   487207.043 3754444.450 508.12
   LOCATION L0110669     VOLUME   487244.921 3754442.437 509.08
   LOCATION L0110670     VOLUME   487282.799 3754440.424 509.78
   LOCATION L0110671     VOLUME   487320.677 3754438.411 509.05
   LOCATION L0110672     VOLUME   487358.555 3754436.398 509.37
   LOCATION L0110673     VOLUME   487396.433 3754434.385 510.45
   LOCATION L0110674     VOLUME   487434.310 3754432.373 509.94
   LOCATION L0110675     VOLUME   487472.188 3754430.360 509.38
   LOCATION L0110676     VOLUME   487510.066 3754428.347 509.95
   LOCATION L0110677     VOLUME   487547.944 3754426.334 510.22
   LOCATION L0110678     VOLUME   487585.824 3754424.543 509.56
   LOCATION L0110679     VOLUME   487623.733 3754425.828 510.12
   LOCATION L0110680     VOLUME   487661.643 3754427.113 510.71
   LOCATION L0110681     VOLUME   487699.553 3754428.398 510.44
   LOCATION L0110682     VOLUME   487736.651 3754434.965 510.81
   LOCATION L0110683     VOLUME   487773.198 3754445.117 510.41
   LOCATION L0110684     VOLUME   487810.295 3754450.958 509.88
   LOCATION L0110685     VOLUME   487848.220 3754450.293 509.77
   LOCATION L0110686     VOLUME   487886.146 3754449.628 508.53
   LOCATION L0110687     VOLUME   487924.071 3754448.962 507.74
   LOCATION L0110688     VOLUME   487961.997 3754448.297 508.40
   LOCATION L0110689     VOLUME   487999.922 3754447.632 509.00
   LOCATION L0110690     VOLUME   488037.848 3754446.966 508.07
   LOCATION L0110691     VOLUME   488075.773 3754446.301 507.15
   LOCATION L0110692     VOLUME   488113.698 3754445.635 508.18
   LOCATION L0110693     VOLUME   488151.624 3754444.970 508.31
   LOCATION L0110694     VOLUME   488189.549 3754444.305 509.27
   LOCATION L0110695     VOLUME   488227.475 3754443.639 510.36
   LOCATION L0110696     VOLUME   488265.400 3754442.974 510.66
   LOCATION L0110697     VOLUME   488303.326 3754442.309 510.94
   LOCATION L0110698     VOLUME   488333.881 3754419.967 509.27
   LOCATION L0110699     VOLUME   488364.352 3754397.376 506.49
   LOCATION L0110700     VOLUME   488394.822 3754374.786 504.46
   LOCATION L0110701     VOLUME   488425.293 3754352.196 504.99
** END OF LINE VOLUME SOURCE ID = SEGMENT19
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT20
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.00389
** ELEVATED
** VERTICAL DIMENSION = 1.40
** SZINIT = 0.33
** NODES = 3
** 488428.67, 3754348.62, 506.00, 1.40, 18.04
** 488457.67, 3754308.47, 506.00, 1.40, 18.04
** 488457.67, 3753291.32, 483.00, 1.40, 18.04
** ---------------------------------------------------------------------
   LOCATION L0110702     VOLUME   488434.379 3754340.708 505.31
   LOCATION L0110703     VOLUME   488457.087 3754309.267 506.00
   LOCATION L0110704     VOLUME   488457.666 3754270.671 506.00
   LOCATION L0110705     VOLUME   488457.666 3754231.887 505.06
   LOCATION L0110706     VOLUME   488457.666 3754193.103 501.00
   LOCATION L0110707     VOLUME   488457.666 3754154.319 501.52
   LOCATION L0110708     VOLUME   488457.666 3754115.535 503.63
   LOCATION L0110709     VOLUME   488457.666 3754076.751 502.89
   LOCATION L0110710     VOLUME   488457.666 3754037.968 502.00
   LOCATION L0110711     VOLUME   488457.666 3753999.184 502.00
   LOCATION L0110712     VOLUME   488457.666 3753960.400 502.00
   LOCATION L0110713     VOLUME   488457.666 3753921.616 500.44
   LOCATION L0110714     VOLUME   488457.666 3753882.832 498.43
   LOCATION L0110715     VOLUME   488457.666 3753844.049 497.13
   LOCATION L0110716     VOLUME   488457.666 3753805.265 496.84
   LOCATION L0110717     VOLUME   488457.666 3753766.481 496.00
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   LOCATION L0110718     VOLUME   488457.666 3753727.697 495.26
   LOCATION L0110719     VOLUME   488457.666 3753688.913 493.93
   LOCATION L0110720     VOLUME   488457.666 3753650.130 491.01
   LOCATION L0110721     VOLUME   488457.666 3753611.346 488.38
   LOCATION L0110722     VOLUME   488457.666 3753572.562 488.00
   LOCATION L0110723     VOLUME   488457.666 3753533.778 488.00
   LOCATION L0110724     VOLUME   488457.666 3753494.994 488.00
   LOCATION L0110725     VOLUME   488457.666 3753456.211 487.21
   LOCATION L0110726     VOLUME   488457.666 3753417.427 485.91
   LOCATION L0110727     VOLUME   488457.666 3753378.643 485.38
   LOCATION L0110728     VOLUME   488457.666 3753339.859 483.99
   LOCATION L0110729     VOLUME   488457.666 3753301.075 482.04
** END OF LINE VOLUME SOURCE ID = SEGMENT20
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT21
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.029
** ELEVATED
** VERTICAL DIMENSION = 1.70
** SZINIT = 0.40
** NODES = 2
** 487098.48, 3753294.03, 491.00, 1.70, 22.81
** 487762.08, 3753289.01, 485.00, 1.70, 22.81
** ----------------------------------------------------------------------
   LOCATION L0110730     VOLUME   487111.587 3753293.935 488.95
   LOCATION L0110731     VOLUME   487160.618 3753293.563 488.00
   LOCATION L0110732     VOLUME   487209.648 3753293.192 486.28
   LOCATION L0110733     VOLUME   487258.678 3753292.820 484.53
   LOCATION L0110734     VOLUME   487307.708 3753292.449 486.78
   LOCATION L0110735     VOLUME   487356.738 3753292.077 488.33
   LOCATION L0110736     VOLUME   487405.769 3753291.706 488.58
   LOCATION L0110737     VOLUME   487454.799 3753291.335 487.15
   LOCATION L0110738     VOLUME   487503.829 3753290.963 486.39
   LOCATION L0110739     VOLUME   487552.859 3753290.592 487.28
   LOCATION L0110740     VOLUME   487601.890 3753290.220 486.63
   LOCATION L0110741     VOLUME   487650.920 3753289.849 486.21
   LOCATION L0110742     VOLUME   487699.950 3753289.477 482.33
   LOCATION L0110743     VOLUME   487748.980 3753289.106 483.13
** END OF LINE VOLUME SOURCE ID = SEGMENT21
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT22
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0328
** ELEVATED
** VERTICAL DIMENSION = 1.60
** SZINIT = 0.37
** NODES = 2
** 487752.03, 3753289.01, 485.00, 1.60, 24.24
** 488455.85, 3753289.01, 483.00, 1.60, 24.24
** ----------------------------------------------------------------------
   LOCATION L0110744     VOLUME   487765.135 3753289.007 484.00
   LOCATION L0110745     VOLUME   487817.259 3753289.007 485.27
   LOCATION L0110746     VOLUME   487869.383 3753289.007 483.15
   LOCATION L0110747     VOLUME   487921.507 3753289.007 482.97
   LOCATION L0110748     VOLUME   487973.631 3753289.007 484.84
   LOCATION L0110749     VOLUME   488025.755 3753289.007 485.63
   LOCATION L0110750     VOLUME   488077.879 3753289.007 485.37
   LOCATION L0110751     VOLUME   488130.002 3753289.007 485.63
   LOCATION L0110752     VOLUME   488182.126 3753289.007 485.63
   LOCATION L0110753     VOLUME   488234.250 3753289.007 486.33
   LOCATION L0110754     VOLUME   488286.374 3753289.007 484.87
   LOCATION L0110755     VOLUME   488338.498 3753289.007 484.37
   LOCATION L0110756     VOLUME   488390.622 3753289.007 484.55
   LOCATION L0110757     VOLUME   488442.746 3753289.007 483.27
** END OF LINE VOLUME SOURCE ID = SEGMENT22
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT23
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0744
** ELEVATED
** VERTICAL DIMENSION = 1.10
** SZINIT = 0.26
** NODES = 2
** 488445.80, 3753299.06, 484.00, 1.10, 18.10
** 488450.82, 3752851.63, 480.00, 1.10, 18.10
** ----------------------------------------------------------------------
   LOCATION L0110758     VOLUME   488445.906 3753289.307 481.64
   LOCATION L0110759     VOLUME   488446.343 3753250.405 481.00
   LOCATION L0110760     VOLUME   488446.780 3753211.503 480.05
   LOCATION L0110761     VOLUME   488447.217 3753172.601 479.00
   LOCATION L0110762     VOLUME   488447.654 3753133.700 478.46
   LOCATION L0110763     VOLUME   488448.091 3753094.798 478.00
   LOCATION L0110764     VOLUME   488448.528 3753055.896 477.00
   LOCATION L0110765     VOLUME   488448.966 3753016.994 477.00
   LOCATION L0110766     VOLUME   488449.403 3752978.092 477.73
   LOCATION L0110767     VOLUME   488449.840 3752939.190 478.97
   LOCATION L0110768     VOLUME   488450.277 3752900.289 478.00
   LOCATION L0110769     VOLUME   488450.714 3752861.387 478.00
** END OF LINE VOLUME SOURCE ID = SEGMENT23
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT24
** DESCRSRC
** PREFIX
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** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0251
** ELEVATED
** VERTICAL DIMENSION = 1.50
** SZINIT = 0.35
** NODES = 2
** 488450.82, 3753299.06, 483.00, 1.50, 23.53
** 489893.66, 3753294.03, 493.00, 1.50, 23.53
** ---------------------------------------------------------------------
   LOCATION L0110770     VOLUME   488463.928 3753299.016 481.83
   LOCATION L0110771     VOLUME   488514.522 3753298.839 480.92
   LOCATION L0110772     VOLUME   488565.116 3753298.663 482.30
   LOCATION L0110773     VOLUME   488615.709 3753298.487 484.06
   LOCATION L0110774     VOLUME   488666.303 3753298.310 483.24
   LOCATION L0110775     VOLUME   488716.897 3753298.134 482.04
   LOCATION L0110776     VOLUME   488767.490 3753297.958 482.14
   LOCATION L0110777     VOLUME   488818.084 3753297.782 481.14
   LOCATION L0110778     VOLUME   488868.678 3753297.605 482.05
   LOCATION L0110779     VOLUME   488919.271 3753297.429 483.39
   LOCATION L0110780     VOLUME   488969.865 3753297.253 485.90
   LOCATION L0110781     VOLUME   489020.459 3753297.076 484.22
   LOCATION L0110782     VOLUME   489071.052 3753296.900 484.83
   LOCATION L0110783     VOLUME   489121.646 3753296.724 484.90
   LOCATION L0110784     VOLUME   489172.240 3753296.548 486.48
   LOCATION L0110785     VOLUME   489222.833 3753296.371 491.61
   LOCATION L0110786     VOLUME   489273.427 3753296.195 494.43
   LOCATION L0110787     VOLUME   489324.020 3753296.019 490.50
   LOCATION L0110788     VOLUME   489374.614 3753295.842 489.14
   LOCATION L0110789     VOLUME   489425.208 3753295.666 490.32
   LOCATION L0110790     VOLUME   489475.801 3753295.490 490.16
   LOCATION L0110791     VOLUME   489526.395 3753295.314 490.47
   LOCATION L0110792     VOLUME   489576.989 3753295.137 493.03
   LOCATION L0110793     VOLUME   489627.582 3753294.961 493.36
   LOCATION L0110794     VOLUME   489678.176 3753294.785 495.58
   LOCATION L0110795     VOLUME   489728.770 3753294.608 496.83
   LOCATION L0110796     VOLUME   489779.363 3753294.432 493.43
   LOCATION L0110797     VOLUME   489829.957 3753294.256 489.16
   LOCATION L0110798     VOLUME   489880.551 3753294.080 491.63
** END OF LINE VOLUME SOURCE ID = SEGMENT24
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT25
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.00951
** ELEVATED
** VERTICAL DIMENSION = 1.70
** SZINIT = 0.40
** NODES = 3
** 489888.63, 3753289.01, 493.00, 1.70, 22.24
** 489959.01, 3753319.17, 494.00, 1.70, 22.24
** 490099.77, 3753444.85, 504.00, 1.70, 22.24
** ---------------------------------------------------------------------
   LOCATION L0110799     VOLUME   489900.674 3753294.169 492.82
   LOCATION L0110800     VOLUME   489944.622 3753313.004 493.72
   LOCATION L0110801     VOLUME   489983.000 3753340.589 494.27
   LOCATION L0110802     VOLUME   490018.666 3753372.434 497.34
   LOCATION L0110803     VOLUME   490054.332 3753404.279 500.62
   LOCATION L0110804     VOLUME   490089.999 3753436.124 502.51
** END OF LINE VOLUME SOURCE ID = SEGMENT25
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT26
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0601
** ELEVATED
** VERTICAL DIMENSION = 1.10
** SZINIT = 0.26
** NODES = 2
** 489898.68, 3753289.01, 493.00, 1.10, 15.51
** 489903.71, 3752871.74, 482.00, 1.10, 15.51
** ---------------------------------------------------------------------
   LOCATION L0110805     VOLUME   489898.786 3753280.472 492.29
   LOCATION L0110806     VOLUME   489899.187 3753247.123 490.45
   LOCATION L0110807     VOLUME   489899.589 3753213.773 488.25
   LOCATION L0110808     VOLUME   489899.991 3753180.423 487.01
   LOCATION L0110809     VOLUME   489900.393 3753147.074 488.28
   LOCATION L0110810     VOLUME   489900.795 3753113.724 490.99
   LOCATION L0110811     VOLUME   489901.196 3753080.374 490.63
   LOCATION L0110812     VOLUME   489901.598 3753047.024 489.03
   LOCATION L0110813     VOLUME   489902.000 3753013.675 487.32
   LOCATION L0110814     VOLUME   489902.402 3752980.325 486.24
   LOCATION L0110815     VOLUME   489902.804 3752946.975 484.59
   LOCATION L0110816     VOLUME   489903.205 3752913.626 482.46
   LOCATION L0110817     VOLUME   489903.607 3752880.276 480.38
** END OF LINE VOLUME SOURCE ID = SEGMENT26
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT27
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0379
** ELEVATED
** VERTICAL DIMENSION = 1.10
** SZINIT = 0.26
** NODES = 2
** 489908.74, 3752866.71, 482.00, 1.10, 15.35
** 490255.62, 3752876.77, 483.00, 1.10, 15.35
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** ----------------------------------------------------------------------
   LOCATION L0110818     VOLUME   489917.269 3752866.962 481.66
   LOCATION L0110819     VOLUME   489950.251 3752867.918 483.00
   LOCATION L0110820     VOLUME   489983.233 3752868.874 484.03
   LOCATION L0110821     VOLUME   490016.215 3752869.830 484.90
   LOCATION L0110822     VOLUME   490049.197 3752870.786 486.05
   LOCATION L0110823     VOLUME   490082.179 3752871.742 485.72
   LOCATION L0110824     VOLUME   490115.161 3752872.698 485.89
   LOCATION L0110825     VOLUME   490148.143 3752873.654 486.58
   LOCATION L0110826     VOLUME   490181.125 3752874.610 486.03
   LOCATION L0110827     VOLUME   490214.107 3752875.566 484.13
   LOCATION L0110828     VOLUME   490247.089 3752876.522 482.55
** END OF LINE VOLUME SOURCE ID = SEGMENT27
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT28
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0166
** ELEVATED
** VERTICAL DIMENSION = 1.70
** SZINIT = 0.40
** NODES = 3
** 488445.80, 3752856.66, 479.00, 1.70, 15.60
** 489023.93, 3752886.82, 482.00, 1.70, 15.60
** 489903.71, 3752871.74, 482.00, 1.70, 15.60
** ----------------------------------------------------------------------
   LOCATION L0110829     VOLUME   488454.320 3752857.104 478.00
   LOCATION L0110830     VOLUME   488487.803 3752858.851 478.65
   LOCATION L0110831     VOLUME   488521.287 3752860.598 477.56
   LOCATION L0110832     VOLUME   488554.771 3752862.345 475.49
   LOCATION L0110833     VOLUME   488588.255 3752864.092 475.28
   LOCATION L0110834     VOLUME   488621.738 3752865.839 476.58
   LOCATION L0110835     VOLUME   488655.222 3752867.586 478.01
   LOCATION L0110836     VOLUME   488688.706 3752869.333 478.46
   LOCATION L0110837     VOLUME   488722.190 3752871.080 477.56
   LOCATION L0110838     VOLUME   488755.673 3752872.827 477.44
   LOCATION L0110839     VOLUME   488789.157 3752874.574 478.33
   LOCATION L0110840     VOLUME   488822.641 3752876.321 478.23
   LOCATION L0110841     VOLUME   488856.125 3752878.068 478.05
   LOCATION L0110842     VOLUME   488889.608 3752879.815 478.00
   LOCATION L0110843     VOLUME   488923.092 3752881.562 477.67
   LOCATION L0110844     VOLUME   488956.576 3752883.309 478.20
   LOCATION L0110845     VOLUME   488990.060 3752885.056 479.67
   LOCATION L0110846     VOLUME   489023.543 3752886.803 481.39
   LOCATION L0110847     VOLUME   489057.067 3752886.256 482.69
   LOCATION L0110848     VOLUME   489090.592 3752885.681 481.79
   LOCATION L0110849     VOLUME   489124.116 3752885.106 480.72
   LOCATION L0110850     VOLUME   489157.640 3752884.531 479.78
   LOCATION L0110851     VOLUME   489191.165 3752883.957 478.81
   LOCATION L0110852     VOLUME   489224.689 3752883.382 478.66
   LOCATION L0110853     VOLUME   489258.213 3752882.807 479.70
   LOCATION L0110854     VOLUME   489291.738 3752882.233 480.07
   LOCATION L0110855     VOLUME   489325.262 3752881.658 480.06
   LOCATION L0110856     VOLUME   489358.787 3752881.083 480.07
   LOCATION L0110857     VOLUME   489392.311 3752880.508 480.03
   LOCATION L0110858     VOLUME   489425.835 3752879.934 480.19
   LOCATION L0110859     VOLUME   489459.360 3752879.359 481.26
   LOCATION L0110860     VOLUME   489492.884 3752878.784 481.90
   LOCATION L0110861     VOLUME   489526.408 3752878.210 481.91
   LOCATION L0110862     VOLUME   489559.933 3752877.635 482.48
   LOCATION L0110863     VOLUME   489593.457 3752877.060 483.49
   LOCATION L0110864     VOLUME   489626.981 3752876.486 484.65
   LOCATION L0110865     VOLUME   489660.506 3752875.911 484.85
   LOCATION L0110866     VOLUME   489694.030 3752875.336 483.84
   LOCATION L0110867     VOLUME   489727.555 3752874.761 484.12
   LOCATION L0110868     VOLUME   489761.079 3752874.187 485.30
   LOCATION L0110869     VOLUME   489794.603 3752873.612 484.92
   LOCATION L0110870     VOLUME   489828.128 3752873.037 482.79
   LOCATION L0110871     VOLUME   489861.652 3752872.463 480.74
   LOCATION L0110872     VOLUME   489895.176 3752871.888 480.27
** END OF LINE VOLUME SOURCE ID = SEGMENT28
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT29
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 10.10
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0243
** ELEVATED
** VERTICAL DIMENSION = 1.60
** SZINIT = 0.37
** NODES = 2
** 488254.11, 3755298.30, 548.00, 1.60, 9.20
** 488465.26, 3754775.46, 527.00, 1.60, 9.20
** ----------------------------------------------------------------------
   LOCATION L0110873     VOLUME   488256.001 3755293.618 547.91
   LOCATION L0110874     VOLUME   488263.407 3755275.280 547.76
   LOCATION L0110875     VOLUME   488270.813 3755256.941 547.00
   LOCATION L0110876     VOLUME   488278.219 3755238.603 546.11
   LOCATION L0110877     VOLUME   488285.625 3755220.265 545.58
   LOCATION L0110878     VOLUME   488293.031 3755201.926 546.30
   LOCATION L0110879     VOLUME   488300.437 3755183.588 546.55
   LOCATION L0110880     VOLUME   488307.843 3755165.250 546.07
   LOCATION L0110881     VOLUME   488315.248 3755146.911 545.50
   LOCATION L0110882     VOLUME   488322.654 3755128.573 544.24
   LOCATION L0110883     VOLUME   488330.060 3755110.235 541.81
   LOCATION L0110884     VOLUME   488337.466 3755091.896 539.27
   LOCATION L0110885     VOLUME   488344.872 3755073.558 537.21
   LOCATION L0110886     VOLUME   488352.278 3755055.220 535.11
   LOCATION L0110887     VOLUME   488359.684 3755036.881 533.03
   LOCATION L0110888     VOLUME   488367.089 3755018.543 531.46
   LOCATION L0110889     VOLUME   488374.495 3755000.205 530.12
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   LOCATION L0110890     VOLUME   488381.901 3754981.866 528.93
   LOCATION L0110891     VOLUME   488389.307 3754963.528 527.84
   LOCATION L0110892     VOLUME   488396.713 3754945.190 527.02
   LOCATION L0110893     VOLUME   488404.119 3754926.851 527.91
   LOCATION L0110894     VOLUME   488411.525 3754908.513 527.77
   LOCATION L0110895     VOLUME   488418.930 3754890.175 527.27
   LOCATION L0110896     VOLUME   488426.336 3754871.837 526.62
   LOCATION L0110897     VOLUME   488433.742 3754853.498 525.57
   LOCATION L0110898     VOLUME   488441.148 3754835.160 524.34
   LOCATION L0110899     VOLUME   488448.554 3754816.822 526.00
   LOCATION L0110900     VOLUME   488455.960 3754798.483 526.05
   LOCATION L0110901     VOLUME   488463.366 3754780.145 526.51
** END OF LINE VOLUME SOURCE ID = SEGMENT29
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT30
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 10.10
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.069
** ELEVATED
** VERTICAL DIMENSION = 1.70
** SZINIT = 0.40
** NODES = 4
** 488465.58, 3754780.49, 527.00, 1.70, 9.32
** 488732.03, 3754307.92, 516.00, 1.70, 9.32
** 488963.28, 3754116.89, 511.00, 1.70, 9.32
** 490099.45, 3753423.12, 503.00, 1.70, 9.32
** ----------------------------------------------------------------------
   LOCATION L0110902     VOLUME   488468.061 3754776.091 526.37
   LOCATION L0110903     VOLUME   488477.900 3754758.640 525.96
   LOCATION L0110904     VOLUME   488487.740 3754741.189 525.22
   LOCATION L0110905     VOLUME   488497.579 3754723.739 524.23
   LOCATION L0110906     VOLUME   488507.418 3754706.288 524.00
   LOCATION L0110907     VOLUME   488517.257 3754688.838 524.00
   LOCATION L0110908     VOLUME   488527.096 3754671.387 523.43
   LOCATION L0110909     VOLUME   488536.935 3754653.936 522.26
   LOCATION L0110910     VOLUME   488546.775 3754636.486 521.45
   LOCATION L0110911     VOLUME   488556.614 3754619.035 521.60
   LOCATION L0110912     VOLUME   488566.453 3754601.585 521.75
   LOCATION L0110913     VOLUME   488576.292 3754584.134 522.33
   LOCATION L0110914     VOLUME   488586.131 3754566.683 523.13
   LOCATION L0110915     VOLUME   488595.971 3754549.233 522.86
   LOCATION L0110916     VOLUME   488605.810 3754531.782 521.81
   LOCATION L0110917     VOLUME   488615.649 3754514.331 522.23
   LOCATION L0110918     VOLUME   488625.488 3754496.881 522.80
   LOCATION L0110919     VOLUME   488635.327 3754479.430 522.43
   LOCATION L0110920     VOLUME   488645.166 3754461.980 521.23
   LOCATION L0110921     VOLUME   488655.006 3754444.529 519.18
   LOCATION L0110922     VOLUME   488664.845 3754427.078 517.54
   LOCATION L0110923     VOLUME   488674.684 3754409.628 516.13
   LOCATION L0110924     VOLUME   488684.523 3754392.177 514.72
   LOCATION L0110925     VOLUME   488694.362 3754374.727 512.98
   LOCATION L0110926     VOLUME   488704.201 3754357.276 512.63
   LOCATION L0110927     VOLUME   488714.041 3754339.825 513.58
   LOCATION L0110928     VOLUME   488723.880 3754322.375 514.58
   LOCATION L0110929     VOLUME   488734.683 3754305.731 514.37
   LOCATION L0110930     VOLUME   488750.128 3754292.972 513.43
   LOCATION L0110931     VOLUME   488765.573 3754280.213 511.63
   LOCATION L0110932     VOLUME   488781.018 3754267.454 510.35
   LOCATION L0110933     VOLUME   488796.462 3754254.695 509.90
   LOCATION L0110934     VOLUME   488811.907 3754241.937 509.97
   LOCATION L0110935     VOLUME   488827.352 3754229.178 510.21
   LOCATION L0110936     VOLUME   488842.797 3754216.419 509.96
   LOCATION L0110937     VOLUME   488858.242 3754203.660 509.76
   LOCATION L0110938     VOLUME   488873.687 3754190.901 510.64
   LOCATION L0110939     VOLUME   488889.132 3754178.142 511.39
   LOCATION L0110940     VOLUME   488904.577 3754165.384 511.69
   LOCATION L0110941     VOLUME   488920.022 3754152.625 511.56
   LOCATION L0110942     VOLUME   488935.467 3754139.866 511.00
   LOCATION L0110943     VOLUME   488950.912 3754127.107 510.57
   LOCATION L0110944     VOLUME   488966.685 3754114.810 510.16
   LOCATION L0110945     VOLUME   488983.783 3754104.369 507.69
   LOCATION L0110946     VOLUME   489000.881 3754093.929 504.89
   LOCATION L0110947     VOLUME   489017.979 3754083.489 503.56
   LOCATION L0110948     VOLUME   489035.077 3754073.049 502.75
   LOCATION L0110949     VOLUME   489052.174 3754062.608 503.01
   LOCATION L0110950     VOLUME   489069.272 3754052.168 503.38
   LOCATION L0110951     VOLUME   489086.370 3754041.728 503.33
   LOCATION L0110952     VOLUME   489103.468 3754031.288 502.75
   LOCATION L0110953     VOLUME   489120.566 3754020.847 502.04
   LOCATION L0110954     VOLUME   489137.663 3754010.407 500.90
   LOCATION L0110955     VOLUME   489154.761 3753999.967 499.51
   LOCATION L0110956     VOLUME   489171.859 3753989.527 498.29
   LOCATION L0110957     VOLUME   489188.957 3753979.086 498.74
   LOCATION L0110958     VOLUME   489206.055 3753968.646 499.21
   LOCATION L0110959     VOLUME   489223.152 3753958.206 499.39
   LOCATION L0110960     VOLUME   489240.250 3753947.766 499.18
   LOCATION L0110961     VOLUME   489257.348 3753937.325 498.49
   LOCATION L0110962     VOLUME   489274.446 3753926.885 498.00
   LOCATION L0110963     VOLUME   489291.544 3753916.445 498.00
   LOCATION L0110964     VOLUME   489308.641 3753906.005 497.94
   LOCATION L0110965     VOLUME   489325.739 3753895.564 498.00
   LOCATION L0110966     VOLUME   489342.837 3753885.124 497.57
   LOCATION L0110967     VOLUME   489359.935 3753874.684 497.00
   LOCATION L0110968     VOLUME   489377.033 3753864.244 497.46
   LOCATION L0110969     VOLUME   489394.130 3753853.803 497.52
   LOCATION L0110970     VOLUME   489411.228 3753843.363 497.19
   LOCATION L0110971     VOLUME   489428.326 3753832.923 497.17
   LOCATION L0110972     VOLUME   489445.424 3753822.483 497.09
   LOCATION L0110973     VOLUME   489462.522 3753812.042 497.83
   LOCATION L0110974     VOLUME   489479.619 3753801.602 498.69
   LOCATION L0110975     VOLUME   489496.717 3753791.162 498.93
   LOCATION L0110976     VOLUME   489513.815 3753780.722 499.15
   LOCATION L0110977     VOLUME   489530.913 3753770.281 499.70
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   LOCATION L0110978     VOLUME   489548.011 3753759.841 499.91
   LOCATION L0110979     VOLUME   489565.108 3753749.401 499.98
   LOCATION L0110980     VOLUME   489582.206 3753738.961 500.04
   LOCATION L0110981     VOLUME   489599.304 3753728.520 500.26
   LOCATION L0110982     VOLUME   489616.402 3753718.080 500.93
   LOCATION L0110983     VOLUME   489633.500 3753707.640 500.81
   LOCATION L0110984     VOLUME   489650.597 3753697.200 500.24
   LOCATION L0110985     VOLUME   489667.695 3753686.759 499.56
   LOCATION L0110986     VOLUME   489684.793 3753676.319 498.64
   LOCATION L0110987     VOLUME   489701.891 3753665.879 499.31
   LOCATION L0110988     VOLUME   489718.988 3753655.439 500.90
   LOCATION L0110989     VOLUME   489736.086 3753644.998 502.34
   LOCATION L0110990     VOLUME   489753.184 3753634.558 503.15
   LOCATION L0110991     VOLUME   489770.282 3753624.118 502.80
   LOCATION L0110992     VOLUME   489787.380 3753613.678 502.57
   LOCATION L0110993     VOLUME   489804.477 3753603.238 502.20
   LOCATION L0110994     VOLUME   489821.575 3753592.797 501.52
   LOCATION L0110995     VOLUME   489838.673 3753582.357 500.82
   LOCATION L0110996     VOLUME   489855.771 3753571.917 501.11
   LOCATION L0110997     VOLUME   489872.869 3753561.477 502.19
   LOCATION L0110998     VOLUME   489889.966 3753551.036 503.33
   LOCATION L0110999     VOLUME   489907.064 3753540.596 504.24
   LOCATION L0111000     VOLUME   489924.162 3753530.156 504.09
   LOCATION L0111001     VOLUME   489941.260 3753519.716 503.77
   LOCATION L0111002     VOLUME   489958.358 3753509.275 502.90
   LOCATION L0111003     VOLUME   489975.455 3753498.835 501.70
   LOCATION L0111004     VOLUME   489992.553 3753488.395 500.88
   LOCATION L0111005     VOLUME   490009.651 3753477.955 500.59
   LOCATION L0111006     VOLUME   490026.749 3753467.514 500.58
   LOCATION L0111007     VOLUME   490043.847 3753457.074 500.24
   LOCATION L0111008     VOLUME   490060.944 3753446.634 500.80
   LOCATION L0111009     VOLUME   490078.042 3753436.194 501.90
   LOCATION L0111010     VOLUME   490095.140 3753425.753 502.60
** END OF LINE VOLUME SOURCE ID = SEGMENT30
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT31
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 10.10
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.00576
** ELEVATED
** VERTICAL DIMENSION = 1.90
** SZINIT = 0.44
** NODES = 3
** 490099.77, 3753444.85, 504.00, 1.90, 9.38
** 490652.78, 3753118.08, 492.00, 1.90, 9.38
** 491195.72, 3752374.04, 463.00, 1.90, 9.38
** ----------------------------------------------------------------------
   LOCATION L0111011     VOLUME   490104.122 3753442.284 503.40
   LOCATION L0111012     VOLUME   490121.489 3753432.021 503.63
   LOCATION L0111013     VOLUME   490138.857 3753421.758 502.32
   LOCATION L0111014     VOLUME   490156.224 3753411.496 502.36
   LOCATION L0111015     VOLUME   490173.592 3753401.233 502.17
   LOCATION L0111016     VOLUME   490190.959 3753390.971 501.12
   LOCATION L0111017     VOLUME   490208.326 3753380.708 500.55
   LOCATION L0111018     VOLUME   490225.694 3753370.446 500.81
   LOCATION L0111019     VOLUME   490243.061 3753360.183 501.44
   LOCATION L0111020     VOLUME   490260.428 3753349.921 501.30
   LOCATION L0111021     VOLUME   490277.796 3753339.658 499.46
   LOCATION L0111022     VOLUME   490295.163 3753329.396 497.80
   LOCATION L0111023     VOLUME   490312.530 3753319.133 496.61
   LOCATION L0111024     VOLUME   490329.898 3753308.871 495.69
   LOCATION L0111025     VOLUME   490347.265 3753298.608 494.96
   LOCATION L0111026     VOLUME   490364.633 3753288.345 495.10
   LOCATION L0111027     VOLUME   490382.000 3753278.083 495.35
   LOCATION L0111028     VOLUME   490399.367 3753267.820 495.69
   LOCATION L0111029     VOLUME   490416.735 3753257.558 496.45
   LOCATION L0111030     VOLUME   490434.102 3753247.295 496.34
   LOCATION L0111031     VOLUME   490451.469 3753237.033 495.44
   LOCATION L0111032     VOLUME   490468.837 3753226.770 493.75
   LOCATION L0111033     VOLUME   490486.204 3753216.508 491.88
   LOCATION L0111034     VOLUME   490503.572 3753206.245 490.76
   LOCATION L0111035     VOLUME   490520.939 3753195.983 489.83
   LOCATION L0111036     VOLUME   490538.306 3753185.720 489.24
   LOCATION L0111037     VOLUME   490555.674 3753175.458 488.85
   LOCATION L0111038     VOLUME   490573.041 3753165.195 489.38
   LOCATION L0111039     VOLUME   490590.408 3753154.933 490.19
   LOCATION L0111040     VOLUME   490607.776 3753144.670 491.19
   LOCATION L0111041     VOLUME   490625.143 3753134.407 491.91
   LOCATION L0111042     VOLUME   490642.510 3753124.145 491.35
   LOCATION L0111043     VOLUME   490657.639 3753111.415 489.45
   LOCATION L0111044     VOLUME   490669.530 3753095.120 487.10
   LOCATION L0111045     VOLUME   490681.421 3753078.825 485.60
   LOCATION L0111046     VOLUME   490693.313 3753062.529 485.05
   LOCATION L0111047     VOLUME   490705.204 3753046.234 484.47
   LOCATION L0111048     VOLUME   490717.095 3753029.938 484.23
   LOCATION L0111049     VOLUME   490728.986 3753013.643 483.74
   LOCATION L0111050     VOLUME   490740.878 3752997.347 482.76
   LOCATION L0111051     VOLUME   490752.769 3752981.052 480.99
   LOCATION L0111052     VOLUME   490764.660 3752964.756 478.83
   LOCATION L0111053     VOLUME   490776.552 3752948.461 477.94
   LOCATION L0111054     VOLUME   490788.443 3752932.165 478.07
   LOCATION L0111055     VOLUME   490800.334 3752915.870 478.20
   LOCATION L0111056     VOLUME   490812.225 3752899.574 477.16
   LOCATION L0111057     VOLUME   490824.117 3752883.279 475.50
   LOCATION L0111058     VOLUME   490836.008 3752866.983 474.13
   LOCATION L0111059     VOLUME   490847.899 3752850.688 473.05
   LOCATION L0111060     VOLUME   490859.791 3752834.392 473.00
   LOCATION L0111061     VOLUME   490871.682 3752818.097 473.00
   LOCATION L0111062     VOLUME   490883.573 3752801.802 473.00
   LOCATION L0111063     VOLUME   490895.464 3752785.506 472.85
   LOCATION L0111064     VOLUME   490907.356 3752769.211 472.31
   LOCATION L0111065     VOLUME   490919.247 3752752.915 471.99
   LOCATION L0111066     VOLUME   490931.138 3752736.620 472.37
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   LOCATION L0111067     VOLUME   490943.030 3752720.324 472.77
   LOCATION L0111068     VOLUME   490954.921 3752704.029 473.02
   LOCATION L0111069     VOLUME   490966.812 3752687.733 472.59
   LOCATION L0111070     VOLUME   490978.703 3752671.438 472.05
   LOCATION L0111071     VOLUME   490990.595 3752655.142 471.50
   LOCATION L0111072     VOLUME   491002.486 3752638.847 471.02
   LOCATION L0111073     VOLUME   491014.377 3752622.551 471.67
   LOCATION L0111074     VOLUME   491026.269 3752606.256 472.36
   LOCATION L0111075     VOLUME   491038.160 3752589.960 472.23
   LOCATION L0111076     VOLUME   491050.051 3752573.665 471.24
   LOCATION L0111077     VOLUME   491061.942 3752557.370 470.66
   LOCATION L0111078     VOLUME   491073.834 3752541.074 470.78
   LOCATION L0111079     VOLUME   491085.725 3752524.779 471.04
   LOCATION L0111080     VOLUME   491097.616 3752508.483 470.72
   LOCATION L0111081     VOLUME   491109.508 3752492.188 468.29
   LOCATION L0111082     VOLUME   491121.399 3752475.892 465.65
   LOCATION L0111083     VOLUME   491133.290 3752459.597 463.99
   LOCATION L0111084     VOLUME   491145.181 3752443.301 464.01
   LOCATION L0111085     VOLUME   491157.073 3752427.006 464.32
   LOCATION L0111086     VOLUME   491168.964 3752410.710 461.87
   LOCATION L0111087     VOLUME   491180.855 3752394.415 460.34
   LOCATION L0111088     VOLUME   491192.747 3752378.119 460.52
** END OF LINE VOLUME SOURCE ID = SEGMENT31
   LOCATION PHASE2       AREAPOLY   485955.126  3753354.752      492.230
** SOURCE PARAMETERS **
   SRCPARAM PHASE1        9.15E-09     3.400        11
   AREAVERT PHASE1       485577.456 3755020.364 485577.456 3753474.160
   AREAVERT PHASE1       485908.786 3753474.160 485923.846 3753288.414
   AREAVERT PHASE1       486892.734 3753283.394 487138.721 3753248.253
   AREAVERT PHASE1       488479.099 3753223.153 488464.038 3754287.423
   AREAVERT PHASE1       488107.608 3754729.196 487153.781 3754759.316
   AREAVERT PHASE1       487138.721 3755010.324
** LINE VOLUME SOURCE ID = SEGMENT01
   SRCPARAM L0110380     0.0080166667      1.70     27.35      0.40
   SRCPARAM L0110381     0.0080166667      1.70     27.35      0.40
   SRCPARAM L0110382     0.0080166667      1.70     27.35      0.40
   SRCPARAM L0110383     0.0080166667      1.70     27.35      0.40
   SRCPARAM L0110384     0.0080166667      1.70     27.35      0.40
   SRCPARAM L0110385     0.0080166667      1.70     27.35      0.40
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT02
   SRCPARAM L0110398          0.01      1.70     30.03      0.40
   SRCPARAM L0110399          0.01      1.70     30.03      0.40
   SRCPARAM L0110400          0.01      1.70     30.03      0.40
   SRCPARAM L0110401          0.01      1.70     30.03      0.40
   SRCPARAM L0110402          0.01      1.70     30.03      0.40
   SRCPARAM L0110403          0.01      1.70     30.03      0.40
   SRCPARAM L0110404          0.01      1.70     30.03      0.40
   SRCPARAM L0110405          0.01      1.70     30.03      0.40
   SRCPARAM L0110406          0.01      1.70     30.03      0.40
   SRCPARAM L0110407          0.01      1.70     30.03      0.40
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT03
   SRCPARAM L0110408     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110409     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110410     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110411     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110412     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110413     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110414     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110415     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110416     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110417     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110418     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110419     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110420     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110421     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110422     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110423     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110424     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110425     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110426     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110427     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110428     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110429     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110430     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110431     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110432     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110433     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110434     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110435     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110436     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110437     0.0022096774      1.70     18.01      0.40
   SRCPARAM L0110438     0.0022096774      1.70     18.01      0.40
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT04
   SRCPARAM L0110439      0.001172      1.70     17.72      0.40
   SRCPARAM L0110440      0.001172      1.70     17.72      0.40
   SRCPARAM L0110441      0.001172      1.70     17.72      0.40
   SRCPARAM L0110442      0.001172      1.70     17.72      0.40
   SRCPARAM L0110443      0.001172      1.70     17.72      0.40
   SRCPARAM L0110444      0.001172      1.70     17.72      0.40
   SRCPARAM L0110445      0.001172      1.70     17.72      0.40
   SRCPARAM L0110446      0.001172      1.70     17.72      0.40
   SRCPARAM L0110447      0.001172      1.70     17.72      0.40
   SRCPARAM L0110448      0.001172      1.70     17.72      0.40
   SRCPARAM L0110449      0.001172      1.70     17.72      0.40
   SRCPARAM L0110450      0.001172      1.70     17.72      0.40
   SRCPARAM L0110451      0.001172      1.70     17.72      0.40
   SRCPARAM L0110452      0.001172      1.70     17.72      0.40
   SRCPARAM L0110453      0.001172      1.70     17.72      0.40
   SRCPARAM L0110454      0.001172      1.70     17.72      0.40
   SRCPARAM L0110455      0.001172      1.70     17.72      0.40
   SRCPARAM L0110456      0.001172      1.70     17.72      0.40
   SRCPARAM L0110457      0.001172      1.70     17.72      0.40
   SRCPARAM L0110458      0.001172      1.70     17.72      0.40
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   SRCPARAM L0110459      0.001172      1.70     17.72      0.40
   SRCPARAM L0110460      0.001172      1.70     17.72      0.40
   SRCPARAM L0110461      0.001172      1.70     17.72      0.40
   SRCPARAM L0110462      0.001172      1.70     17.72      0.40
   SRCPARAM L0110463      0.001172      1.70     17.72      0.40
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT05
   SRCPARAM L0110464     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110465     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110466     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110467     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110468     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110469     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110470     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110471     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110472     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110473     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110474     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110475     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110476     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110477     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110478     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110479     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110480     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110481     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110482     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110483     0.0018761905      1.70     24.05      0.40
   SRCPARAM L0110484     0.0018761905      1.70     24.05      0.40
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT06
   SRCPARAM L0110485     0.0041421053      1.70     29.19      0.40
   SRCPARAM L0110486     0.0041421053      1.70     29.19      0.40
   SRCPARAM L0110487     0.0041421053      1.70     29.19      0.40
   SRCPARAM L0110488     0.0041421053      1.70     29.19      0.40
   SRCPARAM L0110489     0.0041421053      1.70     29.19      0.40
   SRCPARAM L0110490     0.0041421053      1.70     29.19      0.40
   SRCPARAM L0110491     0.0041421053      1.70     29.19      0.40
   SRCPARAM L0110492     0.0041421053      1.70     29.19      0.40
   SRCPARAM L0110493     0.0041421053      1.70     29.19      0.40
   SRCPARAM L0110494     0.0041421053      1.70     29.19      0.40
   SRCPARAM L0110495     0.0041421053      1.70     29.19      0.40
   SRCPARAM L0110496     0.0041421053      1.70     29.19      0.40
   SRCPARAM L0110497     0.0041421053      1.70     29.19      0.40
   SRCPARAM L0110498     0.0041421053      1.70     29.19      0.40
   SRCPARAM L0110499     0.0041421053      1.70     29.19      0.40
   SRCPARAM L0110500     0.0041421053      1.70     29.19      0.40
   SRCPARAM L0110501     0.0041421053      1.70     29.19      0.40
   SRCPARAM L0110502     0.0041421053      1.70     29.19      0.40
   SRCPARAM L0110503     0.0041421053      1.70     29.19      0.40
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT07
   SRCPARAM L0110504     0.0052111111      1.10     29.21      0.26
   SRCPARAM L0110505     0.0052111111      1.10     29.21      0.26
   SRCPARAM L0110506     0.0052111111      1.10     29.21      0.26
   SRCPARAM L0110507     0.0052111111      1.10     29.21      0.26
   SRCPARAM L0110508     0.0052111111      1.10     29.21      0.26
   SRCPARAM L0110509     0.0052111111      1.10     29.21      0.26
   SRCPARAM L0110510     0.0052111111      1.10     29.21      0.26
   SRCPARAM L0110511     0.0052111111      1.10     29.21      0.26
   SRCPARAM L0110512     0.0052111111      1.10     29.21      0.26
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT08
   SRCPARAM L0110513     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110514     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110515     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110516     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110517     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110518     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110519     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110520     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110521     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110522     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110523     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110524     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110525     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110526     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110527     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110528     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110529     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110530     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110531     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110532     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110533     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110534     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110535     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110536     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110537     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110538     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110539     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110540     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110541     0.0007966667      1.30     18.01      0.30
   SRCPARAM L0110542     0.0007966667      1.30     18.01      0.30
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT11
   SRCPARAM L0110543     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110544     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110545     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110546     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110547     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110548     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110549     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110550     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110551     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110552     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110553     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110554     -0.0001125      1.00     15.74      0.23
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   SRCPARAM L0110555     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110556     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110557     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110558     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110559     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110560     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110561     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110562     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110563     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110564     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110565     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110566     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110567     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110568     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110569     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110570     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110571     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110572     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110573     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110574     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110575     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110576     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110577     -0.0001125      1.00     15.74      0.23
   SRCPARAM L0110578     -0.0001125      1.00     15.74      0.23
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT12
   SRCPARAM L0110579     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110580     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110581     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110582     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110583     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110584     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110585     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110586     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110587     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110588     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110589     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110590     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110591     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110592     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110593     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110594     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110595     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110596     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110597     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110598     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110599     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110600     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110601     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110602     0.0003668      1.10     15.63      0.26
   SRCPARAM L0110603     0.0003668      1.10     15.63      0.26
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT14
   SRCPARAM L0110604     0.0008555556      1.60     23.83      0.37
   SRCPARAM L0110605     0.0008555556      1.60     23.83      0.37
   SRCPARAM L0110606     0.0008555556      1.60     23.83      0.37
   SRCPARAM L0110607     0.0008555556      1.60     23.83      0.37
   SRCPARAM L0110608     0.0008555556      1.60     23.83      0.37
   SRCPARAM L0110609     0.0008555556      1.60     23.83      0.37
   SRCPARAM L0110610     0.0008555556      1.60     23.83      0.37
   SRCPARAM L0110611     0.0008555556      1.60     23.83      0.37
   SRCPARAM L0110612     0.0008555556      1.60     23.83      0.37
   SRCPARAM L0110613     0.0008555556      1.60     23.83      0.37
   SRCPARAM L0110614     0.0008555556      1.60     23.83      0.37
   SRCPARAM L0110615     0.0008555556      1.60     23.83      0.37
   SRCPARAM L0110616     0.0008555556      1.60     23.83      0.37
   SRCPARAM L0110617     0.0008555556      1.60     23.83      0.37
   SRCPARAM L0110618     0.0008555556      1.60     23.83      0.37
   SRCPARAM L0110619     0.0008555556      1.60     23.83      0.37
   SRCPARAM L0110620     0.0008555556      1.60     23.83      0.37
   SRCPARAM L0110621     0.0008555556      1.60     23.83      0.37
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT15
   SRCPARAM L0110622      0.000634      1.80     23.51      0.42
   SRCPARAM L0110623      0.000634      1.80     23.51      0.42
   SRCPARAM L0110624      0.000634      1.80     23.51      0.42
   SRCPARAM L0110625      0.000634      1.80     23.51      0.42
   SRCPARAM L0110626      0.000634      1.80     23.51      0.42
   SRCPARAM L0110627      0.000634      1.80     23.51      0.42
   SRCPARAM L0110628      0.000634      1.80     23.51      0.42
   SRCPARAM L0110629      0.000634      1.80     23.51      0.42
   SRCPARAM L0110630      0.000634      1.80     23.51      0.42
   SRCPARAM L0110631      0.000634      1.80     23.51      0.42
   SRCPARAM L0110632      0.000634      1.80     23.51      0.42
   SRCPARAM L0110633      0.000634      1.80     23.51      0.42
   SRCPARAM L0110634      0.000634      1.80     23.51      0.42
   SRCPARAM L0110635      0.000634      1.80     23.51      0.42
   SRCPARAM L0110636      0.000634      1.80     23.51      0.42
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT18
   SRCPARAM L0110637     0.00038375      1.70     23.38      0.40
   SRCPARAM L0110638     0.00038375      1.70     23.38      0.40
   SRCPARAM L0110639     0.00038375      1.70     23.38      0.40
   SRCPARAM L0110640     0.00038375      1.70     23.38      0.40
   SRCPARAM L0110641     0.00038375      1.70     23.38      0.40
   SRCPARAM L0110642     0.00038375      1.70     23.38      0.40
   SRCPARAM L0110643     0.00038375      1.70     23.38      0.40
   SRCPARAM L0110644     0.00038375      1.70     23.38      0.40
   SRCPARAM L0110645     0.00038375      1.70     23.38      0.40
   SRCPARAM L0110646     0.00038375      1.70     23.38      0.40
   SRCPARAM L0110647     0.00038375      1.70     23.38      0.40
   SRCPARAM L0110648     0.00038375      1.70     23.38      0.40
   SRCPARAM L0110649     0.00038375      1.70     23.38      0.40
   SRCPARAM L0110650     0.00038375      1.70     23.38      0.40
   SRCPARAM L0110651     0.00038375      1.70     23.38      0.40
   SRCPARAM L0110652     0.00038375      1.70     23.38      0.40
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** LINE VOLUME SOURCE ID = SEGMENT18A
   SRCPARAM L0110653     0.0001284615      1.60     24.10      0.37
   SRCPARAM L0110654     0.0001284615      1.60     24.10      0.37
   SRCPARAM L0110655     0.0001284615      1.60     24.10      0.37
   SRCPARAM L0110656     0.0001284615      1.60     24.10      0.37
   SRCPARAM L0110657     0.0001284615      1.60     24.10      0.37
   SRCPARAM L0110658     0.0001284615      1.60     24.10      0.37
   SRCPARAM L0110659     0.0001284615      1.60     24.10      0.37
   SRCPARAM L0110660     0.0001284615      1.60     24.10      0.37
   SRCPARAM L0110661     0.0001284615      1.60     24.10      0.37
   SRCPARAM L0110662     0.0001284615      1.60     24.10      0.37
   SRCPARAM L0110663     0.0001284615      1.60     24.10      0.37
   SRCPARAM L0110664     0.0001284615      1.60     24.10      0.37
   SRCPARAM L0110665     0.0001284615      1.60     24.10      0.37
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT19
   SRCPARAM L0110666     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110667     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110668     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110669     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110670     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110671     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110672     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110673     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110674     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110675     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110676     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110677     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110678     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110679     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110680     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110681     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110682     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110683     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110684     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110685     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110686     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110687     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110688     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110689     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110690     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110691     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110692     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110693     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110694     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110695     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110696     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110697     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110698     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110699     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110700     0.0007666667      1.70     17.64      0.40
   SRCPARAM L0110701     0.0007666667      1.70     17.64      0.40
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT20
   SRCPARAM L0110702     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110703     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110704     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110705     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110706     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110707     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110708     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110709     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110710     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110711     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110712     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110713     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110714     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110715     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110716     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110717     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110718     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110719     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110720     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110721     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110722     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110723     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110724     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110725     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110726     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110727     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110728     0.0001389286      1.40     18.04      0.33
   SRCPARAM L0110729     0.0001389286      1.40     18.04      0.33
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT21
   SRCPARAM L0110730     0.0020714286      1.70     22.81      0.40
   SRCPARAM L0110731     0.0020714286      1.70     22.81      0.40
   SRCPARAM L0110732     0.0020714286      1.70     22.81      0.40
   SRCPARAM L0110733     0.0020714286      1.70     22.81      0.40
   SRCPARAM L0110734     0.0020714286      1.70     22.81      0.40
   SRCPARAM L0110735     0.0020714286      1.70     22.81      0.40
   SRCPARAM L0110736     0.0020714286      1.70     22.81      0.40
   SRCPARAM L0110737     0.0020714286      1.70     22.81      0.40
   SRCPARAM L0110738     0.0020714286      1.70     22.81      0.40
   SRCPARAM L0110739     0.0020714286      1.70     22.81      0.40
   SRCPARAM L0110740     0.0020714286      1.70     22.81      0.40
   SRCPARAM L0110741     0.0020714286      1.70     22.81      0.40
   SRCPARAM L0110742     0.0020714286      1.70     22.81      0.40
   SRCPARAM L0110743     0.0020714286      1.70     22.81      0.40
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT22
   SRCPARAM L0110744     0.0023428571      1.60     24.24      0.37
   SRCPARAM L0110745     0.0023428571      1.60     24.24      0.37
   SRCPARAM L0110746     0.0023428571      1.60     24.24      0.37
   SRCPARAM L0110747     0.0023428571      1.60     24.24      0.37
   SRCPARAM L0110748     0.0023428571      1.60     24.24      0.37
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   SRCPARAM L0110749     0.0023428571      1.60     24.24      0.37
   SRCPARAM L0110750     0.0023428571      1.60     24.24      0.37
   SRCPARAM L0110751     0.0023428571      1.60     24.24      0.37
   SRCPARAM L0110752     0.0023428571      1.60     24.24      0.37
   SRCPARAM L0110753     0.0023428571      1.60     24.24      0.37
   SRCPARAM L0110754     0.0023428571      1.60     24.24      0.37
   SRCPARAM L0110755     0.0023428571      1.60     24.24      0.37
   SRCPARAM L0110756     0.0023428571      1.60     24.24      0.37
   SRCPARAM L0110757     0.0023428571      1.60     24.24      0.37
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT23
   SRCPARAM L0110758        0.0062      1.10     18.10      0.26
   SRCPARAM L0110759        0.0062      1.10     18.10      0.26
   SRCPARAM L0110760        0.0062      1.10     18.10      0.26
   SRCPARAM L0110761        0.0062      1.10     18.10      0.26
   SRCPARAM L0110762        0.0062      1.10     18.10      0.26
   SRCPARAM L0110763        0.0062      1.10     18.10      0.26
   SRCPARAM L0110764        0.0062      1.10     18.10      0.26
   SRCPARAM L0110765        0.0062      1.10     18.10      0.26
   SRCPARAM L0110766        0.0062      1.10     18.10      0.26
   SRCPARAM L0110767        0.0062      1.10     18.10      0.26
   SRCPARAM L0110768        0.0062      1.10     18.10      0.26
   SRCPARAM L0110769        0.0062      1.10     18.10      0.26
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT24
   SRCPARAM L0110770     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110771     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110772     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110773     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110774     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110775     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110776     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110777     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110778     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110779     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110780     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110781     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110782     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110783     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110784     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110785     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110786     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110787     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110788     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110789     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110790     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110791     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110792     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110793     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110794     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110795     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110796     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110797     0.0008655172      1.50     23.53      0.35
   SRCPARAM L0110798     0.0008655172      1.50     23.53      0.35
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT25
   SRCPARAM L0110799      0.001585      1.70     22.24      0.40
   SRCPARAM L0110800      0.001585      1.70     22.24      0.40
   SRCPARAM L0110801      0.001585      1.70     22.24      0.40
   SRCPARAM L0110802      0.001585      1.70     22.24      0.40
   SRCPARAM L0110803      0.001585      1.70     22.24      0.40
   SRCPARAM L0110804      0.001585      1.70     22.24      0.40
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT26
   SRCPARAM L0110805     0.0046230769      1.10     15.51      0.26
   SRCPARAM L0110806     0.0046230769      1.10     15.51      0.26
   SRCPARAM L0110807     0.0046230769      1.10     15.51      0.26
   SRCPARAM L0110808     0.0046230769      1.10     15.51      0.26
   SRCPARAM L0110809     0.0046230769      1.10     15.51      0.26
   SRCPARAM L0110810     0.0046230769      1.10     15.51      0.26
   SRCPARAM L0110811     0.0046230769      1.10     15.51      0.26
   SRCPARAM L0110812     0.0046230769      1.10     15.51      0.26
   SRCPARAM L0110813     0.0046230769      1.10     15.51      0.26
   SRCPARAM L0110814     0.0046230769      1.10     15.51      0.26
   SRCPARAM L0110815     0.0046230769      1.10     15.51      0.26
   SRCPARAM L0110816     0.0046230769      1.10     15.51      0.26
   SRCPARAM L0110817     0.0046230769      1.10     15.51      0.26
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT27
   SRCPARAM L0110818     0.0034454545      1.10     15.35      0.26
   SRCPARAM L0110819     0.0034454545      1.10     15.35      0.26
   SRCPARAM L0110820     0.0034454545      1.10     15.35      0.26
   SRCPARAM L0110821     0.0034454545      1.10     15.35      0.26
   SRCPARAM L0110822     0.0034454545      1.10     15.35      0.26
   SRCPARAM L0110823     0.0034454545      1.10     15.35      0.26
   SRCPARAM L0110824     0.0034454545      1.10     15.35      0.26
   SRCPARAM L0110825     0.0034454545      1.10     15.35      0.26
   SRCPARAM L0110826     0.0034454545      1.10     15.35      0.26
   SRCPARAM L0110827     0.0034454545      1.10     15.35      0.26
   SRCPARAM L0110828     0.0034454545      1.10     15.35      0.26
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT28
   SRCPARAM L0110829     0.0003772727      1.70     15.60      0.40
   SRCPARAM L0110830     0.0003772727      1.70     15.60      0.40
   SRCPARAM L0110831     0.0003772727      1.70     15.60      0.40
   SRCPARAM L0110832     0.0003772727      1.70     15.60      0.40
   SRCPARAM L0110833     0.0003772727      1.70     15.60      0.40
   SRCPARAM L0110834     0.0003772727      1.70     15.60      0.40
   SRCPARAM L0110835     0.0003772727      1.70     15.60      0.40
   SRCPARAM L0110836     0.0003772727      1.70     15.60      0.40
   SRCPARAM L0110837     0.0003772727      1.70     15.60      0.40
   SRCPARAM L0110838     0.0003772727      1.70     15.60      0.40
   SRCPARAM L0110839     0.0003772727      1.70     15.60      0.40
   SRCPARAM L0110840     0.0003772727      1.70     15.60      0.40
   SRCPARAM L0110841     0.0003772727      1.70     15.60      0.40
   SRCPARAM L0110842     0.0003772727      1.70     15.60      0.40
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   SRCPARAM L0110843     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110844     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110845     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110846     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110847     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110848     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110849     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110850     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110851     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110852     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110853     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110854     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110855     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110856     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110857     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110858     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110859     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110860     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110861     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110862     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110863     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110864     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110865     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110866     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110867     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110868     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110869     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110870     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110871     0.0003772727      1.70      15.60      0.40
   SRCPARAM L0110872     0.0003772727      1.70      15.60      0.40
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT29
   SRCPARAM L0110873     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110874     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110875     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110876     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110877     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110878     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110879     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110880     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110881     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110882     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110883     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110884     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110885     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110886     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110887     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110888     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110889     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110890     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110891     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110892     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110893     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110894     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110895     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110896     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110897     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110898     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110899     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110900     0.000837931      1.60      9.20      0.37
   SRCPARAM L0110901     0.000837931      1.60      9.20      0.37
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT30
   SRCPARAM L0110902     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110903     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110904     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110905     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110906     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110907     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110908     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110909     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110910     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110911     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110912     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110913     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110914     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110915     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110916     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110917     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110918     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110919     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110920     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110921     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110922     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110923     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110924     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110925     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110926     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110927     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110928     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110929     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110930     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110931     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110932     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110933     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110934     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110935     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110936     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110937     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110938     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110939     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110940     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110941     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110942     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110943     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110944     0.0006330275      1.70      9.32      0.40
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   SRCPARAM L0110945     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110946     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110947     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110948     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110949     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110950     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110951     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110952     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110953     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110954     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110955     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110956     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110957     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110958     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110959     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110960     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110961     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110962     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110963     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110964     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110965     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110966     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110967     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110968     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110969     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110970     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110971     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110972     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110973     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110974     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110975     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110976     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110977     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110978     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110979     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110980     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110981     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110982     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110983     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110984     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110985     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110986     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110987     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110988     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110989     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110990     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110991     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110992     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110993     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110994     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110995     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110996     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110997     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110998     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0110999     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0111000     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0111001     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0111002     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0111003     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0111004     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0111005     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0111006     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0111007     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0111008     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0111009     0.0006330275      1.70      9.32      0.40
   SRCPARAM L0111010     0.0006330275      1.70      9.32      0.40
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT31
   SRCPARAM L0111011     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111012     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111013     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111014     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111015     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111016     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111017     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111018     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111019     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111020     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111021     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111022     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111023     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111024     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111025     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111026     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111027     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111028     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111029     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111030     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111031     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111032     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111033     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111034     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111035     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111036     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111037     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111038     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111039     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111040     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111041     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111042     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111043     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111044     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111045     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111046     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111047     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111048     0.0000738462      1.90      9.38      0.44
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   SRCPARAM L0111049     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111050     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111051     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111052     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111053     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111054     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111055     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111056     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111057     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111058     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111059     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111060     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111061     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111062     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111063     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111064     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111065     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111066     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111067     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111068     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111069     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111070     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111071     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111072     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111073     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111074     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111075     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111076     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111077     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111078     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111079     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111080     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111081     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111082     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111083     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111084     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111085     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111086     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111087     0.0000738462      1.90      9.38      0.44
   SRCPARAM L0111088     0.0000738462      1.90      9.38      0.44
** ---------------------------------------------------------------------
   SRCPARAM PHASE2        8.57E-09     3.400       24
   AREAVERT PHASE2       485955.126 3753354.752 485960.607 3752757.752
   AREAVERT PHASE2       487265.046 3752735.752 487270.339 3752537.752
   AREAVERT PHASE2       488306.339 3752532.752 488311.339 3752861.752
   AREAVERT PHASE2       489243.339 3752833.752 489248.339 3752439.752
   AREAVERT PHASE2       491062.339 3752444.752 490854.339 3752883.752
   AREAVERT PHASE2       490487.339 3753222.752 488733.750 3754233.804
   AREAVERT PHASE2       488611.086 3754487.983 488405.339 3754467.752
   AREAVERT PHASE2       487997.339 3755020.752 487759.339 3755283.752
   AREAVERT PHASE2       487242.339 3755300.752 487234.339 3755007.752
   AREAVERT PHASE2       487990.339 3755019.752 488170.339 3754780.752
   AREAVERT PHASE2       488472.339 3754353.752 488465.339 3753305.752
   AREAVERT PHASE2       487133.339 3753283.752 486826.339 3753359.752
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD RECEPTOR PATHWAY
****************************************
**
**
RE STARTING
   INCLUDED AERMOD_LST_PM10_2012NR.ROU
RE FINISHED
**
****************************************
** AERMOD METEOROLOGY PATHWAY
****************************************
**
**
ME STARTING
   SURFFILE RIVR2.SFC
   PROFFILE RIVR2.PFL
   SURFDATA 00002 2005
   UAIRDATA 3190 2005
   PROFBASE 250.0 METERS
ME FINISHED
**
****************************************
** AERMOD OUTPUT PATHWAY
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** AUTO-GENERATED PLOTFILES
   PLOTFILE   24 ALL 1ST AERMOD_LST_PM10_2012NR.AD\24H1GALL.PLT 31
   PLOTFILE   ANNUAL ALL AERMOD_LST_PM10_2012NR.AD\AN00GALL.PLT 32
   SUMMFILE AERMOD_LST_PM10_2012NR.SUM
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***
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   ********   WARNING MESSAGES   ********
ME W530    1986 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

***********************************
*** SETUP Finishes Successfully ***
***********************************

♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                          ***        11/29/12
                                    *** PM10 - LST ASSESSMENT (NO REFRIGERATION)                       ***        09:02:48
                                                                                                                  PAGE   1
**MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL

                                              ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - -
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L0110412	0	0.22097E-02	486958.9	3754446.2	513.2	1.70	18.01	0.40	YES
L0110413	0	0.22097E-02	486920.1	3754446.6	514.0	1.70	18.01	0.40	YES
L0110414	0	0.22097E-02	486881.4	3754446.9	514.8	1.70	18.01	0.40	YES
L0110415	0	0.22097E-02	486842.7	3754447.2	515.9	1.70	18.01	0.40	YES
L0110416	0	0.22097E-02	486804.0	3754447.5	515.4	1.70	18.01	0.40	YES
L0110417	0	0.22097E-02	486765.3	3754447.9	516.1	1.70	18.01	0.40	YES
L0110418	0	0.22097E-02	486726.5	3754448.2	515.7	1.70	18.01	0.40	YES
L0110419	0	0.22097E-02	486687.8	3754448.5	514.3	1.70	18.01	0.40	YES
L0110420	0	0.22097E-02	486649.1	3754448.8	514.3	1.70	18.01	0.40	YES
L0110421	0	0.22097E-02	486610.4	3754449.2	514.9	1.70	18.01	0.40	YES
L0110422	0	0.22097E-02	486571.6	3754449.5	515.3	1.70	18.01	0.40	YES
L0110423	0	0.22097E-02	486532.9	3754449.8	514.6	1.70	18.01	0.40	YES
L0110424	0	0.22097E-02	486494.2	3754450.1	515.0	1.70	18.01	0.40	YES
L0110425	0	0.22097E-02	486455.5	3754450.5	514.5	1.70	18.01	0.40	YES
L0110426	0	0.22097E-02	486416.7	3754450.8	513.4	1.70	18.01	0.40	YES
L0110427	0	0.22097E-02	486378.0	3754451.1	513.4	1.70	18.01	0.40	YES
L0110428	0	0.22097E-02	486339.3	3754451.4	514.1	1.70	18.01	0.40	YES
L0110429	0	0.22097E-02	486300.6	3754451.8	515.0	1.70	18.01	0.40	YES
L0110430	0	0.22097E-02	486261.8	3754452.1	516.3	1.70	18.01	0.40	YES
L0110431	0	0.22097E-02	486223.1	3754452.4	516.8	1.70	18.01	0.40	YES

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0110432	0	0.22097E-02	486184.7	3754451.5	514.9	1.70	18.01	0.40	YES	
L0110433	0	0.22097E-02	486151.5	3754431.5	512.5	1.70	18.01	0.40	YES	
L0110434	0	0.22097E-02	486118.3	3754411.6	510.2	1.70	18.01	0.40	YES	
L0110435	0	0.22097E-02	486085.1	3754391.7	509.3	1.70	18.01	0.40	YES	
L0110436	0	0.22097E-02	486051.9	3754371.8	509.0	1.70	18.01	0.40	YES	
L0110437	0	0.22097E-02	486030.1	3754341.3	509.3	1.70	18.01	0.40	YES	
L0110438	0	0.22097E-02	486012.8	3754306.6	509.9	1.70	18.01	0.40	YES	
L0110439	0	0.11720E-02	486005.7	3754293.4	510.6	1.70	17.72	0.40	YES	
L0110440	0	0.11720E-02	486005.3	3754255.3	509.5	1.70	17.72	0.40	YES	
L0110441	0	0.11720E-02	486004.9	3754217.2	507.6	1.70	17.72	0.40	YES	
L0110442	0	0.11720E-02	486004.6	3754179.1	507.9	1.70	17.72	0.40	YES	
L0110443	0	0.11720E-02	486004.2	3754141.1	508.0	1.70	17.72	0.40	YES	
L0110444	0	0.11720E-02	486003.8	3754103.0	506.8	1.70	17.72	0.40	YES	
L0110445	0	0.11720E-02	486003.4	3754064.9	506.3	1.70	17.72	0.40	YES	
L0110446	0	0.11720E-02	486003.1	3754026.8	505.2	1.70	17.72	0.40	YES	
L0110447	0	0.11720E-02	486002.7	3753988.7	505.0	1.70	17.72	0.40	YES	
L0110448	0	0.11720E-02	486002.3	3753950.6	504.1	1.70	17.72	0.40	YES	
L0110449	0	0.11720E-02	486001.9	3753912.5	503.4	1.70	17.72	0.40	YES	
L0110450	0	0.11720E-02	486001.5	3753874.4	502.2	1.70	17.72	0.40	YES	
L0110451	0	0.11720E-02	486001.2	3753836.3	500.9	1.70	17.72	0.40	YES	
L0110452	0	0.11720E-02	486000.8	3753798.2	499.6	1.70	17.72	0.40	YES	
L0110453	0	0.11720E-02	486000.4	3753760.2	499.7	1.70	17.72	0.40	YES	
L0110454	0	0.11720E-02	486000.0	3753722.1	501.9	1.70	17.72	0.40	YES	
L0110455	0	0.11720E-02	485999.6	3753684.0	501.6	1.70	17.72	0.40	YES	
L0110456	0	0.11720E-02	485999.3	3753645.9	499.0	1.70	17.72	0.40	YES	
L0110457	0	0.11720E-02	485998.9	3753607.8	496.5	1.70	17.72	0.40	YES	
L0110458	0	0.11720E-02	485998.5	3753569.7	496.0	1.70	17.72	0.40	YES	
L0110459	0	0.11720E-02	485998.1	3753531.6	496.5	1.70	17.72	0.40	YES	
L0110460	0	0.11720E-02	486006.9	3753496.0	495.3	1.70	17.72	0.40	YES	
L0110461	0	0.11720E-02	486026.7	3753463.5	492.8	1.70	17.72	0.40	YES	
L0110462	0	0.11720E-02	486046.5	3753431.0	491.4	1.70	17.72	0.40	YES	
L0110463	0	0.11720E-02	486066.3	3753398.4	492.3	1.70	17.72	0.40	YES	
L0110464	0	0.18762E-02	486083.6	3753385.4	493.6	1.70	24.05	0.40	YES	
L0110465	0	0.18762E-02	486132.0	3753367.1	494.7	1.70	24.05	0.40	YES	
L0110466	0	0.18762E-02	486182.6	3753360.8	493.9	1.70	24.05	0.40	YES	
L0110467	0	0.18762E-02	486234.3	3753360.1	492.2	1.70	24.05	0.40	YES	
L0110468	0	0.18762E-02	486286.0	3753359.4	493.5	1.70	24.05	0.40	YES	
L0110469	0	0.18762E-02	486337.7	3753358.7	494.0	1.70	24.05	0.40	YES	
L0110470	0	0.18762E-02	486389.4	3753358.0	493.9	1.70	24.05	0.40	YES	
L0110471	0	0.18762E-02	486441.1	3753357.4	497.5	1.70	24.05	0.40	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0110472	0	0.18762E-02	486492.9	3753356.7	495.6	1.70	24.05	0.40	YES	
L0110473	0	0.18762E-02	486544.6	3753356.0	494.9	1.70	24.05	0.40	YES	
L0110474	0	0.18762E-02	486596.3	3753355.3	494.1	1.70	24.05	0.40	YES	
L0110475	0	0.18762E-02	486648.0	3753354.6	495.0	1.70	24.05	0.40	YES	
L0110476	0	0.18762E-02	486699.7	3753353.9	494.6	1.70	24.05	0.40	YES	
L0110477	0	0.18762E-02	486751.2	3753351.7	494.7	1.70	24.05	0.40	YES	
L0110478	0	0.18762E-02	486801.8	3753341.0	492.7	1.70	24.05	0.40	YES	
L0110479	0	0.18762E-02	486852.4	3753330.4	491.0	1.70	24.05	0.40	YES	
L0110480	0	0.18762E-02	486903.0	3753319.8	491.7	1.70	24.05	0.40	YES	
L0110481	0	0.18762E-02	486953.6	3753309.2	491.4	1.70	24.05	0.40	YES	
L0110482	0	0.18762E-02	487004.2	3753298.6	492.0	1.70	24.05	0.40	YES	
L0110483	0	0.18762E-02	487054.8	3753288.0	490.8	1.70	24.05	0.40	YES	
L0110484	0	0.18762E-02	487105.5	3753277.3	489.2	1.70	24.05	0.40	YES	
L0110485	0	0.41421E-02	487123.3	3754433.6	507.4	1.70	29.19	0.40	YES	
L0110486	0	0.41421E-02	487122.3	3754370.9	509.6	1.70	29.19	0.40	YES	
L0110487	0	0.41421E-02	487121.3	3754308.1	508.2	1.70	29.19	0.40	YES	
L0110488	0	0.41421E-02	487120.3	3754245.4	509.8	1.70	29.19	0.40	YES	
L0110489	0	0.41421E-02	487119.3	3754182.7	507.2	1.70	29.19	0.40	YES	

L0110490	0	0.41421E-02	487118.3	3754119.9	505.1	1.70	29.19	0.40	YES
L0110491	0	0.41421E-02	487117.3	3754057.2	504.8	1.70	29.19	0.40	YES
L0110492	0	0.41421E-02	487116.3	3753994.4	501.9	1.70	29.19	0.40	YES
L0110493	0	0.41421E-02	487115.3	3753931.7	501.0	1.70	29.19	0.40	YES
L0110494	0	0.41421E-02	487114.3	3753868.9	501.0	1.70	29.19	0.40	YES
L0110495	0	0.41421E-02	487113.4	3753806.2	496.9	1.70	29.19	0.40	YES
L0110496	0	0.41421E-02	487112.4	3753743.4	499.2	1.70	29.19	0.40	YES
L0110497	0	0.41421E-02	487111.4	3753680.7	498.7	1.70	29.19	0.40	YES
L0110498	0	0.41421E-02	487110.4	3753618.0	497.6	1.70	29.19	0.40	YES
L0110499	0	0.41421E-02	487109.4	3753555.2	496.0	1.70	29.19	0.40	YES
L0110500	0	0.41421E-02	487108.4	3753492.5	496.0	1.70	29.19	0.40	YES
L0110501	0	0.41421E-02	487107.4	3753429.7	494.7	1.70	29.19	0.40	YES
L0110502	0	0.41421E-02	487106.4	3753367.0	489.3	1.70	29.19	0.40	YES
L0110503	0	0.41421E-02	487105.4	3753304.2	489.1	1.70	29.19	0.40	YES
L0110504	0	0.52111E-02	487102.6	3753284.4	489.2	1.10	29.21	0.26	YES
L0110505	0	0.52111E-02	487102.9	3753221.6	489.6	1.10	29.21	0.26	YES
L0110506	0	0.52111E-02	487103.2	3753158.8	486.8	1.10	29.21	0.26	YES
L0110507	0	0.52111E-02	487103.5	3753096.1	485.8	1.10	29.21	0.26	YES
L0110508	0	0.52111E-02	487103.8	3753033.3	485.0	1.10	29.21	0.26	YES
L0110509	0	0.52111E-02	487104.2	3752970.5	487.0	1.10	29.21	0.26	YES
L0110510	0	0.52111E-02	487104.5	3752907.7	484.9	1.10	29.21	0.26	YES
L0110511	0	0.52111E-02	487104.8	3752844.9	483.2	1.10	29.21	0.26	YES

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0110512	0	0.52111E-02	487105.1	3752782.1	483.7	1.10	29.21	0.26	YES	
L0110513	0	0.79667E-03	486069.9	3753383.9	492.7	1.30	18.01	0.30	YES	
L0110514	0	0.79667E-03	486053.5	3753348.8	491.3	1.30	18.01	0.30	YES	
L0110515	0	0.79667E-03	486037.1	3753313.7	490.5	1.30	18.01	0.30	YES	
L0110516	0	0.79667E-03	486020.7	3753278.6	490.3	1.30	18.01	0.30	YES	
L0110517	0	0.79667E-03	486004.3	3753243.5	490.0	1.30	18.01	0.30	YES	
L0110518	0	0.79667E-03	485987.9	3753208.5	489.6	1.30	18.01	0.30	YES	
L0110519	0	0.79667E-03	485979.1	3753171.6	489.0	1.30	18.01	0.30	YES	
L0110520	0	0.79667E-03	485978.3	3753132.9	488.1	1.30	18.01	0.30	YES	
L0110521	0	0.79667E-03	485977.4	3753094.2	488.2	1.30	18.01	0.30	YES	
L0110522	0	0.79667E-03	485976.6	3753055.4	489.4	1.30	18.01	0.30	YES	
L0110523	0	0.79667E-03	485975.7	3753016.7	490.1	1.30	18.01	0.30	YES	
L0110524	0	0.79667E-03	485974.9	3752978.0	490.0	1.30	18.01	0.30	YES	
L0110525	0	0.79667E-03	485974.0	3752939.3	489.0	1.30	18.01	0.30	YES	
L0110526	0	0.79667E-03	485973.2	3752900.6	489.0	1.30	18.01	0.30	YES	
L0110527	0	0.79667E-03	485972.3	3752861.8	489.0	1.30	18.01	0.30	YES	
L0110528	0	0.79667E-03	485971.5	3752823.1	489.0	1.30	18.01	0.30	YES	
L0110529	0	0.79667E-03	485970.6	3752784.4	488.8	1.30	18.01	0.30	YES	
L0110530	0	0.79667E-03	485969.8	3752745.7	487.0	1.30	18.01	0.30	YES	
L0110531	0	0.79667E-03	485968.9	3752707.0	485.2	1.30	18.01	0.30	YES	
L0110532	0	0.79667E-03	485968.1	3752668.2	486.2	1.30	18.01	0.30	YES	
L0110533	0	0.79667E-03	485967.2	3752629.5	488.8	1.30	18.01	0.30	YES	
L0110534	0	0.79667E-03	485966.4	3752590.8	490.1	1.30	18.01	0.30	YES	
L0110535	0	0.79667E-03	485965.5	3752552.1	495.2	1.30	18.01	0.30	YES	
L0110536	0	0.79667E-03	485964.7	3752513.4	496.4	1.30	18.01	0.30	YES	
L0110537	0	0.79667E-03	485963.8	3752474.7	496.1	1.30	18.01	0.30	YES	
L0110538	0	0.79667E-03	485963.0	3752435.9	496.4	1.30	18.01	0.30	YES	
L0110539	0	0.79667E-03	485962.1	3752397.2	498.8	1.30	18.01	0.30	YES	
L0110540	0	0.79667E-03	485961.3	3752358.5	500.1	1.30	18.01	0.30	YES	
L0110541	0	0.79667E-03	485960.4	3752319.8	500.7	1.30	18.01	0.30	YES	
L0110542	0	0.79667E-03	485959.6	3752281.1	501.9	1.30	18.01	0.30	YES	
L0110543	0	-.11250E-03	485510.8	3754267.3	514.2	1.00	15.74	0.23	YES	
L0110544	0	-.11250E-03	485510.8	3754233.4	512.2	1.00	15.74	0.23	YES	
L0110545	0	-.11250E-03	485510.8	3754199.6	512.1	1.00	15.74	0.23	YES	
L0110546	0	-.11250E-03	485510.7	3754165.8	512.7	1.00	15.74	0.23	YES	
L0110547	0	-.11250E-03	485510.7	3754131.9	512.2	1.00	15.74	0.23	YES	
L0110548	0	-.11250E-03	485510.7	3754098.1	510.5	1.00	15.74	0.23	YES	
L0110549	0	-.11250E-03	485510.6	3754064.2	508.4	1.00	15.74	0.23	YES	
L0110550	0	-.11250E-03	485510.6	3754030.4	506.5	1.00	15.74	0.23	YES	
L0110551	0	-.11250E-03	485510.5	3753996.6	505.5	1.00	15.74	0.23	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0110552	0	-.11250E-03	485510.5	3753962.7	505.3	1.00	15.74	0.23	YES	
L0110553	0	-.11250E-03	485510.5	3753928.9	504.3	1.00	15.74	0.23	YES	
L0110554	0	-.11250E-03	485510.4	3753895.1	502.5	1.00	15.74	0.23	YES	
L0110555	0	-.11250E-03	485510.4	3753861.2	501.8	1.00	15.74	0.23	YES	
L0110556	0	-.11250E-03	485510.4	3753827.4	501.9	1.00	15.74	0.23	YES	
L0110557	0	-.11250E-03	485510.3	3753793.6	502.2	1.00	15.74	0.23	YES	
L0110558	0	-.11250E-03	485510.3	3753759.7	504.4	1.00	15.74	0.23	YES	
L0110559	0	-.11250E-03	485510.3	3753725.9	505.0	1.00	15.74	0.23	YES	
L0110560	0	-.11250E-03	485510.2	3753692.0	505.0	1.00	15.74	0.23	YES	
L0110561	0	-.11250E-03	485510.2	3753658.2	502.6	1.00	15.74	0.23	YES	
L0110562	0	-.11250E-03	485510.1	3753624.4	500.4	1.00	15.74	0.23	YES	
L0110563	0	-.11250E-03	485510.1	3753590.5	499.4	1.00	15.74	0.23	YES	
L0110564	0	-.11250E-03	485510.1	3753556.7	500.0	1.00	15.74	0.23	YES	
L0110565	0	-.11250E-03	485510.0	3753522.9	499.8	1.00	15.74	0.23	YES	
L0110566	0	-.11250E-03	485510.0	3753489.0	498.4	1.00	15.74	0.23	YES	
L0110567	0	-.11250E-03	485510.0	3753455.2	498.0	1.00	15.74	0.23	YES	

L0110568	0	-.11250E-03	485509.9	3753421.4	498.0	1.00	15.74	0.23	YES
L0110569	0	-.11250E-03	485509.9	3753387.5	497.3	1.00	15.74	0.23	YES
L0110570	0	-.11250E-03	485509.8	3753353.7	496.8	1.00	15.74	0.23	YES
L0110571	0	-.11250E-03	485509.8	3753319.8	495.6	1.00	15.74	0.23	YES
L0110572	0	-.11250E-03	485509.8	3753286.0	494.2	1.00	15.74	0.23	YES
L0110573	0	-.11250E-03	485509.7	3753252.2	493.9	1.00	15.74	0.23	YES
L0110574	0	-.11250E-03	485509.7	3753218.3	494.7	1.00	15.74	0.23	YES
L0110575	0	-.11250E-03	485509.7	3753184.5	494.2	1.00	15.74	0.23	YES
L0110576	0	-.11250E-03	485509.6	3753150.7	491.7	1.00	15.74	0.23	YES
L0110577	0	-.11250E-03	485509.6	3753116.8	490.8	1.00	15.74	0.23	YES
L0110578	0	-.11250E-03	485509.6	3753083.0	491.6	1.00	15.74	0.23	YES
L0110579	0	0.36680E-03	485533.3	3755083.2	531.2	1.10	15.63	0.26	YES
L0110580	0	0.36680E-03	485532.5	3755049.6	528.8	1.10	15.63	0.26	YES
L0110581	0	0.36680E-03	485531.8	3755016.0	528.2	1.10	15.63	0.26	YES
L0110582	0	0.36680E-03	485531.1	3754982.4	528.0	1.10	15.63	0.26	YES
L0110583	0	0.36680E-03	485530.4	3754948.8	526.6	1.10	15.63	0.26	YES
L0110584	0	0.36680E-03	485529.7	3754915.2	525.4	1.10	15.63	0.26	YES
L0110585	0	0.36680E-03	485528.9	3754881.6	522.9	1.10	15.63	0.26	YES
L0110586	0	0.36680E-03	485528.2	3754848.0	520.4	1.10	15.63	0.26	YES
L0110587	0	0.36680E-03	485527.5	3754814.4	523.2	1.10	15.63	0.26	YES
L0110588	0	0.36680E-03	485526.8	3754780.8	526.0	1.10	15.63	0.26	YES
L0110589	0	0.36680E-03	485526.0	3754747.2	526.7	1.10	15.63	0.26	YES
L0110590	0	0.36680E-03	485525.3	3754713.6	524.2	1.10	15.63	0.26	YES
L0110591	0	0.36680E-03	485524.6	3754680.1	521.8	1.10	15.63	0.26	YES

**MODELOPTs: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0110592	0	0.36680E-03	485523.9	3754646.5	521.8	1.10	15.63	0.26	YES	
L0110593	0	0.36680E-03	485523.2	3754612.9	522.1	1.10	15.63	0.26	YES	
L0110594	0	0.36680E-03	485522.4	3754579.3	522.2	1.10	15.63	0.26	YES	
L0110595	0	0.36680E-03	485521.7	3754545.7	519.1	1.10	15.63	0.26	YES	
L0110596	0	0.36680E-03	485521.0	3754512.1	515.2	1.10	15.63	0.26	YES	
L0110597	0	0.36680E-03	485520.3	3754478.5	514.7	1.10	15.63	0.26	YES	
L0110598	0	0.36680E-03	485519.5	3754444.9	516.7	1.10	15.63	0.26	YES	
L0110599	0	0.36680E-03	485518.8	3754411.3	517.0	1.10	15.63	0.26	YES	
L0110600	0	0.36680E-03	485518.1	3754377.7	516.0	1.10	15.63	0.26	YES	
L0110601	0	0.36680E-03	485517.4	3754344.1	515.1	1.10	15.63	0.26	YES	
L0110602	0	0.36680E-03	485516.7	3754310.5	515.0	1.10	15.63	0.26	YES	
L0110603	0	0.36680E-03	485515.9	3754276.9	514.6	1.10	15.63	0.26	YES	
L0110604	0	0.85556E-03	485516.8	3755054.2	529.9	1.60	23.83	0.37	YES	
L0110605	0	0.85556E-03	485568.1	3755054.0	528.6	1.60	23.83	0.37	YES	
L0110606	0	0.85556E-03	485619.3	3755053.8	530.8	1.60	23.83	0.37	YES	
L0110607	0	0.85556E-03	485670.5	3755053.6	532.5	1.60	23.83	0.37	YES	
L0110608	0	0.85556E-03	485721.7	3755053.4	534.2	1.60	23.83	0.37	YES	
L0110609	0	0.85556E-03	485773.0	3755053.2	531.1	1.60	23.83	0.37	YES	
L0110610	0	0.85556E-03	485824.2	3755053.0	529.5	1.60	23.83	0.37	YES	
L0110611	0	0.85556E-03	485875.4	3755052.8	529.8	1.60	23.83	0.37	YES	
L0110612	0	0.85556E-03	485926.7	3755052.6	530.9	1.60	23.83	0.37	YES	
L0110613	0	0.85556E-03	485977.9	3755052.4	529.7	1.60	23.83	0.37	YES	
L0110614	0	0.85556E-03	486029.1	3755052.2	529.4	1.60	23.83	0.37	YES	
L0110615	0	0.85556E-03	486080.4	3755052.0	529.5	1.60	23.83	0.37	YES	
L0110616	0	0.85556E-03	486131.6	3755051.8	529.5	1.60	23.83	0.37	YES	
L0110617	0	0.85556E-03	486182.8	3755051.6	530.3	1.60	23.83	0.37	YES	
L0110618	0	0.85556E-03	486234.0	3755051.3	527.4	1.60	23.83	0.37	YES	
L0110619	0	0.85556E-03	486285.3	3755051.1	527.0	1.60	23.83	0.37	YES	
L0110620	0	0.85556E-03	486336.5	3755050.9	526.5	1.60	23.83	0.37	YES	
L0110621	0	0.85556E-03	486387.7	3755050.7	527.3	1.60	23.83	0.37	YES	
L0110622	0	0.63400E-03	486398.6	3755051.8	528.1	1.80	23.51	0.42	YES	
L0110623	0	0.63400E-03	486449.1	3755051.3	531.3	1.80	23.51	0.42	YES	
L0110624	0	0.63400E-03	486499.7	3755050.8	529.7	1.80	23.51	0.42	YES	
L0110625	0	0.63400E-03	486550.2	3755050.4	528.0	1.80	23.51	0.42	YES	
L0110626	0	0.63400E-03	486600.7	3755049.9	527.0	1.80	23.51	0.42	YES	
L0110627	0	0.63400E-03	486651.3	3755049.4	527.3	1.80	23.51	0.42	YES	
L0110628	0	0.63400E-03	486701.8	3755049.0	529.1	1.80	23.51	0.42	YES	
L0110629	0	0.63400E-03	486752.4	3755048.5	530.3	1.80	23.51	0.42	YES	
L0110630	0	0.63400E-03	486802.9	3755048.1	529.2	1.80	23.51	0.42	YES	
L0110631	0	0.63400E-03	486853.5	3755047.6	526.5	1.80	23.51	0.42	YES	

**MODELOPTs: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0110632	0	0.63400E-03	486904.0	3755047.1	529.4	1.80	23.51	0.42	YES	
L0110633	0	0.63400E-03	486954.6	3755046.7	527.6	1.80	23.51	0.42	YES	
L0110634	0	0.63400E-03	487005.1	3755046.2	526.3	1.80	23.51	0.42	YES	
L0110635	0	0.63400E-03	487055.7	3755045.8	527.0	1.80	23.51	0.42	YES	
L0110636	0	0.63400E-03	487106.2	3755045.3	527.9	1.80	23.51	0.42	YES	
L0110637	0	0.38375E-03	487151.1	3755042.2	530.6	1.70	23.38	0.40	YES	
L0110638	0	0.38375E-03	487201.3	3755039.4	528.0	1.70	23.38	0.40	YES	
L0110639	0	0.38375E-03	487251.5	3755036.7	528.5	1.70	23.38	0.40	YES	
L0110640	0	0.38375E-03	487301.7	3755033.9	528.6	1.70	23.38	0.40	YES	
L0110641	0	0.38375E-03	487351.3	3755025.8	526.0	1.70	23.38	0.40	YES	
L0110642	0	0.38375E-03	487400.9	3755017.8	524.6	1.70	23.38	0.40	YES	
L0110643	0	0.38375E-03	487450.5	3755009.8	524.4	1.70	23.38	0.40	YES	
L0110644	0	0.38375E-03	487500.1	3755001.7	526.0	1.70	23.38	0.40	YES	
L0110645	0	0.38375E-03	487549.9	3754996.4	528.3	1.70	23.38	0.40	YES	

L0110646	0	0.38375E-03	487600.2	3754997.7	529.2	1.70	23.38	0.40	YES
L0110647	0	0.38375E-03	487650.4	3754999.0	526.2	1.70	23.38	0.40	YES
L0110648	0	0.38375E-03	487700.6	3755000.3	523.0	1.70	23.38	0.40	YES
L0110649	0	0.38375E-03	487749.5	3754990.1	522.3	1.70	23.38	0.40	YES
L0110650	0	0.38375E-03	487798.0	3754976.9	523.3	1.70	23.38	0.40	YES
L0110651	0	0.38375E-03	487846.5	3754963.7	524.1	1.70	23.38	0.40	YES
L0110652	0	0.38375E-03	487895.0	3754950.4	525.8	1.70	23.38	0.40	YES
L0110653	0	0.12846E-03	487919.9	3754938.9	524.6	1.60	24.10	0.37	YES
L0110654	0	0.12846E-03	487964.8	3754913.0	521.9	1.60	24.10	0.37	YES
L0110655	0	0.12846E-03	488009.7	3754887.1	519.8	1.60	24.10	0.37	YES
L0110656	0	0.12846E-03	488053.4	3754859.6	519.4	1.60	24.10	0.37	YES
L0110657	0	0.12846E-03	488094.9	3754828.5	519.2	1.60	24.10	0.37	YES
L0110658	0	0.12846E-03	488136.3	3754797.4	520.5	1.60	24.10	0.37	YES
L0110659	0	0.12846E-03	488178.6	3754767.9	521.2	1.60	24.10	0.37	YES
L0110660	0	0.12846E-03	488228.5	3754753.9	522.9	1.60	24.10	0.37	YES
L0110661	0	0.12846E-03	488278.4	3754739.9	523.0	1.60	24.10	0.37	YES
L0110662	0	0.12846E-03	488329.2	3754731.6	521.5	1.60	24.10	0.37	YES
L0110663	0	0.12846E-03	488380.9	3754728.1	523.9	1.60	24.10	0.37	YES
L0110664	0	0.12846E-03	488432.6	3754724.6	528.0	1.60	24.10	0.37	YES
L0110665	0	0.12846E-03	488484.3	3754721.0	524.8	1.60	24.10	0.37	YES
L0110666	0	0.76667E-03	487131.3	3754448.5	506.6	1.70	17.64	0.40	YES
L0110667	0	0.76667E-03	487169.2	3754446.5	506.0	1.70	17.64	0.40	YES
L0110668	0	0.76667E-03	487207.0	3754444.4	508.1	1.70	17.64	0.40	YES
L0110669	0	0.76667E-03	487244.9	3754442.4	509.1	1.70	17.64	0.40	YES
L0110670	0	0.76667E-03	487282.8	3754440.4	509.8	1.70	17.64	0.40	YES
L0110671	0	0.76667E-03	487320.7	3754438.4	509.1	1.70	17.64	0.40	YES

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L0110672	0	0.76667E-03	487358.6	3754436.4	509.4	1.70	17.64	0.40	YES	
L0110673	0	0.76667E-03	487396.4	3754434.4	510.4	1.70	17.64	0.40	YES	
L0110674	0	0.76667E-03	487434.3	3754432.4	509.9	1.70	17.64	0.40	YES	
L0110675	0	0.76667E-03	487472.2	3754430.4	509.4	1.70	17.64	0.40	YES	
L0110676	0	0.76667E-03	487510.1	3754428.3	509.9	1.70	17.64	0.40	YES	
L0110677	0	0.76667E-03	487547.9	3754426.3	510.2	1.70	17.64	0.40	YES	
L0110678	0	0.76667E-03	487585.8	3754424.5	509.6	1.70	17.64	0.40	YES	
L0110679	0	0.76667E-03	487623.7	3754425.8	510.1	1.70	17.64	0.40	YES	
L0110680	0	0.76667E-03	487661.6	3754427.1	510.7	1.70	17.64	0.40	YES	
L0110681	0	0.76667E-03	487699.6	3754428.4	510.4	1.70	17.64	0.40	YES	
L0110682	0	0.76667E-03	487736.7	3754435.0	510.8	1.70	17.64	0.40	YES	
L0110683	0	0.76667E-03	487773.2	3754445.1	510.4	1.70	17.64	0.40	YES	
L0110684	0	0.76667E-03	487810.3	3754451.0	509.9	1.70	17.64	0.40	YES	
L0110685	0	0.76667E-03	487848.2	3754450.3	509.8	1.70	17.64	0.40	YES	
L0110686	0	0.76667E-03	487886.1	3754449.6	508.5	1.70	17.64	0.40	YES	
L0110687	0	0.76667E-03	487924.1	3754449.0	507.7	1.70	17.64	0.40	YES	
L0110688	0	0.76667E-03	487962.0	3754448.3	508.4	1.70	17.64	0.40	YES	
L0110689	0	0.76667E-03	487999.9	3754447.6	509.0	1.70	17.64	0.40	YES	
L0110690	0	0.76667E-03	488037.8	3754447.0	508.1	1.70	17.64	0.40	YES	
L0110691	0	0.76667E-03	488075.8	3754446.3	507.2	1.70	17.64	0.40	YES	
L0110692	0	0.76667E-03	488113.7	3754445.6	508.2	1.70	17.64	0.40	YES	
L0110693	0	0.76667E-03	488151.6	3754445.0	508.3	1.70	17.64	0.40	YES	
L0110694	0	0.76667E-03	488189.5	3754444.3	509.3	1.70	17.64	0.40	YES	
L0110695	0	0.76667E-03	488227.5	3754443.6	510.4	1.70	17.64	0.40	YES	
L0110696	0	0.76667E-03	488265.4	3754443.0	510.7	1.70	17.64	0.40	YES	
L0110697	0	0.76667E-03	488303.3	3754442.3	510.9	1.70	17.64	0.40	YES	
L0110698	0	0.76667E-03	488333.9	3754420.0	509.3	1.70	17.64	0.40	YES	
L0110699	0	0.76667E-03	488364.4	3754397.4	506.5	1.70	17.64	0.40	YES	
L0110700	0	0.76667E-03	488394.8	3754374.8	504.5	1.70	17.64	0.40	YES	
L0110701	0	0.76667E-03	488425.3	3754352.2	505.0	1.70	17.64	0.40	YES	
L0110702	0	0.13893E-03	488434.4	3754340.7	505.3	1.40	18.04	0.33	YES	
L0110703	0	0.13893E-03	488457.1	3754309.3	506.0	1.40	18.04	0.33	YES	
L0110704	0	0.13893E-03	488457.7	3754270.7	506.0	1.40	18.04	0.33	YES	
L0110705	0	0.13893E-03	488457.7	3754231.9	505.1	1.40	18.04	0.33	YES	
L0110706	0	0.13893E-03	488457.7	3754193.1	501.0	1.40	18.04	0.33	YES	
L0110707	0	0.13893E-03	488457.7	3754154.3	501.5	1.40	18.04	0.33	YES	
L0110708	0	0.13893E-03	488457.7	3754115.5	503.6	1.40	18.04	0.33	YES	
L0110709	0	0.13893E-03	488457.7	3754076.8	502.9	1.40	18.04	0.33	YES	
L0110710	0	0.13893E-03	488457.7	3754038.0	502.0	1.40	18.04	0.33	YES	
L0110711	0	0.13893E-03	488457.7	3753999.2	502.0	1.40	18.04	0.33	YES	

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L0110712	0	0.13893E-03	488457.7	3753960.4	502.0	1.40	18.04	0.33	YES	
L0110713	0	0.13893E-03	488457.7	3753921.6	500.4	1.40	18.04	0.33	YES	
L0110714	0	0.13893E-03	488457.7	3753882.8	498.4	1.40	18.04	0.33	YES	
L0110715	0	0.13893E-03	488457.7	3753844.0	497.1	1.40	18.04	0.33	YES	
L0110716	0	0.13893E-03	488457.7	3753805.3	496.8	1.40	18.04	0.33	YES	
L0110717	0	0.13893E-03	488457.7	3753766.5	496.0	1.40	18.04	0.33	YES	
L0110718	0	0.13893E-03	488457.7	3753727.7	495.3	1.40	18.04	0.33	YES	
L0110719	0	0.13893E-03	488457.7	3753688.9	493.9	1.40	18.04	0.33	YES	
L0110720	0	0.13893E-03	488457.7	3753650.1	491.0	1.40	18.04	0.33	YES	
L0110721	0	0.13893E-03	488457.7	3753611.3	488.4	1.40	18.04	0.33	YES	
L0110722	0	0.13893E-03	488457.7	3753572.6	488.0	1.40	18.04	0.33	YES	
L0110723	0	0.13893E-03	488457.7	3753533.8	488.0	1.40	18.04	0.33	YES	

L0110724	0	0.13893E-03	488457.7	3753495.0	488.0	1.40	18.04	0.33	YES
L0110725	0	0.13893E-03	488457.7	3753456.2	487.2	1.40	18.04	0.33	YES
L0110726	0	0.13893E-03	488457.7	3753417.4	485.9	1.40	18.04	0.33	YES
L0110727	0	0.13893E-03	488457.7	3753378.6	485.4	1.40	18.04	0.33	YES
L0110728	0	0.13893E-03	488457.7	3753339.9	484.0	1.40	18.04	0.33	YES
L0110729	0	0.13893E-03	488457.7	3753301.1	482.0	1.40	18.04	0.33	YES
L0110730	0	0.20714E-02	487111.6	3753293.9	488.9	1.70	22.81	0.40	YES
L0110731	0	0.20714E-02	487160.6	3753293.6	488.0	1.70	22.81	0.40	YES
L0110732	0	0.20714E-02	487209.6	3753293.2	486.3	1.70	22.81	0.40	YES
L0110733	0	0.20714E-02	487258.7	3753292.8	484.5	1.70	22.81	0.40	YES
L0110734	0	0.20714E-02	487307.7	3753292.4	486.8	1.70	22.81	0.40	YES
L0110735	0	0.20714E-02	487356.7	3753292.1	488.3	1.70	22.81	0.40	YES
L0110736	0	0.20714E-02	487405.8	3753291.7	488.6	1.70	22.81	0.40	YES
L0110737	0	0.20714E-02	487454.8	3753291.3	487.2	1.70	22.81	0.40	YES
L0110738	0	0.20714E-02	487503.8	3753291.0	486.4	1.70	22.81	0.40	YES
L0110739	0	0.20714E-02	487552.9	3753290.6	487.3	1.70	22.81	0.40	YES
L0110740	0	0.20714E-02	487601.9	3753290.2	486.6	1.70	22.81	0.40	YES
L0110741	0	0.20714E-02	487650.9	3753289.8	486.2	1.70	22.81	0.40	YES
L0110742	0	0.20714E-02	487700.0	3753289.5	482.3	1.70	22.81	0.40	YES
L0110743	0	0.20714E-02	487749.0	3753289.1	483.1	1.70	22.81	0.40	YES
L0110744	0	0.23429E-02	487765.1	3753289.0	484.0	1.60	24.24	0.37	YES
L0110745	0	0.23429E-02	487817.3	3753289.0	485.3	1.60	24.24	0.37	YES
L0110746	0	0.23429E-02	487869.4	3753289.0	483.2	1.60	24.24	0.37	YES
L0110747	0	0.23429E-02	487921.5	3753289.0	483.0	1.60	24.24	0.37	YES
L0110748	0	0.23429E-02	487973.6	3753289.0	484.8	1.60	24.24	0.37	YES
L0110749	0	0.23429E-02	488025.8	3753289.0	485.6	1.60	24.24	0.37	YES
L0110750	0	0.23429E-02	488077.9	3753289.0	485.4	1.60	24.24	0.37	YES
L0110751	0	0.23429E-02	488130.0	3753289.0	485.6	1.60	24.24	0.37	YES

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L0110752	0	0.23429E-02	488182.1	3753289.0	485.6	1.60	24.24	0.37	YES	
L0110753	0	0.23429E-02	488234.2	3753289.0	486.3	1.60	24.24	0.37	YES	
L0110754	0	0.23429E-02	488286.4	3753289.0	484.9	1.60	24.24	0.37	YES	
L0110755	0	0.23429E-02	488338.5	3753289.0	484.4	1.60	24.24	0.37	YES	
L0110756	0	0.23429E-02	488390.6	3753289.0	484.6	1.60	24.24	0.37	YES	
L0110757	0	0.23429E-02	488442.7	3753289.0	483.3	1.60	24.24	0.37	YES	
L0110758	0	0.62000E-02	488445.9	3753289.3	481.6	1.10	18.10	0.26	YES	
L0110759	0	0.62000E-02	488446.3	3753250.4	481.0	1.10	18.10	0.26	YES	
L0110760	0	0.62000E-02	488446.8	3753211.5	480.1	1.10	18.10	0.26	YES	
L0110761	0	0.62000E-02	488447.2	3753172.6	479.0	1.10	18.10	0.26	YES	
L0110762	0	0.62000E-02	488447.7	3753133.7	478.5	1.10	18.10	0.26	YES	
L0110763	0	0.62000E-02	488448.1	3753094.8	478.0	1.10	18.10	0.26	YES	
L0110764	0	0.62000E-02	488448.5	3753055.9	477.0	1.10	18.10	0.26	YES	
L0110765	0	0.62000E-02	488449.0	3753017.0	477.0	1.10	18.10	0.26	YES	
L0110766	0	0.62000E-02	488449.4	3752978.1	477.7	1.10	18.10	0.26	YES	
L0110767	0	0.62000E-02	488449.8	3752939.2	479.0	1.10	18.10	0.26	YES	
L0110768	0	0.62000E-02	488450.3	3752900.3	478.0	1.10	18.10	0.26	YES	
L0110769	0	0.62000E-02	488450.7	3752861.4	478.0	1.10	18.10	0.26	YES	
L0110770	0	0.86552E-03	488463.9	3753299.0	481.8	1.50	23.53	0.35	YES	
L0110771	0	0.86552E-03	488514.5	3753298.8	480.9	1.50	23.53	0.35	YES	
L0110772	0	0.86552E-03	488565.1	3753298.7	482.3	1.50	23.53	0.35	YES	
L0110773	0	0.86552E-03	488615.7	3753298.5	484.1	1.50	23.53	0.35	YES	
L0110774	0	0.86552E-03	488666.3	3753298.3	483.2	1.50	23.53	0.35	YES	
L0110775	0	0.86552E-03	488716.9	3753298.1	482.0	1.50	23.53	0.35	YES	
L0110776	0	0.86552E-03	488767.5	3753298.0	482.1	1.50	23.53	0.35	YES	
L0110777	0	0.86552E-03	488818.1	3753297.8	481.1	1.50	23.53	0.35	YES	
L0110778	0	0.86552E-03	488868.7	3753297.6	482.1	1.50	23.53	0.35	YES	
L0110779	0	0.86552E-03	488919.3	3753297.4	483.4	1.50	23.53	0.35	YES	
L0110780	0	0.86552E-03	488969.9	3753297.3	485.9	1.50	23.53	0.35	YES	
L0110781	0	0.86552E-03	489020.5	3753297.1	484.2	1.50	23.53	0.35	YES	
L0110782	0	0.86552E-03	489071.1	3753296.9	484.8	1.50	23.53	0.35	YES	
L0110783	0	0.86552E-03	489121.6	3753296.7	484.9	1.50	23.53	0.35	YES	
L0110784	0	0.86552E-03	489172.2	3753296.5	486.5	1.50	23.53	0.35	YES	
L0110785	0	0.86552E-03	489222.8	3753296.4	491.6	1.50	23.53	0.35	YES	
L0110786	0	0.86552E-03	489273.4	3753296.2	494.4	1.50	23.53	0.35	YES	
L0110787	0	0.86552E-03	489324.0	3753296.0	490.5	1.50	23.53	0.35	YES	
L0110788	0	0.86552E-03	489374.6	3753295.8	489.1	1.50	23.53	0.35	YES	
L0110789	0	0.86552E-03	489425.2	3753295.7	490.3	1.50	23.53	0.35	YES	
L0110790	0	0.86552E-03	489475.8	3753295.5	490.2	1.50	23.53	0.35	YES	
L0110791	0	0.86552E-03	489526.4	3753295.3	490.5	1.50	23.53	0.35	YES	

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L0110792	0	0.86552E-03	489577.0	3753295.1	493.0	1.50	23.53	0.35	YES	
L0110793	0	0.86552E-03	489627.6	3753295.0	493.4	1.50	23.53	0.35	YES	
L0110794	0	0.86552E-03	489678.2	3753294.8	495.6	1.50	23.53	0.35	YES	
L0110795	0	0.86552E-03	489728.8	3753294.6	496.8	1.50	23.53	0.35	YES	
L0110796	0	0.86552E-03	489779.4	3753294.4	493.4	1.50	23.53	0.35	YES	
L0110797	0	0.86552E-03	489830.0	3753294.3	489.2	1.50	23.53	0.35	YES	
L0110798	0	0.86552E-03	489880.6	3753294.1	491.6	1.50	23.53	0.35	YES	
L0110799	0	0.15850E-02	489900.7	3753294.2	492.8	1.70	22.24	0.40	YES	
L0110800	0	0.15850E-02	489944.6	3753313.0	493.7	1.70	22.24	0.40	YES	
L0110801	0	0.15850E-02	489983.0	3753340.6	494.3	1.70	22.24	0.40	YES	

L0110802	0	0.15850E-02	490018.7	3753372.4	497.3	1.70	22.24	0.40	YES
L0110803	0	0.15850E-02	490054.3	3753404.3	500.6	1.70	22.24	0.40	YES
L0110804	0	0.15850E-02	490090.0	3753436.1	502.5	1.70	22.24	0.40	YES
L0110805	0	0.46231E-02	489898.8	3753280.5	492.3	1.10	15.51	0.26	YES
L0110806	0	0.46231E-02	489899.2	3753247.1	490.4	1.10	15.51	0.26	YES
L0110807	0	0.46231E-02	489899.6	3753213.8	488.2	1.10	15.51	0.26	YES
L0110808	0	0.46231E-02	489900.0	3753180.4	487.0	1.10	15.51	0.26	YES
L0110809	0	0.46231E-02	489900.4	3753147.1	488.3	1.10	15.51	0.26	YES
L0110810	0	0.46231E-02	489900.8	3753113.7	491.0	1.10	15.51	0.26	YES
L0110811	0	0.46231E-02	489901.2	3753080.4	490.6	1.10	15.51	0.26	YES
L0110812	0	0.46231E-02	489901.6	3753047.0	489.0	1.10	15.51	0.26	YES
L0110813	0	0.46231E-02	489902.0	3753013.7	487.3	1.10	15.51	0.26	YES
L0110814	0	0.46231E-02	489902.4	3752980.3	486.2	1.10	15.51	0.26	YES
L0110815	0	0.46231E-02	489902.8	3752947.0	484.6	1.10	15.51	0.26	YES
L0110816	0	0.46231E-02	489903.2	3752913.6	482.5	1.10	15.51	0.26	YES
L0110817	0	0.46231E-02	489903.6	3752880.3	480.4	1.10	15.51	0.26	YES
L0110818	0	0.34455E-02	489917.3	3752867.0	481.7	1.10	15.35	0.26	YES
L0110819	0	0.34455E-02	489950.3	3752867.9	483.0	1.10	15.35	0.26	YES
L0110820	0	0.34455E-02	489983.2	3752868.9	484.0	1.10	15.35	0.26	YES
L0110821	0	0.34455E-02	490016.2	3752869.8	484.9	1.10	15.35	0.26	YES
L0110822	0	0.34455E-02	490049.2	3752870.8	486.1	1.10	15.35	0.26	YES
L0110823	0	0.34455E-02	490082.2	3752871.7	485.7	1.10	15.35	0.26	YES
L0110824	0	0.34455E-02	490115.2	3752872.7	485.9	1.10	15.35	0.26	YES
L0110825	0	0.34455E-02	490148.1	3752873.7	486.6	1.10	15.35	0.26	YES
L0110826	0	0.34455E-02	490181.1	3752874.6	486.0	1.10	15.35	0.26	YES
L0110827	0	0.34455E-02	490214.1	3752875.6	484.1	1.10	15.35	0.26	YES
L0110828	0	0.34455E-02	490247.1	3752876.5	482.6	1.10	15.35	0.26	YES
L0110829	0	0.37727E-03	488454.3	3752857.1	478.0	1.70	15.60	0.40	YES
L0110830	0	0.37727E-03	488487.8	3752858.9	478.7	1.70	15.60	0.40	YES
L0110831	0	0.37727E-03	488521.3	3752860.6	477.6	1.70	15.60	0.40	YES

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0110832	0	0.37727E-03	488554.8	3752862.3	475.5	1.70	15.60	0.40	YES	
L0110833	0	0.37727E-03	488588.3	3752864.1	475.3	1.70	15.60	0.40	YES	
L0110834	0	0.37727E-03	488621.7	3752865.8	476.6	1.70	15.60	0.40	YES	
L0110835	0	0.37727E-03	488655.2	3752867.6	478.0	1.70	15.60	0.40	YES	
L0110836	0	0.37727E-03	488688.7	3752869.3	478.5	1.70	15.60	0.40	YES	
L0110837	0	0.37727E-03	488722.2	3752871.1	477.6	1.70	15.60	0.40	YES	
L0110838	0	0.37727E-03	488755.7	3752872.8	477.4	1.70	15.60	0.40	YES	
L0110839	0	0.37727E-03	488789.2	3752874.6	478.3	1.70	15.60	0.40	YES	
L0110840	0	0.37727E-03	488822.6	3752876.3	478.2	1.70	15.60	0.40	YES	
L0110841	0	0.37727E-03	488856.1	3752878.1	478.1	1.70	15.60	0.40	YES	
L0110842	0	0.37727E-03	488889.6	3752879.8	478.0	1.70	15.60	0.40	YES	
L0110843	0	0.37727E-03	488923.1	3752881.6	477.7	1.70	15.60	0.40	YES	
L0110844	0	0.37727E-03	488956.6	3752883.3	478.2	1.70	15.60	0.40	YES	
L0110845	0	0.37727E-03	488990.1	3752885.1	479.7	1.70	15.60	0.40	YES	
L0110846	0	0.37727E-03	489023.5	3752886.8	481.4	1.70	15.60	0.40	YES	
L0110847	0	0.37727E-03	489057.1	3752886.3	482.7	1.70	15.60	0.40	YES	
L0110848	0	0.37727E-03	489090.6	3752885.7	481.8	1.70	15.60	0.40	YES	
L0110849	0	0.37727E-03	489124.1	3752885.1	480.7	1.70	15.60	0.40	YES	
L0110850	0	0.37727E-03	489157.6	3752884.5	479.8	1.70	15.60	0.40	YES	
L0110851	0	0.37727E-03	489191.2	3752884.0	478.8	1.70	15.60	0.40	YES	
L0110852	0	0.37727E-03	489224.7	3752883.4	478.7	1.70	15.60	0.40	YES	
L0110853	0	0.37727E-03	489258.2	3752882.8	479.7	1.70	15.60	0.40	YES	
L0110854	0	0.37727E-03	489291.7	3752882.2	480.1	1.70	15.60	0.40	YES	
L0110855	0	0.37727E-03	489325.3	3752881.7	480.1	1.70	15.60	0.40	YES	
L0110856	0	0.37727E-03	489358.8	3752881.1	480.1	1.70	15.60	0.40	YES	
L0110857	0	0.37727E-03	489392.3	3752880.5	480.0	1.70	15.60	0.40	YES	
L0110858	0	0.37727E-03	489425.8	3752879.9	480.2	1.70	15.60	0.40	YES	
L0110859	0	0.37727E-03	489459.4	3752879.4	481.3	1.70	15.60	0.40	YES	
L0110860	0	0.37727E-03	489492.9	3752878.8	481.9	1.70	15.60	0.40	YES	
L0110861	0	0.37727E-03	489526.4	3752878.2	481.9	1.70	15.60	0.40	YES	
L0110862	0	0.37727E-03	489559.9	3752877.6	482.5	1.70	15.60	0.40	YES	
L0110863	0	0.37727E-03	489593.5	3752877.1	483.5	1.70	15.60	0.40	YES	
L0110864	0	0.37727E-03	489627.0	3752876.5	484.7	1.70	15.60	0.40	YES	
L0110865	0	0.37727E-03	489660.5	3752875.9	484.9	1.70	15.60	0.40	YES	
L0110866	0	0.37727E-03	489694.0	3752875.3	483.8	1.70	15.60	0.40	YES	
L0110867	0	0.37727E-03	489727.6	3752874.8	484.1	1.70	15.60	0.40	YES	
L0110868	0	0.37727E-03	489761.1	3752874.2	485.3	1.70	15.60	0.40	YES	
L0110869	0	0.37727E-03	489794.6	3752873.6	484.9	1.70	15.60	0.40	YES	
L0110870	0	0.37727E-03	489828.1	3752873.0	482.8	1.70	15.60	0.40	YES	
L0110871	0	0.37727E-03	489861.7	3752872.5	480.7	1.70	15.60	0.40	YES	

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L0110872	0	0.37727E-03	489895.2	3752871.9	480.3	1.70	15.60	0.40	YES	
L0110873	0	0.83793E-03	488256.0	3755293.6	547.9	1.60	9.20	0.37	YES	
L0110874	0	0.83793E-03	488263.4	3755275.3	547.8	1.60	9.20	0.37	YES	
L0110875	0	0.83793E-03	488270.8	3755256.9	547.0	1.60	9.20	0.37	YES	
L0110876	0	0.83793E-03	488278.2	3755238.6	546.1	1.60	9.20	0.37	YES	
L0110877	0	0.83793E-03	488285.6	3755220.3	545.6	1.60	9.20	0.37	YES	
L0110878	0	0.83793E-03	488293.0	3755201.9	546.3	1.60	9.20	0.37	YES	
L0110879	0	0.83793E-03	488300.4	3755183.6	546.5	1.60	9.20	0.37	YES	

L0110880	0	0.83793E-03	488307.8	3755165.2	546.1	1.60	9.20	0.37	YES
L0110881	0	0.83793E-03	488315.2	3755146.9	545.5	1.60	9.20	0.37	YES
L0110882	0	0.83793E-03	488322.7	3755128.6	544.2	1.60	9.20	0.37	YES
L0110883	0	0.83793E-03	488330.1	3755110.2	541.8	1.60	9.20	0.37	YES
L0110884	0	0.83793E-03	488337.5	3755091.9	539.3	1.60	9.20	0.37	YES
L0110885	0	0.83793E-03	488344.9	3755073.6	537.2	1.60	9.20	0.37	YES
L0110886	0	0.83793E-03	488352.3	3755055.2	535.1	1.60	9.20	0.37	YES
L0110887	0	0.83793E-03	488359.7	3755036.9	533.0	1.60	9.20	0.37	YES
L0110888	0	0.83793E-03	488367.1	3755018.5	531.5	1.60	9.20	0.37	YES
L0110889	0	0.83793E-03	488374.5	3755000.2	530.1	1.60	9.20	0.37	YES
L0110890	0	0.83793E-03	488381.9	3754981.9	528.9	1.60	9.20	0.37	YES
L0110891	0	0.83793E-03	488389.3	3754963.5	527.8	1.60	9.20	0.37	YES
L0110892	0	0.83793E-03	488396.7	3754945.2	527.0	1.60	9.20	0.37	YES
L0110893	0	0.83793E-03	488404.1	3754926.9	527.9	1.60	9.20	0.37	YES
L0110894	0	0.83793E-03	488411.5	3754908.5	527.8	1.60	9.20	0.37	YES
L0110895	0	0.83793E-03	488418.9	3754890.2	527.3	1.60	9.20	0.37	YES
L0110896	0	0.83793E-03	488426.3	3754871.8	526.6	1.60	9.20	0.37	YES
L0110897	0	0.83793E-03	488433.7	3754853.5	525.6	1.60	9.20	0.37	YES
L0110898	0	0.83793E-03	488441.1	3754835.2	524.3	1.60	9.20	0.37	YES
L0110899	0	0.83793E-03	488448.6	3754816.8	526.0	1.60	9.20	0.37	YES
L0110900	0	0.83793E-03	488456.0	3754798.5	526.0	1.60	9.20	0.37	YES
L0110901	0	0.83793E-03	488463.4	3754780.1	526.5	1.60	9.20	0.37	YES
L0110902	0	0.63303E-03	488468.1	3754776.1	526.4	1.70	9.32	0.40	YES
L0110903	0	0.63303E-03	488477.9	3754758.6	526.0	1.70	9.32	0.40	YES
L0110904	0	0.63303E-03	488487.7	3754741.2	525.2	1.70	9.32	0.40	YES
L0110905	0	0.63303E-03	488497.6	3754723.7	524.2	1.70	9.32	0.40	YES
L0110906	0	0.63303E-03	488507.4	3754706.3	524.0	1.70	9.32	0.40	YES
L0110907	0	0.63303E-03	488517.3	3754688.8	524.0	1.70	9.32	0.40	YES
L0110908	0	0.63303E-03	488527.1	3754671.4	523.4	1.70	9.32	0.40	YES
L0110909	0	0.63303E-03	488536.9	3754653.9	522.3	1.70	9.32	0.40	YES
L0110910	0	0.63303E-03	488546.8	3754636.5	521.4	1.70	9.32	0.40	YES
L0110911	0	0.63303E-03	488556.6	3754619.0	521.6	1.70	9.32	0.40	YES

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0110912	0	0.63303E-03	488566.5	3754601.6	521.8	1.70	9.32	0.40	YES	
L0110913	0	0.63303E-03	488576.3	3754584.1	522.3	1.70	9.32	0.40	YES	
L0110914	0	0.63303E-03	488586.1	3754566.7	523.1	1.70	9.32	0.40	YES	
L0110915	0	0.63303E-03	488596.0	3754549.2	522.9	1.70	9.32	0.40	YES	
L0110916	0	0.63303E-03	488605.8	3754531.8	521.8	1.70	9.32	0.40	YES	
L0110917	0	0.63303E-03	488615.6	3754514.3	522.2	1.70	9.32	0.40	YES	
L0110918	0	0.63303E-03	488625.5	3754496.9	522.8	1.70	9.32	0.40	YES	
L0110919	0	0.63303E-03	488635.3	3754479.4	522.4	1.70	9.32	0.40	YES	
L0110920	0	0.63303E-03	488645.2	3754462.0	521.2	1.70	9.32	0.40	YES	
L0110921	0	0.63303E-03	488655.0	3754444.5	519.2	1.70	9.32	0.40	YES	
L0110922	0	0.63303E-03	488664.8	3754427.1	517.5	1.70	9.32	0.40	YES	
L0110923	0	0.63303E-03	488674.7	3754409.6	516.1	1.70	9.32	0.40	YES	
L0110924	0	0.63303E-03	488684.5	3754392.2	514.7	1.70	9.32	0.40	YES	
L0110925	0	0.63303E-03	488694.4	3754374.7	513.0	1.70	9.32	0.40	YES	
L0110926	0	0.63303E-03	488704.2	3754357.3	512.6	1.70	9.32	0.40	YES	
L0110927	0	0.63303E-03	488714.0	3754339.8	513.6	1.70	9.32	0.40	YES	
L0110928	0	0.63303E-03	488723.9	3754322.4	514.6	1.70	9.32	0.40	YES	
L0110929	0	0.63303E-03	488734.7	3754305.7	514.4	1.70	9.32	0.40	YES	
L0110930	0	0.63303E-03	488750.1	3754293.0	513.4	1.70	9.32	0.40	YES	
L0110931	0	0.63303E-03	488765.6	3754280.2	511.6	1.70	9.32	0.40	YES	
L0110932	0	0.63303E-03	488781.0	3754267.5	510.4	1.70	9.32	0.40	YES	
L0110933	0	0.63303E-03	488796.5	3754254.7	509.9	1.70	9.32	0.40	YES	
L0110934	0	0.63303E-03	488811.9	3754241.9	510.0	1.70	9.32	0.40	YES	
L0110935	0	0.63303E-03	488827.4	3754229.2	510.2	1.70	9.32	0.40	YES	
L0110936	0	0.63303E-03	488842.8	3754216.4	510.0	1.70	9.32	0.40	YES	
L0110937	0	0.63303E-03	488858.2	3754203.7	509.8	1.70	9.32	0.40	YES	
L0110938	0	0.63303E-03	488873.7	3754190.9	510.6	1.70	9.32	0.40	YES	
L0110939	0	0.63303E-03	488889.1	3754178.1	511.4	1.70	9.32	0.40	YES	
L0110940	0	0.63303E-03	488904.6	3754165.4	511.7	1.70	9.32	0.40	YES	
L0110941	0	0.63303E-03	488920.0	3754152.6	511.6	1.70	9.32	0.40	YES	
L0110942	0	0.63303E-03	488935.5	3754139.9	511.0	1.70	9.32	0.40	YES	
L0110943	0	0.63303E-03	488950.9	3754127.1	510.6	1.70	9.32	0.40	YES	
L0110944	0	0.63303E-03	488966.7	3754114.8	510.2	1.70	9.32	0.40	YES	
L0110945	0	0.63303E-03	488983.8	3754104.4	507.7	1.70	9.32	0.40	YES	
L0110946	0	0.63303E-03	489000.9	3754093.9	504.9	1.70	9.32	0.40	YES	
L0110947	0	0.63303E-03	489018.0	3754083.5	503.6	1.70	9.32	0.40	YES	
L0110948	0	0.63303E-03	489035.1	3754073.0	502.8	1.70	9.32	0.40	YES	
L0110949	0	0.63303E-03	489052.2	3754062.6	503.0	1.70	9.32	0.40	YES	
L0110950	0	0.63303E-03	489069.3	3754052.2	503.4	1.70	9.32	0.40	YES	
L0110951	0	0.63303E-03	489086.4	3754041.7	503.3	1.70	9.32	0.40	YES	

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L0110952	0	0.63303E-03	489103.5	3754031.3	502.8	1.70	9.32	0.40	YES	
L0110953	0	0.63303E-03	489120.6	3754020.8	502.0	1.70	9.32	0.40	YES	
L0110954	0	0.63303E-03	489137.7	3754010.4	500.9	1.70	9.32	0.40	YES	
L0110955	0	0.63303E-03	489154.8	3754000.0	499.5	1.70	9.32	0.40	YES	
L0110956	0	0.63303E-03	489171.9	3753989.5	498.3	1.70	9.32	0.40	YES	
L0110957	0	0.63303E-03	489189.0	3753979.1	498.7	1.70	9.32	0.40	YES	

L0110958	0	0.63303E-03	489206.1	3753968.6	499.2	1.70	9.32	0.40	YES
L0110959	0	0.63303E-03	489223.2	3753958.2	499.4	1.70	9.32	0.40	YES
L0110960	0	0.63303E-03	489240.2	3753947.8	499.2	1.70	9.32	0.40	YES
L0110961	0	0.63303E-03	489257.3	3753937.3	498.5	1.70	9.32	0.40	YES
L0110962	0	0.63303E-03	489274.4	3753926.9	498.0	1.70	9.32	0.40	YES
L0110963	0	0.63303E-03	489291.5	3753916.4	498.0	1.70	9.32	0.40	YES
L0110964	0	0.63303E-03	489308.6	3753906.0	497.9	1.70	9.32	0.40	YES
L0110965	0	0.63303E-03	489325.7	3753895.6	498.0	1.70	9.32	0.40	YES
L0110966	0	0.63303E-03	489342.8	3753885.1	497.6	1.70	9.32	0.40	YES
L0110967	0	0.63303E-03	489359.9	3753874.7	497.0	1.70	9.32	0.40	YES
L0110968	0	0.63303E-03	489377.0	3753864.2	497.5	1.70	9.32	0.40	YES
L0110969	0	0.63303E-03	489394.1	3753853.8	497.5	1.70	9.32	0.40	YES
L0110970	0	0.63303E-03	489411.2	3753843.4	497.2	1.70	9.32	0.40	YES
L0110971	0	0.63303E-03	489428.3	3753832.9	497.2	1.70	9.32	0.40	YES
L0110972	0	0.63303E-03	489445.4	3753822.5	497.1	1.70	9.32	0.40	YES
L0110973	0	0.63303E-03	489462.5	3753812.0	497.8	1.70	9.32	0.40	YES
L0110974	0	0.63303E-03	489479.6	3753801.6	498.7	1.70	9.32	0.40	YES
L0110975	0	0.63303E-03	489496.7	3753791.2	498.9	1.70	9.32	0.40	YES
L0110976	0	0.63303E-03	489513.8	3753780.7	499.2	1.70	9.32	0.40	YES
L0110977	0	0.63303E-03	489530.9	3753770.3	499.7	1.70	9.32	0.40	YES
L0110978	0	0.63303E-03	489548.0	3753759.8	499.9	1.70	9.32	0.40	YES
L0110979	0	0.63303E-03	489565.1	3753749.4	500.0	1.70	9.32	0.40	YES
L0110980	0	0.63303E-03	489582.2	3753739.0	500.0	1.70	9.32	0.40	YES
L0110981	0	0.63303E-03	489599.3	3753728.5	500.3	1.70	9.32	0.40	YES
L0110982	0	0.63303E-03	489616.4	3753718.1	500.9	1.70	9.32	0.40	YES
L0110983	0	0.63303E-03	489633.5	3753707.6	500.8	1.70	9.32	0.40	YES
L0110984	0	0.63303E-03	489650.6	3753697.2	500.2	1.70	9.32	0.40	YES
L0110985	0	0.63303E-03	489667.7	3753686.8	499.6	1.70	9.32	0.40	YES
L0110986	0	0.63303E-03	489684.8	3753676.3	498.6	1.70	9.32	0.40	YES
L0110987	0	0.63303E-03	489701.9	3753665.9	499.3	1.70	9.32	0.40	YES
L0110988	0	0.63303E-03	489719.0	3753655.4	500.9	1.70	9.32	0.40	YES
L0110989	0	0.63303E-03	489736.1	3753645.0	502.3	1.70	9.32	0.40	YES
L0110990	0	0.63303E-03	489753.2	3753634.6	503.2	1.70	9.32	0.40	YES
L0110991	0	0.63303E-03	489770.3	3753624.1	502.8	1.70	9.32	0.40	YES

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0110992	0	0.63303E-03	489787.4	3753613.7	502.6	1.70	9.32	0.40	YES	
L0110993	0	0.63303E-03	489804.5	3753603.2	502.2	1.70	9.32	0.40	YES	
L0110994	0	0.63303E-03	489821.6	3753592.8	501.5	1.70	9.32	0.40	YES	
L0110995	0	0.63303E-03	489838.7	3753582.4	500.8	1.70	9.32	0.40	YES	
L0110996	0	0.63303E-03	489855.8	3753571.9	501.1	1.70	9.32	0.40	YES	
L0110997	0	0.63303E-03	489872.9	3753561.5	502.2	1.70	9.32	0.40	YES	
L0110998	0	0.63303E-03	489890.0	3753551.0	503.3	1.70	9.32	0.40	YES	
L0110999	0	0.63303E-03	489907.1	3753540.6	504.2	1.70	9.32	0.40	YES	
L0111000	0	0.63303E-03	489924.2	3753530.2	504.1	1.70	9.32	0.40	YES	
L0111001	0	0.63303E-03	489941.3	3753519.7	503.8	1.70	9.32	0.40	YES	
L0111002	0	0.63303E-03	489958.4	3753509.3	502.9	1.70	9.32	0.40	YES	
L0111003	0	0.63303E-03	489975.5	3753498.8	501.7	1.70	9.32	0.40	YES	
L0111004	0	0.63303E-03	489992.6	3753488.4	500.9	1.70	9.32	0.40	YES	
L0111005	0	0.63303E-03	490009.7	3753478.0	500.6	1.70	9.32	0.40	YES	
L0111006	0	0.63303E-03	490026.7	3753467.5	500.6	1.70	9.32	0.40	YES	
L0111007	0	0.63303E-03	490043.8	3753457.1	500.2	1.70	9.32	0.40	YES	
L0111008	0	0.63303E-03	490060.9	3753446.6	500.8	1.70	9.32	0.40	YES	
L0111009	0	0.63303E-03	490078.0	3753436.2	501.9	1.70	9.32	0.40	YES	
L0111010	0	0.63303E-03	490095.1	3753425.8	502.6	1.70	9.32	0.40	YES	
L0111011	0	0.73846E-04	490104.1	3753442.3	503.4	1.90	9.38	0.44	YES	
L0111012	0	0.73846E-04	490121.5	3753432.0	503.6	1.90	9.38	0.44	YES	
L0111013	0	0.73846E-04	490138.9	3753421.8	502.3	1.90	9.38	0.44	YES	
L0111014	0	0.73846E-04	490156.2	3753411.5	502.4	1.90	9.38	0.44	YES	
L0111015	0	0.73846E-04	490173.6	3753401.2	502.2	1.90	9.38	0.44	YES	
L0111016	0	0.73846E-04	490191.0	3753391.0	501.1	1.90	9.38	0.44	YES	
L0111017	0	0.73846E-04	490208.3	3753380.7	500.6	1.90	9.38	0.44	YES	
L0111018	0	0.73846E-04	490225.7	3753370.4	500.8	1.90	9.38	0.44	YES	
L0111019	0	0.73846E-04	490243.1	3753360.2	501.4	1.90	9.38	0.44	YES	
L0111020	0	0.73846E-04	490260.4	3753349.9	501.3	1.90	9.38	0.44	YES	
L0111021	0	0.73846E-04	490277.8	3753339.7	499.5	1.90	9.38	0.44	YES	
L0111022	0	0.73846E-04	490295.2	3753329.4	497.8	1.90	9.38	0.44	YES	
L0111023	0	0.73846E-04	490312.5	3753319.1	496.6	1.90	9.38	0.44	YES	
L0111024	0	0.73846E-04	490329.9	3753308.9	495.7	1.90	9.38	0.44	YES	
L0111025	0	0.73846E-04	490347.3	3753298.6	495.0	1.90	9.38	0.44	YES	
L0111026	0	0.73846E-04	490364.6	3753288.3	495.1	1.90	9.38	0.44	YES	
L0111027	0	0.73846E-04	490382.0	3753278.1	495.4	1.90	9.38	0.44	YES	
L0111028	0	0.73846E-04	490399.4	3753267.8	495.7	1.90	9.38	0.44	YES	
L0111029	0	0.73846E-04	490416.7	3753257.6	496.4	1.90	9.38	0.44	YES	
L0111030	0	0.73846E-04	490434.1	3753247.3	496.3	1.90	9.38	0.44	YES	
L0111031	0	0.73846E-04	490451.5	3753237.0	495.4	1.90	9.38	0.44	YES	

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111032	0	0.73846E-04	490468.8	3753226.8	493.8	1.90	9.38	0.44	YES	
L0111033	0	0.73846E-04	490486.2	3753216.5	491.9	1.90	9.38	0.44	YES	
L0111034	0	0.73846E-04	490503.6	3753206.2	490.8	1.90	9.38	0.44	YES	
L0111035	0	0.73846E-04	490520.9	3753196.0	489.8	1.90	9.38	0.44	YES	

L0111036	0	0.73846E-04	490538.3	3753185.7	489.2	1.90	9.38	0.44	YES
L0111037	0	0.73846E-04	490555.7	3753175.5	488.9	1.90	9.38	0.44	YES
L0111038	0	0.73846E-04	490573.0	3753165.2	489.4	1.90	9.38	0.44	YES
L0111039	0	0.73846E-04	490590.4	3753154.9	490.2	1.90	9.38	0.44	YES
L0111040	0	0.73846E-04	490607.8	3753144.7	491.2	1.90	9.38	0.44	YES
L0111041	0	0.73846E-04	490625.1	3753134.4	491.9	1.90	9.38	0.44	YES
L0111042	0	0.73846E-04	490642.5	3753124.1	491.4	1.90	9.38	0.44	YES
L0111043	0	0.73846E-04	490657.6	3753111.4	489.4	1.90	9.38	0.44	YES
L0111044	0	0.73846E-04	490669.5	3753095.1	487.1	1.90	9.38	0.44	YES
L0111045	0	0.73846E-04	490681.4	3753078.8	485.6	1.90	9.38	0.44	YES
L0111046	0	0.73846E-04	490693.3	3753062.5	485.1	1.90	9.38	0.44	YES
L0111047	0	0.73846E-04	490705.2	3753046.2	484.5	1.90	9.38	0.44	YES
L0111048	0	0.73846E-04	490717.1	3753029.9	484.2	1.90	9.38	0.44	YES
L0111049	0	0.73846E-04	490729.0	3753013.6	483.7	1.90	9.38	0.44	YES
L0111050	0	0.73846E-04	490740.9	3752997.3	482.8	1.90	9.38	0.44	YES
L0111051	0	0.73846E-04	490752.8	3752981.1	481.0	1.90	9.38	0.44	YES
L0111052	0	0.73846E-04	490764.7	3752964.8	478.8	1.90	9.38	0.44	YES
L0111053	0	0.73846E-04	490776.6	3752948.5	477.9	1.90	9.38	0.44	YES
L0111054	0	0.73846E-04	490788.4	3752932.2	478.1	1.90	9.38	0.44	YES
L0111055	0	0.73846E-04	490800.3	3752915.9	478.2	1.90	9.38	0.44	YES
L0111056	0	0.73846E-04	490812.2	3752899.6	477.2	1.90	9.38	0.44	YES
L0111057	0	0.73846E-04	490824.1	3752883.3	475.5	1.90	9.38	0.44	YES
L0111058	0	0.73846E-04	490836.0	3752867.0	474.1	1.90	9.38	0.44	YES
L0111059	0	0.73846E-04	490847.9	3752850.7	473.1	1.90	9.38	0.44	YES
L0111060	0	0.73846E-04	490859.8	3752834.4	473.0	1.90	9.38	0.44	YES
L0111061	0	0.73846E-04	490871.7	3752818.1	473.0	1.90	9.38	0.44	YES
L0111062	0	0.73846E-04	490883.6	3752801.8	473.0	1.90	9.38	0.44	YES
L0111063	0	0.73846E-04	490895.5	3752785.5	472.9	1.90	9.38	0.44	YES
L0111064	0	0.73846E-04	490907.4	3752769.2	472.3	1.90	9.38	0.44	YES
L0111065	0	0.73846E-04	490919.2	3752752.9	472.0	1.90	9.38	0.44	YES
L0111066	0	0.73846E-04	490931.1	3752736.6	472.4	1.90	9.38	0.44	YES
L0111067	0	0.73846E-04	490943.0	3752720.3	472.8	1.90	9.38	0.44	YES
L0111068	0	0.73846E-04	490954.9	3752704.0	473.0	1.90	9.38	0.44	YES
L0111069	0	0.73846E-04	490966.8	3752687.7	472.6	1.90	9.38	0.44	YES
L0111070	0	0.73846E-04	490978.7	3752671.4	472.1	1.90	9.38	0.44	YES
L0111071	0	0.73846E-04	490990.6	3752655.1	471.5	1.90	9.38	0.44	YES

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111072	0	0.73846E-04	491002.5	3752638.8	471.0	1.90	9.38	0.44	YES	
L0111073	0	0.73846E-04	491014.4	3752622.6	471.7	1.90	9.38	0.44	YES	
L0111074	0	0.73846E-04	491026.3	3752606.3	472.4	1.90	9.38	0.44	YES	
L0111075	0	0.73846E-04	491038.2	3752590.0	472.2	1.90	9.38	0.44	YES	
L0111076	0	0.73846E-04	491050.1	3752573.7	471.2	1.90	9.38	0.44	YES	
L0111077	0	0.73846E-04	491061.9	3752557.4	470.7	1.90	9.38	0.44	YES	
L0111078	0	0.73846E-04	491073.8	3752541.1	470.8	1.90	9.38	0.44	YES	
L0111079	0	0.73846E-04	491085.7	3752524.8	471.0	1.90	9.38	0.44	YES	
L0111080	0	0.73846E-04	491097.6	3752508.5	470.7	1.90	9.38	0.44	YES	
L0111081	0	0.73846E-04	491109.5	3752492.2	468.3	1.90	9.38	0.44	YES	
L0111082	0	0.73846E-04	491121.4	3752475.9	465.7	1.90	9.38	0.44	YES	
L0111083	0	0.73846E-04	491133.3	3752459.6	464.0	1.90	9.38	0.44	YES	
L0111084	0	0.73846E-04	491145.2	3752443.3	464.0	1.90	9.38	0.44	YES	
L0111085	0	0.73846E-04	491157.1	3752427.0	464.3	1.90	9.38	0.44	YES	
L0111086	0	0.73846E-04	491169.0	3752410.7	461.9	1.90	9.38	0.44	YES	
L0111087	0	0.73846E-04	491180.9	3752394.4	460.3	1.90	9.38	0.44	YES	
L0111088	0	0.73846E-04	491192.7	3752378.1	460.5	1.90	9.38	0.44	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
PHASE1	0	0.91500E-08	485577.5	3755020.4	527.6	3.40	11	0.00	YES	
PHASE2	0	0.85700E-08	485955.1	3753354.8	492.2	3.40	24	0.00	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs							
ALL	PHASE1 ,	L0110380 ,	L0110381 ,	L0110382 ,	L0110383 ,	L0110384 ,	L0110385 ,	L0110398 ,
	L0110399 ,	L0110400 ,	L0110401 ,	L0110402 ,	L0110403 ,	L0110404 ,	L0110405 ,	L0110406 ,
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	L0110415 ,	L0110416 ,	L0110417 ,	L0110418 ,	L0110419 ,	L0110420 ,	L0110421 ,	L0110422 ,
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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                          ***        11/29/12
                                    *** PM10 - LST ASSESSMENT (NO REFRIGERATION)                        ***        09:02:48
                                                                                                                   PAGE  22
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                         FASTALL

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                 SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                          ***        11/29/12
                                    *** PM10 - LST ASSESSMENT (NO REFRIGERATION)                        ***        09:02:48
                                                                                                                   PAGE  23
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                         FASTALL

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                 SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                                  ***        11/29/12
                                    *** PM10 - LST ASSESSMENT (NO REFRIGERATION)                                ***        09:02:48
                                                                                                                           PAGE  24
 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***
 GROUP ID                                                   SOURCE IDs

          L0110871    , L0110872    , L0110873    , L0110874    , L0110875    , L0110876    , L0110877    , L0110878    ,
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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                                  ***        11/29/12
                                    *** PM10 - LST ASSESSMENT (NO REFRIGERATION)                                ***        09:02:48
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 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***
 GROUP ID                                                   SOURCE IDs

          L0111031    , L0111032    , L0111033    , L0111034    , L0111035    , L0111036    , L0111037    , L0111038    ,
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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                                  ***        11/29/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

461553.0, 462553.0, 463553.0, 464553.0, 465553.0, 466553.0, 467553.0, 468553.0, 469553.0, 470553.0,
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501553.0, 502553.0, 503553.0, 504553.0, 505553.0,

*** Y-COORDINATES OF GRID ***
(METERS)

3741938.3, 3742938.3, 3743938.3, 3744938.3, 3745938.3, 3746938.3, 3747938.3, 3748938.3, 3749938.3, 3750938.3,
3751938.3, 3752938.3, 3753938.3, 3754938.3, 3755938.3, 3756938.3, 3757938.3, 3758938.3, 3759938.3, 3760938.3,
3761938.3, 3762938.3, 3763938.3, 3764938.3, 3765938.3, 3766938.3, 3767938.3,

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	317.90	315.50	311.70	305.80	301.50	279.60	278.50	272.60	279.20
3766938.31	336.30	305.50	294.90	294.00	283.00	268.30	267.10	395.80	277.90
3765938.31	325.60	405.70	301.30	289.30	287.10	261.20	293.50	397.30	291.80
3764938.31	311.30	365.90	350.10	293.30	273.50	258.00	261.00	288.90	288.10
3763938.31	295.70	394.50	275.10	267.50	248.90	253.00	257.10	276.60	299.60
3762938.31	266.30	266.90	261.00	243.60	247.90	254.20	263.80	281.00	306.80
3761938.31	242.70	240.00	239.10	241.70	250.50	255.90	268.10	287.50	312.50
3760938.31	227.40	232.20	233.60	267.10	260.30	266.80	279.00	295.10	323.80
3759938.31	231.00	227.90	306.60	254.10	267.80	278.00	287.90	303.00	326.30
3758938.31	225.00	236.10	253.00	263.10	271.10	278.30	294.20	306.30	325.20
3757938.31	242.90	247.20	257.60	287.20	273.70	269.10	286.50	309.40	333.40
3756938.31	240.20	249.30	257.40	270.00	287.90	314.60	321.20	305.30	333.60
3755938.31	246.00	257.10	266.10	276.80	293.20	340.60	359.10	392.00	355.20
3754938.31	248.50	260.00	276.80	296.00	315.10	378.50	397.50	424.40	446.50
3753938.31	260.60	269.80	285.70	300.20	343.20	384.50	408.70	459.30	492.70
3752938.31	270.20	283.70	306.80	324.20	359.90	410.50	453.20	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	370.10	406.50	435.60	459.70	473.80
3750938.31	302.60	319.90	344.80	357.00	359.90	410.40	467.40	475.40	487.80
3749938.31	329.00	337.50	391.80	442.20	444.30	439.90	466.10	486.40	501.00
3748938.31	396.00	335.40	377.80	424.70	452.80	466.30	492.50	530.60	513.50
3747938.31	427.10	444.20	382.70	398.40	434.20	525.50	527.90	535.40	508.80
3746938.31	441.20	476.80	468.20	415.80	447.50	476.50	480.20	486.90	492.60
3745938.31	443.70	473.10	464.50	438.00	420.80	444.80	467.60	496.10	513.30
3744938.31	430.60	450.90	441.80	434.80	446.20	468.50	540.20	507.00	518.10
3743938.31	417.00	420.10	430.30	443.00	447.20	451.30	469.00	476.40	478.80
3742938.31	435.90	446.30	466.50	498.00	501.00	511.50	481.80	517.80	556.40
3741938.31	474.60	533.00	551.60	552.10	619.20	572.30	597.50	653.00	564.20

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	283.60	289.00	304.20	312.00	323.50	341.00	348.00	353.60	357.50
3766938.31	301.20	333.70	340.60	336.20	384.40	409.90	380.20	386.80	384.50
3765938.31	313.20	342.50	448.10	359.20	407.10	458.80	482.50	461.70	459.60
3764938.31	311.10	346.40	657.00	455.30	395.40	467.20	504.80	545.20	510.30
3763938.31	325.70	353.10	435.90	504.40	420.40	430.90	500.60	554.40	626.90
3762938.31	318.70	356.60	382.20	408.20	498.60	534.40	470.90	509.90	539.10
3761938.31	411.70	551.30	580.90	449.90	615.40	776.00	690.30	617.60	548.30
3760938.31	399.70	469.40	625.60	642.80	582.20	632.10	814.90	830.10	632.90
3759938.31	352.70	380.50	666.10	820.90	599.20	547.70	579.10	784.30	625.60
3758938.31	356.30	404.00	732.30	830.30	615.10	544.90	541.10	565.00	602.60
3757938.31	390.90	429.40	509.10	790.60	782.00	562.30	524.60	545.10	576.90
3756938.31	396.60	462.40	469.80	513.40	695.40	563.20	521.90	516.20	540.60
3755938.31	451.40	484.60	457.40	488.80	514.90	515.10	503.90	508.20	511.80
3754938.31	462.00	468.90	467.80	474.40	483.10	495.10	497.10	497.00	496.10
3753938.31	485.80	444.20	462.50	468.20	470.10	483.70	489.90	488.60	488.00
3752938.31	496.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	499.70	534.90	498.40	478.90	472.10	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	472.60	465.30	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	467.20	456.80	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	476.10	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	454.60	452.80	451.90
3746938.31	525.30	513.50	511.80	533.20	519.10	469.50	454.30	454.50	447.50
3745938.31	546.30	513.20	510.80	517.60	521.80	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	533.40	477.40	461.80	449.40	445.80
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	522.10	528.30	527.90	518.60	512.50	490.80	475.50	452.00	447.80
3741938.31	593.90	581.10	555.50	534.60	537.70	549.40	498.00	460.30	442.90

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	373.90	406.60	408.60	429.30	457.00	476.70	495.00	534.80	562.90
3765938.31	441.20	390.60	450.20	458.00	486.40	516.70	539.40	562.30	602.20
3764938.31	472.90	447.20	408.10	450.00	508.00	549.40	579.80	596.40	630.70
3763938.31	573.90	480.90	465.10	443.30	451.50	526.90	616.60	643.00	665.40
3762938.31	633.40	621.10	497.10	513.60	500.30	473.20	549.60	558.50	597.70
3761938.31	633.80	696.10	578.40	595.10	536.00	493.00	521.50	573.40	589.70
3760938.31	612.70	771.50	774.50	667.50	632.60	595.90	532.50	510.00	543.10
3759938.31	750.20	721.00	823.40	796.40	718.30	624.10	577.90	559.90	566.90
3758938.31	769.50	817.80	682.00	715.80	715.30	649.00	632.00	705.60	627.80
3757938.31	654.20	735.40	726.40	625.20	646.60	603.80	643.90	673.20	703.70
3756938.31	578.40	596.10	632.00	636.80	574.80	581.40	584.90	593.20	633.90
3755938.31	534.90	550.50	557.10	551.80	558.10	556.20	551.80	549.40	578.00
3754938.31	501.90	518.80	513.20	530.30	535.20	537.10	527.60	525.60	526.30
3753938.31	484.50	494.20	500.90	507.30	527.20	515.60	503.90	503.00	496.40
3752938.31	472.20	481.00	482.10	483.90	484.30	487.50	488.10	487.40	479.60
3751938.31	472.00	468.70	466.60	469.20	467.20	475.60	513.80	650.90	533.40
3750938.31	462.20	464.30	454.80	461.90	476.80	531.30	771.00	658.60	548.10
3749938.31	461.90	456.70	491.00	524.00	524.30	563.50	580.90	550.10	513.70
3748938.31	453.60	458.80	528.40	666.50	545.30	516.50	507.70	500.10	534.60
3747938.31	448.80	453.60	630.60	614.60	504.60	497.40	478.00	495.60	566.60
3746938.31	443.40	457.10	486.30	478.00	478.00	478.00	478.00	535.10	465.60
3745938.31	444.60	444.00	451.50	478.00	478.00	478.00	544.70	620.50	435.80
3744938.31	442.20	442.80	446.20	452.70	478.00	491.40	688.80	460.70	434.70
3743938.31	442.20	443.90	443.80	449.80	518.60	704.30	461.70	433.40	439.40
3742938.31	443.00	436.50	441.80	460.50	485.80	462.50	436.60	434.40	437.20
3741938.31	440.00	440.00	443.20	464.70	494.00	451.40	435.10	436.80	444.80

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	585.60	659.90	750.50	849.50	964.60	887.60	799.80	842.60
3766938.31	620.90	644.20	726.40	740.70	749.70	765.90	746.90	783.40	825.20
3765938.31	647.50	671.10	648.30	644.30	667.00	700.80	752.10	785.40	821.00
3764938.31	645.70	628.90	634.80	634.90	658.40	717.30	744.10	769.90	803.90
3763938.31	641.80	636.10	611.10	647.70	662.20	696.20	735.10	762.10	788.90
3762938.31	567.80	579.90	612.80	639.70	683.70	703.20	737.10	760.10	788.60
3761938.31	645.00	662.30	670.20	680.00	684.30	717.00	734.10	758.40	782.00
3760938.31	605.10	665.70	651.20	671.30	699.20	686.90	709.50	748.60	777.00
3759938.31	554.60	565.70	601.70	627.90	662.80	672.60	705.00	707.60	735.00
3758938.31	691.80	646.90	606.20	641.40	617.10	646.90	656.00	701.50	705.00
3757938.31	708.00	700.40	691.40	714.50	700.80	636.00	691.20	708.50	717.50
3756938.31	671.60	698.80	672.20	693.20	762.30	676.60	660.50	722.70	744.70
3755938.31	584.70	625.90	643.00	724.20	685.50	740.50	714.80	678.00	696.50
3754938.31	538.80	559.60	583.70	611.70	661.10	631.20	658.60	711.00	714.10
3753938.31	497.80	504.20	536.20	577.90	576.60	604.60	594.70	629.30	712.60
3752938.31	476.00	484.00	483.20	521.60	511.20	551.60	565.60	597.80	713.90
3751938.31	461.80	464.20	456.50	460.80	483.90	546.20	559.10	588.10	668.30
3750938.31	452.20	443.30	437.30	433.00	456.70	508.60	521.70	564.30	641.50
3749938.31	440.90	437.90	432.30	428.00	441.00	462.30	480.10	618.00	616.20
3748938.31	447.80	435.20	433.30	430.10	431.40	434.70	436.80	562.80	649.90
3747938.31	441.10	433.70	435.40	437.00	430.60	428.00	432.60	441.60	530.80
3746938.31	435.20	470.70	436.80	436.10	434.50	439.70	433.90	437.50	452.70
3745938.31	432.10	434.70	437.10	439.10	440.90	438.60	438.10	435.60	446.20
3744938.31	435.10	440.90	436.10	438.20	441.30	441.00	441.10	438.90	439.20
3743938.31	445.10	447.60	443.00	442.10	473.20	470.40	440.10	441.00	440.30
3742938.31	453.00	463.60	463.40	470.40	558.30	719.10	644.10	446.20	448.60
3741938.31	459.30	477.60	489.00	576.80	623.40	693.40	713.10	512.00	449.70

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM10 - LST ASSESSMENT (NO REFRIGERATION) *** 09:02:48
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	884.20	929.90	993.80	1066.90	1171.60	1243.50	1319.20	1434.80	1630.30
3766938.31	883.00	946.60	1050.80	1085.60	1198.10	1517.00	1503.00	1502.80	1502.40
3765938.31	883.90	1004.20	1177.00	1131.40	1192.90	1410.70	1471.10	1478.60	1400.30
3764938.31	850.10	947.40	1013.60	1008.70	1179.60	1281.10	1301.70	1306.10	1382.20
3763938.31	829.40	857.30	905.40	964.90	1044.10	1180.20	1202.20	1179.70	1257.70
3762938.31	822.50	865.90	944.60	1007.70	1037.60	1078.00	1127.90	1158.40	1182.30
3761938.31	809.00	878.30	953.60	1169.40	1036.50	1099.60	1048.30	1047.60	1121.70
3760938.31	787.90	883.00	940.40	982.90	1006.80	962.30	991.10	1006.40	1068.70
3759938.31	799.00	833.90	872.10	865.40	882.00	901.80	917.10	980.90	1014.00
3758938.31	739.80	775.50	823.60	827.30	844.80	866.20	876.00	896.40	973.80
3757938.31	745.50	766.60	789.80	806.10	812.70	836.20	847.10	869.00	891.20
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00

3755938.31	712.20	729.00	750.70	778.90	796.10	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	733.70	739.00	748.20	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	698.30	742.60	758.40	806.00	784.40	793.40	782.90	776.00	774.50
3751938.31	688.50	698.30	788.50	827.60	779.20	816.00	826.50	776.50	765.50
3750938.31	637.60	658.70	761.70	746.60	753.10	763.30	778.20	767.10	824.50
3749938.31	565.10	605.60	688.00	741.70	730.60	768.40	748.50	743.00	742.90
3748938.31	600.40	581.60	634.10	689.10	721.10	712.00	735.90	695.10	721.80
3747938.31	612.80	550.40	629.60	635.50	674.00	749.80	680.90	680.10	661.60
3746938.31	475.00	519.90	658.40	668.60	636.20	659.50	635.50	626.90	644.80
3745938.31	457.70	478.30	548.30	576.50	593.60	572.70	612.10	688.50	733.30
3744938.31	445.20	446.70	455.30	487.90	797.60	730.60	713.70	991.50	924.10
3743938.31	441.00	442.60	443.20	451.00	524.60	831.50	1033.10	970.20	1073.70
3742938.31	441.80	443.80	445.20	450.00	460.10	583.10	792.30	1036.30	1119.40
3741938.31	445.60	445.70	445.30	450.20	453.60	459.80	469.30	669.80	974.60

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	677.00	570.00	311.70	305.80	301.50	279.60	328.00	406.00	735.00
3766938.31	677.00	677.00	478.00	303.00	283.00	289.00	434.00	406.00	735.00
3765938.31	677.00	478.00	518.00	478.00	287.10	429.00	434.00	434.00	735.00
3764938.31	677.00	518.00	518.00	518.00	273.50	258.00	434.00	735.00	735.00
3763938.31	677.00	518.00	518.00	518.00	248.90	253.00	257.10	735.00	758.00
3762938.31	677.00	518.00	518.00	518.00	247.90	259.00	580.00	735.00	905.00
3761938.31	518.00	518.00	518.00	373.00	250.50	255.90	580.00	905.00	932.00
3760938.31	227.40	392.00	392.00	392.00	260.30	266.80	580.00	932.00	932.00
3759938.31	231.00	392.00	392.00	392.00	267.80	278.00	905.00	932.00	932.00
3758938.31	225.00	251.00	253.00	263.10	271.10	278.30	905.00	932.00	932.00
3757938.31	242.90	247.20	257.60	343.00	319.00	294.00	905.00	932.00	932.00
3756938.31	240.20	249.30	257.40	318.00	287.90	314.60	330.00	932.00	932.00
3755938.31	246.00	257.10	266.10	276.80	432.00	432.00	359.10	404.00	932.00
3754938.31	248.50	260.00	276.80	296.00	432.00	432.00	397.50	427.00	459.00
3753938.31	260.60	269.80	337.00	300.20	372.00	401.00	408.70	459.30	492.70
3752938.31	270.20	288.00	306.80	324.20	359.90	439.00	470.00	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	374.00	498.00	498.00	466.00	473.80
3750938.31	302.60	319.90	344.80	384.00	359.90	472.00	467.40	475.40	487.80
3749938.31	411.00	337.50	458.00	458.00	446.00	448.00	466.10	486.40	501.00
3748938.31	405.00	480.00	395.00	424.70	455.00	466.30	492.50	543.00	513.50
3747938.31	428.00	456.00	498.00	398.40	559.00	559.00	537.00	535.40	508.80
3746938.31	441.20	476.80	488.00	445.00	447.50	476.50	480.20	486.90	492.60
3745938.31	445.00	478.00	468.00	438.00	420.80	450.00	467.60	496.10	513.30
3744938.31	464.00	450.90	441.80	434.80	451.00	501.00	540.20	507.00	518.10
3743938.31	417.00	422.00	430.30	632.00	633.00	633.00	661.00	685.00	478.80
3742938.31	597.00	710.00	710.00	632.00	633.00	633.00	687.00	687.00	687.00
3741938.31	710.00	710.00	710.00	736.00	633.00	602.00	661.00	680.00	734.00

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	735.00	735.00	735.00	735.00	735.00	341.00	348.00	353.60	357.50
3766938.31	735.00	735.00	735.00	735.00	735.00	481.00	563.00	634.00	642.00
3765938.31	735.00	735.00	735.00	841.00	735.00	461.00	563.00	635.00	644.00
3764938.31	735.00	758.00	735.00	735.00	941.00	941.00	941.00	941.00	941.00
3763938.31	867.00	867.00	856.00	856.00	941.00	941.00	941.00	941.00	634.00
3762938.31	932.00	932.00	941.00	941.00	941.00	941.00	941.00	941.00	941.00
3761938.31	905.00	850.00	867.00	941.00	941.00	874.00	941.00	941.00	941.00
3760938.31	932.00	932.00	905.00	905.00	941.00	941.00	941.00	941.00	941.00
3759938.31	932.00	932.00	932.00	867.00	941.00	941.00	941.00	941.00	941.00
3758938.31	932.00	932.00	932.00	905.00	932.00	941.00	941.00	941.00	941.00
3757938.31	932.00	932.00	932.00	932.00	932.00	941.00	941.00	941.00	941.00
3756938.31	932.00	932.00	932.00	932.00	932.00	932.00	941.00	941.00	890.00
3755938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	890.00
3754938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	497.00	496.10
3753938.31	485.80	932.00	932.00	932.00	932.00	932.00	489.90	488.60	488.00
3752938.31	509.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	509.00	541.00	503.00	478.90	479.00	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	479.00	490.00	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	468.00	490.00	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	478.00	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	462.00	452.80	451.90
3746938.31	566.00	513.50	511.80	536.00	519.10	469.50	454.30	454.50	457.00
3745938.31	559.00	513.20	510.80	517.60	540.00	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	548.00	477.40	461.80	449.40	447.00
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	734.00	528.30	527.90	518.60	515.00	490.80	475.50	455.00	452.00
3741938.31	734.00	734.00	555.50	534.60	537.70	549.40	597.00	460.30	442.90

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	537.00	406.60	408.60	429.30	457.00	516.00	508.00	534.80	565.00
3765938.31	644.00	537.00	495.00	525.00	493.00	516.70	539.40	588.00	645.00
3764938.31	941.00	687.00	858.00	525.00	523.00	575.00	579.80	596.40	666.00
3763938.31	687.00	941.00	858.00	858.00	858.00	623.00	625.00	643.00	677.00
3762938.31	941.00	782.00	858.00	858.00	858.00	641.00	581.00	693.00	693.00
3761938.31	941.00	858.00	858.00	858.00	858.00	858.00	555.00	616.00	654.00
3760938.31	941.00	824.00	858.00	858.00	858.00	802.00	771.00	751.00	654.00
3759938.31	887.00	890.00	833.00	829.00	802.00	771.00	771.00	774.00	774.00
3758938.31	890.00	890.00	890.00	829.00	741.00	731.00	751.00	751.00	774.00
3757938.31	890.00	890.00	890.00	890.00	684.00	603.80	738.00	774.00	774.00
3756938.31	890.00	890.00	890.00	682.00	574.80	581.40	584.90	774.00	774.00
3755938.31	890.00	890.00	890.00	721.00	558.10	556.20	551.80	549.40	607.00
3754938.31	890.00	890.00	518.00	530.30	617.00	537.10	527.60	525.60	528.00
3753938.31	484.50	494.20	500.90	617.00	617.00	615.00	811.00	811.00	777.00
3752938.31	472.20	481.00	482.10	483.90	811.00	811.00	811.00	811.00	811.00
3751938.31	472.00	468.70	466.60	798.00	811.00	811.00	811.00	811.00	811.00
3750938.31	462.20	741.00	777.00	798.00	811.00	811.00	798.00	811.00	811.00
3749938.31	766.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00	811.00
3748938.31	777.00	777.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00
3747938.31	777.00	777.00	777.00	777.00	777.00	810.00	811.00	810.00	804.00
3746938.31	777.00	777.00	777.00	777.00	810.00	810.00	810.00	810.00	810.00
3745938.31	444.60	777.00	777.00	810.00	810.00	810.00	810.00	810.00	810.00
3744938.31	442.20	442.80	757.00	810.00	810.00	810.00	810.00	810.00	810.00
3743938.31	442.20	443.90	757.00	810.00	810.00	757.00	810.00	810.00	810.00
3742938.31	443.00	436.50	757.00	757.00	810.00	810.00	810.00	810.00	810.00
3741938.31	440.00	443.00	757.00	757.00	757.00	810.00	810.00	810.00	444.80

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	985.00	1018.00	1018.00	1018.00	985.00	1018.00	1656.00	1771.00
3766938.31	626.00	757.00	757.00	985.00	1018.00	1018.00	1611.00	1677.00	1771.00
3765938.31	663.00	671.10	784.00	1018.00	1018.00	1018.00	1611.00	1677.00	1771.00
3764938.31	681.00	628.90	634.80	634.90	985.00	717.30	1611.00	1677.00	1740.00
3763938.31	668.00	687.00	638.00	664.00	690.00	721.00	735.10	1677.00	1677.00
3762938.31	686.00	682.00	684.00	690.00	689.00	720.00	737.10	1611.00	1677.00
3761938.31	686.00	678.00	682.00	691.00	705.00	717.00	734.10	758.40	1677.00
3760938.31	697.00	685.00	677.00	715.00	708.00	696.00	723.00	776.00	785.00
3759938.31	769.00	755.00	701.00	715.00	717.00	708.00	705.00	707.60	1200.00
3758938.31	755.00	762.00	764.00	648.00	712.00	677.00	736.00	710.00	705.00
3757938.31	769.00	764.00	764.00	748.00	730.00	794.00	736.00	712.00	730.00
3756938.31	760.00	761.00	764.00	763.00	794.00	794.00	735.00	728.00	744.70
3755938.31	760.00	760.00	683.00	727.00	794.00	768.00	742.00	678.00	717.00
3754938.31	546.00	639.00	627.00	727.00	711.00	768.00	747.00	739.00	757.00
3753938.31	777.00	569.00	596.00	581.00	692.00	653.00	745.00	771.00	771.00
3752938.31	811.00	777.00	575.00	529.00	628.00	615.00	625.00	771.00	746.00
3751938.31	811.00	777.00	461.00	460.80	578.00	546.20	592.00	746.00	709.00
3750938.31	811.00	811.00	437.30	433.00	456.70	518.00	713.00	713.00	680.00
3749938.31	811.00	811.00	432.30	428.00	441.00	713.00	713.00	713.00	713.00
3748938.31	811.00	729.00	729.00	432.00	439.00	713.00	713.00	713.00	663.00
3747938.31	804.00	804.00	729.00	437.00	430.60	428.00	713.00	713.00	663.00
3746938.31	810.00	804.00	599.00	436.10	434.50	439.70	433.90	653.00	663.00
3745938.31	810.00	804.00	437.10	439.10	796.00	796.00	438.10	435.60	446.20
3744938.31	810.00	804.00	436.10	796.00	796.00	796.00	796.00	796.00	439.20
3743938.31	810.00	447.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3742938.31	453.00	463.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3741938.31	459.30	477.60	796.00	796.00	796.00	796.00	781.00	796.00	796.00

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM10 - LST ASSESSMENT (NO REFRIGERATION) *** 09:02:48
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3766938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1641.00	1771.00	1771.00	1771.00
3765938.31	1771.00	1771.00	1677.00	1771.00	1771.00	1677.00	1677.00	1771.00	1771.00
3764938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3763938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3762938.31	1677.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3761938.31	1677.00	1677.00	1677.00	1183.00	1677.00	1677.00	1771.00	1771.00	1771.00
3760938.31	1677.00	1611.00	1677.00	1677.00	1677.00	1771.00	1771.00	1771.00	1677.00
3759938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1771.00	1771.00	1677.00	1333.00
3758938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1677.00	1677.00	1677.00	1058.00
3757938.31	748.00	766.60	1200.00	1200.00	1194.00	836.20	847.10	1058.00	1058.00
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	799.00	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	754.00	772.00	780.00	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	741.00	744.00	859.00	818.00	784.40	793.40	782.90	776.00	774.50
3751938.31	702.00	859.00	869.00	869.00	781.00	816.00	826.50	936.00	936.00
3750938.31	679.00	869.00	799.00	869.00	792.00	773.00	791.00	936.00	936.00
3749938.31	782.00	860.00	774.00	749.00	819.00	819.00	753.00	936.00	936.00

3748938.31	644.00	670.00	716.00	711.00	783.00	783.00	745.00	748.00	726.00
3747938.31	618.00	800.00	800.00	800.00	830.00	830.00	1129.00	1147.00	1147.00
3746938.31	800.00	800.00	800.00	800.00	1147.00	1147.00	1168.00	1168.00	1168.00
3745938.31	800.00	1133.00	1133.00	1147.00	1168.00	1168.00	1168.00	1168.00	1168.00
3744938.31	1129.00	1147.00	1168.00	1168.00	1133.00	1168.00	1168.00	1016.00	1168.00
3743938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1133.00	1168.00	1078.00
3742938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00
3741938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

437508.5, 439508.5, 441508.5, 443508.5, 445508.5, 447508.5, 449508.5, 451508.5, 453508.5, 455508.5,
457508.5, 459508.5,

*** Y-COORDINATES OF GRID ***
(METERS)

3741938.3, 3743938.3, 3745938.3, 3747938.3, 3749938.3, 3751938.3, 3753938.3, 3755938.3, 3757938.3, 3759938.3,
3761938.3, 3763938.3, 3765938.3, 3767938.3,

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 437508.49	439508.49	441508.49	443508.49	445508.49	447508.49	449508.49	451508.49	453508.49
3767938.31	278.70	285.30	282.10	280.70	275.00	277.90	283.00	282.60	285.00
3765938.31	257.10	256.20	256.30	254.40	253.20	258.60	257.60	258.30	260.20
3763938.31	227.90	232.90	232.00	228.00	234.50	235.00	239.40	233.60	236.40
3761938.31	204.70	206.30	207.90	212.60	215.70	219.00	220.00	219.30	218.10
3759938.31	182.90	189.80	194.70	198.50	197.60	203.10	206.60	207.80	215.30
3757938.31	165.00	170.80	179.40	184.10	185.50	189.70	186.20	189.30	212.40
3755938.31	183.40	156.30	171.00	172.00	179.00	178.90	195.00	231.60	267.20
3753938.31	297.00	167.00	159.60	170.70	168.90	198.40	199.00	276.70	251.50
3751938.31	233.10	222.10	158.40	161.50	168.60	180.90	208.40	273.60	242.50
3749938.31	148.40	174.50	160.10	180.60	184.70	179.00	225.50	215.00	210.10
3747938.31	133.00	318.60	252.40	228.80	233.00	226.40	196.60	205.30	305.60
3745938.31	449.00	880.40	505.60	359.50	288.70	287.50	263.60	295.30	428.00
3743938.31	507.90	688.70	809.10	484.60	403.00	365.20	334.90	270.20	327.60
3741938.31	604.00	646.60	892.40	594.40	588.80	484.90	376.60	289.80	287.70

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 455508.49	457508.49	459508.49
3767938.31	295.60	307.30	319.90
3765938.31	321.20	388.30	531.10
3763938.31	243.00	265.10	290.90
3761938.31	221.90	253.30	388.40
3759938.31	214.80	250.90	265.00
3757938.31	224.10	219.40	249.20
3755938.31	250.40	224.30	238.90
3753938.31	221.70	244.50	243.40
3751938.31	216.40	230.00	262.40
3749938.31	239.70	253.60	296.10
3747938.31	401.50	370.00	386.10
3745938.31	375.20	438.60	417.00
3743938.31	372.40	417.00	417.00
3741938.31	398.00	428.80	438.30

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 437508.49	439508.49	441508.49	443508.49	445508.49	447508.49	449508.49	451508.49	453508.49
3767938.31	278.70	285.30	282.10	280.70	275.00	286.00	283.00	282.60	285.00
3765938.31	257.10	256.20	256.30	254.40	253.20	270.00	257.60	258.30	433.00
3763938.31	227.90	232.90	232.00	228.00	234.50	235.00	239.40	244.00	236.40
3761938.31	204.70	206.30	207.90	212.60	215.70	219.00	220.00	219.30	218.10
3759938.31	182.90	189.80	201.00	198.50	197.60	203.10	206.60	207.80	215.30
3757938.31	165.00	170.80	179.40	184.10	185.50	189.70	186.20	449.00	449.00
3755938.31	235.00	163.00	171.00	172.00	179.00	299.00	195.00	449.00	449.00

3753938.31	344.00	360.00	163.00	170.70	168.90	208.00	431.00	431.00	435.00
3751938.31	926.00	926.00	926.00	926.00	168.60	180.90	431.00	439.00	439.00
3749938.31	926.00	926.00	1207.00	1210.00	926.00	179.00	231.00	215.00	566.00
3747938.31	1211.00	1183.00	1211.00	1211.00	1211.00	1211.00	1207.00	481.00	481.00
3745938.31	926.00	926.00	1211.00	1211.00	1211.00	1211.00	1211.00	522.00	522.00
3743938.31	1183.00	1183.00	849.00	1211.00	1211.00	1211.00	1211.00	1211.00	522.00
3741938.31	1183.00	1211.00	1211.00	1211.00	1211.00	1211.00	1211.00	1211.00	1140.00

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 455508.49	457508.49	459508.49
3767938.31	295.60	677.00	677.00
3765938.31	532.00	677.00	677.00
3763938.31	677.00	677.00	677.00
3761938.31	221.90	371.00	419.00
3759938.31	214.80	385.00	399.00
3757938.31	224.10	231.00	249.20
3755938.31	250.40	224.30	238.90
3753938.31	221.70	303.00	243.40
3751938.31	216.40	230.00	262.40
3749938.31	566.00	566.00	296.10
3747938.31	566.00	566.00	393.00
3745938.31	466.00	444.00	417.00
3743938.31	411.00	417.00	417.00
3741938.31	468.00	428.80	698.00

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

484551.7, 484651.7, 484751.7, 484851.7, 484951.7, 485051.7, 485151.7, 485251.7, 485351.7, 485451.7,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.4, 3751034.4, 3751134.4, 3751234.4, 3751334.4, 3751434.4, 3751534.4, 3751634.4, 3751734.4, 3751834.4,
3751934.4, 3752034.4, 3752134.4, 3752234.4, 3752334.4, 3752434.4, 3752534.4, 3752634.4, 3752734.4, 3752834.4,
3752934.4, 3753034.4, 3753134.4, 3753234.4, 3753334.4, 3753434.4, 3753534.4, 3753634.4, 3753734.4, 3753834.4,
3753934.4, 3754034.4, 3754134.4, 3754234.4, 3754334.4, 3754434.4, 3754534.4, 3754634.4,

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	524.70	525.20	523.10	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	523.30	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	521.50	520.70	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	518.70	518.40	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	516.90	518.10	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	518.10	514.80	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	517.70	512.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	515.80	511.30	512.10	511.60	512.10	508.80	506.80	509.90	509.10
3753834.43	510.50	509.90	507.90	511.00	507.90	508.00	508.50	506.70	502.40
3753734.43	507.90	507.90	506.50	506.80	505.40	503.10	508.40	504.90	503.30
3753634.43	505.40	508.10	501.40	503.70	503.70	503.30	503.20	503.00	502.00
3753534.43	502.40	500.60	501.10	505.00	504.30	501.80	501.10	498.80	499.90
3753434.43	498.20	500.10	501.50	501.30	502.50	501.60	499.50	497.50	498.00
3753334.43	498.80	499.20	497.80	498.20	498.30	499.50	497.40	496.00	496.90
3753234.43	496.80	496.00	496.70	497.80	496.40	495.20	496.20	494.90	496.00
3753134.43	498.10	497.00	494.60	493.00	495.50	495.30	497.10	492.90	491.50
3753034.43	494.30	493.10	494.60	493.00	494.00	492.80	493.70	491.30	491.10
3752934.43	487.60	488.10	490.80	488.60	490.80	489.70	490.10	490.20	488.40
3752834.43	488.90	488.00	489.10	488.80	488.50	487.50	487.80	490.40	486.40
3752734.43	486.30	487.90	485.40	485.50	485.30	487.90	484.30	486.00	484.80
3752634.43	486.90	484.10	487.00	485.90	483.90	490.10	488.80	486.00	483.20
3752534.43	483.40	482.40	478.60	483.50	481.50	482.10	483.90	481.50	482.60
3752434.43	480.00	484.30	482.60	483.00	481.10	477.10	483.10	479.20	483.50
3752334.43	478.40	481.10	480.70	479.00	480.30	479.30	481.40	480.90	483.80
3752234.43	475.80	477.00	481.50	478.90	478.30	472.50	481.10	479.50	483.70
3752134.43	475.40	478.80	479.20	479.80	480.70	479.50	480.70	485.90	491.70
3752034.43	480.20	481.20	476.20	478.10	482.00	478.70	482.40	487.10	493.80
3751934.43	475.60	477.20	479.30	478.60	479.40	482.60	487.80	490.10	497.20
3751834.43	475.90	478.80	480.40	483.60	480.90	486.20	491.70	498.90	506.50
3751734.43	482.60	483.70	490.40	491.10	488.70	490.80	495.50	501.30	512.70
3751634.43	487.30	492.60	492.30	493.50	495.90	493.70	501.30	512.90	527.00
3751534.43	490.70	494.00	501.90	502.10	505.60	504.10	514.20	535.70	561.00
3751434.43	495.40	502.10	507.10	510.40	512.40	522.30	540.90	563.70	601.20
3751334.43	500.20	504.10	509.30	515.40	516.70	531.00	556.50	596.00	635.10

3751234.43	504.80	510.60	515.40	521.50	530.10	547.10	570.50	612.20	650.20
3751134.43	512.40	513.00	516.40	540.90	547.30	559.70	574.00	609.80	636.10
3751034.43	514.10	518.70	538.20	566.60	558.70	570.80	594.70	631.60	660.00
3750934.43	532.10	531.70	564.30	576.10	577.60	587.10	618.00	658.00	693.50

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	516.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	507.50
3753934.43	507.60
3753834.43	504.10
3753734.43	502.70
3753634.43	500.40
3753534.43	500.80
3753434.43	497.40
3753334.43	496.10
3753234.43	494.70
3753134.43	492.30
3753034.43	491.70
3752934.43	485.90
3752834.43	487.20
3752734.43	485.10
3752634.43	485.10
3752534.43	484.10
3752434.43	485.40
3752334.43	484.70
3752234.43	491.00
3752134.43	493.80
3752034.43	502.20
3751934.43	504.90
3751834.43	515.40
3751734.43	523.90
3751634.43	548.80
3751534.43	594.90
3751434.43	642.40
3751334.43	689.90
3751234.43	687.90
3751134.43	679.30
3751034.43	697.10
3750934.43	732.40

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM10 - LST ASSESSMENT (NO REFRIGERATION) *** 09:02:48
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	615.00	527.00	526.00	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	615.00	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	616.00	615.00	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	616.00	615.00	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	616.00	615.00	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	616.00	615.00	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	615.00	615.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	615.00	559.00	512.10	511.60	512.10	508.80	811.00	811.00	811.00
3753834.43	615.00	559.00	507.90	511.00	811.00	811.00	811.00	811.00	811.00
3753734.43	613.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00

```
 3751034.43 |        811.00       811.00       811.00       811.00       811.00       811.00       811.00       811.00       811.00
 3750934.43 |        811.00       811.00       811.00       811.00       811.00       811.00       811.00       811.00       811.00
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                                  ***        11/29/12
                                    *** PM10 - LST ASSESSMENT (NO REFRIGERATION)                               ***        09:02:48
                                                                                                                          PAGE  46
 **MODELOPTs:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                  *** NETWORK ID: UCART3   ;  NETWORK TYPE: GRIDCART ***

                                              * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     485451.71
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3754634.43 |        521.00
 3754534.43 |        520.00
 3754434.43 |        517.30
 3754334.43 |        515.90
 3754234.43 |        512.70
 3754134.43 |        511.30
 3754034.43 |        811.00
 3753934.43 |        811.00
 3753834.43 |        811.00
 3753734.43 |        811.00
 3753634.43 |        811.00
 3753534.43 |        811.00
 3753434.43 |        811.00
 3753334.43 |        811.00
 3753234.43 |        811.00
 3753134.43 |        811.00
 3753034.43 |        811.00
 3752934.43 |        811.00
 3752834.43 |        811.00
 3752734.43 |        811.00
 3752634.43 |        811.00
 3752534.43 |        811.00
 3752434.43 |        811.00
 3752334.43 |        811.00
 3752234.43 |        811.00
 3752134.43 |        811.00
 3752034.43 |        811.00
 3751934.43 |        811.00
 3751834.43 |        811.00
 3751734.43 |        811.00
 3751634.43 |        811.00
 3751534.43 |        811.00
 3751434.43 |        811.00
 3751334.43 |        811.00
 3751234.43 |        811.00
 3751134.43 |        811.00
 3751034.43 |        811.00
 3750934.43 |        811.00
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                                  ***        11/29/12
                                    *** PM10 - LST ASSESSMENT (NO REFRIGERATION)                               ***        09:02:48
                                                                                                                          PAGE  47
 **MODELOPTs:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                       *** GRIDDED RECEPTOR NETWORK SUMMARY ***

                                  *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                          *** X-COORDINATES OF GRID ***
                                                   (METERS)

       485549.5,  485649.5,  485749.5,  485849.5,

                                          *** Y-COORDINATES OF GRID ***
                                                   (METERS)

      3750934.9, 3751034.9, 3751134.9, 3751234.9, 3751334.9, 3751434.9, 3751534.9, 3751634.9, 3751734.9, 3751834.9,
      3751934.9, 3752034.9, 3752134.9, 3752234.9, 3752334.9, 3752434.9, 3752534.9, 3752634.9, 3752734.9, 3752834.9,
      3752934.9, 3753034.9, 3753134.9, 3753234.9, 3753334.9, 3753434.9,
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                                  ***        11/29/12
                                    *** PM10 - LST ASSESSMENT (NO REFRIGERATION)                               ***        09:02:48
                                                                                                                          PAGE  48
 **MODELOPTs:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                  *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                              * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     485549.47    485649.47    485749.47    485849.47
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3753434.90 |        497.00       494.70       493.80       492.50
 3753334.90 |        495.20       494.30       494.20       494.90
 3753234.90 |        493.20       495.50       492.40       492.80
 3753134.90 |        490.00       490.70       490.50       489.50
 3753034.90 |        490.20       491.70       489.20       490.10
 3752934.90 |        488.20       488.60       486.50       488.00
 3752834.90 |        489.00       487.30       488.80       488.50
 3752734.90 |        488.90       487.30       487.40       486.30
 3752634.90 |        486.00       486.60       486.90       486.00
 3752534.90 |        486.00       484.20       484.00       486.00
 3752434.90 |        485.70       485.00       488.10       493.30
 3752334.90 |        489.50       491.30       494.00       502.10
 3752234.90 |        493.50       496.70       497.00       506.50
 3752134.90 |        498.50       502.00       503.90       507.60
 3752034.90 |        508.20       508.10       511.20       522.80
 3751934.90 |        513.90       513.00       519.30       532.40
 3751834.90 |        518.10       529.70       538.40       559.00
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 3751734.90 |        531.80       533.60       558.40       605.00
 3751634.90 |        557.00       570.60       588.90       622.30
 3751534.90 |        599.00       611.20       626.10       628.30
 3751434.90 |        659.50       664.00       669.40       643.70
 3751334.90 |        702.50       703.50       696.20       663.60
 3751234.90 |        708.30       736.50       713.70       692.00
 3751134.90 |        720.70       748.90       725.50       720.30
 3751034.90 |        744.10       769.60       738.00       734.40
 3750934.90 |        771.00       782.40       753.40       754.20
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                          ***        11/29/12
                                    *** PM10 - LST ASSESSMENT (NO REFRIGERATION)                       ***        09:02:48
                                                                                                                  PAGE  49
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                         FASTALL

                                 *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                            * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                        X-COORD (METERS)
    (METERS) |     485549.47    485649.47    485749.47    485849.47
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3753434.90 |        811.00       811.00       811.00       811.00
 3753334.90 |        811.00       811.00       811.00       811.00
 3753234.90 |        811.00       811.00       811.00       811.00
 3753134.90 |        811.00       811.00       811.00       811.00
 3753034.90 |        811.00       811.00       811.00       811.00
 3752934.90 |        811.00       811.00       811.00       811.00
 3752834.90 |        811.00       811.00       811.00       811.00
 3752734.90 |        811.00       811.00       811.00       811.00
 3752634.90 |        811.00       811.00       811.00       811.00
 3752534.90 |        811.00       811.00       811.00       811.00
 3752434.90 |        811.00       811.00       811.00       811.00
 3752334.90 |        811.00       811.00       811.00       811.00
 3752234.90 |        811.00       811.00       811.00       811.00
 3752134.90 |        811.00       811.00       811.00       811.00
 3752034.90 |        811.00       811.00       811.00       811.00
 3751934.90 |        811.00       811.00       811.00       811.00
 3751834.90 |        811.00       811.00       811.00       811.00
 3751734.90 |        811.00       811.00       811.00       811.00
 3751634.90 |        811.00       811.00       811.00       811.00
 3751534.90 |        811.00       811.00       811.00       811.00
 3751434.90 |        811.00       811.00       811.00       811.00
 3751334.90 |        811.00       811.00       811.00       811.00
 3751234.90 |        811.00       811.00       811.00       811.00
 3751134.90 |        811.00       811.00       811.00       811.00
 3751034.90 |        811.00       798.00       811.00       811.00
 3750934.90 |        798.00       798.00       811.00       811.00
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                          ***        11/29/12
                                    *** PM10 - LST ASSESSMENT (NO REFRIGERATION)                       ***        09:02:48
                                                                                                                  PAGE  50
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                         FASTALL

                                         *** DISCRETE CARTESIAN RECEPTORS ***
                                     (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     ( 485619.4, 3753969.7,     505.7,     811.0,       0.0);         ( 485713.0, 3753961.9,     506.6,     811.0,       0.0);
     ( 487190.8, 3754410.3,     509.4,     776.0,       0.0);         ( 487194.8, 3754289.5,     507.2,     777.0,       0.0);
     ( 487268.8, 3754090.6,     503.1,     777.0,       0.0);         ( 487483.3, 3754102.3,     502.0,     777.0,       0.0);
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                          ***        11/29/12
                                    *** PM10 - LST ASSESSMENT (NO REFRIGERATION)                       ***        09:02:48
                                                                                                                  PAGE  51
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                         FASTALL

                       * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
                         LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL


                              SOURCE          - - RECEPTOR LOCATION - -         DISTANCE
                                ID            XR (METERS)   YR (METERS)         (METERS)
                           - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                              L0110583            485553.0     3754938.3            -8.64
                              L0110584            485553.0     3754938.3            -0.74
                              L0110668            487190.8     3754410.3            -0.17
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                          ***        11/29/12
                                    *** PM10 - LST ASSESSMENT (NO REFRIGERATION)                       ***        09:02:48
                                                                                                                  PAGE  52
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                         FASTALL

                                         *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                   (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                 *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                   (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                          ***        11/29/12
```

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: RIVR2.SFC Met Version: 11059
Profile file: RIVR2.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 2 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2005 Year: 2005

First 24 hours of scalar data

YR	MO	DY	JDY	HR	HO	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	ZO	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
05	01	01	1	01	-7.5	0.135	-9.000	-9.000	-999.	115.	29.0	0.39	1.00	1.00	1.60	338.	9.1	279.2	5.5
05	01	01	1	02	-2.2	0.057	-9.000	-9.000	-999.	34.	7.4	0.39	1.00	1.00	0.90	264.	9.1	279.2	5.5
05	01	01	1	03	-4.0	0.070	-9.000	-9.000	-999.	42.	7.4	0.39	1.00	1.00	1.10	54.	9.1	278.8	5.5
05	01	01	1	04	-1.6	0.044	-9.000	-9.000	-999.	21.	4.7	0.39	1.00	1.00	0.70	360.	9.1	278.8	5.5
05	01	01	1	05	-2.7	0.063	-9.000	-9.000	-999.	37.	8.2	0.39	1.00	1.00	1.00	318.	9.1	278.1	5.5
05	01	01	1	06	-2.8	0.070	-9.000	-9.000	-999.	42.	10.5	0.39	1.00	1.00	1.10	53.	9.1	277.5	5.5
05	01	01	1	07	-3.8	0.070	-9.000	-9.000	-999.	42.	7.7	0.39	1.00	1.00	1.10	134.	9.1	278.8	5.5
05	01	01	1	08	-2.3	0.057	-9.000	-9.000	-999.	31.	7.0	0.39	1.00	0.53	0.90	319.	9.1	278.8	5.5
05	01	01	1	09	29.7	0.193	0.388	0.005	69.	195.	-21.1	0.39	1.00	0.32	1.20	110.	9.1	282.0	5.5
05	01	01	1	10	78.5	0.248	1.193	0.005	760.	285.	-17.1	0.39	1.00	0.25	1.50	107.	9.1	284.2	5.5
05	01	01	1	11	118.9	0.316	1.511	0.007	1020.	409.	-23.3	0.39	1.00	0.22	2.00	122.	9.1	285.9	5.5
05	01	01	1	12	132.2	0.238	1.665	0.009	1227.	270.	-9.0	0.39	1.00	0.21	1.30	154.	9.1	287.0	5.5
05	01	01	1	13	80.9	0.249	1.421	0.009	1245.	286.	-16.8	0.39	1.00	0.21	1.50	166.	9.1	287.0	5.5
05	01	01	1	14	80.7	0.305	1.427	0.009	1263.	388.	-31.0	0.39	1.00	0.23	2.00	235.	9.1	287.5	5.5
05	01	01	1	15	36.6	0.321	1.098	0.009	1270.	419.	-79.5	0.39	1.00	0.26	2.30	305.	9.1	286.4	5.5
05	01	01	1	16	1.2	0.206	0.354	0.009	1271.	221.	-629.7	0.39	1.00	0.35	1.60	292.	9.1	285.9	5.5
05	01	01	1	17	-11.9	0.181	-9.000	-9.000	-999.	178.	44.1	0.39	1.00	0.63	1.90	280.	9.1	285.4	5.5
05	01	01	1	18	-17.1	0.313	-9.000	-9.000	-999.	404.	158.3	0.39	1.00	1.00	2.70	304.	9.1	284.2	5.5
05	01	01	1	19	-8.7	0.159	-9.000	-9.000	-999.	161.	40.6	0.39	1.00	1.00	1.70	311.	9.1	283.8	5.5
05	01	01	1	20	-3.8	0.070	-9.000	-9.000	-999.	48.	7.8	0.39	1.00	1.00	1.10	13.	9.1	283.1	5.5
05	01	01	1	21	-4.7	0.076	-9.000	-9.000	-999.	48.	8.2	0.39	1.00	1.00	1.20	8.	9.1	282.0	5.5
05	01	01	1	22	-2.1	0.051	-9.000	-9.000	-999.	26.	5.4	0.39	1.00	1.00	0.80	183.	9.1	280.9	5.5
05	01	01	1	23	-2.1	0.051	-9.000	-9.000	-999.	26.	5.4	0.39	1.00	1.00	0.80	16.	9.1	280.4	5.5
05	01	01	1	24	-2.1	0.051	-9.000	-9.000	-999.	26.	5.4	0.39	1.00	1.00	0.80	62.	9.1	279.9	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
05	01	01	01	5.5	0	-999.	-99.00	279.3	99.0	-99.00	-99.00
05	01	01	01	9.1	1	338.	1.60	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0110380 , L0110381 , L0110382 , L0110383 ,
L0110384 , L0110385 , L0110398 , L0110399 , L0110400 , L0110401 , L0110402 , L0110403 ,
L0110404 , L0110405 , L0110406 , L0110407 , L0110408 , L0110409 , L0110410 , L0110411 ,
L0110412 , L0110413 , L0110414 , L0110415 , L0110416 , L0110417 , L0110418 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	0.00530	0.00546	0.00562	0.00579	0.00597	0.00610	0.00631	0.00652	0.00678
3766938.31	0.00545	0.00551	0.00566	0.00585	0.00602	0.00618	0.00641	0.00733	0.00698
3765938.31	0.00548	0.00604	0.00578	0.00594	0.00615	0.00628	0.00668	0.00753	0.00724
3764938.31	0.00548	0.00592	0.00607	0.00606	0.00621	0.00639	0.00667	0.00709	0.00741
3763938.31	0.00547	0.00612	0.00583	0.00603	0.00621	0.00649	0.00679	0.00720	0.00766
3762938.31	0.00542	0.00563	0.00583	0.00600	0.00628	0.00659	0.00694	0.00737	0.00789
3761938.31	0.00539	0.00559	0.00581	0.00606	0.00636	0.00668	0.00707	0.00753	0.00809
3760938.31	0.00539	0.00562	0.00585	0.00623	0.00648	0.00682	0.00722	0.00769	0.00831
3759938.31	0.00547	0.00567	0.00622	0.00625	0.00660	0.00696	0.00737	0.00786	0.00847
3758938.31	0.00552	0.00577	0.00608	0.00638	0.00671	0.00707	0.00752	0.00801	0.00861
3757938.31	0.00562	0.00587	0.00616	0.00657	0.00681	0.00713	0.00760	0.00817	0.00883
3756938.31	0.00561	0.00588	0.00618	0.00652	0.00693	0.00744	0.00789	0.00825	0.00898
3755938.31	0.00559	0.00587	0.00617	0.00652	0.00693	0.00757	0.00813	0.00888	0.00918
3754938.31	0.00552	0.00580	0.00614	0.00652	0.00695	0.00771	0.00829	0.00901	0.00980
3753938.31	0.00547	0.00573	0.00606	0.00641	0.00696	0.00758	0.00818	0.00906	0.00973
3752938.31	0.00537	0.00565	0.00599	0.00635	0.00685	0.00752	0.00822	0.00891	0.00942
3751938.31	0.00528	0.00551	0.00579	0.00618	0.00667	0.00721	0.00778	0.00838	0.00899
3750938.31	0.00516	0.00542	0.00574	0.00604	0.00631	0.00688	0.00757	0.00802	0.00845
3749938.31	0.00503	0.00524	0.00567	0.00613	0.00639	0.00664	0.00710	0.00749	0.00741
3748938.31	0.00504	0.00496	0.00530	0.00571	0.00608	0.00640	0.00650	0.00555	0.00637
3747938.31	0.00492	0.00516	0.00507	0.00532	0.00569	0.00482	0.00512	0.00536	0.00633
3746938.31	0.00478	0.00511	0.00524	0.00519	0.00554	0.00593	0.00622	0.00647	0.00665
3745938.31	0.00464	0.00493	0.00506	0.00513	0.00526	0.00560	0.00599	0.00605	0.00608
3744938.31	0.00447	0.00471	0.00484	0.00500	0.00526	0.00560	0.00486	0.00570	0.00592
3743938.31	0.00433	0.00449	0.00470	0.00494	0.00516	0.00540	0.00573	0.00603	0.00633
3742938.31	0.00433	0.00452	0.00478	0.00470	0.00483	0.00489	0.00566	0.00529	0.00492
3741938.31	0.00443	0.00361	0.00355	0.00372	0.00335	0.00392	0.00390	0.00353	0.00454

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0110380 , L0110381 , L0110382 , L0110383 ,
L0110384 , L0110385 , L0110398 , L0110399 , L0110400 , L0110401 , L0110402 , L0110403 ,

L0110404 , L0110405 , L0110406 , L0110407 , L0110408 , L0110409 , L0110410 , L0110411 ,
L0110412 , L0110413 , L0110414 , L0110415 , L0110416 , L0110417 , L0110418 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	0.00704	0.00732	0.00765	0.00796	0.00831	0.00874	0.00916	0.00965	0.01020
3766938.31	0.00737	0.00786	0.00821	0.00850	0.00917	0.00974	0.00991	0.01046	0.01102
3765938.31	0.00768	0.00820	0.00935	0.00907	0.00985	0.01073	0.01142	0.01180	0.01245
3764938.31	0.00789	0.00851	0.00709	0.01028	0.01027	0.01144	0.01160	0.01143	0.01285
3763938.31	0.00821	0.00883	0.00998	0.01051	0.01103	0.01178	0.01255	0.01218	0.01090
3762938.31	0.00839	0.00913	0.00988	0.01074	0.01186	0.01217	0.01373	0.01428	0.01465
3761938.31	0.00928	0.00886	0.00909	0.01154	0.00982	0.00795	0.00969	0.01262	0.01611
3760938.31	0.00939	0.01059	0.00847	0.00872	0.01111	0.01061	0.00883	0.00971	0.01403
3759938.31	0.00920	0.01006	0.00796	0.00701	0.01113	0.01374	0.01425	0.01046	0.01525
3758938.31	0.00941	0.01049	0.00712	0.00717	0.01113	0.01462	0.01636	0.01750	0.01751
3757938.31	0.00989	0.01096	0.01181	0.00735	0.00817	0.01476	0.01773	0.01962	0.02055
3756938.31	0.01013	0.01150	0.01251	0.01303	0.00933	0.01519	0.01861	0.02148	0.02414
3755938.31	0.01068	0.01178	0.01257	0.01398	0.01510	0.01684	0.01922	0.02210	0.02602
3754938.31	0.01066	0.01158	0.01259	0.01389	0.01548	0.01747	0.01991	0.02298	0.02696
3753938.31	0.01055	0.01108	0.01222	0.01347	0.01494	0.01689	0.01928	0.02226	0.02618
3752938.31	0.00995	0.01084	0.01180	0.01282	0.01421	0.01590	0.01797	0.02059	0.02407
3751938.31	0.00929	0.00933	0.01088	0.01207	0.01317	0.01457	0.01633	0.01855	0.02148
3750938.31	0.00831	0.00843	0.00982	0.01112	0.01206	0.01322	0.01479	0.01664	0.01918
3749938.31	0.00703	0.00733	0.00826	0.01026	0.01116	0.01220	0.01347	0.01520	0.01734
3748938.31	0.00652	0.00710	0.00796	0.00924	0.01050	0.01143	0.01261	0.01411	0.01588
3747938.31	0.00665	0.00720	0.00787	0.00867	0.01003	0.01086	0.01186	0.01312	0.01467
3746938.31	0.00646	0.00716	0.00780	0.00826	0.00926	0.01031	0.01113	0.01224	0.01352
3745938.31	0.00610	0.00704	0.00762	0.00815	0.00869	0.00976	0.01048	0.01140	0.01258
3744938.31	0.00645	0.00700	0.00738	0.00777	0.00790	0.00924	0.00988	0.01071	0.01187
3743938.31	0.00653	0.00669	0.00702	0.00736	0.00772	0.00879	0.00938	0.01021	0.01136
3742938.31	0.00568	0.00588	0.00621	0.00675	0.00732	0.00830	0.00906	0.00981	0.01094
3741938.31	0.00445	0.00488	0.00544	0.00610	0.00641	0.00665	0.00845	0.00957	0.01058

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0110380 , L0110381 , L0110382 , L0110383 ,
L0110384 , L0110385 , L0110398 , L0110399 , L0110400 , L0110401 , L0110402 , L0110403 ,
L0110404 , L0110405 , L0110406 , L0110407 , L0110408 , L0110409 , L0110410 , L0110411 ,
L0110412 , L0110413 , L0110414 , L0110415 , L0110416 , L0110417 , L0110418 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	0.01085	0.01150	0.01226	0.01305	0.01390	0.01476	0.01557	0.01593	0.01564
3766938.31	0.01157	0.01263	0.01338	0.01436	0.01545	0.01644	0.01707	0.01654	0.01611
3765938.31	0.01306	0.01333	0.01497	0.01600	0.01722	0.01796	0.01829	0.01757	0.01636
3764938.31	0.01433	0.01509	0.01568	0.01743	0.01880	0.01942	0.01905	0.01808	0.01688
3763938.31	0.01339	0.01678	0.01801	0.01916	0.02080	0.02250	0.01936	0.01782	0.01738
3762938.31	0.01235	0.01369	0.01982	0.02179	0.02397	0.02593	0.02752	0.02712	0.02424
3761938.31	0.01341	0.01246	0.01906	0.01977	0.02694	0.03046	0.03318	0.03077	0.02932
3760938.31	0.01611	0.01287	0.01400	0.01769	0.02177	0.02852	0.03933	0.04307	0.04239
3759938.31	0.01338	0.01527	0.01594	0.01775	0.02126	0.02973	0.03993	0.04929	0.04977
3758938.31	0.01428	0.01609	0.02022	0.02198	0.02516	0.03176	0.03966	0.04105	0.04926
3757938.31	0.01782	0.01828	0.02175	0.03035	0.03370	0.04601	0.04934	0.05787	0.06177
3756938.31	0.02508	0.02725	0.02819	0.03381	0.05552	0.06809	0.08540	0.10195	0.10213
3755938.31	0.03075	0.03612	0.04372	0.05767	0.07486	0.10828	0.17587	0.28739	0.24777
3754938.31	0.03236	0.03981	0.05102	0.06837	0.09728	0.15858	0.96669	1.36795	2.10478
3753938.31	0.03138	0.03940	0.05113	0.06931	0.09611	0.16587	0.25266	1.31331	1.93090
3752938.31	0.02843	0.03498	0.04432	0.05896	0.08410	0.13743	0.30739	1.07928	1.87752
3751938.31	0.02525	0.03035	0.03753	0.04839	0.06570	0.10091	0.18016	0.19072	0.41540
3750938.31	0.02222	0.02649	0.03191	0.04058	0.05517	0.07321	0.06265	0.09474	0.20113
3749938.31	0.02009	0.02350	0.02901	0.03474	0.04500	0.05241	0.06164	0.09812	0.15748
3748938.31	0.01819	0.02126	0.02462	0.01713	0.03698	0.05318	0.06903	0.08925	0.10359
3747938.31	0.01658	0.01927	0.01418	0.01860	0.03603	0.04537	0.05577	0.06845	0.06750
3746938.31	0.01522	0.01783	0.02159	0.02630	0.03217	0.03871	0.04596	0.05091	0.06355
3745938.31	0.01423	0.01649	0.01970	0.02409	0.02864	0.03345	0.03528	0.02941	0.04938
3744938.31	0.01344	0.01560	0.01840	0.02175	0.02563	0.02950	0.01840	0.03697	0.04078
3743938.31	0.01286	0.01487	0.01727	0.01999	0.02289	0.01387	0.02838	0.03085	0.03462
3742938.31	0.01239	0.01413	0.01623	0.01858	0.02096	0.02274	0.02446	0.02686	0.02974
3741938.31	0.01194	0.01355	0.01529	0.01722	0.01915	0.02028	0.02174	0.02374	0.02618

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM10 - LST ASSESSMENT (NO REFRIGERATION) *** 09:02:48
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0110380 , L0110381 , L0110382 , L0110383 ,
L0110384 , L0110385 , L0110398 , L0110399 , L0110400 , L0110401 , L0110402 , L0110403 ,
L0110404 , L0110405 , L0110406 , L0110407 , L0110408 , L0110409 , L0110410 , L0110411 ,
L0110412 , L0110413 , L0110414 , L0110415 , L0110416 , L0110417 , L0110418 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	0.01533	0.01432	0.01224	0.01090	0.00972	0.00790	0.00839	0.00854	0.00775

3766938.31	0.01451	0.01366	0.01196	0.01206	0.01102	0.01047	0.01008	0.00914	0.00811
3765938.31	0.01504	0.01436	0.01522	0.01540	0.01361	0.01208	0.01080	0.00944	0.00871
3764938.31	0.01688	0.01799	0.01774	0.01703	0.01523	0.01276	0.01152	0.01024	0.00946
3763938.31	0.01923	0.01995	0.02142	0.01802	0.01658	0.01439	0.01225	0.01126	0.01071
3762938.31	0.02839	0.02771	0.02376	0.02046	0.01734	0.01537	0.01350	0.01276	0.01202
3761938.31	0.02557	0.02479	0.02291	0.02121	0.01888	0.01669	0.01559	0.01451	0.01384
3760938.31	0.03527	0.02866	0.02739	0.02413	0.02128	0.02009	0.01844	0.01714	0.01569
3759938.31	0.05441	0.04896	0.03792	0.03111	0.02682	0.02450	0.02202	0.01999	0.01799
3758938.31	0.04433	0.04325	0.04476	0.03686	0.03721	0.03075	0.02693	0.02274	0.02077
3757938.31	0.05819	0.05315	0.04854	0.04362	0.03761	0.03651	0.02912	0.02561	0.02255
3756938.31	0.08776	0.07918	0.06819	0.05578	0.04534	0.03997	0.03590	0.02951	0.02529
3755938.31	0.19708	0.13327	0.10030	0.07457	0.06014	0.04866	0.04049	0.03465	0.02927
3754938.31	1.44256	0.33843	0.18690	0.11546	0.08091	0.06500	0.05005	0.03971	0.03370
3753938.31	1.44682	1.37236	0.43743	0.20268	0.13822	0.08939	0.07415	0.05267	0.03866
3752938.31	6.57100	1.92860	1.54912	0.42323	0.25936	0.14730	0.10276	0.06867	0.04415
3751938.31	0.59717	0.62132	0.58878	0.41527	0.28526	0.17495	0.12398	0.08457	0.05404
3750938.31	0.29857	0.31293	0.30223	0.25782	0.22011	0.18557	0.14832	0.10260	0.06186
3749938.31	0.18288	0.19714	0.19528	0.18014	0.16198	0.14470	0.12678	0.07282	0.06566
3748938.31	0.12828	0.13718	0.13994	0.13419	0.12305	0.11133	0.10059	0.08093	0.05253
3747938.31	0.09302	0.10144	0.10593	0.10478	0.09773	0.08964	0.08288	0.07719	0.07111
3746938.31	0.07077	0.08167	0.08298	0.08330	0.08009	0.07549	0.06979	0.06533	0.06201
3745938.31	0.05603	0.06243	0.06671	0.06817	0.06702	0.06370	0.05991	0.05621	0.05354
3744938.31	0.04597	0.05131	0.05477	0.05662	0.05657	0.05474	0.05211	0.04930	0.04680
3743938.31	0.03883	0.04302	0.04618	0.04805	0.04949	0.04849	0.04571	0.04372	0.04171
3742938.31	0.03332	0.03693	0.03989	0.04203	0.03875	0.02354	0.02638	0.03925	0.03777
3741938.31	0.02905	0.03213	0.03471	0.03196	0.02665	0.02166	0.02038	0.03523	0.03431

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM10 - LST ASSESSMENT (NO REFRIGERATION) *** 09:02:48
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0110380 , L0110381 , L0110382 , L0110383 ,
L0110384 , L0110385 , L0110398 , L0110399 , L0110400 , L0110401 , L0110402 , L0110403 ,
L0110404 , L0110405 , L0110406 , L0110407 , L0110408 , L0110409 , L0110410 , L0110411 ,
L0110412 , L0110413 , L0110414 , L0110415 , L0110416 , L0110417 , L0110418 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	0.00698	0.00592	0.00538	0.00452	0.00304	0.00222	0.00166	0.00119	0.00085
3766938.31	0.00741	0.00630	0.00523	0.00469	0.00299	0.00108	0.00109	0.00109	0.00109
3765938.31	0.00801	0.00657	0.00368	0.00435	0.00340	0.00148	0.00126	0.00123	0.00151
3764938.31	0.00903	0.00782	0.00698	0.00703	0.00402	0.00258	0.00235	0.00226	0.00170
3763938.31	0.01018	0.00970	0.00909	0.00829	0.00703	0.00427	0.00376	0.00389	0.00285
3762938.31	0.01142	0.01104	0.00963	0.00859	0.00760	0.00650	0.00532	0.00454	0.00391
3761938.31	0.01308	0.01213	0.01047	0.00569	0.00813	0.00658	0.00690	0.00640	0.00504
3760938.31	0.01460	0.01320	0.01137	0.01019	0.00905	0.00868	0.00778	0.00717	0.00616
3759938.31	0.01612	0.01450	0.01317	0.01193	0.01079	0.00968	0.00884	0.00789	0.00722
3758938.31	0.01800	0.01591	0.01406	0.01282	0.01178	0.01095	0.01024	0.00934	0.00824
3757938.31	0.01970	0.01747	0.01574	0.01439	0.01324	0.01216	0.01129	0.01052	0.00962
3756938.31	0.02223	0.01964	0.01749	0.01581	0.01445	0.01327	0.01230	0.01145	0.01070
3755938.31	0.02532	0.02236	0.01992	0.01785	0.01613	0.01464	0.01330	0.01216	0.01119
3754938.31	0.02873	0.02478	0.02149	0.01904	0.01690	0.01529	0.01393	0.01285	0.01192
3753938.31	0.03224	0.02765	0.02401	0.02096	0.01857	0.01663	0.01508	0.01379	0.01271
3752938.31	0.03733	0.03102	0.02672	0.02309	0.02062	0.01840	0.01667	0.01520	0.01391
3751938.31	0.04369	0.03642	0.02972	0.02557	0.02283	0.02014	0.01808	0.01669	0.01533
3750938.31	0.05210	0.04195	0.03261	0.02841	0.02488	0.02203	0.01966	0.01790	0.01592
3749938.31	0.07359	0.05371	0.03789	0.03149	0.02760	0.02368	0.02117	0.01902	0.01722
3748938.31	0.05716	0.05741	0.04241	0.03423	0.02983	0.02698	0.02363	0.02216	0.01925
3747938.31	0.04801	0.05810	0.03988	0.03666	0.03093	0.02630	0.02609	0.02409	0.02306
3746938.31	0.05904	0.05490	0.03290	0.03070	0.03181	0.02821	0.02838	0.02738	0.02424
3745938.31	0.05117	0.04923	0.04330	0.03752	0.03359	0.03471	0.02898	0.02241	0.01999
3744938.31	0.04480	0.04291	0.04143	0.04041	0.02114	0.02100	0.02075	0.01729	0.01723
3743938.31	0.03992	0.03837	0.03701	0.03598	0.03352	0.01831	0.01529	0.01565	0.01392
3742938.31	0.03611	0.03481	0.03366	0.03276	0.03208	0.02543	0.01642	0.01350	0.01147
3741938.31	0.03303	0.03190	0.03086	0.03008	0.02938	0.02883	0.02840	0.01724	0.01278

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM10 - LST ASSESSMENT (NO REFRIGERATION) *** 09:02:48
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0110380 , L0110381 , L0110382 , L0110383 ,
L0110384 , L0110385 , L0110398 , L0110399 , L0110400 , L0110401 , L0110402 , L0110403 ,
L0110404 , L0110405 , L0110406 , L0110407 , L0110408 , L0110409 , L0110410 , L0110411 ,
L0110412 , L0110413 , L0110414 , L0110415 , L0110416 , L0110417 , L0110418 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 437508.49	439508.49	441508.49	443508.49	445508.49	447508.49	449508.49	451508.49	453508.49
3767938.31	0.00283	0.00295	0.00307	0.00320	0.00334	0.00350	0.00369	0.00388	0.00409
3765938.31	0.00282	0.00293	0.00305	0.00318	0.00333	0.00350	0.00367	0.00387	0.00408
3763938.31	0.00282	0.00294	0.00306	0.00318	0.00334	0.00349	0.00368	0.00386	0.00408
3761938.31	0.00281	0.00293	0.00306	0.00320	0.00336	0.00352	0.00370	0.00389	0.00410
3759938.31	0.00277	0.00290	0.00304	0.00319	0.00335	0.00353	0.00372	0.00393	0.00417
3757938.31	0.00272	0.00285	0.00299	0.00314	0.00330	0.00348	0.00367	0.00389	0.00418
3755938.31	0.00272	0.00280	0.00295	0.00309	0.00325	0.00342	0.00364	0.00392	0.00426
3753938.31	0.00285	0.00277	0.00288	0.00303	0.00317	0.00338	0.00356	0.00394	0.00411
3751938.31	0.00268	0.00278	0.00280	0.00293	0.00308	0.00325	0.00347	0.00380	0.00394
3749938.31	0.00251	0.00264	0.00273	0.00287	0.00300	0.00313	0.00337	0.00351	0.00368
3747938.31	0.00241	0.00277	0.00276	0.00282	0.00294	0.00305	0.00312	0.00327	0.00363
3745938.31	0.00284	0.00120	0.00264	0.00289	0.00285	0.00295	0.00302	0.00321	0.00370
3743938.31	0.00223	0.00113	0.00103	0.00304	0.00293	0.00294	0.00299	0.00299	0.00324

3741938.31	0.00114	0.00115	0.00093	0.00142	0.00154	0.00312	0.00296	0.00290	0.00303

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM10 - LST ASSESSMENT (NO REFRIGERATION) *** 09:02:48
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0110380 , L0110381 , L0110382 , L0110383 ,
L0110384 , L0110385 , L0110398 , L0110399 , L0110400 , L0110401 , L0110402 , L0110403 ,
L0110404 , L0110405 , L0110406 , L0110407 , L0110408 , L0110409 , L0110410 , L0110411 ,
L0110412 , L0110413 , L0110414 , L0110415 , L0110416 , L0110417 , L0110418 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 455508.49	457508.49	459508.49
3767938.31	0.00436	0.00466	0.00498
3765938.31	0.00450	0.00503	0.00449
3763938.31	0.00434	0.00468	0.00508
3761938.31	0.00436	0.00472	0.00555
3759938.31	0.00443	0.00482	0.00519
3757938.31	0.00448	0.00477	0.00522
3755938.31	0.00449	0.00473	0.00513
3753938.31	0.00430	0.00465	0.00500
3751938.31	0.00412	0.00442	0.00482
3749938.31	0.00395	0.00422	0.00460
3747938.31	0.00409	0.00419	0.00448
3745938.31	0.00371	0.00411	0.00426
3743938.31	0.00351	0.00383	0.00405
3741938.31	0.00345	0.00374	0.00400

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM10 - LST ASSESSMENT (NO REFRIGERATION) *** 09:02:48
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0110380 , L0110381 , L0110382 , L0110383 ,
L0110384 , L0110385 , L0110398 , L0110399 , L0110400 , L0110401 , L0110402 , L0110403 ,
L0110404 , L0110405 , L0110406 , L0110407 , L0110408 , L0110409 , L0110410 , L0110411 ,
L0110412 , L0110413 , L0110414 , L0110415 , L0110416 , L0110417 , L0110418 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	0.17101	0.18280	0.19758	0.21239	0.22958	0.25671	0.28942	0.33563	0.41247
3754534.43	0.17159	0.18320	0.19856	0.21492	0.23439	0.25679	0.29066	0.33591	0.41347
3754434.43	0.17137	0.18380	0.19805	0.21464	0.23333	0.25803	0.28913	0.33321	0.40823
3754334.43	0.17092	0.18312	0.19669	0.21261	0.23244	0.25621	0.28589	0.32546	0.39109
3754234.43	0.17006	0.18145	0.19538	0.21129	0.23006	0.25216	0.28035	0.31509	0.36299
3754134.43	0.16789	0.18082	0.19399	0.20959	0.22804	0.24948	0.27443	0.30414	0.33958
3754034.43	0.16621	0.18006	0.19301	0.20816	0.22552	0.24563	0.26916	0.29562	0.32441
3753934.43	0.16555	0.17879	0.19122	0.20589	0.22233	0.24248	0.26468	0.28968	0.31424
3753834.43	0.16654	0.17771	0.19045	0.20403	0.22093	0.23958	0.26070	0.28416	0.30479
3753734.43	0.16560	0.17656	0.18894	0.20289	0.21882	0.23669	0.25704	0.27953	0.29930
3753634.43	0.16389	0.17467	0.18636	0.20066	0.21629	0.23394	0.25377	0.27521	0.29407
3753534.43	0.16122	0.17150	0.18370	0.19781	0.21313	0.23005	0.24917	0.26860	0.28758
3753434.43	0.15733	0.16837	0.18044	0.19362	0.20868	0.22541	0.24340	0.26243	0.27981
3753334.43	0.15439	0.16464	0.17564	0.18850	0.20292	0.21955	0.23702	0.25574	0.27242
3753234.43	0.15053	0.16013	0.17128	0.18390	0.19750	0.21280	0.23080	0.24911	0.26552
3753134.43	0.14701	0.15635	0.16639	0.17771	0.19203	0.20721	0.22476	0.24211	0.25832
3753034.43	0.14252	0.15131	0.16183	0.17286	0.18608	0.20047	0.21749	0.23550	0.25508
3752934.43	0.13720	0.14592	0.15630	0.16659	0.17964	0.19343	0.20983	0.22861	0.24933
3752834.43	0.13372	0.14179	0.15130	0.16165	0.17339	0.18662	0.20232	0.22149	0.24166
3752734.43	0.12944	0.13762	0.14590	0.15579	0.16692	0.18053	0.19415	0.21234	0.23287
3752634.43	0.12576	0.13274	0.14169	0.15089	0.16097	0.17454	0.18859	0.20456	0.22337
3752534.43	0.12148	0.12837	0.13523	0.14538	0.15479	0.16636	0.18019	0.19474	0.21406
3752434.43	0.11724	0.12478	0.13200	0.14047	0.14936	0.15847	0.17305	0.18577	0.20522
3752334.43	0.11348	0.12042	0.12740	0.13479	0.14397	0.15358	0.16579	0.17891	0.19598
3752234.43	0.10964	0.11589	0.12359	0.13037	0.13843	0.14549	0.15924	0.17082	0.18683
3752134.43	0.10644	0.11287	0.11927	0.12640	0.13442	0.14279	0.15300	0.16552	0.17926
3752034.43	0.10440	0.11007	0.11501	0.12202	0.13028	0.13757	0.14776	0.15895	0.17134
3751934.43	0.10074	0.10622	0.11233	0.11842	0.12549	0.13387	0.14310	0.15302	0.16357
3751834.43	0.09816	0.10363	0.10935	0.11574	0.12192	0.12985	0.13829	0.14652	0.15395
3751734.43	0.09665	0.10150	0.10703	0.11282	0.11906	0.12606	0.13337	0.14069	0.14518
3751634.43	0.09446	0.09918	0.10424	0.10973	0.11539	0.12217	0.12805	0.13192	0.12960
3751534.43	0.09231	0.09676	0.10031	0.10542	0.11029	0.11677	0.12024	0.11252	0.09932
3751434.43	0.09003	0.09327	0.09683	0.10098	0.10570	0.10716	0.10067	0.09023	0.07757
3751334.43	0.08739	0.09077	0.09414	0.09710	0.10158	0.09991	0.08823	0.07318	0.06942
3751234.43	0.08477	0.08761	0.09046	0.09284	0.09356	0.08795	0.07848	0.06733	0.06614
3751134.43	0.08169	0.08518	0.08814	0.08207	0.08229	0.07900	0.07515	0.06619	0.06535
3751034.43	0.07958	0.08190	0.07826	0.06774	0.07470	0.07190	0.06560	0.06122	0.06178
3750934.43	0.07282	0.07618	0.06480	0.06257	0.06473	0.06395	0.05897	0.05765	0.05883

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0110380 , L0110381 , L0110382 , L0110383 ,
L0110384 , L0110385 , L0110398 , L0110399 , L0110400 , L0110401 , L0110402 , L0110403 ,
L0110404 , L0110405 , L0110406 , L0110407 , L0110408 , L0110409 , L0110410 , L0110411 ,
L0110412 , L0110413 , L0110414 , L0110415 , L0110416 , L0110417 , L0110418 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	0.61523
3754534.43	0.61135
3754434.43	0.61896
3754334.43	0.57734
3754234.43	0.44380
3754134.43	0.35615
3754034.43	0.32264
3753934.43	0.30691
3753834.43	0.29264
3753734.43	0.28605
3753634.43	0.28001
3753534.43	0.27114
3753434.43	0.26053
3753334.43	0.25123
3753234.43	0.24274
3753134.43	0.24298
3753034.43	0.26428
3752934.43	0.27269
3752834.43	0.26910
3752734.43	0.25962
3752634.43	0.24982
3752534.43	0.23848
3752434.43	0.22783
3752334.43	0.21591
3752234.43	0.20582
3752134.43	0.19510
3752034.43	0.18304
3751934.43	0.17341
3751834.43	0.15866
3751734.43	0.14483
3751634.43	0.11745
3751534.43	0.08662
3751434.43	0.07504
3751334.43	0.07033
3751234.43	0.06788
3751134.43	0.06576
3751034.43	0.06311
3750934.43	0.06050

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM10 - LST ASSESSMENT (NO REFRIGERATION) *** 09:02:48
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0110380 , L0110381 , L0110382 , L0110383 ,
L0110384 , L0110385 , L0110398 , L0110399 , L0110400 , L0110401 , L0110402 , L0110403 ,
L0110404 , L0110405 , L0110406 , L0110407 , L0110408 , L0110409 , L0110410 , L0110411 ,
L0110412 , L0110413 , L0110414 , L0110415 , L0110416 , L0110417 , L0110418 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	0.19482	0.40304	0.56241	0.78669
3753334.90	0.18275	0.37684	0.52628	0.73613
3753234.90	0.17024	0.36058	0.50205	0.71029
3753134.90	0.17932	0.35027	0.48360	0.69499
3753034.90	0.25533	0.35748	0.47101	0.68010
3752934.90	0.30621	0.36426	0.45799	0.66000
3752834.90	0.30565	0.35838	0.44962	0.64496
3752734.90	0.29671	0.34723	0.43232	0.61924
3752634.90	0.28339	0.33226	0.41276	0.59138
3752534.90	0.27029	0.31289	0.38459	0.55389
3752434.90	0.25581	0.29506	0.36497	0.53914
3752334.90	0.24243	0.27820	0.33801	0.47749
3752234.90	0.22767	0.25676	0.30219	0.37099
3752134.90	0.21289	0.23466	0.26427	0.30206
3752034.90	0.19441	0.21272	0.23009	0.22904
3751934.90	0.17928	0.19479	0.20156	0.19470
3751834.90	0.16662	0.16356	0.16368	0.15151
3751734.90	0.14518	0.15217	0.13579	0.11447
3751634.90	0.11755	0.11382	0.10839	0.10424
3751534.90	0.09010	0.09118	0.09292	0.09787
3751434.90	0.07786	0.08126	0.08525	0.09136
3751334.90	0.07336	0.07662	0.08075	0.08587
3751234.90	0.07035	0.07315	0.07711	0.08113
3751134.90	0.06757	0.07032	0.07385	0.07712
3751034.90	0.06493	0.06759	0.07077	0.07370
3750934.90	0.06248	0.06506	0.06788	0.07051

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM10 - LST ASSESSMENT (NO REFRIGERATION) *** 09:02:48
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0110380 , L0110381 , L0110382 , L0110383 ,
L0110384 , L0110385 , L0110398 , L0110399 , L0110400 , L0110401 , L0110402 , L0110403 ,
L0110404 , L0110405 , L0110406 , L0110407 , L0110408 , L0110409 , L0110410 , L0110411 ,
L0110412 , L0110413 , L0110414 , L0110415 , L0110416 , L0110417 , L0110418 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
485619.40	3753969.72	0.44584	485712.99	3753961.92	0.61742
487190.85	3754410.34	7.80327	487194.75	3754289.46	5.29311
487268.83	3754090.60	3.41126	487483.30	3754102.29	2.28398

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0110380 , L0110381 , L0110382 , L0110383 ,
L0110384 , L0110385 , L0110398 , L0110399 , L0110400 , L0110401 , L0110402 , L0110403 ,
L0110404 , L0110405 , L0110406 , L0110407 , L0110408 , L0110409 , L0110410 , L0110411 ,
L0110412 , L0110413 , L0110414 , L0110415 , L0110416 , L0110417 , L0110418 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03
3767938.3	0.04773 (07110224)	0.04978 (07110224)	0.05140 (07110224)	0.05281 (07110224)	0.05443 (07110224)
3766938.3	0.04609 (07110224)	0.04852 (07110224)	0.05112 (07110224)	0.05352 (07110224)	0.05518 (07110224)
3765938.3	0.04112 (07110224)	0.04830 (07110224)	0.04884 (07110224)	0.05236 (07110224)	0.05569 (07110224)
3764938.3	0.04149 (07120324)	0.04377 (07120324)	0.04503 (07110224)	0.04815 (07110224)	0.05237 (07110224)
3763938.3	0.04357 (07120324)	0.04773 (07120324)	0.04451 (07120324)	0.04498 (07120324)	0.04541 (07110224)
3762938.3	0.04524 (07120324)	0.04622 (07120324)	0.04703 (07120324)	0.04745 (07120324)	0.04850 (07120324)
3761938.3	0.04792 (07120324)	0.04865 (07120324)	0.04956 (07120324)	0.05071 (07120324)	0.05215 (07120324)
3760938.3	0.05261 (07120324)	0.05337 (07120324)	0.05412 (07120324)	0.05616 (07120324)	0.05695 (07120324)
3759938.3	0.05863 (07120324)	0.05955 (07120324)	0.06369 (07120324)	0.06245 (07120324)	0.06400 (07120324)
3758938.3	0.06220 (07120324)	0.06463 (07120324)	0.06730 (07120324)	0.06967 (07120324)	0.07190 (07120324)
3757938.3	0.06288 (07120324)	0.06587 (07120324)	0.06927 (07120324)	0.07379 (07120324)	0.07633 (07120324)
3756938.3	0.05979 (07120324)	0.06314 (07120324)	0.06674 (07120324)	0.07088 (07120324)	0.07570 (07120324)
3755938.3	0.05520 (07120324)	0.05838 (07120324)	0.06181 (07120324)	0.06569 (07120324)	0.07028 (07120324)
3754938.3	0.04934 (07120324)	0.05204 (07120324)	0.05521 (07120324)	0.05886 (07120324)	0.06297 (07120324)
3753938.3	0.04648 (07012424)	0.04879 (07012424)	0.05155 (07012424)	0.05457 (07012424)	0.05919 (07012424)
3752938.3	0.04699 (07012424)	0.04951 (07012424)	0.05264 (07012424)	0.05589 (07012424)	0.06036 (07012424)
3751938.3	0.04815 (07012424)	0.05043 (07012424)	0.05306 (07012424)	0.05667 (07012424)	0.06111 (07012424)
3750938.3	0.04826 (07012424)	0.05064 (07012424)	0.05380 (05031924)	0.05768 (05031924)	0.06152 (05031924)
3749938.3	0.05328 (05031924)	0.05644 (05031924)	0.06193 (05031924)	0.06797 (05031924)	0.07159 (05031924)
3748938.3	0.05915 (05031924)	0.05860 (05031924)	0.06262 (05031924)	0.06710 (05031924)	0.07061 (05031924)
3747938.3	0.05869 (05031924)	0.06043 (05031924)	0.05786 (05031924)	0.05871 (05031924)	0.06015 (05031924)
3746938.3	0.05211 (05031924)	0.05317 (05031924)	0.05149 (05031924)	0.05504 (05110924)	0.06338 (05110924)
3745938.3	0.05041 (05110924)	0.05735 (05110924)	0.06282 (05110924)	0.06756 (05110924)	0.07304 (05110924)
3744938.3	0.05897 (05110924)	0.06533 (05110924)	0.07007 (05110924)	0.07476 (05110924)	0.08029 (05110924)
3743938.3	0.06455 (05110924)	0.06873 (05110924)	0.07294 (05110924)	0.07672 (05110924)	0.07901 (05110924)
3742938.3	0.06777 (05110924)	0.07062 (05110924)	0.07343 (05110924)	0.08869 (05110924)	0.08816 (05110924)
3741938.3	0.06803 (05110924)	0.08463 (05110924)	0.07411 (05120824)	0.08958 (05120824)	0.08969 (05120824)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0110380 , L0110381 , L0110382 , L0110383 ,
L0110384 , L0110385 , L0110398 , L0110399 , L0110400 , L0110401 , L0110402 , L0110403 ,
L0110404 , L0110405 , L0110406 , L0110407 , L0110408 , L0110409 , L0110410 , L0110411 ,
L0110412 , L0110413 , L0110414 , L0110415 , L0110416 , L0110417 , L0110418 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 466553.03	467553.03	468553.03	469553.03	470553.03
3767938.3	0.05565 (07110224)	0.05764 (07110224)	0.05884 (07110224)	0.05912 (07110224)	0.05740 (07110224)
3766938.3	0.05662 (07110224)	0.05872 (07110224)	0.06700 (07110224)	0.06335 (07110224)	0.06497 (07110224)
3765938.3	0.05756 (07110224)	0.06133 (07110224)	0.06898 (07110224)	0.06644 (07110224)	0.06996 (07110224)
3764938.3	0.05636 (07110224)	0.06042 (07110224)	0.06503 (07110224)	0.06814 (07110224)	0.07250 (07110224)
3763938.3	0.05116 (07110224)	0.05702 (07110224)	0.06324 (07110224)	0.06924 (07110224)	0.07506 (07110224)
3762938.3	0.04958 (07120324)	0.05086 (07121824)	0.05732 (07110224)	0.06564 (07110224)	0.07324 (07110224)
3761938.3	0.05355 (07120324)	0.05524 (07120324)	0.05725 (07120324)	0.05951 (07120324)	0.07061 (07110224)
3760938.3	0.05844 (07120324)	0.06039 (07120324)	0.06273 (07120324)	0.06594 (07120324)	0.07214 (07120324)
3759938.3	0.06556 (07120324)	0.06731 (07120324)	0.06963 (07120324)	0.07284 (07120324)	0.07676 (07120324)
3758938.3	0.07406 (07120324)	0.07669 (07120324)	0.07924 (07120324)	0.08246 (07120324)	0.08701 (07120324)
3757938.3	0.07933 (07120324)	0.08366 (07120324)	0.08855 (07120324)	0.09383 (07120324)	0.10227 (07120324)
3756938.3	0.08151 (07120324)	0.08670 (07120324)	0.09076 (07120324)	0.09843 (07120324)	0.11007 (07120324)
3755938.3	0.07720 (07120324)	0.08338 (07120324)	0.09144 (07120324)	0.09531 (07120324)	0.11084 (07120324)
3754938.3	0.06993 (07120324)	0.07547 (07120324)	0.08231 (07120324)	0.08988 (07120324)	0.09814 (07120324)
3753938.3	0.06441 (07012424)	0.06945 (07012424)	0.07685 (07012424)	0.08339 (07012424)	0.08952 (07012424)
3752938.3	0.06622 (07012424)	0.07256 (07012424)	0.07877 (07012424)	0.08672 (05021124)	0.09679 (05021124)
3751938.3	0.06604 (07012424)	0.07162 (05021124)	0.07807 (05021124)	0.08479 (05021124)	0.10154 (05021124)
3750938.3	0.06825 (05031924)	0.07641 (05031924)	0.08219 (05031924)	0.08813 (05031924)	0.10988 (07033124)
3749938.3	0.07487 (05031924)	0.08021 (05031924)	0.08560 (05031924)	0.09599 (05031924)	0.11817 (05031924)
3748938.3	0.07300 (05031924)	0.07939 (05031924)	0.09473 (05031924)	0.09386 (05031924)	0.09157 (05031924)
3747938.3	0.07294 (05031924)	0.06905 (07012424)	0.06922 (07012424)	0.06710 (07012424)	0.08830 (05110924)
3746938.3	0.07275 (05110924)	0.08129 (05110924)	0.08966 (05110924)	0.09989 (05110924)	0.15271 (05110924)
3745938.3	0.08112 (05110924)	0.08916 (05110924)	0.10707 (05110924)	0.14337 (05110924)	0.15416 (05110924)
3744938.3	0.08603 (05110924)	0.13841 (05110924)	0.12391 (05110924)	0.12582 (05110924)	0.11302 (05110924)
3743938.3	0.08007 (05110924)	0.08063 (05110924)	0.08037 (05120824)	0.08580 (05120824)	0.09784 (05120824)
3742938.3	0.08461 (05110924)	0.07759 (05120824)	0.10927 (05120824)	0.10654 (05120824)	0.10779 (05120824)
3741938.3	0.10512 (05120824)	0.08749 (05120824)	0.06798 (05121124)	0.08185 (05121124)	0.07239 (06031924)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

```
                    *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                        INCLUDING SOURCE(S):     PHASE1      , L0110380    , L0110381    , L0110382    , L0110383    ,
          L0110384    , L0110385    , L0110398    , L0110399    , L0110400    , L0110401    , L0110402    , L0110403    ,
          L0110404    , L0110405    , L0110406    , L0110407    , L0110408    , L0110409    , L0110410    , L0110411    ,
          L0110412    , L0110413    , L0110414    , L0110415    , L0110416    , L0110417    , L0110418    ,  . . .      ,

                    *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                         ** CONC OF PM_10    IN MICROGRAMS/M**3                          **

 Y-COORD  |                                          X-COORD (METERS)
 (METERS) |      471553.03              472553.03              473553.03              474553.03              475553.03
- - - -
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3767938.3	0.11974 (05020424)	0.11957 (05020424)	0.10500 (05020424)	0.11349 (06020924)	0.10806 (06020924)
3766938.3	0.12886 (05020424)	0.13597 (05020424)	0.12495 (05020424)	0.12549 (06020924)	0.13483 (06020924)
3765938.3	0.13892 (05020424)	0.15379 (05020424)	0.15123 (05020424)	0.16515 (06020924)	0.15967 (06020924)
3764938.3	0.13512 (05020424)	0.16626 (05020424)	0.18752 (05020424)	0.17543 (06020924)	0.18115 (06020924)
3763938.3	0.13962 (05020424)	0.17562 (05020424)	0.19161 (05020424)	0.18532 (05020424)	0.19395 (06020924)
3762938.3	0.15378 (06030324)	0.20043 (05020424)	0.23649 (05020424)	0.21102 (05020424)	0.29543 (06020924)
3761938.3	0.18229 (07030624)	0.21083 (06030324)	0.28578 (05020424)	0.26541 (05020424)	0.29228 (06020924)
3760938.3	0.13358 (05121924)	0.14710 (07102524)	0.20314 (06030324)	0.29561 (07110324)	0.31535 (06020924)
3759938.3	0.15626 (07112624)	0.15509 (05121924)	0.16243 (06030324)	0.23364 (05020424)	0.32186 (05020424)
3758938.3	0.19782 (07110224)	0.19106 (07112624)	0.18498 (05121924)	0.27975 (06030324)	0.33959 (07110324)
3757938.3	0.25695 (07110224)	0.31147 (07110224)	0.27820 (07102524)	0.31664 (07102524)	0.36434 (05020424)
3756938.3	0.31146 (07121824)	0.34188 (07110224)	0.54420 (07110224)	0.48191 (07110224)	0.50315 (07110324)
3755938.3	0.44021 (07120324)	0.50861 (07120324)	0.62452 (07121824)	0.78936 (07110224)	1.04370 (05121924)
3754938.3	0.50116 (07120324)	0.65197 (07120324)	0.89411 (07120324)	1.31939 (07120324)	2.45754 (07120324)
3753938.3	0.46946 (06123124)	0.64350 (06123124)	0.75936 (07120324)	1.20647 (07120324)	1.95007 (07120324)
3752938.3	0.41061 (05021124)	0.51211 (05021124)	0.65497 (05021124)	0.91550 (05021124)	1.57990 (05021124)
3751938.3	0.32101 (05110924)	0.40000 (05110924)	0.48907 (05121124)	0.62461 (07011224)	0.93111 (06022624)
3750938.3	0.31470 (05110924)	0.34486 (05120824)	0.42010m(05012424)	0.51304 (06011824)	0.37697 (06011724)
3749938.3	0.28193 (05120824)	0.34335m(05012424)	0.39203 (06011824)	0.40140 (06101824)	0.39007 (06011724)
3748938.3	0.26398m(05012424)	0.20724 (06011824)	0.35236 (05011824)	0.37660 (06101824)	0.40126 (06022624)
3747938.3	0.21071 (06011824)	0.19976 (06011824)	0.27110 (05011824)	0.31656 (06101824)	0.32222 (06011724)
3746938.3	0.17483 (06011824)	0.20435 (05011824)	0.23971 (06101824)	0.25200 (06101824)	0.27478 (06011724)
3745938.3	0.15690 (05011824)	0.18900 (05011824)	0.21587 (06101824)	0.22691 (06011724)	0.30998m(05041224)
3744938.3	0.15464 (05011824)	0.17615 (06101824)	0.18948 (06101824)	0.20688 (06011724)	0.23614 (07102624)
3743938.3	0.14454 (05011824)	0.16209 (06101824)	0.19064 (07121024)	0.14272m(05041224)	0.17421 (06011724)
3742938.3	0.13776 (06101824)	0.14704 (06101824)	0.15742 (06011724)	0.16495 (06011724)	0.15375m(05041224)
3741938.3	0.12876 (06101824)	0.13081 (06121824)	0.14769 (06011724)	0.14694 (06011724)	0.13968m(05041224)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM10 - LST ASSESSMENT (NO REFRIGERATION) *** 09:02:48
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0110380 , L0110381 , L0110382 , L0110383 ,
L0110384 , L0110385 , L0110398 , L0110399 , L0110400 , L0110401 , L0110402 , L0110403 ,
L0110404 , L0110405 , L0110406 , L0110407 , L0110408 , L0110409 , L0110410 , L0110411 ,
L0110412 , L0110413 , L0110414 , L0110415 , L0110416 , L0110417 , L0110418 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 486553.03	487553.03	488553.03	489553.03	490553.03
3767938.3	0.10728 (06112624)	0.12448 (06112624)	0.11730 (06102824)	0.12911 (05122024)	0.09673 (07110524)
3766938.3	0.13440 (06112624)	0.15633 (06112624)	0.10981 (05030624)	0.11221 (06091124)	0.09285 (05102324)
3765938.3	0.14632 (06112624)	0.15830 (06112624)	0.11617 (05030624)	0.11526 (06091124)	0.13096 (05102324)
3764938.3	0.14136 (06112624)	0.15605 (06112624)	0.13002 (05030624)	0.14119 (07110524)	0.14051 (06012624)
3763938.3	0.12821 (07090124)	0.15016 (06112624)	0.14041 (05092624)	0.15932 (07110524)	0.14743 (06012624)
3762938.3	0.18336 (06112624)	0.19688 (06112624)	0.23617 (05122024)	0.19627m(05030324)	0.15442 (06091724)
3761938.3	0.22343 (06021324)	0.22152 (06112624)	0.18948 (05122024)	0.16154 (06012624)	0.11899 (07092424)
3760938.3	0.27528 (06102824)	0.28063 (06102824)	0.23562 (05122024)	0.17126 (05110724)	0.16245 (07092424)
3759938.3	0.39070 (06021324)	0.31676 (06102824)	0.33822 (06102824)	0.24411 (05110724)	0.28235 (06100924)
3758938.3	0.31993 (06122424)	0.33238 (06091124)	0.23999 (07090124)	0.23243 (06100924)	0.27812 (06112724)
3757938.3	0.49057 (06020924)	0.38610 (05122024)	0.26419 (05110124)	0.30311 (06100924)	0.22266 (05102224)
3756938.3	0.59878 (07110324)	0.68465 (05122024)	0.43698 (06112724)	0.33112 (07110724)	0.28705 (06112724)
3755938.3	1.51852 (07110324)	1.20153 (06112724)	0.74203 (06112724)	0.50150 (06112724)	0.42010 (07082824)
3754938.3	3.46162 (07120324)	3.86530 (07122024)	2.97682 (05091024)	1.14219 (05091024)	0.69284 (05102324)
3753938.3	2.71678m(05012424)	3.00420 (07120624)	2.59366 (07110824)	3.07861 (05102224)	1.16339 (05102724)
3752938.3	2.56868 (06120624)	3.28625 (07010424)	11.54469 (05030224)	3.64822 (05121824)	3.67609 (05091024)
3751938.3	0.80732 (06011724)	1.51581 (07111824)	1.45264 (05111324)	1.29477 (07121024)	1.48076 (05030224)
3750938.3	0.63510 (07102624)	0.89635 (07111824)	0.86165 (07031624)	0.79279 (07031624)	0.74557 (07010424)
3749938.3	0.75427 (07102624)	0.63537 (07111824)	0.60257 (07031624)	0.59462 (07031624)	0.53715 (06091024)
3748938.3	0.43877m(05041224)	0.49666 (05123024)	0.47399 (07111824)	0.45894 (07031624)	0.46524 (06091024)
3747938.3	0.37197m(05041224)	0.39569 (06030524)	0.38714 (07111824)	0.36745 (05111324)	0.39021 (06091024)
3746938.3	0.32234 (05032624)	0.29091m(05041224)	0.31153 (07111824)	0.31586 (07031524)	0.31417 (07031524)
3745938.3	0.23105m(05041224)	0.23702m(05041224)	0.25148 (07111824)	0.25190 (07111824)	0.27766 (07031524)
3744938.3	0.21081m(05041224)	0.20199m(05041224)	0.20748 (07111824)	0.22017 (07111824)	0.24146 (07031524)
3743938.3	0.18039m(05041224)	0.17542m(05041224)	0.17780 (05032624)	0.19313 (07111824)	0.20933 (07031524)
3742938.3	0.15971m(05041224)	0.15339m(05041224)	0.15873 (05032624)	0.17165 (07111824)	0.18174 (07031524)
3741938.3	0.14299m(05041224)	0.13685m(05041224)	0.14247 (05032624)	0.15334 (07111824)	0.17040 (07111824)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM10 - LST ASSESSMENT (NO REFRIGERATION) *** 09:02:48
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0110380 , L0110381 , L0110382 , L0110383 ,
L0110384 , L0110385 , L0110398 , L0110399 , L0110400 , L0110401 , L0110402 , L0110403 ,
L0110404 , L0110405 , L0110406 , L0110407 , L0110408 , L0110409 , L0110410 , L0110411 ,
L0110412 , L0110413 , L0110414 , L0110415 , L0110416 , L0110417 , L0110418 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 491553.03	492553.03	493553.03	494553.03	495553.03
3767938.3	0.08369 (06012624)	0.06124 (06091724)	0.05281 (07081924)	0.06402 (07092424)	0.05788 (07092424)
3766938.3	0.08487 (06012624)	0.06943 (07062824)	0.07302 (07092424)	0.07686 (07092424)	0.07339 (06100924)
3765938.3	0.09822 (05110724)	0.08319 (07081924)	0.08556 (07092424)	0.09001 (06100924)	0.08111 (06100924)
3764938.3	0.10068 (07062824)	0.10812 (07092424)	0.09085 (06100924)	0.09681 (06100924)	0.07987 (06100924)
3763938.3	0.11553 (07081924)	0.10833 (07041024)	0.13541 (06100924)	0.10047 (06100924)	0.08429 (07101124)
3762938.3	0.13648 (07092424)	0.12707 (06100924)	0.14031 (06100924)	0.09651 (07101124)	0.08096 (05110424)
3761938.3	0.13994 (06100924)	0.15220 (06100924)	0.10980 (07101124)	0.09222 (05050224)	0.09564 (07072024)
3760938.3	0.17451 (06100924)	0.16885 (06100924)	0.12011 (05110424)	0.12128 (07110724)	0.10476 (07110724)
3759938.3	0.17800 (06100924)	0.14941 (07110724)	0.15291 (07110724)	0.11912 (07110724)	0.11322 (06100124)
3758938.3	0.21952 (05110424)	0.21408 (07110724)	0.15745 (06100124)	0.13950 (07022224)	0.12961 (07122024)

3757938.3	0.20654 (07110724)	0.17063 (06112724)	0.20140 (07082824)	0.17101 (07122024)	0.15614 (07122024)
3756938.3	0.26647 (06112724)	0.23538 (07082824)	0.23050 (07122024)	0.21257 (07122024)	0.15477 (07122024)
3755938.3	0.31847 (07122024)	0.28761 (07122024)	0.21006 (07122024)	0.20547 (05032324)	0.19013 (07122024)
3754938.3	0.42467 (07122024)	0.34455 (05032324)	0.29617 (05032324)	0.25116 (05091024)	0.22111 (05091024)
3753938.3	0.62391 (05091024)	0.57870 (05091024)	0.44591 (05091024)	0.43356 (05091024)	0.32399 (05091024)
3752938.3	1.63636 (05091024)	1.27268 (05091024)	0.67169 (05091024)	0.53255 (05091024)	0.40520 (05091024)
3751938.3	1.24289 (07080124)	0.94473 (07031824)	0.83224 (07031824)	0.61879 (06050324)	0.39820 (06033124)
3750938.3	0.73080 (05030224)	0.67222 (07080124)	0.77780 (07080124)	0.64950 (07031824)	0.53053 (07031824)
3749938.3	0.50012 (06072124)	0.45670 (05030224)	0.43373 (05030224)	0.45811 (07080124)	0.38611 (07080124)
3748938.3	0.42277 (06091024)	0.38060 (06072124)	0.32955 (07070724)	0.29628 (05030224)	0.37261 (06112324)
3747938.3	0.38476 (06091024)	0.30713 (06091024)	0.29224 (06072124)	0.26154 (07070724)	0.23153 (05062624)
3746938.3	0.33810 (06091024)	0.30463 (06091024)	0.25149 (06072124)	0.23609 (07070724)	0.21670 (07070724)
3745938.3	0.28988 (06091024)	0.28700 (06091024)	0.23447 (06091024)	0.21222 (05071124)	0.20045 (07070724)
3744938.3	0.24057 (06091024)	0.25873 (06091024)	0.23485 (06091024)	0.17986 (05071124)	0.18197 (05071124)
3743938.3	0.21790 (07031524)	0.23191 (06091024)	0.22784 (06091024)	0.18855 (06091024)	0.16076 (05071124)
3742938.3	0.20073 (07031524)	0.27421 (06091024)	0.17057 (06091024)	0.15607 (06091024)	0.15187 (06091024)
3741938.3	0.28567 (07031524)	0.19842 (07031524)	0.17188 (06091024)	0.13870 (06091024)	0.19852 (06091024)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM10 - LST ASSESSMENT (NO REFRIGERATION) *** 09:02:48
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0110380 , L0110381 , L0110382 , L0110383 ,
L0110384 , L0110385 , L0110398 , L0110399 , L0110400 , L0110401 , L0110402 , L0110403 ,
L0110404 , L0110405 , L0110406 , L0110407 , L0110408 , L0110409 , L0110410 , L0110411 ,
L0110412 , L0110413 , L0110414 , L0110415 , L0110416 , L0110417 , L0110418 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 496553.03	497553.03	498553.03	499553.03	500553.03
3767938.3	0.06510 (06100924)	0.06657 (06100924)	0.05003 (07081224)	0.03859 (07101124)	0.03539 (05102224)
3766938.3	0.07150 (06100924)	0.06540 (07081224)	0.05318 (07101124)	0.04093 (05050224)	0.04207 (05050224)
3765938.3	0.07277 (07081224)	0.06868 (07101124)	0.04886 (05050224)	0.04136 (05110424)	0.04649 (07040724)
3764938.3	0.07590 (07101124)	0.06041 (05102224)	0.06347 (07072024)	0.05503 (07040724)	0.04854 (06071924)
3763938.3	0.07046 (05102224)	0.07730 (07072024)	0.07686 (07110724)	0.06619 (07110724)	0.06194 (07022624)
3762938.3	0.08661 (07072024)	0.08501 (07110724)	0.07511 (07110724)	0.07428 (06100124)	0.06163 (07022624)
3761938.3	0.09458 (07110724)	0.08481 (07021224)	0.08615 (06100124)	0.06492 (07022224)	0.05989 (05040824)
3760938.3	0.10071 (06100124)	0.09009 (06100124)	0.08218 (07022224)	0.08095 (07022224)	0.07785 (07022224)
3759938.3	0.10297 (07022224)	0.10007 (07022224)	0.09054 (07022224)	0.08868 (07082824)	0.08681 (07082824)
3758938.3	0.12492 (07122024)	0.11587 (07082824)	0.10856 (07082824)	0.09745 (07122024)	0.09309 (07122024)
3757938.3	0.13618 (07082824)	0.12616 (07122024)	0.11277 (07122024)	0.09285 (07122024)	0.08271 (05081424)
3756938.3	0.14131 (07082824)	0.12379 (07122024)	0.11185 (05032324)	0.10281 (05032324)	0.08984 (07071224)
3755938.3	0.15711 (05032324)	0.12920 (05032324)	0.10674 (07071224)	0.10220 (06050224)	0.10328 (06050224)
3754938.3	0.20678 (05091024)	0.18623 (05091024)	0.16543 (05091024)	0.14102 (05091024)	0.12007 (07071224)
3753938.3	0.24186 (05091024)	0.20642 (05091024)	0.18569 (05091024)	0.17105 (05091024)	0.15750 (05091024)
3752938.3	0.30063 (05091024)	0.26399 (05091024)	0.22478 (05091024)	0.19580 (05091024)	0.17018 (05091024)
3751938.3	0.26531 (06033124)	0.24850 (05102724)	0.23009 (05102724)	0.19794 (05102724)	0.16427 (05102724)
3750938.3	0.34594 (07031824)	0.29023 (07031824)	0.22310 (06050324)	0.18136 (06050324)	0.14010 (06050324)
3749938.3	0.32818 (07080124)	0.41027 (05080524)	0.29201 (07031824)	0.21817 (07031824)	0.18743 (07031824)
3748938.3	0.26330 (07080124)	0.34927 (07080124)	0.32468 (07080124)	0.27440 (05080524)	0.20924 (05080524)
3747938.3	0.27775 (05022524)	0.25241 (06112324)	0.36512 (07080124)	0.26265 (07080124)	0.21698 (05052924)
3746938.3	0.19349 (05062624)	0.18091 (05030224)	0.24132 (05022524)	0.18608 (05022524)	0.20221 (07080124)
3745938.3	0.18448 (07070724)	0.16459 (05062624)	0.15120 (05062624)	0.19670 (05022524)	0.22518 (05022524)
3744938.3	0.17319 (07070724)	0.15863 (07070724)	0.14138 (05062624)	0.13201 (05062624)	0.13216 (06112324)
3743938.3	0.15731 (05071124)	0.15155 (07070724)	0.13869 (07070724)	0.12415 (05062624)	0.11819 (05062624)
3742938.3	0.14468 (05071124)	0.13734 (05071124)	0.13446 (07070724)	0.12354 (07070724)	0.11137 (05062624)
3741938.3	0.12346 (06091024)	0.12953 (05071124)	0.12142 (05071124)	0.12062 (07070724)	0.11163 (07070724)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM10 - LST ASSESSMENT (NO REFRIGERATION) *** 09:02:48
PAGE 73

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0110380 , L0110381 , L0110382 , L0110383 ,
L0110384 , L0110385 , L0110398 , L0110399 , L0110400 , L0110401 , L0110402 , L0110403 ,
L0110404 , L0110405 , L0110406 , L0110407 , L0110408 , L0110409 , L0110410 , L0110411 ,
L0110412 , L0110413 , L0110414 , L0110415 , L0110416 , L0110417 , L0110418 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501553.03	502553.03	503553.03	504553.03	505553.03
3767938.3	0.03555 (05110424)	0.02872 (07040724)	0.01726 (07040724)	0.01283 (05012624)	0.01189 (05012624)
3766938.3	0.03939 (07040724)	0.01385 (05012624)	0.01324 (05012624)	0.01280 (05011124)	0.01438 (05011124)
3765938.3	0.03729 (07040724)	0.01598 (05011124)	0.01615 (05011124)	0.01692 (05011124)	0.01948 (05011124)
3764938.3	0.03775 (07110424)	0.02859 (05011124)	0.02789 (05011124)	0.02773 (06121024)	0.02087 (05040824)
3763938.3	0.05790 (07022624)	0.04136 (06100124)	0.04002 (06121024)	0.04858 (05040824)	0.03615 (05040824)
3762938.3	0.05721 (07022224)	0.05749 (07022224)	0.05704 (05040824)	0.05281 (05040824)	0.04416 (05040824)
3761938.3	0.06688 (07022224)	0.05996 (05040824)	0.05675 (05040824)	0.05269 (05040824)	0.04898 (06041424)
3760938.3	0.06529 (07022224)	0.06499 (06103024)	0.05597 (06041424)	0.05574 (05032324)	0.05391 (05032324)
3759938.3	0.07973 (07122024)	0.07074 (05032324)	0.06270 (07122024)	0.05684 (06041424)	0.05064 (05081424)
3758938.3	0.08136 (07122024)	0.07008 (05081424)	0.06887 (05081424)	0.06012 (05081424)	0.05840 (06080124)
3757938.3	0.07928 (06080124)	0.07441 (06080124)	0.06634 (06080124)	0.06281 (07071224)	0.06425 (07071224)
3756938.3	0.08986 (07071224)	0.08491 (07071224)	0.07737 (07071224)	0.06894 (07071224)	0.06756 (07043024)
3755938.3	0.09954 (06050224)	0.09131 (06050224)	0.08058 (07041224)	0.07336 (07041224)	0.06793 (07071224)
3754938.3	0.10349 (07071224)	0.09078 (05091024)	0.08186 (05091024)	0.07702 (05091024)	0.07464 (05091024)
3753938.3	0.14574 (05091024)	0.13489 (05091024)	0.12526 (05091024)	0.11635 (05091024)	0.10837 (05091024)
3752938.3	0.15004 (05091024)	0.13137 (05091024)	0.11682 (05091024)	0.10559 (07051724)	0.09992 (07051724)
3751938.3	0.13388 (05102724)	0.12442 (05040424)	0.11724 (05040424)	0.10980 (05040424)	0.10238 (07032524)
3750938.3	0.13166 (05081824)	0.12628 (05081824)	0.12546 (07043024)	0.12054 (07043024)	0.11035 (07043024)
3749938.3	0.14892 (07060124)	0.13199 (06050324)	0.12119 (06050324)	0.10624 (06050324)	0.09118 (05081824)
3748938.3	0.16388 (07060124)	0.16015 (07060124)	0.14200 (07060124)	0.13115 (07060124)	0.11113 (07063024)
3747938.3	0.21286 (05080524)	0.18237 (05080524)	0.16611 (05080524)	0.14263 (07060124)	0.14581 (07060124)
3746938.3	0.22235 (07080124)	0.17550 (05052924)	0.20420 (05080524)	0.22671 (05080524)	0.18876 (05080524)

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3745938.3 |      0.21034 (05022524)      0.26408 (07080124)      0.21745 (07080124)      0.14457 (05052924)      0.13664 (05080524)
3744938.3 |      0.10843 (06112324)      0.13373 (05022524)      0.13647 (07080124)      0.13507 (07080124)      0.13132 (07080124)
3743938.3 |      0.13970 (05030224)      0.09275 (06112324)      0.10082 (05022524)      0.10876 (05022524)      0.10779 (07080124)
3742938.3 |      0.10796 (05062624)      0.13955 (05062624)      0.08553 (07052424)      0.07720 (05022524)      0.09188 (05022524)
3741938.3 |      0.10084 (05062624)      0.09883 (05062624)      0.09276 (05062624)      0.10256 (07071324)      0.06773 (05030224)
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                                  ***        11/29/12
                                    *** PM10 - LST ASSESSMENT (NO REFRIGERATION)                                ***        09:02:48
                                                                                                                           PAGE  74
 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     PHASE1      , L0110380    , L0110381    , L0110382    , L0110383    ,
                 L0110384    , L0110385    , L0110398    , L0110399    , L0110400    , L0110401    , L0110402    , L0110403    ,
                 L0110404    , L0110405    , L0110406    , L0110407    , L0110408    , L0110409    , L0110410    , L0110411    ,
                 L0110412    , L0110413    , L0110414    , L0110415    , L0110416    , L0110417    , L0110418    ,  . . .      ,

                                    *** NETWORK ID: UCART2   ;  NETWORK TYPE: GRIDCART ***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3                          **

 Y-COORD  |                                                  X-COORD (METERS)
 (METERS) |       437508.49              439508.49              441508.49              443508.49              445508.49
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3741938.3 | 0.05760 (05110924) 0.06290 (05110924)

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0110380 , L0110381 , L0110382 , L0110383 ,
L0110384 , L0110385 , L0110398 , L0110399 , L0110400 , L0110401 , L0110402 , L0110403 ,
L0110404 , L0110405 , L0110406 , L0110407 , L0110408 , L0110409 , L0110410 , L0110411 ,
L0110412 , L0110413 , L0110414 , L0110415 , L0110416 , L0110417 , L0110418 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71
3754634.4	1.32210 (07120324)	1.39782 (07120324)	1.46278 (07120324)	1.57138 (07120324)	1.67709 (07120324)
3754534.4	1.25775 (07120324)	1.32998 (07120324)	1.38656 (07120324)	1.47456 (07120324)	1.58508 (07120324)
3754434.4	1.19188 (07120324)	1.26000 (07120324)	1.33086 (07120324)	1.40814 (07120324)	1.48818 (07120324)
3754334.4	1.16932 (07120324)	1.22709 (07120324)	1.28388 (07120324)	1.34632 (07120324)	1.43805 (07120324)
3754234.4	1.17072 (07120324)	1.20688 (07120324)	1.27027 (07120324)	1.33658 (07120324)	1.41018 (07120324)
3754134.4	1.15950 (07120324)	1.24332 (07120324)	1.28928 (07120324)	1.35590 (07120324)	1.43086 (07120324)
3754034.4	1.17044 (07120324)	1.28604 (07120324)	1.33454 (07120324)	1.39164 (07120324)	1.45023 (07120324)
3753934.4	1.20276 (07120324)	1.30715 (07120324)	1.35186 (07120324)	1.41212 (07120324)	1.46529 (07120324)
3753834.4	1.25665 (07120324)	1.31315 (07120324)	1.37138 (07120324)	1.42483 (07120324)	1.49923 (07120324)
3753734.4	1.22857 (07120324)	1.28887 (07120324)	1.35167 (07120324)	1.42311 (07120324)	1.49474 (07120324)
3753634.4	1.17726 (06123124)	1.26676 (06123124)	1.25871 (07120324)	1.36080 (07120324)	1.44325 (07120324)
3753534.4	1.11847 (06123124)	1.11563 (06123124)	1.18332 (06123124)	1.34877 (06123124)	1.39998 (06123124)
3753434.4	0.97738 (05021124)	1.06795 (06123124)	1.15380 (06123124)	1.20861 (06123124)	1.30287 (06123124)
3753334.4	0.99437 (05021124)	1.03745 (05021124)	1.07215 (05021124)	1.12119 (05021124)	1.17359 (05021124)
3753234.4	0.99468 (05021124)	1.02980 (05021124)	1.07780 (05021124)	1.13507 (05021124)	1.17708 (05021124)
3753134.4	1.01033 (05021124)	1.04150 (05021124)	1.06867 (05021124)	1.10421 (05021124)	1.17755 (05021124)
3753034.4	0.97709 (05021124)	1.00552 (05021124)	1.06380 (05021124)	1.09542 (05021124)	1.15710 (05021124)
3752934.4	0.91458 (05021124)	0.95365 (05021124)	1.01353 (05021124)	1.04286 (05021124)	1.11033 (05021124)
3752834.4	0.89665 (05021124)	0.92666 (05021124)	0.97248 (05021124)	1.01325 (05021124)	1.05822 (05021124)
3752734.4	0.85369 (05021124)	0.89319 (05021124)	0.91770 (05021124)	0.95622 (05021124)	0.99672 (05021124)
3752634.4	0.82085 (05021124)	0.83971 (05021124)	0.88271 (05021124)	0.91193 (05021124)	0.93931 (05021124)
3752534.4	0.76870 (05021124)	0.79030 (05021124)	0.81002 (05021124)	0.85139 (05021124)	0.87874 (05020324)
3752434.4	0.71933 (05021124)	0.75551 (05020324)	0.78096 (05020324)	0.82144 (05020324)	0.85777 (05020324)
3752334.4	0.68997 (05121124)	0.72425 (05020324)	0.75687 (05020324)	0.78976 (05020324)	0.83197 (05020324)
3752234.4	0.66822 (05121124)	0.69762 (05020324)	0.73611 (05020324)	0.76532 (05020324)	0.80073 (05020324)
3752134.4	0.64724 (05020324)	0.67904 (05020324)	0.70844 (05020324)	0.74057 (05020324)	0.77607 (05020324)
3752034.4	0.64036 (07011224)	0.66637 (07011224)	0.68394 (07011224)	0.71315 (07011224)	0.74728 (05020324)
3751934.4	0.62389 (07011224)	0.64803 (07011224)	0.67345 (07011224)	0.69501 (07011224)	0.71905 (07011224)
3751834.4	0.61164 (07011224)	0.63474 (07011224)	0.65620 (07011224)	0.67853 (07011224)	0.69545m(05012424)
3751734.4	0.60738m(05012424)	0.62328m(05012424)	0.64097 (07011224)	0.66044 (07011224)	0.66998 (07011224)
3751634.4	0.58975m(05012424)	0.61534m(05012424)	0.63240m(05012424)	0.65391m(05012424)	0.68080m(05012424)
3751534.4	0.58234m(05012424)	0.61080m(05012424)	0.64200m(05012424)	0.65341m(05012424)	0.66842m(05012424)
3751434.4	0.59213m(05012424)	0.61141m(05012424)	0.62763m(05012424)	0.63754m(05012424)	0.64170m(05012424)
3751334.4	0.58321m(05012424)	0.59750m(05012424)	0.61352m(05012424)	0.60967m(05012424)	0.61151m(05012424)
3751234.4	0.57431m(05012424)	0.59046m(05012424)	0.59016m(05012424)	0.57549 (06011824)	0.57265 (05011824)
3751134.4	0.56850m(05012424)	0.57697m(05012424)	0.57234m(05012424)	0.53974 (05011824)	0.55690 (05011824)
3751034.4	0.55515m(05012424)	0.54587m(05012424)	0.51763 (05011824)	0.48556 (05011824)	0.51797 (05011824)
3750934.4	0.51124 (06011824)	0.50510 (06011824)	0.47775 (05011824)	0.44671 (05011824)	0.43479 (06101824)

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0110380 , L0110381 , L0110382 , L0110383 ,
L0110384 , L0110385 , L0110398 , L0110399 , L0110400 , L0110401 , L0110402 , L0110403 ,
L0110404 , L0110405 , L0110406 , L0110407 , L0110408 , L0110409 , L0110410 , L0110411 ,
L0110412 , L0110413 , L0110414 , L0110415 , L0110416 , L0110417 , L0110418 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485051.71	485151.71	485251.71	485351.71	485451.71
3754634.4	1.78728 (07120324)	1.91880 (07120324)	2.07267 (07120324)	2.35727 (07120324)	2.90733 (07120324)
3754534.4	1.71562 (07120324)	1.84625 (07120324)	2.04370 (07120324)	2.30774 (07120324)	2.80456 (07120324)
3754434.4	1.59364 (07120324)	1.71873 (07120324)	1.89629 (07120324)	2.17650 (07120324)	2.79569 (07120324)
3754334.4	1.53142 (07120324)	1.63397 (07120324)	1.76133 (07120324)	1.98639 (07120324)	2.53111 (07120324)
3754234.4	1.48288 (07120324)	1.58894 (07120324)	1.67943 (07120324)	1.77574 (07120324)	1.84827 (07120324)
3754134.4	1.50029 (07120324)	1.57266 (07120324)	1.62311 (07120324)	1.67271 (07120324)	1.64793 (07120324)
3754034.4	1.51551 (07120324)	1.55576 (07120324)	1.63299 (07120324)	1.67976 (07120324)	1.62742 (07120324)
3753934.4	1.53907 (07120324)	1.59530 (07120324)	1.68319 (07120324)	1.74155 (07120324)	1.69952 (07120324)
3753834.4	1.57013 (07120324)	1.64634 (07120324)	1.72216 (07120324)	1.74413 (07120324)	1.73511 (07120324)
3753734.4	1.55420 (07120324)	1.66615 (07120324)	1.75798 (07120324)	1.83006 (07120324)	1.82772 (07120324)
3753634.4	1.53039 (07120324)	1.62913 (07120324)	1.73723 (07120324)	1.82966 (07120324)	1.80775 (07120324)
3753534.4	1.42209 (07120324)	1.50885 (07120324)	1.54818 (07120324)	1.69676 (07120324)	1.76633 (07120324)
3753434.4	1.35657 (06123124)	1.35921 (06123124)	1.42158 (05022224)	1.50234 (05022224)	1.50018 (07120324)
3753334.4	1.24312 (05021124)	1.29409 (05022224)	1.36037 (05022224)	1.43291 (05022224)	1.41759 (05021124)
3753234.4	1.22893 (05021124)	1.30150 (05021124)	1.36415 (05021124)	1.43882 (05021124)	1.42605 (05021124)
3753134.4	1.23726 (05021124)	1.32236 (05021124)	1.35316 (05021124)	1.40871 (05021124)	1.40872 (05021124)
3753034.4	1.20661 (05021124)	1.28151 (05021124)	1.33095 (05021124)	1.40750 (05021124)	1.50045 (05021124)
3752934.4	1.15583 (05021124)	1.22280 (05021124)	1.29429 (05021124)	1.36149 (05021124)	1.44158 (05021124)
3752834.4	1.10260 (05021124)	1.16089 (05021124)	1.24985 (05021124)	1.28972 (05021124)	1.38068 (05021124)
3752734.4	1.05543 (05021124)	1.08646 (05021124)	1.15135 (05021124)	1.20769 (05021124)	1.29654 (05020324)
3752634.4	1.01686 (05021124)	1.05430 (05020324)	1.10223 (05020324)	1.15948 (05020324)	1.27049 (05020324)
3752534.4	0.93079 (05020324)	0.99803 (05020324)	1.04686 (05020324)	1.12525 (05020324)	1.22605 (05020324)
3752434.4	0.89439 (05020324)	0.96607 (05020324)	1.01021 (05020324)	1.09770 (05020324)	1.19320 (05020324)
3752334.4	0.87338 (05020324)	0.92730 (05020324)	0.98110 (05020324)	1.05703 (05020324)	1.13580 (05020324)
3752234.4	0.82623 (05020324)	0.89197 (05020324)	0.93768 (05020324)	1.00680 (05020324)	1.07572 (05020324)
3752134.4	0.81048 (05020324)	0.85324 (05020324)	0.90444 (05020324)	0.94629 (05020324)	1.00999 (05020324)
3752034.4	0.77437 (05020324)	0.81624 (05020324)	0.84833 (05020324)	0.89669 (05020324)	0.95315 (05020324)

```
 3751934.4 |      0.74674 (07011224)      0.77152 (07011224)      0.80050 (07011224)      0.85762 (07011224)      0.89022 (05011824)
 3751834.4 |      0.71636 (07011224)      0.74816 (07011224)      0.79476 (07011224)      0.81223 (05020124)      0.83547 (06022624)
 3751734.4 |      0.69394m(05012424)      0.73479m(05012424)      0.75705 (05011824)      0.77256 (05020124)      0.80497 (06022624)
 3751634.4 |      0.68709m(05012424)      0.71027m(05012424)      0.72158 (05020124)      0.73266 (06022624)      0.69134 (06101824)
 3751534.4 |      0.67855m(05012424)      0.67436 (05020124)      0.65593 (06022624)      0.60891 (06101824)      0.51764 (06101824)
 3751434.4 |      0.62861 (06111124)      0.61845 (05011824)      0.56419 (06101824)      0.47820 (06101824)      0.46027 (06101824)
 3751334.4 |      0.59936 (05011824)      0.56463 (05011824)      0.46158 (06101824)      0.43963 (06101824)      0.43732 (06101824)
 3751234.4 |      0.57694 (05011824)      0.50799 (06101824)      0.43005 (06101824)      0.42304 (06101824)      0.41308 (06101824)
 3751134.4 |      0.52362 (05011824)      0.49203 (06101824)      0.42278 (06101824)      0.40785 (06101824)      0.39385 (06121824)
 3751034.4 |      0.47913 (06101824)      0.42940 (06101824)      0.39736 (06101824)      0.38793 (06101824)      0.37729 (06121824)
 3750934.4 |      0.42849 (06101824)      0.39036 (06101824)      0.38170 (06101824)      0.36962 (06101824)      0.36340 (06022624)
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                                  ***        11/29/12
                                    *** PM10 - LST ASSESSMENT (NO REFRIGERATION)                                ***        09:02:48
                                                                                                                           PAGE  79
 **MODELOPTS:  NonDFAULT CONC                                                ELEV
                        FASTALL

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     PHASE1      , L0110380    , L0110381    , L0110382    , L0110383    ,
                   L0110384    , L0110385    , L0110398    , L0110399    , L0110400    , L0110401    , L0110402    , L0110403    ,
                   L0110404    , L0110405    , L0110406    , L0110407    , L0110408    , L0110409    , L0110410    , L0110411    ,
                   L0110412    , L0110413    , L0110414    , L0110415    , L0110416    , L0110417    , L0110418    ,  . . .      ,

                                    *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3                          **

  Y-COORD  |                                          X-COORD (METERS)
  (METERS) |       485549.47              485649.47              485749.47              485849.47
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3753434.9 |      1.87267 (05022224)      2.12743 (07120324)      2.50259 (07120324)      3.12224 (07120324)
 3753334.9 |      1.77970 (05022224)      2.00444 (05022224)      2.30680 (05022224)      2.84950 (07120324)
 3753234.9 |      1.76944 (05021124)      1.98162 (05021124)      2.22391 (05021124)      2.69223 (05022224)
 3753134.9 |      1.71649 (05021124)      1.90317 (05021124)      2.14338 (05021124)      2.56313 (05021124)
 3753034.9 |      1.66733 (05021124)      1.84362 (05021124)      2.02932 (05021124)      2.45688 (05020324)
 3752934.9 |      1.57505 (05021124)      1.71810 (05021124)      1.89812 (05020324)      2.38256 (05020324)
 3752834.9 |      1.49693 (05021124)      1.63087 (05020324)      1.88624 (05020324)      2.34798 (05020324)
 3752734.9 |      1.45263 (05020324)      1.59774 (05020324)      1.82769 (05020324)      2.25797 (05020324)
 3752634.9 |      1.39186 (05020324)      1.54575 (05020324)      1.76384 (05020324)      2.17693 (05020324)
 3752534.9 |      1.34727 (05020324)      1.46395 (05020324)      1.65080 (05020324)      2.04976 (05020324)
 3752434.9 |      1.29118 (05020324)      1.40745 (05020324)      1.60562 (05020324)      2.01528 (05020324)
 3752334.9 |      1.23804 (05020324)      1.35043 (05020324)      1.53439 (05020324)      1.97797 (05020324)
 3752234.9 |      1.15663 (05020324)      1.28379 (05020324)      1.44462 (05020324)      1.66207 (05020324)
 3752134.9 |      1.09805 (05020324)      1.17779 (05020324)      1.26143 (05020324)      1.37540 (06011724)
 3752034.9 |      0.97730 (05020324)      1.06577 (06022624)      1.13937 (06022624)      1.17373 (07102624)
 3751934.9 |      0.92714 (06022624)      1.00592 (06022624)      1.00900 (06022624)      1.03818 (07102624)
 3751834.9 |      0.89463 (06022624)      0.86429 (06022624)      0.87141 (07102624)      0.81555 (07102624)
 3751734.9 |      0.79568 (06022624)      0.79336 (06101824)      0.75335 (07102624)      0.60192 (07102624)
 3751634.9 |      0.67916 (06101824)      0.60476 (07102624)      0.61982 (07102624)      0.50222 (07102624)
 3751534.9 |      0.50803 (06101824)      0.50078 (06011724)      0.52154 (07102624)      0.49607 (06022624)
 3751434.9 |      0.45328 (06121824)      0.46729 (06011724)      0.45578 (07102624)      0.49100 (06022624)
 3751334.9 |      0.42907 (06121824)      0.44583 (06011724)      0.44483 (06022624)      0.48620 (06022624)
 3751234.9 |      0.41101 (06011724)      0.42125 (06011724)      0.44991 (06022624)      0.47680 (06022624)
 3751134.9 |      0.39497 (06011724)      0.40317 (06022624)      0.44981 (06022624)      0.45828 (06022624)
 3751034.9 |      0.38248 (06011724)      0.39912 (06022624)      0.44105 (06022624)      0.42969 (06022624)
 3750934.9 |      0.37630 (06011724)      0.39037 (06022624)      0.42174 (06022624)      0.39522 (06022624)
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                                  ***        11/29/12
                                    *** PM10 - LST ASSESSMENT (NO REFRIGERATION)                                ***        09:02:48
                                                                                                                           PAGE  80
 **MODELOPTS:  NonDFAULT CONC                                                ELEV
                        FASTALL

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     PHASE1      , L0110380    , L0110381    , L0110382    , L0110383    ,
                   L0110384    , L0110385    , L0110398    , L0110399    , L0110400    , L0110401    , L0110402    , L0110403    ,
                   L0110404    , L0110405    , L0110406    , L0110407    , L0110408    , L0110409    , L0110410    , L0110411    ,
                   L0110412    , L0110413    , L0110414    , L0110415    , L0110416    , L0110417    , L0110418    ,  . . .      ,

                                         *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3                          **

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       485619.40   3753969.72        2.16356  (07120324)               485712.99   3753961.92        2.43819  (07120324)
       487190.85   3754410.34       12.68377  (05030224)               487194.75   3754289.46        8.49297  (07111824)
       487268.83   3754090.60        5.48228  (07111824)               487483.30   3754102.29        3.63840  (05030224)
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                                  ***        11/29/12
                                    *** PM10 - LST ASSESSMENT (NO REFRIGERATION)                                ***        09:02:48
                                                                                                                           PAGE  81
 **MODELOPTS:  NonDFAULT CONC                                                ELEV
                        FASTALL

                                    *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER   3 YEARS ***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3                          **

                                                                                                                  NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL        1ST HIGHEST VALUE IS       7.80327 AT (  487190.85,  3754410.34,   509.37,   776.00,    0.00)  DC
           2ND HIGHEST VALUE IS       6.57100 AT (  488553.03,  3752938.31,   476.00,   811.00,    0.00)  GC  UCART1
           3RD HIGHEST VALUE IS       5.29311 AT (  487194.75,  3754289.46,   507.16,   777.00,    0.00)  DC
           4TH HIGHEST VALUE IS       3.41126 AT (  487268.83,  3754090.60,   503.10,   777.00,    0.00)  DC
           5TH HIGHEST VALUE IS       2.28398 AT (  487483.30,  3754102.29,   501.97,   777.00,    0.00)  DC
           6TH HIGHEST VALUE IS       2.10478 AT (  487553.03,  3754938.31,   526.30,   528.00,    0.00)  GC  UCART1
           7TH HIGHEST VALUE IS       1.93090 AT (  487553.03,  3753938.31,   496.40,   777.00,    0.00)  GC  UCART1
           8TH HIGHEST VALUE IS       1.92860 AT (  489553.03,  3752938.31,   484.00,   777.00,    0.00)  GC  UCART1
           9TH HIGHEST VALUE IS       1.87752 AT (  487553.03,  3752938.31,   479.60,   811.00,    0.00)  GC  UCART1
          10TH HIGHEST VALUE IS       1.54912 AT (  490553.03,  3752938.31,   483.20,   575.00,    0.00)  GC  UCART1


 *** RECEPTOR TYPES:  GC = GRIDCART
```

```
                    GP = GRIDPOLR
                    DC = DISCCART
                    DP = DISCPOLR
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                                  ***        11/29/12
                                  *** PM10 - LST ASSESSMENT (NO REFRIGERATION)                                 ***        09:02:48
                                                                                                                          PAGE  82
 **MODELOPTs:  NonDFAULT CONC                                                ELEV
                         FASTALL

                                                  *** THE SUMMARY OF HIGHEST 24-HR RESULTS ***


                                   ** CONC OF PM_10    IN MICROGRAMS/M**3                          **

                                                        DATE                                                                  NETWORK
GROUP ID                          AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - -
```

World Logistics Center

2012 Phase 1
PM2.5 Emissions

Emission Assumptions

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for PM2.5 emissions
c) Emissions calculated for 2012

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr):	24
Facility operations for All Others (hr):	24

World Logistics Center

2012 **Phase 1** **Build out in 2012**

Vehicle Running Exhaust Emissions **Pollutant** **PM2.5**

Travel to Building	**AERMOD Source ID**	**Diesel Vehicles (g/sec)**	**Non-Diesel Vehicles (g/sec)**	**Total (g/sec)**
High Cube	Phase 1	1.98E-02	4.77E-03	2.46E-02
Light Logistics	Phase 1	1.80E-04	5.13E-05	2.31E-04
Gas Compressor	Phase 1	5.27E-05	1.80E-05	7.07E-05
Fueling Station	Phase 1	7.60E-05	4.26E-06	8.02E-05
Total		2.02E-02	4.85E-03	2.50E-02

Vehicle Idling Emission Sources **Pollutant** **PM2.5**

Building	**AERMOD Source IDs**	**Diesel Vehicles Emissions (g/sec)**	**Non-Diesel Emissions (g/sec)**	**Total Emissions (g/sec)**
High Cube	Phase 1	6.24E-03	7.29E-05	6.31E-03
Light Logistics	Phase 1	1.12E-04	1.90E-06	1.13E-04
GasCompressor	Phase 1	3.54E-05	1.19E-06	3.66E-05
Fueling Station	Phase 1	2.12E-04	9.19E-07	2.13E-04
Total		6.60E-03	7.69E-05	6.67E-03

Total Onsite Emission

Runing Exhaust	2.50E-02	
Idling Emissions	6.67E-03	
Total	3.17E-02	g/sec
Size of Area Source	4600443	m2
Area Emission Rate	**6.88E-09**	**g/m2-sec**
Weighted Emission Ht (m)	3.53E+00	

World Logistics Center **2012** **Phase 1**

Vehicle Fleet Mix

	Building Size (sq-ft)	
High Cube Warehouse	21250000	
Light Logistics	200000	
Compression Station	30825	
Fueling Station/Convenience Store	3000	6 pumps
	21,483,825	

Trip Generation

	trips/day (Non-PCE)	Source
High Cube Warehouse	35700	<---- PB 2012 (100512)
Light Logistics	712	
Compression Station	247	
Fueling Station/Convenience Store	464	
Total	37123	

Vehicle Fleet for High Cube Warehouse

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	79.6%	53.23%	0.27%	41	15085	15126
LDT1		7.93%	0.11%	2	2250	2252
LDT2		19.54%	0.04%	2	5550	5552
MDT		19.30%	0.08%	5	5481	5486
SubTotal		100.0%		50	28367	28417
LHDT1 (2 axle truck)	3.5%	85.42%	37.31%	398	669	1067
LHDT2		14.58%	69.81%	127	55	182
Subtota;		100.0%		525	724	1250
MHDT (3 axle truck)	4.6%	100.0%	86.27%	1417	225	1642
HHDT (4+ axle truck)	12.3%	100.0%	98.96%	4345	46	4391
Total	100.0%			6338	29362	35700

Vehicle Fleet for Light Logistics

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	80.3%	53.23%	0.27%	1	304	304
LDT1		7.93%	0.11%	0	45	45
LDT2		19.54%	0.04%	0	112	112
MDT		19.30%	0.08%	0	110	110
SubTotal		100.0%		1	571	572
LHDT1 (2 axle truck)	5.2%	85.42%	37.31%	12	20	32
LHDT2		14.58%	69.81%	4	2	5
Subtota;		100.0%		16	21	37
MHDT (3 axle truck)	4.5%	100.0%	86.27%	28	4	32
HHDT (4+ axle truck)	10.0%	100.0%	98.96%	70	1	71
Total	100.0%			115	597	712

Vehicle Fleet for Gas Compression

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	77.2%	53.23%	0.27%	0	101	101
LDT1		7.93%	0.11%	0	15	15
LDT2		19.54%	0.04%	0	37	37
MDT		19.30%	0.08%	0	37	37
SubTotal		100.0%		0	190	190
LHDT1 (2 axle truck)	11.4%	85.42%	37.31%	9	15	24
LHDT2		14.58%	69.81%	3	1	4
Subtota;		100.0%		12	16	28
MHDT (3 axle truck)	2.6%	100.0%	86.27%	6	1	6
HHDT (4+ axle truck)	8.8%	100.0%	98.96%	21	0	22
Total	100.0%			39	207	247

Vehicle Fleet for Fueling Station/Convenience Store

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	51.4%	53.23%	0.27%	0	127	127
LDT1		7.93%	0.11%	0	19	19
LDT2		19.54%	0.04%	0	47	47
MDT		19.30%	0.08%	0	46	46
SubTotal		100.0%		0	238	238
LHDT1 (2 axle truck)	1.7%	85.42%	37.31%	3	4	7
LHDT2		14.58%	69.81%	1	0	1
Subtota;		100.0%		3	5	8
MHDT (3 axle truck)	7.8%	100.0%	86.27%	31	5	36
HHDT (4+ axle truck)	39.1%	100.0%	98.96%	180	2	181
Total	100.0%			214	250	464

Vehicle Summary (High Cube + Light Logistics + Gas Compressor + Fueling Station/Convenience Store)

Vehicle Class	Daily Diesel Trips	Daily Non Diesel Trips	Total Daily Trips
LDA	43	15617	15659
LDT1	2	2329	2332
LDT2	3	5745	5748
MDT	5	5674	5679
LHDT1	422	708	1130
LHDT2	135	58	193
MHDT	1481	236	1717
HHDT	4617	49	4665
Total	6706	30416	37123

Trip Generation from PB 2012 Traffic Study
Vehicle Fleet Mix taken from EMFAC2011 for the SCAQMD in **2012** and the PB 2012 Traffic Study
% Diesel taken from EMAC2011 for the SCAQMD in **2012**

World Logistics Center 2012 Phase 1 Build out in 2012
Diesel Vehicle Emissions PM2.5

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 24 **hrs/day, 52weeks/year**

Onsite Running Exhaust Emissions **PM2.5 Emissions**

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	**LDA**	15	0.095	41	950	0.59	2.30E+00	5.06E-03	2.66E-05	
	LDT1	15	0.190	2	950	0.59	2.68E-01	5.90E-04	3.10E-06	
	LDT2	15	0.169	2	950	0.59	2.44E-01	5.37E-04	2.82E-06	
	MDT	15	0.098	5	950	0.59	2.61E-01	5.74E-04	3.02E-06	
	LHDT1	15	0.105	398	950	0.59	2.46E+01	5.41E-02	2.84E-04	
	LHDT2	15	0.105	127	950	0.59	7.89E+00	1.74E-02	9.13E-05	
	MHDT	15	0.451	1417	950	0.59	3.77E+02	8.30E-01	4.36E-03	
	HHDT	15	0.508	4345	950	0.59	1.30E+03	2.87E+00	1.51E-02	
				6338			1.71E+03	3.78E+00	1.98E-02	1.98E-02
Travel at Light Logistics	**LDA**	15	0.095	1	500	0.31	2.43E-02	5.36E-05	2.82E-07	
	LDT1	15	0.190	0	500	0.31	2.84E-03	6.25E-06	3.28E-08	
	LDT2	15	0.169	0	500	0.31	2.58E-03	5.68E-06	2.99E-08	
	MDT	15	0.098	0	500	0.31	2.76E-03	6.08E-06	3.20E-08	
	LHDT1	15	0.105	12	500	0.31	3.83E-01	8.44E-04	4.44E-06	
	LHDT2	15	0.105	4	500	0.31	1.23E-01	2.71E-04	1.42E-06	
	MHDT	15	0.451	28	500	0.31	3.87E+00	8.52E-03	4.48E-05	
	HHDT	15	0.508	70	500	0.31	1.11E+01	2.45E-02	1.29E-04	
				115			1.55E+01	3.42E-02	1.80E-04	1.80E-04
Travel at Gas Compressor	**LDA**	15	0.095	0	500	0.31	8.10E-03	1.79E-05	9.38E-08	
	LDT1	15	0.190	0	500	0.31	9.45E-04	2.08E-06	1.09E-08	
	LDT2	15	0.169	0	500	0.31	8.59E-04	1.89E-06	9.94E-09	
	MDT	15	0.098	0	500	0.31	9.20E-04	2.03E-06	1.06E-08	
	LHDT1	15	0.105	9	500	0.31	2.91E-01	6.41E-04	3.37E-06	
	LHDT2	15	0.105	3	500	0.31	9.34E-02	2.06E-04	1.08E-06	
	MHDT	15	0.451	6	500	0.31	7.74E-01	1.70E-03	8.96E-06	
	HHDT	15	0.508	21	500	0.31	3.39E+00	7.46E-03	3.92E-05	
							4.56E+00	1.00E-02	5.27E-05	5.27E-05
Travel at Refueling Station	**LDA**	15	0.095	0	100	0.06	2.03E-03	4.47E-06	2.35E-08	
	LDT1	15	0.190	0	100	0.06	2.37E-04	5.22E-07	2.74E-09	
	LDT2	15	0.169	0	100	0.06	2.15E-04	4.74E-07	2.49E-09	
	MDT	15	0.098	0	100	0.06	2.30E-04	5.08E-07	2.67E-09	
	LHDT1	15	0.105	3	100	0.06	1.63E-02	3.60E-05	1.89E-07	
	LHDT2	15	0.105	1	100	0.06	5.24E-03	1.15E-05	6.07E-08	
	MHDT	15	0.451	31	100	0.06	8.74E-01	1.92E-03	1.01E-05	
	HHDT	15	0.508	180	100	0.06	5.66E+00	1.25E-02	6.56E-05	
				214						7.60E-05
Total - All Buildings	**LDA**			43			2.33E+00	5.14E-03	2.70E-05	
	LDT1			2			2.72E-01	5.99E-04	3.15E-06	
	LDT2			3			2.47E-01	5.45E-04	2.86E-06	
	MDT			5			2.65E-01	5.83E-04	3.06E-06	
	LHDT1			422			2.53E+01	5.56E-02	2.92E-04	
	LHDT2			135			8.11E+00	1.79E-02	9.39E-05	
	MHDT			1481			3.82E+02	8.42E-01	4.42E-03	
	HHDT			4617			1.32E+03	2.91E+00	1.53E-02	
	Total			6706			1.74E+03	3.84E+00	2.02E-02	2.02E-02

Diesel truck Idling Emissions **PM2.5 Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Peak Hour Emissions (g/day)	Peak Hour Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	**LHDT1**	0.482	15	199	2.40E+01	5.28E-02	2.77E-04	
	LHDT2	0.457	15	64	7.27E+00	1.60E-02	8.41E-05	
	MHDT	0.832	15	708	1.47E+02	3.24E-01	1.70E-03	
	HHDT	0.663	15	2173	3.60E+02	7.94E-01	4.17E-03	
				3144	5.39E+02	1.19E+00	6.24E-03	6.24E-03
Idle at Light Logistics	**LHDT1**	0.482	15	6	7.10E-01	1.56E-03	8.22E-06	
	LHDT2	0.457	15	2	2.15E-01	4.74E-04	2.49E-06	
	MHDT	0.832	15	14	2.87E+00	6.33E-03	3.33E-05	
	HHDT	0.663	15	35	5.84E+00	1.29E-02	6.76E-05	
				57	9.64E+00	2.12E-02	1.12E-04	1.12E-04
Idle at Gas Compressor	**LHDT1**	0.482	15	4	5.39E-01	1.19E-03	6.24E-06	
	LHDT2	0.457	15	1	1.63E-01	3.60E-04	1.89E-06	
	MHDT	0.832	15	3	5.75E-01	1.27E-03	6.66E-06	
	HHDT	0.663	15	11	1.78E+00	3.92E-03	2.06E-05	
				19	3.06E+00	6.74E-03	3.54E-05	3.54E-05
Idle at Fueling Station	**LHDT1**	0.482	15	1	1.51E-01	3.33E-04	1.75E-06	
	LHDT2	0.457	15	0	4.59E-02	1.01E-04	5.31E-07	
	MHDT	0.832	15	16	3.25E+00	7.15E-03	3.76E-05	
	HHDT	0.663	15	90	1.49E+01	3.28E-02	1.72E-04	
				107	1.83E+01	4.04E-02	2.12E-04	2.12E-04
TOTAL				3327	5.70E+02	1.26E+00	6.60E-03	6.60E-03

World Logistics Center 2012 Phase 1 Build out in 2012
Non-Diesel Vehicle Emissions PM2.5

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 24 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions PM2.5 Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	0.023	15085	950	0.59	2.05E+02	4.51E-01	2.37E-03	
	LDT1	15	0.030	2250	950	0.59	3.97E+01	8.74E-02	4.59E-04	
	LDT2	15	0.023	5550	950	0.59	7.61E+01	1.68E-01	8.81E-04	
	MDT	15	0.023	5481	950	0.59	7.55E+01	1.66E-01	8.74E-04	
	LHDT1	15	0.030	669	950	0.59	1.18E+01	2.60E-02	1.37E-04	
	LHDT2	15	0.023	55	950	0.59	7.37E-01	1.62E-03	8.53E-06	
	MHDT	15	0.024	225	950	0.59	3.19E+00	7.03E-03	3.69E-05	
	HHDT	15	0.021	46	950	0.59	5.70E-01	1.26E-03	6.60E-06	
				29362			4.12E+02	9.09E-01	4.77E-03	4.77E-03
Travel at Light Logistics	LDA	15	0.023	304	500	0.31	2.17E+00	4.78E-03	2.51E-05	
	LDT1	15	0.030	45	500	0.31	4.20E-01	9.26E-04	4.87E-06	
	LDT2	15	0.023	112	500	0.31	8.06E-01	1.78E-03	9.33E-06	
	MDT	15	0.023	110	500	0.31	8.00E-01	1.76E-03	9.26E-06	
	LHDT1	15	0.030	20	500	0.31	1.84E-01	4.05E-04	2.13E-06	
	LHDT2	15	0.023	2	500	0.31	1.15E-02	2.53E-05	1.33E-07	
	MHDT	15	0.024	4	500	0.31	3.28E-02	7.22E-05	3.79E-07	
	HHDT	15	0.021	1	500	0.31	4.87E-03	1.07E-05	5.63E-08	
				597			4.43E+00	9.75E-03	5.13E-05	5.13E-05
Travel at Gas Compressor	LDA	15	0.023	101	500	0.31	7.22E-01	1.59E-03	8.36E-06	
	LDT1	15	0.030	15	500	0.31	1.40E-01	3.08E-04	1.62E-06	
	LDT2	15	0.023	37	500	0.31	2.68E-01	5.91E-04	3.11E-06	
	MDT	15	0.023	37	500	0.31	2.66E-01	5.87E-04	3.08E-06	
	LHDT1	15	0.030	15	500	0.31	1.40E-01	3.08E-04	1.62E-06	
	LHDT2	15	0.023	1	500	0.31	8.72E-03	1.92E-05	1.01E-07	
	MHDT	15	0.024	1	500	0.31	6.56E-03	1.44E-05	7.59E-08	
	HHDT	15	0.021	0	500	0.31	1.48E-03	3.27E-06	1.72E-08	
				207			1.55E+00	3.42E-03	1.80E-05	1.80E-05
Travel at Fueling Station	LDA	15	0.023	127	100	0.06	1.81E-01	3.99E-04	2.09E-06	
	LDT1	15	0.030	19	100	0.06	3.51E-02	7.72E-05	4.06E-07	
	LDT2	15	0.023	47	100	0.06	6.72E-02	1.48E-04	7.78E-07	
	MDT	15	0.023	46	100	0.06	6.67E-02	1.47E-04	7.72E-07	
	LHDT1	15	0.030	4	100	0.06	7.84E-03	1.73E-05	9.08E-08	
	LHDT2	15	0.023	0	100	0.06	4.89E-04	1.08E-06	5.67E-09	
	MHDT	15	0.024	5	100	0.06	7.40E-03	1.63E-05	8.57E-08	
	HHDT	15	0.021	2	100	0.06	2.48E-03	5.46E-06	2.87E-08	
				250			3.68E-01	8.11E-04	4.26E-06	4.26E-06
Total - All Buildings	LDA			15617			2.08E+02	4.58E-01	2.41E-03	
	LDT1			2329			4.03E+01	8.88E-02	4.66E-04	
	LDT2			5745			7.72E+01	1.70E-01	8.94E-04	
	MDT			5674			7.67E+01	1.69E-01	8.87E-04	
	LHDT1			708			1.21E+01	2.67E-02	1.40E-04	
	LHDT2			58			7.57E-01	1.67E-03	8.76E-06	
	MHDT			236			3.24E+00	7.13E-03	3.75E-05	
	HHDT			49			5.79E-01	1.28E-03	6.70E-06	
				30416			4.19E+02	9.23E-01	4.85E-03	4.85E-03

Non-Diesel truck Idling Emissions **PM2.5 Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Peak Hour Emissions (g/day)	Peak Hour Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	**LHDT1**	0.047	15	335	3.91E+00	8.61E-03	4.53E-05	
	LHDT2	0.044	15	27	3.00E-01	6.60E-04	3.47E-06	
	MHDT	0.062	15	113	1.73E+00	3.82E-03	2.01E-05	
	HHDT	0.062	15	23	3.53E-01	7.77E-04	4.08E-06	
				498	6.30E+00	1.39E-02	7.29E-05	7.29E-05
Idle at Light Logistics	**LHDT1**	0.05	15	10	1.16E-01	2.55E-04	1.34E-06	
	LHDT2	0.04	15	1	8.88E-03	1.96E-05	1.03E-07	
	MHDT	0.06	15	2	3.38E-02	7.45E-05	3.92E-07	
	HHDT	0.06	15	0	5.72E-03	1.26E-05	6.62E-08	
				13	1.64E-01	3.62E-04	1.90E-06	1.90E-06
Idle at Gas Compressor	**LHDT1**	0.05	15	8	8.80E-02	1.94E-04	1.02E-06	
	LHDT2	0.04	15	1	6.74E-03	1.48E-05	7.80E-08	
	MHDT	0.06	15	0	6.77E-03	1.49E-05	7.84E-08	
	HHDT	0.06	15	0	1.74E-03	3.84E-06	2.02E-08	
				9	1.03E-01	2.27E-04	1.19E-06	1.19E-06
Idle at Fueling Station	**LHDT1**	0.047	15	2	2.47E-02	5.44E-05	2.86E-07	
	LHDT2	0.044	15	0	1.89E-03	4.17E-06	2.19E-08	
	MHDT	0.062	15	2	3.82E-02	8.42E-05	4.42E-07	
	HHDT	0.062	15	1	1.46E-02	3.21E-05	1.69E-07	
				6	7.94E-02	1.75E-04	9.19E-07	9.19E-07
TOTAL				525	6.64E+00	1.46E-02	7.69E-05	7.69E-05

World Logistics Center

2012 Phase 2
PM2.5 Emissions

Emission Assumptions

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for PM2.5 emissions
c) Emissions calculated for 2012

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr):	24
Facility operations for All Others (hr):	24

World Logistics Center

2012 **Phase 2** **Build out in 2012**

Vehicle Running Exhaust Emissions **Pollutant** **PM2.5**

Travel to Building	**AERMOD Source ID**	**Diesel Vehicles (g/sec)**	**Non-Diesel Vehicles (g/sec)**	**Total (g/sec)**
High Cube	Phase 2	1.88E-02	4.53E-03	2.33E-02
Light Logistics	Phase 2	0.00E+00	0.00E+00	0.00E+00
Gas Compressor	Phase 2	0.00E+00	0.00E+00	0.00E+00
Fueling Station	Phase 2	1.80E-05	1.01E-06	1.90E-05
Total		1.88E-02	4.53E-03	2.34E-02

Vehicle Idling Emission Sources **Pollutant** **PM2.5**

Building	**AERMOD Source IDs**	**Diesel Vehicles Emissions (g/sec)**	**Non-Diesel Emissions (g/sec)**	**Total Emissions (g/sec)**
High Cube	Phase 2	5.91E-03	6.91E-05	5.98E-03
Light Logistics	Phase 2	0.00E+00	0.00E+00	0.00E+00
GasCompressor	Phase 2	0.00E+00	0.00E+00	0.00E+00
Fueling Station	Phase 2	5.03E-05	2.18E-07	5.05E-05
Total		5.96E-03	6.93E-05	6.03E-03

Total Onsite Emission

Runing Exhaust	2.34E-02	
Idling Emissions	6.03E-03	
Total	2.94E-02	g/sec
Size of Area Source	4565134	m2
Area Emission Rate	**6.44E-09**	**g/m2-sec**
Weighted Emission Ht (m)	3.66E+00	

World Logistics Center **2012** **Phase 2**

Vehicle Fleet Mix

	Building Size (sq-ft)	
High Cube Warehouse	20150000	
Light Logistics	0	
Compression Station	0	
Fueling Station/Convenience Store	0	6 pumps
	20,150,000	

Trip Generation

	trips/day (Non-PCE)	Source
High Cube Warehouse	33852	<---- PB 2012 (100512)
Light Logistics	0	
Compression Station	0	
Fueling Station/Convenience Store	110	
Total	33962	

Vehicle Fleet for High Cube Warehouse

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	79.6%	53.23%	0.27%	39	14310	14349
LDT1		7.93%	0.11%	2	2134	2137
LDT2		19.54%	0.04%	2	5265	5267
MDT		19.30%	0.08%	4	5200	5204
SubTotal		100.0%		48	26909	26956
LHDT1 (2 axle truck)	3.5%	85.42%	37.31%	378	634	1012
LHDT2		14.58%	69.81%	121	52	173
Subtota;		100.0%		498	687	1185
MHDT (3 axle truck)	4.6%	100.0%	86.27%	1343	214	1557
HHDT (4+ axle truck)	12.3%	100.0%	98.96%	4120	44	4164
Total	100.0%			6010	27852	33862

Vehicle Fleet for Light Logistics

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	80.3%	53.23%	0.27%	0	0	0
LDT1		7.93%	0.11%	0	0	0
LDT2		19.54%	0.04%	0	0	0
MDT		19.30%	0.08%	0	0	0
SubTotal		100.0%		0	0	0
LHDT1 (2 axle truck)	5.2%	85.42%	37.31%	0	0	0
LHDT2		14.58%	69.81%	0	0	0
Subtota;		100.0%		0	0	0
MHDT (3 axle truck)	4.5%	100.0%	86.27%	0	0	0
HHDT (4+ axle truck)	10.0%	100.0%	98.96%	0	0	0
Total	100.0%			0	0	0

Vehicle Fleet for Gas Compression

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	77.2%	53.23%	0.27%	0	0	0
LDT1		7.93%	0.11%	0	0	0
LDT2		19.54%	0.04%	0	0	0
MDT		19.30%	0.08%	0	0	0
SubTotal		100.0%		0	0	0
LHDT1 (2 axle truck)	11.4%	85.42%	37.31%	0	0	0
LHDT2		14.58%	69.81%	0	0	0
Subtota;		100.0%		0	0	0
MHDT (3 axle truck)	2.6%	100.0%	86.27%	0	0	0
HHDT (4+ axle truck)	8.8%	100.0%	98.96%	0	0	0
Total	100.0%			0	0	0

Vehicle Fleet for Fueling Station/Convenience Store

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	51.4%	53.23%	0.27%	0	30	30
LDT1		7.93%	0.11%	0	4	4
LDT2		19.54%	0.04%	0	11	11
MDT		19.30%	0.08%	0	11	11
SubTotal		100.0%		0	56	57
LHDT1 (2 axle truck)	1.7%	85.42%	37.31%	1	1	2
LHDT2		14.58%	69.81%	0	0	0
Subtota;		100.0%		1	1	2
MHDT (3 axle truck)	7.8%	100.0%	86.27%	7	1	9
HHDT (4+ axle truck)	39.1%	100.0%	98.96%	43	0	43
Total	100.0%			51	59	110

Vehicle Summary (High Cube + Light Logistics + Gas Compressor + Fueling Station/Convenience Store)

Vehicle Class	Daily Diesel Trips	Daily Non Diesel Trips	Total Daily Trips
LDA	39	14340	14379
LDT1	2	2139	2141
LDT2	2	5276	5278
MDT	4	5211	5215
LHDT1	378	635	1014
LHDT2	121	52	173
MHDT	1351	215	1566
HHDT	4163	44	4207
Total	6061	27912	33972

Trip Generation from PB 2012 Traffic Study
Vehicle Fleet Mix taken from EMFAC2011 for the SCAQMD in **2012** and the PB 2012 Traffic Study
% Diesel taken from EMAC2011 for the SCAQMD in **2012**

World Logistics Center 2012 Phase 2 Build out in 2012
Diesel Vehicle Emissions PM2.5

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 24 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions

PM2.5 Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	LDA	15	0.095	39	950	0.59	2.18E+00	4.80E-03	2.52E-05	
	LDT1	15	0.190	2	950	0.59	2.54E-01	5.60E-04	2.94E-06	
	LDT2	15	0.169	2	950	0.59	2.31E-01	5.09E-04	2.67E-06	
	MDT	15	0.098	4	950	0.59	2.47E-01	5.45E-04	2.86E-06	
	LHDT1	15	0.105	378	950	0.59	2.33E+01	5.13E-02	2.70E-04	
	LHDT2	15	0.105	121	950	0.59	7.48E+00	1.65E-02	8.66E-05	
	MHDT	15	0.451	1343	950	0.59	3.57E+02	7.87E-01	4.13E-03	
	HHDT	15	0.508	4120	950	0.59	1.24E+03	2.72E+00	1.43E-02	
				6010			1.63E+03	3.58E+00	1.88E-02	1.88E-02
Travel at Light Logistics	LDA	15	0.095	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.190	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.169	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.098	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.105	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.105	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.451	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	0.508	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Gas Compressor	LDA	15	0.095	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.190	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.169	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.098	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.105	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.105	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.451	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	0.508	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
							0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Refueling Station	LDA	15	0.095	0	100	0.06	4.81E-04	1.06E-06	5.57E-09	
	LDT1	15	0.190	0	100	0.06	5.61E-05	1.24E-07	6.50E-10	
	LDT2	15	0.169	0	100	0.06	5.10E-05	1.12E-07	5.91E-10	
	MDT	15	0.098	0	100	0.06	5.46E-05	1.20E-07	6.32E-10	
	LHDT1	15	0.105	1	100	0.06	3.87E-03	8.53E-06	4.48E-08	
	LHDT2	15	0.105	0	100	0.06	1.24E-03	2.74E-06	1.44E-08	
	MHDT	15	0.451	7	100	0.06	2.07E-01	4.56E-04	2.40E-06	
	HHDT	15	0.508	43	100	0.06	1.34E+00	2.96E-03	1.55E-05	
				51						1.80E-05
Total - All Buildings	LDA			39			2.18E+00	4.80E-03	2.52E-05	
	LDT1			2			2.54E-01	5.60E-04	2.94E-06	
	LDT2			2			2.31E-01	5.09E-04	2.68E-06	
	MDT			4			2.47E-01	5.45E-04	2.86E-06	
	LHDT1			378			2.33E+01	5.13E-02	2.70E-04	
	LHDT2			121			7.48E+00	1.65E-02	8.66E-05	
	MHDT			1351			3.57E+02	7.87E-01	4.14E-03	
	HHDT			4163			1.24E+03	2.72E+00	1.43E-02	
	Total			6061			1.63E+03	3.58E+00	1.88E-02	1.88E-02

Diesel truck Idling Emissions

PM2.5 Emissions Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Peak Hour Emissions (g/day)	Peak Hour Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	LHDT1	0.482	15	189	2.27E+01	5.01E-02	2.63E-04	
	LHDT2	0.457	15	60	6.89E+00	1.52E-02	7.98E-05	
	MHDT	0.832	15	672	1.40E+02	3.08E-01	1.62E-03	
	HHDT	0.663	15	2060	3.42E+02	7.52E-01	3.95E-03	
				2981	5.11E+02	1.13E+00	5.91E-03	5.91E-03
Idle at Light Logistics	LHDT1	0.482	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	0.457	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	0.832	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.663	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Gas Compressor	LHDT1	0.482	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	0.457	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	0.832	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.663	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Fueling Station	LHDT1	0.482	15	0	3.59E-02	7.90E-05	4.15E-07	
	LHDT2	0.457	15	0	1.09E-02	2.40E-05	1.26E-07	
	MHDT	0.832	15	4	7.70E-01	1.69E-03	8.91E-06	
	HHDT	0.663	15	21	3.53E+00	7.77E-03	4.08E-05	
				25	4.35E+00	9.57E-03	5.03E-05	5.03E-05
TOTAL				3006	5.15E+02	1.13E+00	5.96E-03	5.96E-03

World Logistics Center 2012 Phase 2 Build out in 2012
Non-Diesel Vehicle Emissions PM2.5

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 24 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions PM2.5 Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	0.023	14310	950	0.59	1.94E+02	4.28E-01	2.25E-03	
	LDT1	15	0.030	2134	950	0.59	3.77E+01	8.29E-02	4.36E-04	
	LDT2	15	0.023	5265	950	0.59	7.22E+01	1.59E-01	8.36E-04	
	MDT	15	0.023	5200	950	0.59	7.17E+01	1.58E-01	8.29E-04	
	LHDT1	15	0.030	634	950	0.59	1.12E+01	2.47E-02	1.30E-04	
	LHDT2	15	0.023	52	950	0.59	6.98E-01	1.54E-03	8.08E-06	
	MHDT	15	0.024	214	950	0.59	3.03E+00	6.67E-03	3.50E-05	
	HHDT	15	0.021	44	950	0.59	5.41E-01	1.19E-03	6.26E-06	
				27852			3.91E+02	8.62E-01	4.53E-03	4.53E-03
Travel at Light Logistics	LDA	15	0.023	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.030	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.023	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.023	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.030	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.023	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.024	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	0.021	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Gas Compressor	LDA	15	0.023	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.030	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.023	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.023	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.030	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.023	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.024	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	0.021	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Fueling Station	LDA	15	0.023	30	100	0.06	4.29E-02	9.45E-05	4.97E-07	
	LDT1	15	0.030	4	100	0.06	8.31E-03	1.83E-05	9.62E-08	
	LDT2	15	0.023	11	100	0.06	1.59E-02	3.51E-05	1.84E-07	
	MDT	15	0.023	11	100	0.06	1.58E-02	3.49E-05	1.83E-07	
	LHDT1	15	0.030	1	100	0.06	1.86E-03	4.10E-06	2.15E-08	
	LHDT2	15	0.023	0	100	0.06	1.16E-04	2.56E-07	1.34E-09	
	MHDT	15	0.024	1	100	0.06	1.76E-03	3.87E-06	2.03E-08	
	HHDT	15	0.021	0	100	0.06	5.88E-04	1.30E-06	6.81E-09	
				59			8.73E-02	1.92E-04	1.01E-06	1.01E-06
Total - All Buildings	LDA			14340			1.94E+02	4.28E-01	2.25E-03	
	LDT1			2139			3.77E+01	8.30E-02	4.36E-04	
	LDT2			5276			7.22E+01	1.59E-01	8.36E-04	
	MDT			5211			7.17E+01	1.58E-01	8.30E-04	
	LHDT1			635			1.12E+01	2.47E-02	1.30E-04	
	LHDT2			52			6.99E-01	1.54E-03	8.09E-06	
	MHDT			215			3.03E+00	6.67E-03	3.51E-05	
	HHDT			44			5.41E-01	1.19E-03	6.27E-06	
				27912			3.91E+02	8.62E-01	4.53E-03	4.53E-03

Non-Diesel truck Idling Emissions PM2.5 Emissions Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Peak Hour Emissions (g/day)	Peak Hour Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	LHDT1	0.047	15	317	3.71E+00	8.17E-03	4.29E-05	
	LHDT2	0.044	15	26	2.84E-01	6.26E-04	3.29E-06	
	MHDT	0.062	15	107	1.64E+00	3.62E-03	1.90E-05	
	HHDT	0.062	15	22	3.35E-01	7.37E-04	3.87E-06	
				472	5.97E+00	1.32E-02	6.91E-05	6.91E-05
Idle at Light Logistics	LHDT1	0.05	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	0.04	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	0.06	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.06	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Gas Compressor	LHDT1	0.05	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	0.04	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	0.06	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.06	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Fueling Station	LHDT1	0.047	15	1	5.85E-03	1.29E-05	6.77E-08	
	LHDT2	0.044	15	0	4.48E-04	9.88E-07	5.19E-09	
	MHDT	0.062	15	1	9.06E-03	2.00E-05	1.05E-07	
	HHDT	0.062	15	0	3.46E-03	7.61E-06	4.00E-08	
				1	1.88E-02	4.15E-05	2.18E-07	2.18E-07
TOTAL				473	5.99E+00	1.32E-02	6.93E-05	6.93E-05

World Logistics Center **2012** **PM2.5** Based on PB Traffic Results 10/23/2012

Project-Related Emissions **Phase 1 + Phase 2** NoR

Build out in 2012

Internal Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Entrained Dust (g/sec)	Total Emissions (g/sec)	sighted Emission Ht (m)
1	8.78E-03	9.49E-04	8.46E-03	1.82E-02	2.45
2	1.80E-02	2.05E-03	1.76E-02	3.77E-02	2.44
3	1.23E-02	1.47E-03	1.21E-02	2.58E-02	2.43
4	5.17E-03	7.68E-04	5.05E-03	1.10E-02	2.41
5	6.39E-03	1.41E-03	6.74E-03	1.45E-02	2.32
6	1.39E-02	1.84E-03	1.38E-02	2.96E-02	2.41
7	1.39E-03	2.50E-04	1.09E-02	1.26E-02	1.33
8	1.68E-03	2.25E-03	3.97E-03	7.89E-03	1.64
11	1.01E-04	-5.91E-04	-6.83E-04	-1.17E-03	1.00
12	1.84E-04	1.09E-03	1.55E-03	2.83E-03	1.20
14	2.26E-03	6.33E-04	2.70E-03	5.59E-03	2.21
15	1.77E-03	1.16E-04	1.70E-03	3.59E-03	2.48
18	9.96E-04	2.00E-04	1.07E-03	2.27E-03	2.32
18a	2.37E-04	7.86E-05	2.88E-04	6.04E-04	2.18
19	4.98E-03	5.72E-04	4.87E-03	1.04E-02	2.43
20	3.73E-04	3.02E-04	6.53E-04	1.33E-03	1.84
21	4.73E-03	9.59E-04	5.04E-03	1.07E-02	2.32
22	5.04E-03	1.27E-03	5.69E-03	1.20E-02	2.26
23	2.22E-03	3.90E-04	1.73E-02	1.99E-02	1.33
24	3.17E-03	1.43E-03	4.31E-03	8.91E-03	2.07
25	1.55E-03	3.22E-04	1.67E-03	3.54E-03	2.31
26	1.83E-03	2.81E-04	1.40E-02	1.61E-02	1.34
27	1.15E-03	1.80E-04	8.84E-03	1.02E-02	1.34
28	2.80E-03	4.75E-04	2.90E-03	6.18E-03	2.36
29	3.46E-03	1.08E-03	4.24E-03	8.78E-03	2.18
30	1.11E-02	2.27E-03	1.21E-02	2.55E-02	2.31
31	1.19E-03	9.15E-05	9.69E-04	2.25E-03	2.59
				3.07E-01	

World Logistics Center 2012
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011 @ All Speeds

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	18,564,554
LDT1-GAS	2,769,045
LDT2-GAS	6,829,871
MDT-GAS	6,745,581
LHDT1-GAS	1,119,068
LHDT2-GAS	91,973
MHDT-GAS	65,362
HHDT-GAS	15,407
Subtotal	36200862
DSL Vehicle Class	
LDA-DSL	50,577.34
LDT1-DSL	2,938.21
LDT2-DSL	3,005.82
MDT-DSL	5,552.22
LHDT1-DSL	666,115.99
LHDT2-DSL	212,631.41
MHDT-DSL	410,652.45
HHDT-DSL	1,459,287.49
Subtotal	2810761
Grand Total	39011623

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	18564554	50577	18615131	53.23%	99.7%	0.27%
LDT1	Pass Car	2769045	2938	2771983	7.93%	99.9%	0.11%
LDT2	Pass Car	6829871	3006	6832877	19.54%	100.0%	0.04%
MDT	Pass Car	6745581	5552	6751134	19.30%	99.9%	0.08%
Subtotal		34909052	62074	34971125	100.00%	99.8%	0.18%
LHDT1	Light Heavy Truck	1119068	666116	1785184	85.42%	62.7%	37.31%
LHDT2	Light Heavy Truck	91973	212631	304605	14.58%	30.2%	69.81%
Subtotal		1211042	878747	2089789			
MHDT	Medium Heavy Truck	65362	410652	476014	100%	13.7%	86.27%
HHDT	Heavy Heavy Truck	15407	1459287	1474694	100%	1.0%	98.96%

World Logistics Center **2012** **PM2.5** **Phase 1 + Phase 2** **Build out in 2012**

Project-Related Emissions
Internal Roadway Circulation

Project Operations: 24 hours/day

Vehicle Fleet Trips - Diesel (% Vehicle Class)

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.14%	0.01%	0.01%	0.02%	31.87%	10.17%	86.27%	98.96%

Vehicle Trips

Roadway Segment	Total Daily Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2 DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)
1	32599	19,321	1,010	3,065	9,203	327	0.203	28	2	2	3	322	103	2644	9107	12210
2	37051	22,004	1,705	3,238	10,104	614	0.381	32	2	2	3	543	173	2793	9998	13548
3	13549	8,187	649	1,173	3,540	1181	0.734	12	1	1	1	207	66	1012	3503	4802
4	8744	4,783	1,337	1,422	1,202	934	0.580	7	0	0	1	426	136	1227	1189	2987
5	12586	8,219	1,477	1,688	1,202	1060	0.658	12	1	1	1	471	150	1456	1189	3281
6	16617	10,488	679	1,415	4,035	1163	0.722	15	1	1	2	216	69	1221	3993	5518
7	4499	3,133	176	342	848	535	0.332	5	0	0	0	56	18	295	839	1214
8	14754	13,462	507	785	0	1143	0.710	19	1	1	2	162	52	677	0	914
11	-3416	-3,491	28	47	0	1201	0.746	-5	0	0	-1	9	3	41	0	46
12	9503	9,271	143	42	47	824	0.512	13	1	1	1	46	15	36	47	159
14	6130	4,839	167	220	904	897	0.557	7	0	0	1	53	17	190	895	1163
15	2327	754	540	192	841	734	0.456	1	0	0	0	172	55	166	832	1226
18	2415	1,695	137	179	404	780	0.485	2	0	0	0	44	14	154	400	615
18a	1031	822	37	69	103	648	0.403	1	0	0	0	12	4	60	102	178
19	4677	2,814	183	400	1,280	1347	0.837	4	0	0	0	58	19	345	1267	1694
20	2183	1,935	71	128	49	1067	0.663	3	0	0	0	23	7	110	48	192
21	13513	9,711	498	1,096	2,208	664	0.412	14	1	1	2	159	51	946	2185	3357
22	16074	12,213	545	1,096	2,220	704	0.437	18	1	1	2	174	55	946	2197	3393
23	8427	5,839	309	663	1,616	448	0.278	8	0	1	1	98	31	572	1599	2311
24	8050	6,795	218	437	600	1443	0.896	10	1	1	1	69	22	377	594	1074
25	11265	8,239	339	788	1,899	265	0.165	12	1	1	1	108	34	680	1879	2716
26	6767	4,509	251	531	1,476	417	0.259	7	0	0	1	80	26	458	1461	2032
27	5203	3,467	214	420	1,102	347	0.216	5	0	0	1	68	22	362	1090	1549
28	3178	2,183	115	246	634	1459	0.906	3	0	0	0	37	12	212	627	892
29	16309	13,239	299	621	2,150	564	0.350	19	1	1	2	95	30	536	2128	2812
30	9673	7,129	224	538	1,782	2174	1.351	10	1	1	1	71	23	464	1763	2334
31	785	350	38	268	129	1563	0.971	1	0	0	0	12	4	231	128	375

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors (g/mi)

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.0558	0.1030	0.0925	0.0574	0.0812	0.0844	0.2734	0.3264
2	0.0453	0.0782	0.0708	0.0466	0.0626	0.0667	0.2246	0.2956
3	0.0486	0.0864	0.0779	0.0500	0.0692	0.0729	0.2287	0.2855
4	0.0451	0.0763	0.0692	0.0467	0.0593	0.0635	0.2610	0.3567

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	Total (g/sec)
1	1	3.67E-06	3.93E-07	3.61E-07	4.14E-07	6.15E-05	2.04E-05	1.70E-03	6.99E-03	8.78E-03
2	1	7.84E-06	8.41E-07	7.72E-07	8.86E-07	1.95E-04	6.46E-05	3.37E-03	1.44E-02	1.80E-02
3	1	5.61E-06	6.02E-07	5.53E-07	6.34E-07	1.43E-04	4.73E-05	2.35E-03	9.71E-03	1.23E-02
4	1	2.59E-06	2.78E-07	2.55E-07	2.93E-07	2.32E-04	7.71E-05	2.25E-03	2.61E-03	5.17E-03
5	1	5.06E-06	5.42E-07	4.98E-07	5.71E-07	2.91E-04	9.67E-05	3.03E-03	2.96E-03	6.39E-03
6	1	7.08E-06	7.59E-07	6.97E-07	8.00E-07	1.47E-04	4.88E-05	2.79E-03	1.09E-02	1.39E-02
7	1	9.73E-07	1.04E-07	9.58E-08	1.10E-07	1.75E-05	5.81E-06	3.10E-04	1.05E-03	1.39E-03
8	1	8.93E-06	9.57E-07	8.80E-07	1.01E-06	1.08E-04	3.58E-05	1.52E-03	0.00E+00	1.68E-03
11	1	-2.43E-06	-2.61E-07	-2.40E-07	-2.75E-07	6.26E-06	2.08E-06	9.57E-05	0.00E+00	1.01E-04
12	1	4.43E-06	4.75E-07	4.37E-07	5.01E-07	2.19E-05	7.27E-06	5.87E-05	8.99E-05	1.84E-04
14	1	2.52E-06	2.70E-07	2.48E-07	2.85E-07	2.79E-05	9.25E-06	3.35E-04	1.88E-03	2.26E-03
15	1	3.21E-07	3.44E-08	3.16E-08	3.63E-08	7.38E-05	2.45E-05	2.39E-04	1.43E-03	1.77E-03
18	1	7.68E-07	8.23E-08	7.56E-08	8.67E-08	1.99E-05	6.60E-06	2.37E-04	7.32E-04	9.96E-04
18a	1	3.09E-07	3.31E-08	3.05E-08	3.49E-08	4.46E-06	1.48E-06	7.58E-05	1.55E-04	2.37E-04
19	1	2.20E-06	2.36E-07	2.17E-07	2.49E-07	4.59E-05	1.52E-05	9.14E-04	4.00E-03	4.98E-03
20	1	1.20E-06	1.28E-07	1.18E-07	1.35E-07	1.41E-05	4.68E-06	2.32E-04	1.21E-04	3.73E-04
21	1	3.74E-06	4.01E-07	3.69E-07	4.23E-07	6.15E-05	2.04E-05	1.23E-03	3.41E-03	4.73E-03
22	1	4.99E-06	5.35E-07	4.92E-07	5.64E-07	7.14E-05	2.37E-05	1.31E-03	3.63E-03	5.04E-03
23	1	1.52E-06	1.63E-07	1.50E-07	1.72E-07	2.58E-05	8.55E-06	5.04E-04	1.68E-03	2.22E-03
24	1	5.69E-06	6.10E-07	5.61E-07	6.43E-07	5.86E-05	1.94E-05	1.07E-03	2.01E-03	3.17E-03
25	1	1.27E-06	1.36E-07	1.25E-07	1.43E-07	1.67E-05	5.55E-06	3.54E-04	1.17E-03	1.55E-03
26	1	1.09E-06	1.17E-07	1.07E-07	1.23E-07	1.95E-05	6.46E-06	3.75E-04	1.43E-03	1.83E-03
27	1	6.98E-07	7.49E-08	6.88E-08	7.89E-08	1.38E-05	4.58E-06	2.47E-04	8.88E-04	1.15E-03
28	1	1.85E-06	1.98E-07	1.82E-07	2.09E-07	3.12E-05	1.04E-05	6.09E-04	2.15E-03	2.80E-03
29	1	4.33E-06	4.65E-07	4.27E-07	4.90E-07	3.14E-05	1.04E-05	5.94E-04	2.82E-03	3.46E-03
30	1	9.00E-06	9.64E-07	8.86E-07	1.02E-06	9.06E-05	3.01E-05	1.98E-03	9.00E-03	1.11E-02
31	1	3.18E-07	3.40E-08	3.13E-08	3.59E-08	1.11E-05	3.67E-06	7.10E-04	4.68E-04	1.19E-03

World Logistics Center 2012 PM2.5 Phase 1 + Phase 2 Build out in 2012

Project-Related Emissions
Internal Roadway Circulation

Project Operations: 24 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
53.09%	7.92%	19.53%	19.29%	53.55%	4.40%	13.73%	1.04%

Vehicle Trips

Roadway Segment	Total Daily Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2 GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	32599	19,321	1,010	3,065	9,203	327	0.203	10257	1530	3773	3727	541	44	421	96	20389
2	37051	22,004	1,705	3,238	10,104	614	0.381	11681	1742	4297	4244	913	75	445	106	23503
3	13549	8,187	649	1,173	3,540	1181	0.734	4346	648	1599	1579	348	29	161	37	8747
4	8744	4,783	1,337	1,422	1,202	934	0.580	2539	379	934	923	716	59	195	13	5757
5	12586	8,219	1,477	1,688	1,202	1060	0.658	4363	651	1605	1585	791	65	232	13	9305
6	16617	10,488	679	1,415	4,035	1163	0.722	5568	830	2048	2023	364	30	194	42	11099
7	4499	3,133	176	342	848	535	0.332	1663	248	612	604	94	8	47	9	3285
8	14754	13,462	507	785	0	1143	0.710	7146	1066	2629	2597	271	22	108	0	13840
11	-3416	-3,491	28	47	0	1201	0.746	-1853	-276	-682	-673	15	1	6	0	-3462
12	9503	9,271	143	42	47	824	0.512	4922	734	1811	1788	77	6	6	0	9344
14	6130	4,839	167	220	904	897	0.557	2569	383	945	933	89	7	30	9	4967
15	2327	754	540	192	841	734	0.456	400	60	147	145	289	24	26	9	1101
18	2415	1,695	137	179	404	780	0.485	900	134	331	327	73	6	25	4	1800
18a	1031	822	37	69	103	648	0.403	436	65	161	159	20	2	9	1	853
19	4677	2,814	183	400	1,280	1347	0.837	1494	223	550	543	98	8	55	13	2983
20	2183	1,935	71	128	49	1067	0.663	1027	153	378	373	38	3	18	1	1991
21	13513	9,711	498	1,096	2,208	664	0.412	5155	769	1897	1873	267	22	150	23	10156
22	16074	12,213	545	1,096	2,220	704	0.437	6483	967	2385	2356	292	24	150	23	12681
23	8427	5,839	309	663	1,616	448	0.278	3100	462	1140	1126	165	14	91	17	6116
24	8050	6,795	218	437	600	1443	0.896	3607	538	1327	1311	117	10	60	6	6976
25	11265	8,239	339	788	1,899	265	0.165	4374	652	1609	1589	182	15	108	20	8549
26	6767	4,509	251	531	1,476	417	0.259	2394	357	881	870	134	11	73	15	4735
27	5203	3,467	214	420	1,102	347	0.216	1840	275	677	669	115	9	58	12	3654
28	3178	2,183	115	246	634	1459	0.906	1159	173	426	421	62	5	34	7	2286
29	16309	13,239	299	621	2,150	564	0.350	7028	1048	2586	2554	160	13	85	22	13497
30	9673	7,129	224	538	1,782	2174	1.351	3784	564	1392	1375	120	10	74	19	7339
31	785	350	38	268	129	1563	0.971	186	28	68	68	20	2	37	1	410

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1 Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2 Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3 Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4 Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	0.0195	0.0221	0.0196	0.0196	0.0203	0.0201	0.0208	0.0193
2	0.0191	0.0212	0.0192	0.0192	0.0188	0.0186	0.0188	0.0183
3	0.0192	0.0213	0.0192	0.0193	0.0193	0.0192	0.0196	0.0187
4	0.0194	0.0217	0.0195	0.0195	0.0186	0.0186	0.0188	0.0183

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	4.71E-04	7.96E-05	1.74E-04	1.72E-04	2.58E-05	2.10E-06	2.06E-05	4.36E-06	9.49E-04
2	1	1.01E-03	1.70E-04	3.72E-04	3.68E-04	8.18E-05	6.67E-06	4.08E-05	9.00E-06	2.05E-03
3	1	7.20E-04	1.22E-04	2.66E-04	2.63E-04	5.99E-05	4.88E-06	2.84E-05	6.06E-06	1.47E-03
4	1	3.33E-04	5.63E-05	1.23E-04	1.22E-04	9.76E-05	7.95E-06	2.73E-05	1.63E-06	7.68E-04
5	1	6.49E-04	1.10E-04	2.40E-04	2.37E-04	1.22E-04	9.97E-06	3.67E-05	1.85E-06	1.41E-03
6	1	9.08E-04	1.54E-04	3.36E-04	3.32E-04	6.17E-05	5.03E-06	3.38E-05	6.80E-06	1.84E-03
7	1	1.25E-04	2.11E-05	4.61E-05	4.56E-05	7.36E-06	6.00E-07	3.75E-06	6.58E-07	2.50E-04
8	1	1.15E-03	1.94E-04	4.23E-04	4.19E-04	4.53E-05	3.69E-06	1.84E-05	0.00E+00	2.25E-03
11	1	-3.12E-04	-5.28E-05	-1.15E-04	-1.14E-04	2.63E-06	2.14E-07	1.16E-06	0.00E+00	-5.91E-04
12	1	5.69E-04	9.62E-05	2.10E-04	2.08E-04	9.21E-06	7.51E-07	7.10E-07	5.62E-08	1.09E-03
14	1	3.23E-04	5.47E-05	1.19E-04	1.18E-04	1.17E-05	9.54E-07	4.05E-06	1.18E-06	6.33E-04
15	1	4.12E-05	6.97E-06	1.52E-05	1.51E-05	3.10E-05	2.52E-06	2.89E-06	8.95E-07	1.16E-04
18	1	9.85E-05	1.67E-05	3.64E-05	3.60E-05	8.35E-06	6.81E-07	2.86E-06	4.57E-07	2.00E-04
18a	1	3.97E-05	6.71E-06	1.47E-05	1.45E-05	1.87E-06	1.53E-07	9.17E-07	9.68E-08	7.86E-05
19	1	2.82E-04	4.78E-05	1.04E-04	1.03E-04	1.93E-05	1.57E-06	1.11E-05	2.50E-06	5.72E-04
20	1	1.54E-04	2.60E-05	5.68E-05	5.62E-05	5.92E-06	4.83E-07	2.80E-06	7.58E-08	3.02E-04
21	1	4.80E-04	8.12E-05	1.77E-04	1.76E-04	2.58E-05	2.11E-06	1.49E-05	2.13E-06	9.59E-04
22	1	6.40E-04	1.08E-04	2.37E-04	2.34E-04	3.00E-05	2.44E-06	1.58E-05	2.27E-06	1.27E-03
23	1	1.95E-04	3.30E-05	7.20E-05	7.12E-05	1.08E-05	8.82E-07	6.09E-06	1.05E-06	3.90E-04
24	1	7.30E-04	1.24E-04	2.70E-04	2.67E-04	2.46E-05	2.00E-06	1.29E-05	1.26E-06	1.43E-03
25	1	1.63E-04	2.75E-05	6.01E-05	5.94E-05	7.02E-06	5.72E-07	4.28E-06	7.30E-07	3.22E-04
26	1	1.40E-04	2.37E-05	5.17E-05	5.12E-05	8.18E-06	6.67E-07	4.54E-06	8.92E-07	2.81E-04
27	1	8.96E-05	1.52E-05	3.31E-05	3.27E-05	5.80E-06	4.73E-07	2.99E-06	5.54E-07	1.80E-04
28	1	2.37E-04	4.01E-05	8.76E-05	8.67E-05	1.31E-05	1.07E-06	7.36E-06	1.34E-06	4.75E-04
29	1	5.56E-04	9.41E-05	2.05E-04	2.03E-04	1.32E-05	1.07E-06	7.19E-06	1.76E-06	1.08E-03
30	1	1.15E-03	1.95E-04	4.26E-04	4.22E-04	3.81E-05	3.10E-06	2.40E-05	5.62E-06	2.27E-03
31	1	4.07E-05	6.89E-06	1.51E-05	1.49E-05	4.64E-06	3.78E-07	8.60E-06	2.92E-07	9.15E-05

World Logistics Center

Entrained Road Dust

Calculation Parameters - Median Vehicle Weight

Vehicle Class	Averaged Weight Tons
Pass, LHDT,MDT	2.13
LHDT	5.63
MHDT	11.75
HHDT	23.25

Calculation Parameters - Silt Loading

	Road Type	Silt Loading (g/m2)
Freeway	F	0.022
Arterial, Major Collector	A	0.035
Minor Collector	M	0.32

Particle Size Multiplier for PM2.5 = 0.00054 lb/VMT

Roadway Segment	Road Type	Segment Length (m)	Segment Length (mi)	Pass (trips/Day)	Daily Pass VMT	LHDT (trips/day)	Daily LHDT VMT	MHDT (trips/day)	Daily MHDT VMT	HHDT (trips/day)	Daily HHDT VMT	Daily Total VMT	Average Vehicle Wt (tons)	Silt Loading (g/m2)	Emission Factor (lb/VMT)	Entrained Dust (lb/day)	Emissions (g/sec)
1	A	327	0.20	19,321	3925	1,010	205	3,065	623	9,203	1869	6622	9.11	0.035	0.0002	1.6	8.46E-03
2	A	614	0.38	22,004	8393	1,705	650	3,238	1235	10,104	3854	14132	8.89	0.035	0.0002	3.4	1.76E-02
3	A	1181	0.73	8,187	6006	649	476	1,173	861	3,540	2597	9940	8.65	0.035	0.0002	2.3	1.21E-02
4	A	934	0.58	4,783	2775	1,337	776	1,422	825	1,202	697	5073	7.13	0.035	0.0002	1.0	5.05E-03
5	A	1060	0.66	8,219	5412	1,477	973	1,688	1112	1,202	791	8288	5.85	0.035	0.0002	1.3	6.74E-03
6	A	1163	0.72	10,488	7577	679	491	1,415	1022	4,035	2915	12005	8.22	0.035	0.0002	2.6	1.38E-02
7	M	535	0.33	3,133	1041	176	58	342	114	848	282	1495	6.98	0.32	0.0014	2.1	1.09E-02
8	A	1143	0.71	13,462	9559	507	360	785	557	0	0	10476	2.76	0.035	0.0001	0.8	3.97E-03
11	A	1201	0.75	-3,491	-2605	28	21	47	35	0	0	-2549	1.97	0.035	0.0001	-0.1	-6.83E-04
12	A	824	0.51	9,271	4746	143	73	42	21	47	24	4864	2.33	0.035	0.0001	0.3	1.55E-03
14	A	897	0.56	4,839	2696	167	93	220	123	904	504	3416	5.69	0.035	0.0002	0.5	2.70E-03
15	A	734	0.46	754	344	540	246	192	88	841	383	1061	11.37	0.035	0.0003	0.3	1.70E-03
18	A	780	0.48	1,695	821	137	66	179	87	404	196	1170	6.57	0.035	0.0002	0.2	1.07E-03
18a	A	648	0.40	822	331	37	15	69	28	103	41	415	5.01	0.035	0.0001	0.1	2.88E-04
19	A	1347	0.84	2,814	2355	183	153	400	335	1,280	1071	3914	8.87	0.035	0.0002	0.9	4.87E-03
20	A	1067	0.66	1,935	1283	71	47	128	85	49	32	1447	3.28	0.035	0.0001	0.1	6.53E-04
21	A	664	0.41	9,711	4006	498	205	1,096	452	2,208	911	5574	6.49	0.035	0.0002	1.0	5.04E-03
22	A	704	0.44	12,213	5341	545	238	1,096	479	2,220	971	7030	5.82	0.035	0.0002	1.1	5.69E-03
23	M	448	0.28	5,839	1625	309	86	663	185	1,616	450	2345	7.07	0.32	0.0014	3.3	1.73E-02
24	A	1443	0.90	6,795	6091	218	195	437	392	600	538	7216	4.32	0.035	0.0001	0.8	4.31E-03
25	A	265	0.16	8,239	1356	339	56	788	130	1,899	313	1854	6.47	0.035	0.0002	0.3	1.67E-03
26	M	417	0.26	4,509	1168	251	65	531	138	1,476	382	1753	7.62	0.32	0.0015	2.7	1.40E-02
27	M	347	0.22	3,467	747	214	46	420	91	1,102	238	1122	7.52	0.32	0.0015	1.7	8.84E-03
28	A	1459	0.91	2,183	1979	115	104	246	223	634	575	2880	7.21	0.035	0.0002	0.6	2.90E-03
29	A	564	0.35	13,239	4638	299	105	621	218	2,150	753	5714	5.34	0.035	0.0001	0.8	4.24E-03
30	A	2174	1.35	7,129	9628	224	303	538	727	1,782	2407	13064	6.64	0.035	0.0002	2.3	1.21E-02
31	A	1563	0.97	350	340	38	37	268	260	129	125	762	9.05	0.035	0.0002	0.2	9.69E-04

Reference: USEPA AP-42 Paved Road Dust, January 2009

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** Lakes Environmental AERMOD MPI
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**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 8.0.7
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 11/29/2012
** FILE: C:\MBA\HIGHLAND FAIRVIEW REV3 - ALL SOURCES\AERMOD-2012\AERMOD_LST_PM25_2012NR\AERMOD_LST_PM25_2012NR.ADI
**
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**
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****************************************
** AERMOD CONTROL PATHWAY
****************************************
**
**
CO STARTING
   TITLEONE WLC PROJECT-RELATED OPERATIONS - 2012
   TITLETWO PM2.5 - LST ASSESSMEMT (NO REFRIGERATION)
   MODELOPT CONC  FASTALL
   AVERTIME 24 ANNUAL
   URBANOPT 2000000
   POLLUTID PM_2.5
   RUNORNOT RUN
   ERRORFIL AERMOD_LST_PM25_2012NR.ERR
CO FINISHED
**
****************************************
** AERMOD SOURCE PATHWAY
****************************************
**
**
SO STARTING
** SOURCE LOCATION **
** SOURCE ID - TYPE - X COORD. - Y COORD. **
   LOCATION PHASE1       AREAPOLY   485577.456  3755020.364      527.630
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT01
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 32.92
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0182
** ELEVATED
** VERTICAL DIMENSION = 2.50
** SZINIT = 0.58
** NODES = 2
** 487123.57, 3755422.68, 541.00, 2.50, 27.35
** 487123.57, 3755095.72, 532.00, 2.50, 27.35
** ---------------------------------------------------------------------
   LOCATION L0111342     VOLUME   487123.570 3755406.219 539.96
   LOCATION L0111343     VOLUME   487123.570 3755347.411 542.85
   LOCATION L0111344     VOLUME   487123.570 3755288.602 541.77
   LOCATION L0111345     VOLUME   487123.570 3755229.793 539.11
   LOCATION L0111346     VOLUME   487123.570 3755170.984 535.08
   LOCATION L0111347     VOLUME   487123.570 3755112.176 532.22
** END OF LINE VOLUME SOURCE ID = SEGMENT01
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT02
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 32.92
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0377
** ELEVATED
** VERTICAL DIMENSION = 2.40
** SZINIT = 0.56
** NODES = 2
** 487126.15, 3755058.81, 532.00, 2.40, 30.03
** 487128.77, 3754444.85, 508.00, 2.40, 30.03
** ---------------------------------------------------------------------
   LOCATION L0111348     VOLUME   487126.220 3755042.351 529.66
   LOCATION L0111349     VOLUME   487126.496 3754977.791 531.78
   LOCATION L0111350     VOLUME   487126.772 3754913.230 524.89
   LOCATION L0111351     VOLUME   487127.048 3754848.670 523.19
   LOCATION L0111352     VOLUME   487127.324 3754784.110 524.09
   LOCATION L0111353     VOLUME   487127.600 3754719.550 520.92
   LOCATION L0111354     VOLUME   487127.876 3754654.990 516.31
   LOCATION L0111355     VOLUME   487128.151 3754590.429 514.39
   LOCATION L0111356     VOLUME   487128.427 3754525.869 509.08
   LOCATION L0111357     VOLUME   487128.703 3754461.309 506.75
** END OF LINE VOLUME SOURCE ID = SEGMENT02
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT03
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0258
** ELEVATED
** VERTICAL DIMENSION = 2.40
** SZINIT = 0.56
** NODES = 4
** 487123.53, 3754444.85, 511.00, 2.40, 18.01
** 486186.84, 3754452.72, 516.00, 2.40, 18.01
** 486042.53, 3754366.14, 509.00, 2.40, 18.01
** 486008.42, 3754297.92, 511.00, 2.40, 18.01
** ---------------------------------------------------------------------
   LOCATION L0111358     VOLUME   487113.771 3754444.931 507.75
   LOCATION L0111359     VOLUME   487075.047 3754445.256 511.34
   LOCATION L0111360     VOLUME   487036.323 3754445.582 512.10
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   LOCATION L0111361     VOLUME   486997.599 3754445.907 512.15
   LOCATION L0111362     VOLUME   486958.875 3754446.233 513.24
   LOCATION L0111363     VOLUME   486920.150 3754446.558 514.00
   LOCATION L0111364     VOLUME   486881.426 3754446.884 514.76
   LOCATION L0111365     VOLUME   486842.702 3754447.209 515.93
   LOCATION L0111366     VOLUME   486803.978 3754447.534 515.40
   LOCATION L0111367     VOLUME   486765.253 3754447.860 516.13
   LOCATION L0111368     VOLUME   486726.529 3754448.185 515.70
   LOCATION L0111369     VOLUME   486687.805 3754448.511 514.26
   LOCATION L0111370     VOLUME   486649.081 3754448.836 514.26
   LOCATION L0111371     VOLUME   486610.357 3754449.161 514.89
   LOCATION L0111372     VOLUME   486571.632 3754449.487 515.30
   LOCATION L0111373     VOLUME   486532.908 3754449.812 514.65
   LOCATION L0111374     VOLUME   486494.184 3754450.138 515.02
   LOCATION L0111375     VOLUME   486455.460 3754450.463 514.53
   LOCATION L0111376     VOLUME   486416.735 3754450.788 513.36
   LOCATION L0111377     VOLUME   486378.011 3754451.114 513.37
   LOCATION L0111378     VOLUME   486339.287 3754451.439 514.07
   LOCATION L0111379     VOLUME   486300.563 3754451.765 514.99
   LOCATION L0111380     VOLUME   486261.839 3754452.090 516.27
   LOCATION L0111381     VOLUME   486223.114 3754452.416 516.77
   LOCATION L0111382     VOLUME   486184.739 3754451.459 514.93
   LOCATION L0111383     VOLUME   486151.532 3754431.535 512.54
   LOCATION L0111384     VOLUME   486118.325 3754411.611 510.16
   LOCATION L0111385     VOLUME   486085.119 3754391.687 509.33
   LOCATION L0111386     VOLUME   486051.912 3754371.763 509.00
   LOCATION L0111387     VOLUME   486030.106 3754341.280 509.29
   LOCATION L0111388     VOLUME   486012.788 3754306.643 509.94
** END OF LINE VOLUME SOURCE ID = SEGMENT03
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT04
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.011
** ELEVATED
** VERTICAL DIMENSION = 2.40
** SZINIT = 0.56
** NODES = 3
** 486005.80, 3754303.17, 511.00, 2.40, 17.72
** 485997.93, 3753510.79, 496.00, 2.40, 17.72
** 486071.40, 3753390.09, 494.00, 2.40, 17.72
** ----------------------------------------------------------------------
   LOCATION L0111389     VOLUME   486005.704 3754293.411 510.63
   LOCATION L0111390     VOLUME   486005.326 3754255.321 509.54
   LOCATION L0111391     VOLUME   486004.948 3754217.231 507.64
   LOCATION L0111392     VOLUME   486004.569 3754179.142 507.85
   LOCATION L0111393     VOLUME   486004.191 3754141.052 508.00
   LOCATION L0111394     VOLUME   486003.812 3754102.962 506.84
   LOCATION L0111395     VOLUME   486003.434 3754064.872 506.32
   LOCATION L0111396     VOLUME   486003.056 3754026.782 505.20
   LOCATION L0111397     VOLUME   486002.677 3753988.692 504.96
   LOCATION L0111398     VOLUME   486002.299 3753950.603 504.05
   LOCATION L0111399     VOLUME   486001.921 3753912.513 503.42
   LOCATION L0111400     VOLUME   486001.542 3753874.423 502.15
   LOCATION L0111401     VOLUME   486001.164 3753836.333 500.88
   LOCATION L0111402     VOLUME   486000.785 3753798.243 499.60
   LOCATION L0111403     VOLUME   486000.407 3753760.153 499.65
   LOCATION L0111404     VOLUME   486000.029 3753722.064 501.86
   LOCATION L0111405     VOLUME   485999.650 3753683.974 501.59
   LOCATION L0111406     VOLUME   485999.272 3753645.884 499.01
   LOCATION L0111407     VOLUME   485998.894 3753607.794 496.47
   LOCATION L0111408     VOLUME   485998.515 3753569.704 495.96
   LOCATION L0111409     VOLUME   485998.137 3753531.614 496.53
   LOCATION L0111410     VOLUME   486006.906 3753496.041 495.32
   LOCATION L0111411     VOLUME   486026.712 3753463.503 492.84
   LOCATION L0111412     VOLUME   486046.518 3753430.965 491.43
   LOCATION L0111413     VOLUME   486066.323 3753398.427 492.30
** END OF LINE VOLUME SOURCE ID = SEGMENT04
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT05
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0145
** ELEVATED
** VERTICAL DIMENSION = 2.30
** SZINIT = 0.53
** NODES = 4
** 486071.40, 3753390.09, 494.00, 2.30, 24.05
** 486147.48, 3753361.23, 495.00, 2.30, 24.05
** 486743.08, 3753353.36, 496.00, 2.30, 24.05
** 487118.28, 3753274.65, 490.00, 2.30, 24.05
** ----------------------------------------------------------------------
   LOCATION L0111414     VOLUME   486083.649 3753385.447 493.58
   LOCATION L0111415     VOLUME   486131.996 3753367.108 494.67
   LOCATION L0111416     VOLUME   486182.626 3753360.769 493.89
   LOCATION L0111417     VOLUME   486234.330 3753360.085 492.19
   LOCATION L0111418     VOLUME   486286.035 3753359.402 493.50
   LOCATION L0111419     VOLUME   486337.740 3753358.719 493.96
   LOCATION L0111420     VOLUME   486389.444 3753358.035 493.93
   LOCATION L0111421     VOLUME   486441.149 3753357.352 497.53
   LOCATION L0111422     VOLUME   486492.853 3753356.669 495.62
   LOCATION L0111423     VOLUME   486544.558 3753355.985 494.85
   LOCATION L0111424     VOLUME   486596.263 3753355.302 494.14
   LOCATION L0111425     VOLUME   486647.967 3753354.619 495.00
   LOCATION L0111426     VOLUME   486699.672 3753353.936 494.60
   LOCATION L0111427     VOLUME   486751.201 3753351.658 494.71
   LOCATION L0111428     VOLUME   486801.808 3753341.041 492.74
   LOCATION L0111429     VOLUME   486852.415 3753330.424 491.02
   LOCATION L0111430     VOLUME   486903.023 3753319.807 491.73
   LOCATION L0111431     VOLUME   486953.630 3753309.190 491.37
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   LOCATION L0111432     VOLUME   487004.238 3753298.573 491.98
   LOCATION L0111433     VOLUME   487054.845 3753287.956 490.84
   LOCATION L0111434     VOLUME   487105.453 3753277.340 489.15
** END OF LINE VOLUME SOURCE ID = SEGMENT05
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT06
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 32.92
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0296
** ELEVATED
** VERTICAL DIMENSION = 2.40
** SZINIT = 0.56
** NODES = 2
** 487123.53, 3754450.10, 512.00, 2.40, 29.19
** 487105.16, 3753287.77, 490.00, 2.40, 29.19
** ----------------------------------------------------------------------
   LOCATION L0111435     VOLUME   487123.266 3754433.639 507.42
   LOCATION L0111436     VOLUME   487122.275 3754370.893 509.59
   LOCATION L0111437     VOLUME   487121.283 3754308.148 508.25
   LOCATION L0111438     VOLUME   487120.292 3754245.403 509.81
   LOCATION L0111439     VOLUME   487119.300 3754182.658 507.25
   LOCATION L0111440     VOLUME   487118.309 3754119.913 505.05
   LOCATION L0111441     VOLUME   487117.317 3754057.168 504.76
   LOCATION L0111442     VOLUME   487116.326 3753994.422 501.94
   LOCATION L0111443     VOLUME   487115.334 3753931.677 501.00
   LOCATION L0111444     VOLUME   487114.343 3753868.932 500.96
   LOCATION L0111445     VOLUME   487113.351 3753806.187 496.87
   LOCATION L0111446     VOLUME   487112.360 3753743.442 499.16
   LOCATION L0111447     VOLUME   487111.369 3753680.697 498.68
   LOCATION L0111448     VOLUME   487110.377 3753617.951 497.59
   LOCATION L0111449     VOLUME   487109.386 3753555.206 495.99
   LOCATION L0111450     VOLUME   487108.394 3753492.461 495.96
   LOCATION L0111451     VOLUME   487107.403 3753429.716 494.65
   LOCATION L0111452     VOLUME   487106.411 3753366.971 489.26
   LOCATION L0111453     VOLUME   487105.420 3753304.226 489.13
** END OF LINE VOLUME SOURCE ID = SEGMENT06
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT07
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 32.92
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0126
** ELEVATED
** VERTICAL DIMENSION = 1.30
** SZINIT = 0.30
** NODES = 2
** 487102.54, 3753300.89, 489.00, 1.30, 29.21
** 487105.16, 3752765.64, 483.00, 1.30, 29.21
** ----------------------------------------------------------------------
   LOCATION L0111454     VOLUME   487102.617 3753284.427 489.25
   LOCATION L0111455     VOLUME   487102.924 3753221.636 489.56
   LOCATION L0111456     VOLUME   487103.232 3753158.844 486.75
   LOCATION L0111457     VOLUME   487103.540 3753096.053 485.78
   LOCATION L0111458     VOLUME   487103.848 3753033.262 484.98
   LOCATION L0111459     VOLUME   487104.156 3752970.471 486.98
   LOCATION L0111460     VOLUME   487104.463 3752907.680 484.85
   LOCATION L0111461     VOLUME   487104.771 3752844.889 483.17
   LOCATION L0111462     VOLUME   487105.079 3752782.098 483.74
** END OF LINE VOLUME SOURCE ID = SEGMENT07
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT08
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.00789
** ELEVATED
** VERTICAL DIMENSION = 1.60
** SZINIT = 0.37
** NODES = 3
** 486074.02, 3753392.72, 494.00, 1.60, 18.01
** 485979.56, 3753190.69, 490.00, 1.60, 18.01
** 485959.38, 3752271.31, 509.00, 1.60, 18.01
** ----------------------------------------------------------------------
   LOCATION L0111463     VOLUME   486069.888 3753383.881 492.66
   LOCATION L0111464     VOLUME   486053.485 3753348.798 491.27
   LOCATION L0111465     VOLUME   486037.083 3753313.715 490.52
   LOCATION L0111466     VOLUME   486020.680 3753278.632 490.29
   LOCATION L0111467     VOLUME   486004.278 3753243.549 490.00
   LOCATION L0111468     VOLUME   485987.875 3753208.466 489.60
   LOCATION L0111469     VOLUME   485979.144 3753171.590 489.02
   LOCATION L0111470     VOLUME   485978.294 3753132.871 488.12
   LOCATION L0111471     VOLUME   485977.445 3753094.153 488.21
   LOCATION L0111472     VOLUME   485976.595 3753055.434 489.37
   LOCATION L0111473     VOLUME   485975.745 3753016.715 490.11
   LOCATION L0111474     VOLUME   485974.895 3752977.997 490.00
   LOCATION L0111475     VOLUME   485974.045 3752939.278 489.00
   LOCATION L0111476     VOLUME   485973.195 3752900.559 489.00
   LOCATION L0111477     VOLUME   485972.345 3752861.841 489.00
   LOCATION L0111478     VOLUME   485971.495 3752823.122 489.00
   LOCATION L0111479     VOLUME   485970.646 3752784.403 488.77
   LOCATION L0111480     VOLUME   485969.796 3752745.684 487.04
   LOCATION L0111481     VOLUME   485968.946 3752706.966 485.22
   LOCATION L0111482     VOLUME   485968.096 3752668.247 486.17
   LOCATION L0111483     VOLUME   485967.246 3752629.528 488.82
   LOCATION L0111484     VOLUME   485966.396 3752590.810 490.12
   LOCATION L0111485     VOLUME   485965.546 3752552.091 495.23
   LOCATION L0111486     VOLUME   485964.696 3752513.372 496.37
   LOCATION L0111487     VOLUME   485963.846 3752474.654 496.10
   LOCATION L0111488     VOLUME   485962.997 3752435.935 496.42
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   LOCATION L0111489     VOLUME   485962.147 3752397.216 498.83
   LOCATION L0111490     VOLUME   485961.297 3752358.498 500.09
   LOCATION L0111491     VOLUME   485960.447 3752319.779 500.68
   LOCATION L0111492     VOLUME   485959.597 3752281.060 501.95
** END OF LINE VOLUME SOURCE ID = SEGMENT08
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT11
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = -0.00117
** ELEVATED
** VERTICAL DIMENSION = 1.00
** SZINIT = 0.23
** NODES = 2
** 485510.85, 3754275.79, 515.00, 1.00, 15.74
** 485509.55, 3753074.46, 494.00, 1.00, 15.74
** ---------------------------------------------------------------------
   LOCATION L0111493     VOLUME   485510.839 3754267.258 514.24
   LOCATION L0111494     VOLUME   485510.802 3754233.422 512.23
   LOCATION L0111495     VOLUME   485510.765 3754199.586 512.08
   LOCATION L0111496     VOLUME   485510.729 3754165.750 512.69
   LOCATION L0111497     VOLUME   485510.692 3754131.914 512.23
   LOCATION L0111498     VOLUME   485510.655 3754098.078 510.48
   LOCATION L0111499     VOLUME   485510.619 3754064.242 508.44
   LOCATION L0111500     VOLUME   485510.582 3754030.406 506.46
   LOCATION L0111501     VOLUME   485510.545 3753996.570 505.47
   LOCATION L0111502     VOLUME   485510.509 3753962.734 505.32
   LOCATION L0111503     VOLUME   485510.472 3753928.898 504.26
   LOCATION L0111504     VOLUME   485510.436 3753895.062 502.47
   LOCATION L0111505     VOLUME   485510.399 3753861.226 501.84
   LOCATION L0111506     VOLUME   485510.362 3753827.390 501.90
   LOCATION L0111507     VOLUME   485510.326 3753793.554 502.24
   LOCATION L0111508     VOLUME   485510.289 3753759.718 504.35
   LOCATION L0111509     VOLUME   485510.252 3753725.882 505.00
   LOCATION L0111510     VOLUME   485510.216 3753692.046 505.00
   LOCATION L0111511     VOLUME   485510.179 3753658.210 502.55
   LOCATION L0111512     VOLUME   485510.142 3753624.374 500.42
   LOCATION L0111513     VOLUME   485510.106 3753590.538 499.43
   LOCATION L0111514     VOLUME   485510.069 3753556.702 499.96
   LOCATION L0111515     VOLUME   485510.032 3753522.866 499.76
   LOCATION L0111516     VOLUME   485509.996 3753489.030 498.40
   LOCATION L0111517     VOLUME   485509.959 3753455.194 498.00
   LOCATION L0111518     VOLUME   485509.922 3753421.357 498.00
   LOCATION L0111519     VOLUME   485509.886 3753387.521 497.31
   LOCATION L0111520     VOLUME   485509.849 3753353.685 496.79
   LOCATION L0111521     VOLUME   485509.812 3753319.849 495.55
   LOCATION L0111522     VOLUME   485509.776 3753286.013 494.19
   LOCATION L0111523     VOLUME   485509.739 3753252.177 493.86
   LOCATION L0111524     VOLUME   485509.702 3753218.341 494.72
   LOCATION L0111525     VOLUME   485509.666 3753184.505 494.15
   LOCATION L0111526     VOLUME   485509.629 3753150.669 491.74
   LOCATION L0111527     VOLUME   485509.592 3753116.833 490.76
   LOCATION L0111528     VOLUME   485509.556 3753082.997 491.58
** END OF LINE VOLUME SOURCE ID = SEGMENT11
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT12
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.00283
** ELEVATED
** VERTICAL DIMENSION = 1.20
** SZINIT = 0.28
** NODES = 2
** 485533.45, 3755091.71, 532.00, 1.20, 15.63
** 485515.75, 3754268.39, 515.00, 1.20, 15.63
** ---------------------------------------------------------------------
   LOCATION L0111529     VOLUME   485533.265 3755083.180 531.19
   LOCATION L0111530     VOLUME   485532.543 3755049.586 528.80
   LOCATION L0111531     VOLUME   485531.821 3755015.992 528.21
   LOCATION L0111532     VOLUME   485531.099 3754982.399 528.02
   LOCATION L0111533     VOLUME   485530.377 3754948.805 526.65
   LOCATION L0111534     VOLUME   485529.654 3754915.211 525.38
   LOCATION L0111535     VOLUME   485528.932 3754881.617 522.89
   LOCATION L0111536     VOLUME   485528.210 3754848.023 520.45
   LOCATION L0111537     VOLUME   485527.488 3754814.429 523.22
   LOCATION L0111538     VOLUME   485526.766 3754780.835 526.04
   LOCATION L0111539     VOLUME   485526.044 3754747.241 526.70
   LOCATION L0111540     VOLUME   485525.321 3754713.647 524.19
   LOCATION L0111541     VOLUME   485524.599 3754680.053 521.85
   LOCATION L0111542     VOLUME   485523.877 3754646.460 521.76
   LOCATION L0111543     VOLUME   485523.155 3754612.866 522.11
   LOCATION L0111544     VOLUME   485522.433 3754579.272 522.18
   LOCATION L0111545     VOLUME   485521.711 3754545.678 519.09
   LOCATION L0111546     VOLUME   485520.988 3754512.084 515.25
   LOCATION L0111547     VOLUME   485520.266 3754478.490 514.73
   LOCATION L0111548     VOLUME   485519.544 3754444.896 516.68
   LOCATION L0111549     VOLUME   485518.822 3754411.302 517.04
   LOCATION L0111550     VOLUME   485518.100 3754377.708 515.99
   LOCATION L0111551     VOLUME   485517.378 3754344.114 515.07
   LOCATION L0111552     VOLUME   485516.655 3754310.520 515.00
   LOCATION L0111553     VOLUME   485515.933 3754276.927 514.56
** END OF LINE VOLUME SOURCE ID = SEGMENT12
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT14
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.00559
```

```
** ELEVATED
** VERTICAL DIMENSION = 2.20
** SZINIT = 0.51
** NODES = 2
** 485503.72, 3755054.30, 532.00, 2.20, 23.83
** 486400.84, 3755050.67, 532.00, 2.20, 23.83
** ----------------------------------------------------------------------
   LOCATION L0111554     VOLUME   485516.820 3755054.250 529.90
   LOCATION L0111555     VOLUME   485568.051 3755054.043 528.58
   LOCATION L0111556     VOLUME   485619.281 3755053.835 530.77
   LOCATION L0111557     VOLUME   485670.512 3755053.628 532.50
   LOCATION L0111558     VOLUME   485721.742 3755053.421 534.25
   LOCATION L0111559     VOLUME   485772.972 3755053.213 531.14
   LOCATION L0111560     VOLUME   485824.203 3755053.006 529.49
   LOCATION L0111561     VOLUME   485875.433 3755052.798 529.85
   LOCATION L0111562     VOLUME   485926.663 3755052.591 530.93
   LOCATION L0111563     VOLUME   485977.894 3755052.384 529.69
   LOCATION L0111564     VOLUME   486029.124 3755052.176 529.39
   LOCATION L0111565     VOLUME   486080.355 3755051.969 529.54
   LOCATION L0111566     VOLUME   486131.585 3755051.761 529.54
   LOCATION L0111567     VOLUME   486182.815 3755051.554 530.26
   LOCATION L0111568     VOLUME   486234.046 3755051.346 527.40
   LOCATION L0111569     VOLUME   486285.276 3755051.139 527.00
   LOCATION L0111570     VOLUME   486336.506 3755050.932 526.50
   LOCATION L0111571     VOLUME   486387.737 3755050.724 527.33
** END OF LINE VOLUME SOURCE ID = SEGMENT14
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT15
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.00359
** ELEVATED
** VERTICAL DIMENSION = 2.50
** SZINIT = 0.58
** NODES = 2
** 486385.45, 3755051.87, 530.00, 2.50, 23.51
** 487119.32, 3755045.18, 533.00, 2.50, 23.51
** ----------------------------------------------------------------------
   LOCATION L0111572     VOLUME   486398.558 3755051.755 528.14
   LOCATION L0111573     VOLUME   486449.105 3755051.294 531.34
   LOCATION L0111574     VOLUME   486499.652 3755050.833 529.71
   LOCATION L0111575     VOLUME   486550.198 3755050.372 528.00
   LOCATION L0111576     VOLUME   486600.745 3755049.911 527.01
   LOCATION L0111577     VOLUME   486651.292 3755049.450 527.31
   LOCATION L0111578     VOLUME   486701.838 3755048.989 529.15
   LOCATION L0111579     VOLUME   486752.385 3755048.528 530.26
   LOCATION L0111580     VOLUME   486802.931 3755048.067 529.24
   LOCATION L0111581     VOLUME   486853.478 3755047.607 526.51
   LOCATION L0111582     VOLUME   486904.025 3755047.146 529.44
   LOCATION L0111583     VOLUME   486954.571 3755046.685 527.58
   LOCATION L0111584     VOLUME   487005.118 3755046.224 526.31
   LOCATION L0111585     VOLUME   487055.665 3755045.763 527.00
   LOCATION L0111586     VOLUME   487106.211 3755045.302 527.92
** END OF LINE VOLUME SOURCE ID = SEGMENT15
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT18
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.00227
** ELEVATED
** VERTICAL DIMENSION = 2.30
** SZINIT = 0.53
** NODES = 5
** 487138.06, 3755042.91, 533.00, 2.30, 23.38
** 487300.89, 3755033.99, 529.00, 2.30, 23.38
** 487535.10, 3754996.07, 529.00, 2.30, 23.38
** 487711.32, 3755000.53, 525.00, 2.30, 23.38
** 487907.61, 3754947.00, 526.00, 2.30, 23.38
** ----------------------------------------------------------------------
   LOCATION L0111587     VOLUME   487151.146 3755042.194 530.63
   LOCATION L0111588     VOLUME   487201.328 3755039.444 528.00
   LOCATION L0111589     VOLUME   487251.510 3755036.694 528.53
   LOCATION L0111590     VOLUME   487301.683 3755033.861 528.59
   LOCATION L0111591     VOLUME   487351.295 3755025.828 526.03
   LOCATION L0111592     VOLUME   487400.906 3755017.796 524.56
   LOCATION L0111593     VOLUME   487450.518 3755009.764 524.36
   LOCATION L0111594     VOLUME   487500.129 3755001.731 526.00
   LOCATION L0111595     VOLUME   487549.926 3754996.444 528.33
   LOCATION L0111596     VOLUME   487600.167 3754997.716 529.25
   LOCATION L0111597     VOLUME   487650.409 3754998.988 526.24
   LOCATION L0111598     VOLUME   487700.650 3755000.260 522.97
   LOCATION L0111599     VOLUME   487749.509 3754990.115 522.29
   LOCATION L0111600     VOLUME   487797.996 3754976.891 523.27
   LOCATION L0111601     VOLUME   487846.482 3754963.667 524.09
   LOCATION L0111602     VOLUME   487894.969 3754950.444 525.82
** END OF LINE VOLUME SOURCE ID = SEGMENT18
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT18A
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.000604
** ELEVATED
** VERTICAL DIMENSION = 2.20
** SZINIT = 0.51
** NODES = 5
** 487908.51, 3754945.43, 526.00, 2.20, 24.10
** 488040.12, 3754869.59, 520.00, 2.20, 24.10
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** 488173.95, 3754769.21, 522.00, 2.20, 24.10
** 488301.10, 3754733.52, 523.00, 2.20, 24.10
** 488497.39, 3754720.14, 526.00, 2.20, 24.10
** ------------------------------------------------------------------
   LOCATION L0111603     VOLUME   487919.867 3754938.887 524.63
   LOCATION L0111604     VOLUME   487964.761 3754913.016 521.91
   LOCATION L0111605     VOLUME   488009.655 3754887.144 519.81
   LOCATION L0111606     VOLUME   488053.443 3754859.596 519.44
   LOCATION L0111607     VOLUME   488094.895 3754828.507 519.17
   LOCATION L0111608     VOLUME   488136.347 3754797.418 520.48
   LOCATION L0111609     VOLUME   488178.582 3754767.914 521.23
   LOCATION L0111610     VOLUME   488228.469 3754753.911 522.90
   LOCATION L0111611     VOLUME   488278.356 3754739.908 523.05
   LOCATION L0111612     VOLUME   488329.227 3754731.607 521.54
   LOCATION L0111613     VOLUME   488380.922 3754728.082 523.90
   LOCATION L0111614     VOLUME   488432.617 3754724.557 527.97
   LOCATION L0111615     VOLUME   488484.312 3754721.033 524.82
** END OF LINE VOLUME SOURCE ID = SEGMENT18A
** ------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT19
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0104
** ELEVATED
** VERTICAL DIMENSION = 2.40
** SZINIT = 0.56
** NODES = 6
** 487121.55, 3754448.99, 511.00, 2.40, 17.64
** 487583.28, 3754424.46, 510.00, 2.40, 17.64
** 487714.88, 3754428.92, 512.00, 2.40, 17.64
** 487795.18, 3754451.22, 513.00, 2.40, 17.64
** 488303.76, 3754442.30, 511.00, 2.40, 17.64
** 488433.13, 3754346.39, 506.00, 2.40, 17.64
** ------------------------------------------------------------------
   LOCATION L0111616     VOLUME   487131.288 3754448.475 506.58
   LOCATION L0111617     VOLUME   487169.165 3754446.462 506.00
   LOCATION L0111618     VOLUME   487207.043 3754444.450 508.12
   LOCATION L0111619     VOLUME   487244.921 3754442.437 509.08
   LOCATION L0111620     VOLUME   487282.799 3754440.424 509.78
   LOCATION L0111621     VOLUME   487320.677 3754438.411 509.05
   LOCATION L0111622     VOLUME   487358.555 3754436.398 509.37
   LOCATION L0111623     VOLUME   487396.433 3754434.385 510.45
   LOCATION L0111624     VOLUME   487434.310 3754432.373 509.94
   LOCATION L0111625     VOLUME   487472.188 3754430.360 509.38
   LOCATION L0111626     VOLUME   487510.066 3754428.347 509.95
   LOCATION L0111627     VOLUME   487547.944 3754426.334 510.22
   LOCATION L0111628     VOLUME   487585.824 3754424.543 509.56
   LOCATION L0111629     VOLUME   487623.733 3754425.828 510.12
   LOCATION L0111630     VOLUME   487661.643 3754427.113 510.71
   LOCATION L0111631     VOLUME   487699.553 3754428.398 510.44
   LOCATION L0111632     VOLUME   487736.651 3754434.965 510.81
   LOCATION L0111633     VOLUME   487773.198 3754445.117 510.41
   LOCATION L0111634     VOLUME   487810.295 3754450.958 509.88
   LOCATION L0111635     VOLUME   487848.220 3754450.293 509.77
   LOCATION L0111636     VOLUME   487886.146 3754449.628 508.53
   LOCATION L0111637     VOLUME   487924.071 3754448.962 507.74
   LOCATION L0111638     VOLUME   487961.997 3754448.297 508.40
   LOCATION L0111639     VOLUME   487999.922 3754447.632 509.00
   LOCATION L0111640     VOLUME   488037.848 3754446.966 508.07
   LOCATION L0111641     VOLUME   488075.773 3754446.301 507.15
   LOCATION L0111642     VOLUME   488113.698 3754445.635 508.18
   LOCATION L0111643     VOLUME   488151.624 3754444.970 508.31
   LOCATION L0111644     VOLUME   488189.549 3754444.305 509.27
   LOCATION L0111645     VOLUME   488227.475 3754443.639 510.36
   LOCATION L0111646     VOLUME   488265.400 3754442.974 510.66
   LOCATION L0111647     VOLUME   488303.326 3754442.309 510.94
   LOCATION L0111648     VOLUME   488333.881 3754419.967 509.27
   LOCATION L0111649     VOLUME   488364.352 3754397.376 506.49
   LOCATION L0111650     VOLUME   488394.822 3754374.786 504.46
   LOCATION L0111651     VOLUME   488425.293 3754352.196 504.99
** END OF LINE VOLUME SOURCE ID = SEGMENT19
** ------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT20
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.00133
** ELEVATED
** VERTICAL DIMENSION = 1.80
** SZINIT = 0.42
** NODES = 3
** 488428.67, 3754348.62, 506.00, 1.80, 18.04
** 488457.67, 3754308.47, 506.00, 1.80, 18.04
** 488457.67, 3753291.32, 483.00, 1.80, 18.04
** ------------------------------------------------------------------
   LOCATION L0111652     VOLUME   488434.379 3754340.708 505.31
   LOCATION L0111653     VOLUME   488457.087 3754309.267 506.00
   LOCATION L0111654     VOLUME   488457.666 3754270.671 506.00
   LOCATION L0111655     VOLUME   488457.666 3754231.887 505.06
   LOCATION L0111656     VOLUME   488457.666 3754193.103 501.00
   LOCATION L0111657     VOLUME   488457.666 3754154.319 501.52
   LOCATION L0111658     VOLUME   488457.666 3754115.535 503.63
   LOCATION L0111659     VOLUME   488457.666 3754076.751 502.89
   LOCATION L0111660     VOLUME   488457.666 3754037.968 502.00
   LOCATION L0111661     VOLUME   488457.666 3753999.184 502.00
   LOCATION L0111662     VOLUME   488457.666 3753960.400 502.00
   LOCATION L0111663     VOLUME   488457.666 3753921.616 500.44
   LOCATION L0111664     VOLUME   488457.666 3753882.832 498.43
   LOCATION L0111665     VOLUME   488457.666 3753844.049 497.13
   LOCATION L0111666     VOLUME   488457.666 3753805.265 496.84
   LOCATION L0111667     VOLUME   488457.666 3753766.481 496.00
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   LOCATION L0111668     VOLUME   488457.666 3753727.697 495.26
   LOCATION L0111669     VOLUME   488457.666 3753688.913 493.93
   LOCATION L0111670     VOLUME   488457.666 3753650.130 491.01
   LOCATION L0111671     VOLUME   488457.666 3753611.346 488.38
   LOCATION L0111672     VOLUME   488457.666 3753572.562 488.00
   LOCATION L0111673     VOLUME   488457.666 3753533.778 488.00
   LOCATION L0111674     VOLUME   488457.666 3753494.994 488.00
   LOCATION L0111675     VOLUME   488457.666 3753456.211 487.21
   LOCATION L0111676     VOLUME   488457.666 3753417.427 485.91
   LOCATION L0111677     VOLUME   488457.666 3753378.643 485.38
   LOCATION L0111678     VOLUME   488457.666 3753339.859 483.99
   LOCATION L0111679     VOLUME   488457.666 3753301.075 482.04
** END OF LINE VOLUME SOURCE ID = SEGMENT20
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT21
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0107
** ELEVATED
** VERTICAL DIMENSION = 2.30
** SZINIT = 0.53
** NODES = 2
** 487098.48, 3753294.03, 491.00, 2.30, 22.81
** 487762.08, 3753289.01, 485.00, 2.30, 22.81
** ----------------------------------------------------------------------
   LOCATION L0111680     VOLUME   487111.587 3753293.935 488.95
   LOCATION L0111681     VOLUME   487160.618 3753293.563 488.00
   LOCATION L0111682     VOLUME   487209.648 3753293.192 486.28
   LOCATION L0111683     VOLUME   487258.678 3753292.820 484.53
   LOCATION L0111684     VOLUME   487307.708 3753292.449 486.78
   LOCATION L0111685     VOLUME   487356.738 3753292.077 488.33
   LOCATION L0111686     VOLUME   487405.769 3753291.706 488.58
   LOCATION L0111687     VOLUME   487454.799 3753291.335 487.15
   LOCATION L0111688     VOLUME   487503.829 3753290.963 486.39
   LOCATION L0111689     VOLUME   487552.859 3753290.592 487.28
   LOCATION L0111690     VOLUME   487601.890 3753290.220 486.63
   LOCATION L0111691     VOLUME   487650.920 3753289.849 486.21
   LOCATION L0111692     VOLUME   487699.950 3753289.477 482.33
   LOCATION L0111693     VOLUME   487748.980 3753289.106 483.13
** END OF LINE VOLUME SOURCE ID = SEGMENT21
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT22
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.012
** ELEVATED
** VERTICAL DIMENSION = 2.30
** SZINIT = 0.53
** NODES = 2
** 487752.03, 3753289.01, 485.00, 2.30, 24.24
** 488455.85, 3753289.01, 483.00, 2.30, 24.24
** ----------------------------------------------------------------------
   LOCATION L0111694     VOLUME   487765.135 3753289.007 484.00
   LOCATION L0111695     VOLUME   487817.259 3753289.007 485.27
   LOCATION L0111696     VOLUME   487869.383 3753289.007 483.15
   LOCATION L0111697     VOLUME   487921.507 3753289.007 482.97
   LOCATION L0111698     VOLUME   487973.631 3753289.007 484.84
   LOCATION L0111699     VOLUME   488025.755 3753289.007 485.63
   LOCATION L0111700     VOLUME   488077.879 3753289.007 485.37
   LOCATION L0111701     VOLUME   488130.002 3753289.007 485.63
   LOCATION L0111702     VOLUME   488182.126 3753289.007 485.63
   LOCATION L0111703     VOLUME   488234.250 3753289.007 486.33
   LOCATION L0111704     VOLUME   488286.374 3753289.007 484.87
   LOCATION L0111705     VOLUME   488338.498 3753289.007 484.37
   LOCATION L0111706     VOLUME   488390.622 3753289.007 484.55
   LOCATION L0111707     VOLUME   488442.746 3753289.007 483.27
** END OF LINE VOLUME SOURCE ID = SEGMENT22
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT23
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 19.51
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0199
** ELEVATED
** VERTICAL DIMENSION = 1.30
** SZINIT = 0.30
** NODES = 2
** 488445.80, 3753299.06, 484.00, 1.30, 18.10
** 488450.82, 3752851.63, 480.00, 1.30, 18.10
** ----------------------------------------------------------------------
   LOCATION L0111708     VOLUME   488445.906 3753289.307 481.64
   LOCATION L0111709     VOLUME   488446.343 3753250.405 481.00
   LOCATION L0111710     VOLUME   488446.780 3753211.503 480.05
   LOCATION L0111711     VOLUME   488447.217 3753172.601 479.00
   LOCATION L0111712     VOLUME   488447.654 3753133.700 478.46
   LOCATION L0111713     VOLUME   488448.091 3753094.798 478.00
   LOCATION L0111714     VOLUME   488448.528 3753055.896 477.00
   LOCATION L0111715     VOLUME   488448.966 3753016.994 477.00
   LOCATION L0111716     VOLUME   488449.403 3752978.092 477.73
   LOCATION L0111717     VOLUME   488449.840 3752939.190 478.97
   LOCATION L0111718     VOLUME   488450.277 3752900.289 478.00
   LOCATION L0111719     VOLUME   488450.714 3752861.387 478.00
** END OF LINE VOLUME SOURCE ID = SEGMENT23
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT24
** DESCRSRC
** PREFIX
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** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.00891
** ELEVATED
** VERTICAL DIMENSION = 2.10
** SZINIT = 0.49
** NODES = 2
** 488450.82, 3753299.06, 483.00, 2.10, 23.53
** 489893.66, 3753294.03, 493.00, 2.10, 23.53
** ---------------------------------------------------------------------
   LOCATION L0111720     VOLUME   488463.928 3753299.016 481.83
   LOCATION L0111721     VOLUME   488514.522 3753298.839 480.92
   LOCATION L0111722     VOLUME   488565.116 3753298.663 482.30
   LOCATION L0111723     VOLUME   488615.709 3753298.487 484.06
   LOCATION L0111724     VOLUME   488666.303 3753298.310 483.24
   LOCATION L0111725     VOLUME   488716.897 3753298.134 482.04
   LOCATION L0111726     VOLUME   488767.490 3753297.958 482.14
   LOCATION L0111727     VOLUME   488818.084 3753297.782 481.14
   LOCATION L0111728     VOLUME   488868.678 3753297.605 482.05
   LOCATION L0111729     VOLUME   488919.271 3753297.429 483.39
   LOCATION L0111730     VOLUME   488969.865 3753297.253 485.90
   LOCATION L0111731     VOLUME   489020.459 3753297.076 484.22
   LOCATION L0111732     VOLUME   489071.052 3753296.900 484.83
   LOCATION L0111733     VOLUME   489121.646 3753296.724 484.90
   LOCATION L0111734     VOLUME   489172.240 3753296.548 486.48
   LOCATION L0111735     VOLUME   489222.833 3753296.371 491.61
   LOCATION L0111736     VOLUME   489273.427 3753296.195 494.43
   LOCATION L0111737     VOLUME   489324.020 3753296.019 490.50
   LOCATION L0111738     VOLUME   489374.614 3753295.842 489.14
   LOCATION L0111739     VOLUME   489425.208 3753295.666 490.32
   LOCATION L0111740     VOLUME   489475.801 3753295.490 490.16
   LOCATION L0111741     VOLUME   489526.395 3753295.314 490.47
   LOCATION L0111742     VOLUME   489576.989 3753295.137 493.03
   LOCATION L0111743     VOLUME   489627.582 3753294.961 493.36
   LOCATION L0111744     VOLUME   489678.176 3753294.785 495.58
   LOCATION L0111745     VOLUME   489728.770 3753294.608 496.83
   LOCATION L0111746     VOLUME   489779.363 3753294.432 493.43
   LOCATION L0111747     VOLUME   489829.957 3753294.256 489.16
   LOCATION L0111748     VOLUME   489880.551 3753294.080 491.63
** END OF LINE VOLUME SOURCE ID = SEGMENT24
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT25
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 26.21
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.00354
** ELEVATED
** VERTICAL DIMENSION = 2.30
** SZINIT = 0.53
** NODES = 3
** 489888.63, 3753289.01, 493.00, 2.30, 22.24
** 489959.01, 3753319.17, 494.00, 2.30, 22.24
** 490099.77, 3753444.85, 504.00, 2.30, 22.24
** ---------------------------------------------------------------------
   LOCATION L0111749     VOLUME   489900.674 3753294.169 492.82
   LOCATION L0111750     VOLUME   489944.622 3753313.004 493.72
   LOCATION L0111751     VOLUME   489983.000 3753340.589 494.27
   LOCATION L0111752     VOLUME   490018.666 3753372.434 497.34
   LOCATION L0111753     VOLUME   490054.332 3753404.279 500.62
   LOCATION L0111754     VOLUME   490089.999 3753436.124 502.51
** END OF LINE VOLUME SOURCE ID = SEGMENT25
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT26
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0161
** ELEVATED
** VERTICAL DIMENSION = 1.30
** SZINIT = 0.30
** NODES = 2
** 489898.68, 3753289.01, 493.00, 1.30, 15.51
** 489903.71, 3752871.74, 482.00, 1.30, 15.51
** ---------------------------------------------------------------------
   LOCATION L0111755     VOLUME   489898.786 3753280.472 492.29
   LOCATION L0111756     VOLUME   489899.187 3753247.123 490.45
   LOCATION L0111757     VOLUME   489899.589 3753213.773 488.25
   LOCATION L0111758     VOLUME   489899.991 3753180.423 487.01
   LOCATION L0111759     VOLUME   489900.393 3753147.074 488.28
   LOCATION L0111760     VOLUME   489900.795 3753113.724 490.99
   LOCATION L0111761     VOLUME   489901.196 3753080.374 490.63
   LOCATION L0111762     VOLUME   489901.598 3753047.024 489.03
   LOCATION L0111763     VOLUME   489902.000 3753013.675 487.32
   LOCATION L0111764     VOLUME   489902.402 3752980.325 486.24
   LOCATION L0111765     VOLUME   489902.804 3752946.975 484.59
   LOCATION L0111766     VOLUME   489903.205 3752913.626 482.46
   LOCATION L0111767     VOLUME   489903.607 3752880.276 480.38
** END OF LINE VOLUME SOURCE ID = SEGMENT26
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT27
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0102
** ELEVATED
** VERTICAL DIMENSION = 1.30
** SZINIT = 0.30
** NODES = 2
** 489908.74, 3752866.71, 482.00, 1.30, 15.35
** 490255.62, 3752876.77, 483.00, 1.30, 15.35
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   LOCATION L0111768     VOLUME   489917.269 3752866.962 481.66
   LOCATION L0111769     VOLUME   489950.251 3752867.918 483.00
   LOCATION L0111770     VOLUME   489983.233 3752868.874 484.03
   LOCATION L0111771     VOLUME   490016.215 3752869.830 484.90
   LOCATION L0111772     VOLUME   490049.197 3752870.786 486.05
   LOCATION L0111773     VOLUME   490082.179 3752871.742 485.72
   LOCATION L0111774     VOLUME   490115.161 3752872.698 485.89
   LOCATION L0111775     VOLUME   490148.143 3752873.654 486.58
   LOCATION L0111776     VOLUME   490181.125 3752874.610 486.03
   LOCATION L0111777     VOLUME   490214.107 3752875.566 484.13
   LOCATION L0111778     VOLUME   490247.089 3752876.522 482.55
** END OF LINE VOLUME SOURCE ID = SEGMENT27
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT28
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 17.07
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.00618
** ELEVATED
** VERTICAL DIMENSION = 1.60
** SZINIT = 0.37
** NODES = 3
** 488445.80, 3752856.66, 479.00, 1.60, 15.60
** 489023.93, 3752886.82, 482.00, 1.60, 15.60
** 489903.71, 3752871.74, 482.00, 1.60, 15.60
** ---------------------------------------------------------------------
   LOCATION L0111779     VOLUME   488454.320 3752857.104 478.00
   LOCATION L0111780     VOLUME   488487.803 3752858.851 478.65
   LOCATION L0111781     VOLUME   488521.287 3752860.598 477.56
   LOCATION L0111782     VOLUME   488554.771 3752862.345 475.49
   LOCATION L0111783     VOLUME   488588.255 3752864.092 475.28
   LOCATION L0111784     VOLUME   488621.738 3752865.839 476.58
   LOCATION L0111785     VOLUME   488655.222 3752867.586 478.01
   LOCATION L0111786     VOLUME   488688.706 3752869.333 478.46
   LOCATION L0111787     VOLUME   488722.190 3752871.080 477.56
   LOCATION L0111788     VOLUME   488755.673 3752872.827 477.44
   LOCATION L0111789     VOLUME   488789.157 3752874.574 478.33
   LOCATION L0111790     VOLUME   488822.641 3752876.321 478.23
   LOCATION L0111791     VOLUME   488856.125 3752878.068 478.05
   LOCATION L0111792     VOLUME   488889.608 3752879.815 478.00
   LOCATION L0111793     VOLUME   488923.092 3752881.562 477.67
   LOCATION L0111794     VOLUME   488956.576 3752883.309 478.20
   LOCATION L0111795     VOLUME   488990.060 3752885.056 479.67
   LOCATION L0111796     VOLUME   489023.543 3752886.803 481.39
   LOCATION L0111797     VOLUME   489057.067 3752886.256 482.69
   LOCATION L0111798     VOLUME   489090.592 3752885.681 481.79
   LOCATION L0111799     VOLUME   489124.116 3752885.106 480.72
   LOCATION L0111800     VOLUME   489157.640 3752884.531 479.78
   LOCATION L0111801     VOLUME   489191.165 3752883.957 478.81
   LOCATION L0111802     VOLUME   489224.689 3752883.382 478.66
   LOCATION L0111803     VOLUME   489258.213 3752882.807 479.70
   LOCATION L0111804     VOLUME   489291.738 3752882.233 480.07
   LOCATION L0111805     VOLUME   489325.262 3752881.658 480.06
   LOCATION L0111806     VOLUME   489358.787 3752881.083 480.07
   LOCATION L0111807     VOLUME   489392.311 3752880.508 480.03
   LOCATION L0111808     VOLUME   489425.835 3752879.934 480.19
   LOCATION L0111809     VOLUME   489459.360 3752879.359 481.26
   LOCATION L0111810     VOLUME   489492.884 3752878.784 481.90
   LOCATION L0111811     VOLUME   489526.408 3752878.210 481.91
   LOCATION L0111812     VOLUME   489559.933 3752877.635 482.48
   LOCATION L0111813     VOLUME   489593.457 3752877.060 483.49
   LOCATION L0111814     VOLUME   489626.981 3752876.486 484.65
   LOCATION L0111815     VOLUME   489660.506 3752875.911 484.85
   LOCATION L0111816     VOLUME   489694.030 3752875.336 483.84
   LOCATION L0111817     VOLUME   489727.555 3752874.761 484.12
   LOCATION L0111818     VOLUME   489761.079 3752874.187 485.30
   LOCATION L0111819     VOLUME   489794.603 3752873.612 484.92
   LOCATION L0111820     VOLUME   489828.128 3752873.037 482.79
   LOCATION L0111821     VOLUME   489861.652 3752872.463 480.74
   LOCATION L0111822     VOLUME   489895.176 3752871.888 480.27
** END OF LINE VOLUME SOURCE ID = SEGMENT28
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT29
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 10.10
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.00878
** ELEVATED
** VERTICAL DIMENSION = 2.20
** SZINIT = 0.51
** NODES = 2
** 488254.11, 3755298.30, 548.00, 2.20, 9.20
** 488465.26, 3754775.46, 527.00, 2.20, 9.20
** ---------------------------------------------------------------------
   LOCATION L0111823     VOLUME   488256.001 3755293.618 547.91
   LOCATION L0111824     VOLUME   488263.407 3755275.280 547.76
   LOCATION L0111825     VOLUME   488270.813 3755256.941 547.00
   LOCATION L0111826     VOLUME   488278.219 3755238.603 546.11
   LOCATION L0111827     VOLUME   488285.625 3755220.265 545.58
   LOCATION L0111828     VOLUME   488293.031 3755201.926 546.30
   LOCATION L0111829     VOLUME   488300.437 3755183.588 546.55
   LOCATION L0111830     VOLUME   488307.843 3755165.250 546.07
   LOCATION L0111831     VOLUME   488315.248 3755146.911 545.50
   LOCATION L0111832     VOLUME   488322.654 3755128.573 544.24
   LOCATION L0111833     VOLUME   488330.060 3755110.235 541.81
   LOCATION L0111834     VOLUME   488337.466 3755091.896 539.27
   LOCATION L0111835     VOLUME   488344.872 3755073.558 537.21
   LOCATION L0111836     VOLUME   488352.278 3755055.220 535.11
   LOCATION L0111837     VOLUME   488359.684 3755036.881 533.03
   LOCATION L0111838     VOLUME   488367.089 3755018.543 531.46
   LOCATION L0111839     VOLUME   488374.495 3755000.205 530.12
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   LOCATION L0111840     VOLUME   488381.901 3754981.866 528.93
   LOCATION L0111841     VOLUME   488389.307 3754963.528 527.84
   LOCATION L0111842     VOLUME   488396.713 3754945.190 527.02
   LOCATION L0111843     VOLUME   488404.119 3754926.851 527.91
   LOCATION L0111844     VOLUME   488411.525 3754908.513 527.77
   LOCATION L0111845     VOLUME   488418.930 3754890.175 527.27
   LOCATION L0111846     VOLUME   488426.336 3754871.837 526.62
   LOCATION L0111847     VOLUME   488433.742 3754853.498 525.57
   LOCATION L0111848     VOLUME   488441.148 3754835.160 524.34
   LOCATION L0111849     VOLUME   488448.554 3754816.822 526.00
   LOCATION L0111850     VOLUME   488455.960 3754798.483 526.05
   LOCATION L0111851     VOLUME   488463.366 3754780.145 526.51
** END OF LINE VOLUME SOURCE ID = SEGMENT29
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT30
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 10.10
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.0255
** ELEVATED
** VERTICAL DIMENSION = 2.30
** SZINIT = 0.53
** NODES = 4
** 488465.58, 3754780.49, 527.00, 2.30, 9.32
** 488732.03, 3754307.92, 516.00, 2.30, 9.32
** 488963.28, 3754116.89, 511.00, 2.30, 9.32
** 490099.45, 3753423.12, 503.00, 2.30, 9.32
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   LOCATION L0111852     VOLUME   488468.061 3754776.091 526.37
   LOCATION L0111853     VOLUME   488477.900 3754758.640 525.96
   LOCATION L0111854     VOLUME   488487.740 3754741.189 525.22
   LOCATION L0111855     VOLUME   488497.579 3754723.739 524.23
   LOCATION L0111856     VOLUME   488507.418 3754706.288 524.00
   LOCATION L0111857     VOLUME   488517.257 3754688.838 524.00
   LOCATION L0111858     VOLUME   488527.096 3754671.387 523.43
   LOCATION L0111859     VOLUME   488536.935 3754653.936 522.26
   LOCATION L0111860     VOLUME   488546.775 3754636.486 521.45
   LOCATION L0111861     VOLUME   488556.614 3754619.035 521.60
   LOCATION L0111862     VOLUME   488566.453 3754601.585 521.75
   LOCATION L0111863     VOLUME   488576.292 3754584.134 522.33
   LOCATION L0111864     VOLUME   488586.131 3754566.683 523.13
   LOCATION L0111865     VOLUME   488595.971 3754549.233 522.86
   LOCATION L0111866     VOLUME   488605.810 3754531.782 521.81
   LOCATION L0111867     VOLUME   488615.649 3754514.331 522.23
   LOCATION L0111868     VOLUME   488625.488 3754496.881 522.80
   LOCATION L0111869     VOLUME   488635.327 3754479.430 522.43
   LOCATION L0111870     VOLUME   488645.166 3754461.980 521.23
   LOCATION L0111871     VOLUME   488655.006 3754444.529 519.18
   LOCATION L0111872     VOLUME   488664.845 3754427.078 517.54
   LOCATION L0111873     VOLUME   488674.684 3754409.628 516.13
   LOCATION L0111874     VOLUME   488684.523 3754392.177 514.72
   LOCATION L0111875     VOLUME   488694.362 3754374.727 512.98
   LOCATION L0111876     VOLUME   488704.201 3754357.276 512.63
   LOCATION L0111877     VOLUME   488714.041 3754339.825 513.58
   LOCATION L0111878     VOLUME   488723.880 3754322.375 514.58
   LOCATION L0111879     VOLUME   488734.683 3754305.731 514.37
   LOCATION L0111880     VOLUME   488750.128 3754292.972 513.43
   LOCATION L0111881     VOLUME   488765.573 3754280.213 511.63
   LOCATION L0111882     VOLUME   488781.018 3754267.454 510.35
   LOCATION L0111883     VOLUME   488796.462 3754254.695 509.90
   LOCATION L0111884     VOLUME   488811.907 3754241.937 509.97
   LOCATION L0111885     VOLUME   488827.352 3754229.178 510.21
   LOCATION L0111886     VOLUME   488842.797 3754216.419 509.96
   LOCATION L0111887     VOLUME   488858.242 3754203.660 509.76
   LOCATION L0111888     VOLUME   488873.687 3754190.901 510.64
   LOCATION L0111889     VOLUME   488889.132 3754178.142 511.39
   LOCATION L0111890     VOLUME   488904.577 3754165.384 511.69
   LOCATION L0111891     VOLUME   488920.022 3754152.625 511.56
   LOCATION L0111892     VOLUME   488935.467 3754139.866 511.00
   LOCATION L0111893     VOLUME   488950.912 3754127.107 510.57
   LOCATION L0111894     VOLUME   488966.685 3754114.810 510.16
   LOCATION L0111895     VOLUME   488983.783 3754104.369 507.69
   LOCATION L0111896     VOLUME   489000.881 3754093.929 504.89
   LOCATION L0111897     VOLUME   489017.979 3754083.489 503.56
   LOCATION L0111898     VOLUME   489035.077 3754073.049 502.75
   LOCATION L0111899     VOLUME   489052.174 3754062.608 503.01
   LOCATION L0111900     VOLUME   489069.272 3754052.168 503.38
   LOCATION L0111901     VOLUME   489086.370 3754041.728 503.33
   LOCATION L0111902     VOLUME   489103.468 3754031.288 502.75
   LOCATION L0111903     VOLUME   489120.566 3754020.847 502.04
   LOCATION L0111904     VOLUME   489137.663 3754010.407 500.90
   LOCATION L0111905     VOLUME   489154.761 3753999.967 499.51
   LOCATION L0111906     VOLUME   489171.859 3753989.527 498.29
   LOCATION L0111907     VOLUME   489188.957 3753979.086 498.74
   LOCATION L0111908     VOLUME   489206.055 3753968.646 499.21
   LOCATION L0111909     VOLUME   489223.152 3753958.206 499.39
   LOCATION L0111910     VOLUME   489240.250 3753947.766 499.18
   LOCATION L0111911     VOLUME   489257.348 3753937.325 498.49
   LOCATION L0111912     VOLUME   489274.446 3753926.885 498.00
   LOCATION L0111913     VOLUME   489291.544 3753916.445 498.00
   LOCATION L0111914     VOLUME   489308.641 3753906.005 497.94
   LOCATION L0111915     VOLUME   489325.739 3753895.564 498.00
   LOCATION L0111916     VOLUME   489342.837 3753885.124 497.57
   LOCATION L0111917     VOLUME   489359.935 3753874.684 497.00
   LOCATION L0111918     VOLUME   489377.033 3753864.244 497.46
   LOCATION L0111919     VOLUME   489394.130 3753853.803 497.52
   LOCATION L0111920     VOLUME   489411.228 3753843.363 497.19
   LOCATION L0111921     VOLUME   489428.326 3753832.923 497.17
   LOCATION L0111922     VOLUME   489445.424 3753822.483 497.09
   LOCATION L0111923     VOLUME   489462.522 3753812.042 497.83
   LOCATION L0111924     VOLUME   489479.619 3753801.602 498.69
   LOCATION L0111925     VOLUME   489496.717 3753791.162 498.93
   LOCATION L0111926     VOLUME   489513.815 3753780.722 499.15
   LOCATION L0111927     VOLUME   489530.913 3753770.281 499.70
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   LOCATION L0111928     VOLUME   489548.011 3753759.841 499.91
   LOCATION L0111929     VOLUME   489565.108 3753749.401 499.98
   LOCATION L0111930     VOLUME   489582.206 3753738.961 500.04
   LOCATION L0111931     VOLUME   489599.304 3753728.520 500.26
   LOCATION L0111932     VOLUME   489616.402 3753718.080 500.93
   LOCATION L0111933     VOLUME   489633.500 3753707.640 500.81
   LOCATION L0111934     VOLUME   489650.597 3753697.200 500.24
   LOCATION L0111935     VOLUME   489667.695 3753686.759 499.56
   LOCATION L0111936     VOLUME   489684.793 3753676.319 498.64
   LOCATION L0111937     VOLUME   489701.891 3753665.879 499.31
   LOCATION L0111938     VOLUME   489718.988 3753655.439 500.90
   LOCATION L0111939     VOLUME   489736.086 3753644.998 502.34
   LOCATION L0111940     VOLUME   489753.184 3753634.558 503.15
   LOCATION L0111941     VOLUME   489770.282 3753624.118 502.80
   LOCATION L0111942     VOLUME   489787.380 3753613.678 502.57
   LOCATION L0111943     VOLUME   489804.477 3753603.238 502.20
   LOCATION L0111944     VOLUME   489821.575 3753592.797 501.52
   LOCATION L0111945     VOLUME   489838.673 3753582.357 500.82
   LOCATION L0111946     VOLUME   489855.771 3753571.917 501.11
   LOCATION L0111947     VOLUME   489872.869 3753561.477 502.19
   LOCATION L0111948     VOLUME   489889.966 3753551.036 503.33
   LOCATION L0111949     VOLUME   489907.064 3753540.596 504.24
   LOCATION L0111950     VOLUME   489924.162 3753530.156 504.09
   LOCATION L0111951     VOLUME   489941.260 3753519.716 503.77
   LOCATION L0111952     VOLUME   489958.358 3753509.275 502.90
   LOCATION L0111953     VOLUME   489975.455 3753498.835 501.70
   LOCATION L0111954     VOLUME   489992.553 3753488.395 500.88
   LOCATION L0111955     VOLUME   490009.651 3753477.955 500.59
   LOCATION L0111956     VOLUME   490026.749 3753467.514 500.58
   LOCATION L0111957     VOLUME   490043.847 3753457.074 500.24
   LOCATION L0111958     VOLUME   490060.944 3753446.634 500.80
   LOCATION L0111959     VOLUME   490078.042 3753436.194 501.90
   LOCATION L0111960     VOLUME   490095.140 3753425.753 502.60
** END OF LINE VOLUME SOURCE ID = SEGMENT30
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY SEPARATED VOLUME SOURCES
** LINE VOLUME SOURCE ID = SEGMENT31
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 10.10
** CONFIGURATION = SEPARATED
** EMISSION RATE = 0.00225
** ELEVATED
** VERTICAL DIMENSION = 2.60
** SZINIT = 0.60
** NODES = 3
** 490099.77, 3753444.85, 504.00, 2.60, 9.38
** 490652.78, 3753118.08, 492.00, 2.60, 9.38
** 491195.72, 3752374.04, 463.00, 2.60, 9.38
** ---------------------------------------------------------------------
   LOCATION L0111961     VOLUME   490104.122 3753442.284 503.40
   LOCATION L0111962     VOLUME   490121.489 3753432.021 503.63
   LOCATION L0111963     VOLUME   490138.857 3753421.758 502.32
   LOCATION L0111964     VOLUME   490156.224 3753411.496 502.36
   LOCATION L0111965     VOLUME   490173.592 3753401.233 502.17
   LOCATION L0111966     VOLUME   490190.959 3753390.971 501.12
   LOCATION L0111967     VOLUME   490208.326 3753380.708 500.55
   LOCATION L0111968     VOLUME   490225.694 3753370.446 500.81
   LOCATION L0111969     VOLUME   490243.061 3753360.183 501.44
   LOCATION L0111970     VOLUME   490260.428 3753349.921 501.30
   LOCATION L0111971     VOLUME   490277.796 3753339.658 499.46
   LOCATION L0111972     VOLUME   490295.163 3753329.396 497.80
   LOCATION L0111973     VOLUME   490312.530 3753319.133 496.61
   LOCATION L0111974     VOLUME   490329.898 3753308.871 495.69
   LOCATION L0111975     VOLUME   490347.265 3753298.608 494.96
   LOCATION L0111976     VOLUME   490364.633 3753288.345 495.10
   LOCATION L0111977     VOLUME   490382.000 3753278.083 495.35
   LOCATION L0111978     VOLUME   490399.367 3753267.820 495.69
   LOCATION L0111979     VOLUME   490416.735 3753257.558 496.45
   LOCATION L0111980     VOLUME   490434.102 3753247.295 496.34
   LOCATION L0111981     VOLUME   490451.469 3753237.033 495.44
   LOCATION L0111982     VOLUME   490468.837 3753226.770 493.75
   LOCATION L0111983     VOLUME   490486.204 3753216.508 491.88
   LOCATION L0111984     VOLUME   490503.572 3753206.245 490.76
   LOCATION L0111985     VOLUME   490520.939 3753195.983 489.83
   LOCATION L0111986     VOLUME   490538.306 3753185.720 489.24
   LOCATION L0111987     VOLUME   490555.674 3753175.458 488.85
   LOCATION L0111988     VOLUME   490573.041 3753165.195 489.38
   LOCATION L0111989     VOLUME   490590.408 3753154.933 490.19
   LOCATION L0111990     VOLUME   490607.776 3753144.670 491.19
   LOCATION L0111991     VOLUME   490625.143 3753134.407 491.91
   LOCATION L0111992     VOLUME   490642.510 3753124.145 491.35
   LOCATION L0111993     VOLUME   490657.639 3753111.415 489.45
   LOCATION L0111994     VOLUME   490669.530 3753095.120 487.10
   LOCATION L0111995     VOLUME   490681.421 3753078.825 485.60
   LOCATION L0111996     VOLUME   490693.313 3753062.529 485.05
   LOCATION L0111997     VOLUME   490705.204 3753046.234 484.47
   LOCATION L0111998     VOLUME   490717.095 3753029.938 484.23
   LOCATION L0111999     VOLUME   490728.986 3753013.643 483.74
   LOCATION L0112000     VOLUME   490740.878 3752997.347 482.76
   LOCATION L0112001     VOLUME   490752.769 3752981.052 480.99
   LOCATION L0112002     VOLUME   490764.660 3752964.756 478.83
   LOCATION L0112003     VOLUME   490776.552 3752948.461 477.94
   LOCATION L0112004     VOLUME   490788.443 3752932.165 478.07
   LOCATION L0112005     VOLUME   490800.334 3752915.870 478.20
   LOCATION L0112006     VOLUME   490812.225 3752899.574 477.16
   LOCATION L0112007     VOLUME   490824.117 3752883.279 475.50
   LOCATION L0112008     VOLUME   490836.008 3752866.983 474.13
   LOCATION L0112009     VOLUME   490847.899 3752850.688 473.05
   LOCATION L0112010     VOLUME   490859.791 3752834.392 473.00
   LOCATION L0112011     VOLUME   490871.682 3752818.097 473.00
   LOCATION L0112012     VOLUME   490883.573 3752801.802 473.00
   LOCATION L0112013     VOLUME   490895.464 3752785.506 472.85
   LOCATION L0112014     VOLUME   490907.356 3752769.211 472.31
   LOCATION L0112015     VOLUME   490919.247 3752752.915 471.99
   LOCATION L0112016     VOLUME   490931.138 3752736.620 472.37
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   LOCATION L0112017     VOLUME   490943.030 3752720.324 472.77
   LOCATION L0112018     VOLUME   490954.921 3752704.029 473.02
   LOCATION L0112019     VOLUME   490966.812 3752687.733 472.59
   LOCATION L0112020     VOLUME   490978.703 3752671.438 472.05
   LOCATION L0112021     VOLUME   490990.595 3752655.142 471.50
   LOCATION L0112022     VOLUME   491002.486 3752638.847 471.02
   LOCATION L0112023     VOLUME   491014.377 3752622.551 471.67
   LOCATION L0112024     VOLUME   491026.269 3752606.256 472.36
   LOCATION L0112025     VOLUME   491038.160 3752589.960 472.23
   LOCATION L0112026     VOLUME   491050.051 3752573.665 471.24
   LOCATION L0112027     VOLUME   491061.942 3752557.370 470.66
   LOCATION L0112028     VOLUME   491073.834 3752541.074 470.78
   LOCATION L0112029     VOLUME   491085.725 3752524.779 471.04
   LOCATION L0112030     VOLUME   491097.616 3752508.483 470.72
   LOCATION L0112031     VOLUME   491109.508 3752492.188 468.29
   LOCATION L0112032     VOLUME   491121.399 3752475.892 465.65
   LOCATION L0112033     VOLUME   491133.290 3752459.597 463.99
   LOCATION L0112034     VOLUME   491145.181 3752443.301 464.01
   LOCATION L0112035     VOLUME   491157.073 3752427.006 464.32
   LOCATION L0112036     VOLUME   491168.964 3752410.710 461.87
   LOCATION L0112037     VOLUME   491180.855 3752394.415 460.34
   LOCATION L0112038     VOLUME   491192.747 3752378.119 460.52
** END OF LINE VOLUME SOURCE ID = SEGMENT31
   LOCATION PHASE2       AREAPOLY   485955.126  3753354.752      492.230
** SOURCE PARAMETERS **
   SRCPARAM PHASE1        6.88E-09     3.500        11
   AREAVERT PHASE1       485577.456 3755020.364 485577.456 3753474.160
   AREAVERT PHASE1       485908.786 3753474.160 485923.846 3753288.414
   AREAVERT PHASE1       486892.734 3753283.394 487138.721 3753248.253
   AREAVERT PHASE1       488479.099 3753223.153 488464.038 3754287.423
   AREAVERT PHASE1       488107.608 3754729.196 487153.781 3754759.316
   AREAVERT PHASE1       487138.721 3755010.324
** LINE VOLUME SOURCE ID = SEGMENT01
   SRCPARAM L0111342     0.0030333333      2.50     27.35      0.58
   SRCPARAM L0111343     0.0030333333      2.50     27.35      0.58
   SRCPARAM L0111344     0.0030333333      2.50     27.35      0.58
   SRCPARAM L0111345     0.0030333333      2.50     27.35      0.58
   SRCPARAM L0111346     0.0030333333      2.50     27.35      0.58
   SRCPARAM L0111347     0.0030333333      2.50     27.35      0.58
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT02
   SRCPARAM L0111348       0.00377      2.40     30.03      0.56
   SRCPARAM L0111349       0.00377      2.40     30.03      0.56
   SRCPARAM L0111350       0.00377      2.40     30.03      0.56
   SRCPARAM L0111351       0.00377      2.40     30.03      0.56
   SRCPARAM L0111352       0.00377      2.40     30.03      0.56
   SRCPARAM L0111353       0.00377      2.40     30.03      0.56
   SRCPARAM L0111354       0.00377      2.40     30.03      0.56
   SRCPARAM L0111355       0.00377      2.40     30.03      0.56
   SRCPARAM L0111356       0.00377      2.40     30.03      0.56
   SRCPARAM L0111357       0.00377      2.40     30.03      0.56
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT03
   SRCPARAM L0111358     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111359     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111360     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111361     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111362     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111363     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111364     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111365     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111366     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111367     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111368     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111369     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111370     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111371     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111372     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111373     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111374     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111375     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111376     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111377     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111378     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111379     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111380     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111381     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111382     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111383     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111384     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111385     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111386     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111387     0.0008322581      2.40     18.01      0.56
   SRCPARAM L0111388     0.0008322581      2.40     18.01      0.56
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT04
   SRCPARAM L0111389       0.00044      2.40     17.72      0.56
   SRCPARAM L0111390       0.00044      2.40     17.72      0.56
   SRCPARAM L0111391       0.00044      2.40     17.72      0.56
   SRCPARAM L0111392       0.00044      2.40     17.72      0.56
   SRCPARAM L0111393       0.00044      2.40     17.72      0.56
   SRCPARAM L0111394       0.00044      2.40     17.72      0.56
   SRCPARAM L0111395       0.00044      2.40     17.72      0.56
   SRCPARAM L0111396       0.00044      2.40     17.72      0.56
   SRCPARAM L0111397       0.00044      2.40     17.72      0.56
   SRCPARAM L0111398       0.00044      2.40     17.72      0.56
   SRCPARAM L0111399       0.00044      2.40     17.72      0.56
   SRCPARAM L0111400       0.00044      2.40     17.72      0.56
   SRCPARAM L0111401       0.00044      2.40     17.72      0.56
   SRCPARAM L0111402       0.00044      2.40     17.72      0.56
   SRCPARAM L0111403       0.00044      2.40     17.72      0.56
   SRCPARAM L0111404       0.00044      2.40     17.72      0.56
   SRCPARAM L0111405       0.00044      2.40     17.72      0.56
   SRCPARAM L0111406       0.00044      2.40     17.72      0.56
   SRCPARAM L0111407       0.00044      2.40     17.72      0.56
   SRCPARAM L0111408       0.00044      2.40     17.72      0.56
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   SRCPARAM L0111409       0.00044      2.40     17.72      0.56
   SRCPARAM L0111410       0.00044      2.40     17.72      0.56
   SRCPARAM L0111411       0.00044      2.40     17.72      0.56
   SRCPARAM L0111412       0.00044      2.40     17.72      0.56
   SRCPARAM L0111413       0.00044      2.40     17.72      0.56
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT05
   SRCPARAM L0111414     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111415     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111416     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111417     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111418     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111419     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111420     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111421     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111422     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111423     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111424     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111425     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111426     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111427     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111428     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111429     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111430     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111431     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111432     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111433     0.0006904762      2.30     24.05      0.53
   SRCPARAM L0111434     0.0006904762      2.30     24.05      0.53
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT06
   SRCPARAM L0111435     0.0015578947      2.40     29.19      0.56
   SRCPARAM L0111436     0.0015578947      2.40     29.19      0.56
   SRCPARAM L0111437     0.0015578947      2.40     29.19      0.56
   SRCPARAM L0111438     0.0015578947      2.40     29.19      0.56
   SRCPARAM L0111439     0.0015578947      2.40     29.19      0.56
   SRCPARAM L0111440     0.0015578947      2.40     29.19      0.56
   SRCPARAM L0111441     0.0015578947      2.40     29.19      0.56
   SRCPARAM L0111442     0.0015578947      2.40     29.19      0.56
   SRCPARAM L0111443     0.0015578947      2.40     29.19      0.56
   SRCPARAM L0111444     0.0015578947      2.40     29.19      0.56
   SRCPARAM L0111445     0.0015578947      2.40     29.19      0.56
   SRCPARAM L0111446     0.0015578947      2.40     29.19      0.56
   SRCPARAM L0111447     0.0015578947      2.40     29.19      0.56
   SRCPARAM L0111448     0.0015578947      2.40     29.19      0.56
   SRCPARAM L0111449     0.0015578947      2.40     29.19      0.56
   SRCPARAM L0111450     0.0015578947      2.40     29.19      0.56
   SRCPARAM L0111451     0.0015578947      2.40     29.19      0.56
   SRCPARAM L0111452     0.0015578947      2.40     29.19      0.56
   SRCPARAM L0111453     0.0015578947      2.40     29.19      0.56
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT07
   SRCPARAM L0111454         0.0014      1.30     29.21      0.30
   SRCPARAM L0111455         0.0014      1.30     29.21      0.30
   SRCPARAM L0111456         0.0014      1.30     29.21      0.30
   SRCPARAM L0111457         0.0014      1.30     29.21      0.30
   SRCPARAM L0111458         0.0014      1.30     29.21      0.30
   SRCPARAM L0111459         0.0014      1.30     29.21      0.30
   SRCPARAM L0111460         0.0014      1.30     29.21      0.30
   SRCPARAM L0111461         0.0014      1.30     29.21      0.30
   SRCPARAM L0111462         0.0014      1.30     29.21      0.30
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT08
   SRCPARAM L0111463      0.000263      1.60     18.01      0.37
   SRCPARAM L0111464      0.000263      1.60     18.01      0.37
   SRCPARAM L0111465      0.000263      1.60     18.01      0.37
   SRCPARAM L0111466      0.000263      1.60     18.01      0.37
   SRCPARAM L0111467      0.000263      1.60     18.01      0.37
   SRCPARAM L0111468      0.000263      1.60     18.01      0.37
   SRCPARAM L0111469      0.000263      1.60     18.01      0.37
   SRCPARAM L0111470      0.000263      1.60     18.01      0.37
   SRCPARAM L0111471      0.000263      1.60     18.01      0.37
   SRCPARAM L0111472      0.000263      1.60     18.01      0.37
   SRCPARAM L0111473      0.000263      1.60     18.01      0.37
   SRCPARAM L0111474      0.000263      1.60     18.01      0.37
   SRCPARAM L0111475      0.000263      1.60     18.01      0.37
   SRCPARAM L0111476      0.000263      1.60     18.01      0.37
   SRCPARAM L0111477      0.000263      1.60     18.01      0.37
   SRCPARAM L0111478      0.000263      1.60     18.01      0.37
   SRCPARAM L0111479      0.000263      1.60     18.01      0.37
   SRCPARAM L0111480      0.000263      1.60     18.01      0.37
   SRCPARAM L0111481      0.000263      1.60     18.01      0.37
   SRCPARAM L0111482      0.000263      1.60     18.01      0.37
   SRCPARAM L0111483      0.000263      1.60     18.01      0.37
   SRCPARAM L0111484      0.000263      1.60     18.01      0.37
   SRCPARAM L0111485      0.000263      1.60     18.01      0.37
   SRCPARAM L0111486      0.000263      1.60     18.01      0.37
   SRCPARAM L0111487      0.000263      1.60     18.01      0.37
   SRCPARAM L0111488      0.000263      1.60     18.01      0.37
   SRCPARAM L0111489      0.000263      1.60     18.01      0.37
   SRCPARAM L0111490      0.000263      1.60     18.01      0.37
   SRCPARAM L0111491      0.000263      1.60     18.01      0.37
   SRCPARAM L0111492      0.000263      1.60     18.01      0.37
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT11
   SRCPARAM L0111493     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111494     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111495     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111496     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111497     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111498     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111499     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111500     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111501     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111502     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111503     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111504     -0.0000325      1.00     15.74      0.23
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   SRCPARAM L0111505     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111506     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111507     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111508     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111509     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111510     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111511     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111512     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111513     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111514     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111515     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111516     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111517     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111518     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111519     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111520     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111521     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111522     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111523     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111524     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111525     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111526     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111527     -0.0000325      1.00     15.74      0.23
   SRCPARAM L0111528     -0.0000325      1.00     15.74      0.23
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT12
   SRCPARAM L0111529     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111530     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111531     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111532     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111533     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111534     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111535     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111536     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111537     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111538     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111539     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111540     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111541     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111542     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111543     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111544     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111545     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111546     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111547     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111548     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111549     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111550     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111551     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111552     0.0001132      1.20     15.63      0.28
   SRCPARAM L0111553     0.0001132      1.20     15.63      0.28
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT14
   SRCPARAM L0111554     0.0003105556      2.20     23.83      0.51
   SRCPARAM L0111555     0.0003105556      2.20     23.83      0.51
   SRCPARAM L0111556     0.0003105556      2.20     23.83      0.51
   SRCPARAM L0111557     0.0003105556      2.20     23.83      0.51
   SRCPARAM L0111558     0.0003105556      2.20     23.83      0.51
   SRCPARAM L0111559     0.0003105556      2.20     23.83      0.51
   SRCPARAM L0111560     0.0003105556      2.20     23.83      0.51
   SRCPARAM L0111561     0.0003105556      2.20     23.83      0.51
   SRCPARAM L0111562     0.0003105556      2.20     23.83      0.51
   SRCPARAM L0111563     0.0003105556      2.20     23.83      0.51
   SRCPARAM L0111564     0.0003105556      2.20     23.83      0.51
   SRCPARAM L0111565     0.0003105556      2.20     23.83      0.51
   SRCPARAM L0111566     0.0003105556      2.20     23.83      0.51
   SRCPARAM L0111567     0.0003105556      2.20     23.83      0.51
   SRCPARAM L0111568     0.0003105556      2.20     23.83      0.51
   SRCPARAM L0111569     0.0003105556      2.20     23.83      0.51
   SRCPARAM L0111570     0.0003105556      2.20     23.83      0.51
   SRCPARAM L0111571     0.0003105556      2.20     23.83      0.51
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT15
   SRCPARAM L0111572     0.0002393333      2.50     23.51      0.58
   SRCPARAM L0111573     0.0002393333      2.50     23.51      0.58
   SRCPARAM L0111574     0.0002393333      2.50     23.51      0.58
   SRCPARAM L0111575     0.0002393333      2.50     23.51      0.58
   SRCPARAM L0111576     0.0002393333      2.50     23.51      0.58
   SRCPARAM L0111577     0.0002393333      2.50     23.51      0.58
   SRCPARAM L0111578     0.0002393333      2.50     23.51      0.58
   SRCPARAM L0111579     0.0002393333      2.50     23.51      0.58
   SRCPARAM L0111580     0.0002393333      2.50     23.51      0.58
   SRCPARAM L0111581     0.0002393333      2.50     23.51      0.58
   SRCPARAM L0111582     0.0002393333      2.50     23.51      0.58
   SRCPARAM L0111583     0.0002393333      2.50     23.51      0.58
   SRCPARAM L0111584     0.0002393333      2.50     23.51      0.58
   SRCPARAM L0111585     0.0002393333      2.50     23.51      0.58
   SRCPARAM L0111586     0.0002393333      2.50     23.51      0.58
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT18
   SRCPARAM L0111587     0.000141875      2.30     23.38      0.53
   SRCPARAM L0111588     0.000141875      2.30     23.38      0.53
   SRCPARAM L0111589     0.000141875      2.30     23.38      0.53
   SRCPARAM L0111590     0.000141875      2.30     23.38      0.53
   SRCPARAM L0111591     0.000141875      2.30     23.38      0.53
   SRCPARAM L0111592     0.000141875      2.30     23.38      0.53
   SRCPARAM L0111593     0.000141875      2.30     23.38      0.53
   SRCPARAM L0111594     0.000141875      2.30     23.38      0.53
   SRCPARAM L0111595     0.000141875      2.30     23.38      0.53
   SRCPARAM L0111596     0.000141875      2.30     23.38      0.53
   SRCPARAM L0111597     0.000141875      2.30     23.38      0.53
   SRCPARAM L0111598     0.000141875      2.30     23.38      0.53
   SRCPARAM L0111599     0.000141875      2.30     23.38      0.53
   SRCPARAM L0111600     0.000141875      2.30     23.38      0.53
   SRCPARAM L0111601     0.000141875      2.30     23.38      0.53
   SRCPARAM L0111602     0.000141875      2.30     23.38      0.53
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** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT18A
   SRCPARAM L0111603     0.0000464615      2.20     24.10      0.51
   SRCPARAM L0111604     0.0000464615      2.20     24.10      0.51
   SRCPARAM L0111605     0.0000464615      2.20     24.10      0.51
   SRCPARAM L0111606     0.0000464615      2.20     24.10      0.51
   SRCPARAM L0111607     0.0000464615      2.20     24.10      0.51
   SRCPARAM L0111608     0.0000464615      2.20     24.10      0.51
   SRCPARAM L0111609     0.0000464615      2.20     24.10      0.51
   SRCPARAM L0111610     0.0000464615      2.20     24.10      0.51
   SRCPARAM L0111611     0.0000464615      2.20     24.10      0.51
   SRCPARAM L0111612     0.0000464615      2.20     24.10      0.51
   SRCPARAM L0111613     0.0000464615      2.20     24.10      0.51
   SRCPARAM L0111614     0.0000464615      2.20     24.10      0.51
   SRCPARAM L0111615     0.0000464615      2.20     24.10      0.51
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT19
   SRCPARAM L0111616     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111617     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111618     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111619     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111620     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111621     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111622     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111623     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111624     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111625     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111626     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111627     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111628     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111629     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111630     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111631     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111632     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111633     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111634     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111635     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111636     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111637     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111638     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111639     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111640     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111641     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111642     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111643     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111644     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111645     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111646     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111647     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111648     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111649     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111650     0.0002888889      2.40     17.64      0.56
   SRCPARAM L0111651     0.0002888889      2.40     17.64      0.56
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT20
   SRCPARAM L0111652     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111653     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111654     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111655     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111656     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111657     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111658     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111659     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111660     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111661     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111662     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111663     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111664     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111665     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111666     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111667     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111668     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111669     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111670     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111671     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111672     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111673     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111674     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111675     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111676     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111677     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111678     0.0000475      1.80     18.04      0.42
   SRCPARAM L0111679     0.0000475      1.80     18.04      0.42
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT21
   SRCPARAM L0111680     0.0007642857      2.30     22.81      0.53
   SRCPARAM L0111681     0.0007642857      2.30     22.81      0.53
   SRCPARAM L0111682     0.0007642857      2.30     22.81      0.53
   SRCPARAM L0111683     0.0007642857      2.30     22.81      0.53
   SRCPARAM L0111684     0.0007642857      2.30     22.81      0.53
   SRCPARAM L0111685     0.0007642857      2.30     22.81      0.53
   SRCPARAM L0111686     0.0007642857      2.30     22.81      0.53
   SRCPARAM L0111687     0.0007642857      2.30     22.81      0.53
   SRCPARAM L0111688     0.0007642857      2.30     22.81      0.53
   SRCPARAM L0111689     0.0007642857      2.30     22.81      0.53
   SRCPARAM L0111690     0.0007642857      2.30     22.81      0.53
   SRCPARAM L0111691     0.0007642857      2.30     22.81      0.53
   SRCPARAM L0111692     0.0007642857      2.30     22.81      0.53
   SRCPARAM L0111693     0.0007642857      2.30     22.81      0.53
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT22
   SRCPARAM L0111694     0.0008571429      2.30     24.24      0.53
   SRCPARAM L0111695     0.0008571429      2.30     24.24      0.53
   SRCPARAM L0111696     0.0008571429      2.30     24.24      0.53
   SRCPARAM L0111697     0.0008571429      2.30     24.24      0.53
   SRCPARAM L0111698     0.0008571429      2.30     24.24      0.53
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   SRCPARAM L0111699     0.0008571429      2.30     24.24      0.53
   SRCPARAM L0111700     0.0008571429      2.30     24.24      0.53
   SRCPARAM L0111701     0.0008571429      2.30     24.24      0.53
   SRCPARAM L0111702     0.0008571429      2.30     24.24      0.53
   SRCPARAM L0111703     0.0008571429      2.30     24.24      0.53
   SRCPARAM L0111704     0.0008571429      2.30     24.24      0.53
   SRCPARAM L0111705     0.0008571429      2.30     24.24      0.53
   SRCPARAM L0111706     0.0008571429      2.30     24.24      0.53
   SRCPARAM L0111707     0.0008571429      2.30     24.24      0.53
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT23
   SRCPARAM L0111708     0.0016583333      1.30     18.10      0.30
   SRCPARAM L0111709     0.0016583333      1.30     18.10      0.30
   SRCPARAM L0111710     0.0016583333      1.30     18.10      0.30
   SRCPARAM L0111711     0.0016583333      1.30     18.10      0.30
   SRCPARAM L0111712     0.0016583333      1.30     18.10      0.30
   SRCPARAM L0111713     0.0016583333      1.30     18.10      0.30
   SRCPARAM L0111714     0.0016583333      1.30     18.10      0.30
   SRCPARAM L0111715     0.0016583333      1.30     18.10      0.30
   SRCPARAM L0111716     0.0016583333      1.30     18.10      0.30
   SRCPARAM L0111717     0.0016583333      1.30     18.10      0.30
   SRCPARAM L0111718     0.0016583333      1.30     18.10      0.30
   SRCPARAM L0111719     0.0016583333      1.30     18.10      0.30
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT24
   SRCPARAM L0111720     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111721     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111722     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111723     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111724     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111725     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111726     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111727     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111728     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111729     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111730     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111731     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111732     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111733     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111734     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111735     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111736     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111737     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111738     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111739     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111740     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111741     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111742     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111743     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111744     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111745     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111746     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111747     0.0003072414      2.10     23.53      0.49
   SRCPARAM L0111748     0.0003072414      2.10     23.53      0.49
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT25
   SRCPARAM L0111749       0.00059      2.30     22.24      0.53
   SRCPARAM L0111750       0.00059      2.30     22.24      0.53
   SRCPARAM L0111751       0.00059      2.30     22.24      0.53
   SRCPARAM L0111752       0.00059      2.30     22.24      0.53
   SRCPARAM L0111753       0.00059      2.30     22.24      0.53
   SRCPARAM L0111754       0.00059      2.30     22.24      0.53
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT26
   SRCPARAM L0111755     0.0012384615      1.30     15.51      0.30
   SRCPARAM L0111756     0.0012384615      1.30     15.51      0.30
   SRCPARAM L0111757     0.0012384615      1.30     15.51      0.30
   SRCPARAM L0111758     0.0012384615      1.30     15.51      0.30
   SRCPARAM L0111759     0.0012384615      1.30     15.51      0.30
   SRCPARAM L0111760     0.0012384615      1.30     15.51      0.30
   SRCPARAM L0111761     0.0012384615      1.30     15.51      0.30
   SRCPARAM L0111762     0.0012384615      1.30     15.51      0.30
   SRCPARAM L0111763     0.0012384615      1.30     15.51      0.30
   SRCPARAM L0111764     0.0012384615      1.30     15.51      0.30
   SRCPARAM L0111765     0.0012384615      1.30     15.51      0.30
   SRCPARAM L0111766     0.0012384615      1.30     15.51      0.30
   SRCPARAM L0111767     0.0012384615      1.30     15.51      0.30
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT27
   SRCPARAM L0111768     0.0009272727      1.30     15.35      0.30
   SRCPARAM L0111769     0.0009272727      1.30     15.35      0.30
   SRCPARAM L0111770     0.0009272727      1.30     15.35      0.30
   SRCPARAM L0111771     0.0009272727      1.30     15.35      0.30
   SRCPARAM L0111772     0.0009272727      1.30     15.35      0.30
   SRCPARAM L0111773     0.0009272727      1.30     15.35      0.30
   SRCPARAM L0111774     0.0009272727      1.30     15.35      0.30
   SRCPARAM L0111775     0.0009272727      1.30     15.35      0.30
   SRCPARAM L0111776     0.0009272727      1.30     15.35      0.30
   SRCPARAM L0111777     0.0009272727      1.30     15.35      0.30
   SRCPARAM L0111778     0.0009272727      1.30     15.35      0.30
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT28
   SRCPARAM L0111779     0.0001404545      1.60     15.60      0.37
   SRCPARAM L0111780     0.0001404545      1.60     15.60      0.37
   SRCPARAM L0111781     0.0001404545      1.60     15.60      0.37
   SRCPARAM L0111782     0.0001404545      1.60     15.60      0.37
   SRCPARAM L0111783     0.0001404545      1.60     15.60      0.37
   SRCPARAM L0111784     0.0001404545      1.60     15.60      0.37
   SRCPARAM L0111785     0.0001404545      1.60     15.60      0.37
   SRCPARAM L0111786     0.0001404545      1.60     15.60      0.37
   SRCPARAM L0111787     0.0001404545      1.60     15.60      0.37
   SRCPARAM L0111788     0.0001404545      1.60     15.60      0.37
   SRCPARAM L0111789     0.0001404545      1.60     15.60      0.37
   SRCPARAM L0111790     0.0001404545      1.60     15.60      0.37
   SRCPARAM L0111791     0.0001404545      1.60     15.60      0.37
   SRCPARAM L0111792     0.0001404545      1.60     15.60      0.37
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   SRCPARAM L0111793     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111794     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111795     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111796     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111797     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111798     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111799     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111800     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111801     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111802     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111803     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111804     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111805     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111806     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111807     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111808     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111809     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111810     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111811     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111812     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111813     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111814     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111815     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111816     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111817     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111818     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111819     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111820     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111821     0.0001404545      1.60      15.60      0.37
   SRCPARAM L0111822     0.0001404545      1.60      15.60      0.37
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT29
   SRCPARAM L0111823     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111824     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111825     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111826     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111827     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111828     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111829     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111830     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111831     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111832     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111833     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111834     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111835     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111836     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111837     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111838     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111839     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111840     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111841     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111842     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111843     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111844     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111845     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111846     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111847     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111848     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111849     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111850     0.0003027586      2.20       9.20      0.51
   SRCPARAM L0111851     0.0003027586      2.20       9.20      0.51
** ---------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT30
   SRCPARAM L0111852     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111853     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111854     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111855     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111856     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111857     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111858     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111859     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111860     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111861     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111862     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111863     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111864     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111865     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111866     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111867     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111868     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111869     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111870     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111871     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111872     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111873     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111874     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111875     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111876     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111877     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111878     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111879     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111880     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111881     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111882     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111883     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111884     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111885     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111886     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111887     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111888     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111889     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111890     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111891     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111892     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111893     0.000233945       2.30       9.32      0.53
   SRCPARAM L0111894     0.000233945       2.30       9.32      0.53
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   SRCPARAM L0111895     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111896     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111897     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111898     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111899     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111900     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111901     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111902     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111903     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111904     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111905     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111906     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111907     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111908     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111909     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111910     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111911     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111912     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111913     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111914     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111915     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111916     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111917     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111918     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111919     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111920     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111921     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111922     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111923     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111924     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111925     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111926     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111927     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111928     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111929     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111930     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111931     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111932     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111933     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111934     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111935     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111936     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111937     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111938     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111939     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111940     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111941     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111942     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111943     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111944     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111945     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111946     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111947     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111948     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111949     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111950     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111951     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111952     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111953     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111954     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111955     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111956     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111957     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111958     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111959     0.000233945      2.30      9.32      0.53
   SRCPARAM L0111960     0.000233945      2.30      9.32      0.53
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SEGMENT31
   SRCPARAM L0111961     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111962     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111963     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111964     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111965     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111966     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111967     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111968     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111969     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111970     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111971     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111972     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111973     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111974     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111975     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111976     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111977     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111978     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111979     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111980     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111981     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111982     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111983     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111984     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111985     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111986     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111987     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111988     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111989     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111990     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111991     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111992     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111993     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111994     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111995     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111996     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111997     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0111998     0.0000288462      2.60      9.38      0.60
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   SRCPARAM L0111999     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112000     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112001     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112002     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112003     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112004     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112005     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112006     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112007     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112008     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112009     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112010     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112011     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112012     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112013     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112014     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112015     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112016     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112017     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112018     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112019     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112020     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112021     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112022     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112023     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112024     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112025     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112026     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112027     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112028     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112029     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112030     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112031     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112032     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112033     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112034     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112035     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112036     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112037     0.0000288462      2.60      9.38      0.60
   SRCPARAM L0112038     0.0000288462      2.60      9.38      0.60
** ---------------------------------------------------------------------
   SRCPARAM PHASE2        6.44E-09     3.600       24
   AREAVERT PHASE2       485955.126 3753354.752 485960.607 3752757.752
   AREAVERT PHASE2       487265.046 3752735.752 487270.339 3752537.752
   AREAVERT PHASE2       488306.339 3752532.752 488311.339 3752861.752
   AREAVERT PHASE2       489243.339 3752833.752 489248.339 3752439.752
   AREAVERT PHASE2       491062.339 3752444.752 490854.339 3752883.752
   AREAVERT PHASE2       490487.339 3753222.752 488733.750 3754233.804
   AREAVERT PHASE2       488611.086 3754487.983 488405.339 3754467.752
   AREAVERT PHASE2       487997.339 3755020.752 487759.339 3755283.752
   AREAVERT PHASE2       487242.339 3755300.752 487234.339 3755007.752
   AREAVERT PHASE2       487990.339 3755019.752 488170.339 3754780.752
   AREAVERT PHASE2       488472.339 3754353.752 488465.339 3753305.752
   AREAVERT PHASE2       487133.339 3753283.752 486826.339 3753359.752
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD RECEPTOR PATHWAY
****************************************
**
**
RE STARTING
   INCLUDED AERMOD_LST_PM25_2012NR.ROU
RE FINISHED
**
****************************************
** AERMOD METEOROLOGY PATHWAY
****************************************
**
**
ME STARTING
   SURFFILE RIVR2.SFC
   PROFFILE RIVR2.PFL
   SURFDATA 00002 2005
   UAIRDATA 3190 2005
   PROFBASE 250.0 METERS
ME FINISHED
**
****************************************
** AERMOD OUTPUT PATHWAY
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** AUTO-GENERATED PLOTFILES
   PLOTFILE   24 ALL 1ST AERMOD_LST_PM25_2012NR.AD\24H1GALL.PLT 31
   PLOTFILE   ANNUAL ALL AERMOD_LST_PM25_2012NR.AD\AN00GALL.PLT 32
   SUMMFILE AERMOD_LST_PM25_2012NR.SUM
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***
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   ********   WARNING MESSAGES   ********
ME W530    1986 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

***********************************
*** SETUP Finishes Successfully ***
***********************************

♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                          ***        11/29/12
                                    *** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION)                      ***        08:08:47
                                                                                                                  PAGE   1
**MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL

                                              ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

**Model Is Setup For Calculation of Average CONCentration Values.

  --  DEPOSITION LOGIC  --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
**Model Uses NO WET DEPLETION.  WETDPLT  =  F

**Model Uses URBAN Dispersion Algorithm for the SBL for   699 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =   2000000.0 ;  Urban Roughness Length =  1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTALL  - Use effective sigma-y to optimize meander for
                   POINT and VOLUME sources, and hybrid approach
                   to optimize AREA sources (formerly TOXICS option)

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates  1 Short Term Average(s) of:  24-HR
    and Calculates ANNUAL Averages

**This Run Includes:    699 Source(s);       1 Source Group(s); and    1873 Receptor(s)

**The Model Assumes A Pollutant Type of:  PM_2.5

**Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   250.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      4.4 MB of RAM.

**Detailed Error/Message File:   AERMOD_LST_PM25_2012NR.ERR
**File for Summary of Results:   AERMOD_LST_PM25_2012NR.SUM
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                          ***        11/29/12
                                    *** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION)                      ***        08:08:47
                                                                                                                  PAGE   2
**MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.   URBAN  EMISSION RATE
  SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT     SY       SZ     SOURCE  SCALAR VARY
    ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)              BY
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

L0111342         0   0.30333E-02  487123.6 3755406.2   540.0     2.50    27.35     0.58     YES
L0111343         0   0.30333E-02  487123.6 3755347.4   542.8     2.50    27.35     0.58     YES
L0111344         0   0.30333E-02  487123.6 3755288.6   541.8     2.50    27.35     0.58     YES
L0111345         0   0.30333E-02  487123.6 3755229.8   539.1     2.50    27.35     0.58     YES
L0111346         0   0.30333E-02  487123.6 3755171.0   535.1     2.50    27.35     0.58     YES
L0111347         0   0.30333E-02  487123.6 3755112.2   532.2     2.50    27.35     0.58     YES
L0111348         0   0.37700E-02  487126.2 3755042.4   529.7     2.40    30.03     0.56     YES
L0111349         0   0.37700E-02  487126.5 3754977.8   531.8     2.40    30.03     0.56     YES
L0111350         0   0.37700E-02  487126.8 3754913.2   524.9     2.40    30.03     0.56     YES
L0111351         0   0.37700E-02  487127.0 3754848.7   523.2     2.40    30.03     0.56     YES
L0111352         0   0.37700E-02  487127.3 3754784.1   524.1     2.40    30.03     0.56     YES
L0111353         0   0.37700E-02  487127.6 3754719.5   520.9     2.40    30.03     0.56     YES
L0111354         0   0.37700E-02  487127.9 3754655.0   516.3     2.40    30.03     0.56     YES
L0111355         0   0.37700E-02  487128.2 3754590.4   514.4     2.40    30.03     0.56     YES
L0111356         0   0.37700E-02  487128.4 3754525.9   509.1     2.40    30.03     0.56     YES
L0111357         0   0.37700E-02  487128.7 3754461.3   506.8     2.40    30.03     0.56     YES
L0111358         0   0.83226E-03  487113.8 3754444.9   507.8     2.40    18.01     0.56     YES
L0111359         0   0.83226E-03  487075.0 3754445.3   511.3     2.40    18.01     0.56     YES
L0111360         0   0.83226E-03  487036.3 3754445.6   512.1     2.40    18.01     0.56     YES
L0111361         0   0.83226E-03  486997.6 3754445.9   512.1     2.40    18.01     0.56     YES
                                                                Page 20
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L0111362	0	0.83226E-03	486958.9	3754446.2	513.2	2.40	18.01	0.56	YES
L0111363	0	0.83226E-03	486920.1	3754446.6	514.0	2.40	18.01	0.56	YES
L0111364	0	0.83226E-03	486881.4	3754446.9	514.8	2.40	18.01	0.56	YES
L0111365	0	0.83226E-03	486842.7	3754447.2	515.9	2.40	18.01	0.56	YES
L0111366	0	0.83226E-03	486804.0	3754447.5	515.4	2.40	18.01	0.56	YES
L0111367	0	0.83226E-03	486765.3	3754447.9	516.1	2.40	18.01	0.56	YES
L0111368	0	0.83226E-03	486726.5	3754448.2	515.7	2.40	18.01	0.56	YES
L0111369	0	0.83226E-03	486687.8	3754448.5	514.3	2.40	18.01	0.56	YES
L0111370	0	0.83226E-03	486649.1	3754448.8	514.3	2.40	18.01	0.56	YES
L0111371	0	0.83226E-03	486610.4	3754449.2	514.9	2.40	18.01	0.56	YES
L0111372	0	0.83226E-03	486571.6	3754449.5	515.3	2.40	18.01	0.56	YES
L0111373	0	0.83226E-03	486532.9	3754449.8	514.6	2.40	18.01	0.56	YES
L0111374	0	0.83226E-03	486494.2	3754450.1	515.0	2.40	18.01	0.56	YES
L0111375	0	0.83226E-03	486455.5	3754450.5	514.5	2.40	18.01	0.56	YES
L0111376	0	0.83226E-03	486416.7	3754450.8	513.4	2.40	18.01	0.56	YES
L0111377	0	0.83226E-03	486378.0	3754451.1	513.4	2.40	18.01	0.56	YES
L0111378	0	0.83226E-03	486339.3	3754451.4	514.1	2.40	18.01	0.56	YES
L0111379	0	0.83226E-03	486300.6	3754451.8	515.0	2.40	18.01	0.56	YES
L0111380	0	0.83226E-03	486261.8	3754452.1	516.3	2.40	18.01	0.56	YES
L0111381	0	0.83226E-03	486223.1	3754452.4	516.8	2.40	18.01	0.56	YES

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111382	0	0.83226E-03	486184.7	3754451.5	514.9	2.40	18.01	0.56	YES	
L0111383	0	0.83226E-03	486151.5	3754431.5	512.5	2.40	18.01	0.56	YES	
L0111384	0	0.83226E-03	486118.3	3754411.6	510.2	2.40	18.01	0.56	YES	
L0111385	0	0.83226E-03	486085.1	3754391.7	509.3	2.40	18.01	0.56	YES	
L0111386	0	0.83226E-03	486051.9	3754371.8	509.0	2.40	18.01	0.56	YES	
L0111387	0	0.83226E-03	486030.1	3754341.3	509.3	2.40	18.01	0.56	YES	
L0111388	0	0.83226E-03	486012.8	3754306.6	509.9	2.40	18.01	0.56	YES	
L0111389	0	0.44000E-03	486005.7	3754293.4	510.6	2.40	17.72	0.56	YES	
L0111390	0	0.44000E-03	486005.3	3754255.3	509.5	2.40	17.72	0.56	YES	
L0111391	0	0.44000E-03	486004.9	3754217.2	507.6	2.40	17.72	0.56	YES	
L0111392	0	0.44000E-03	486004.6	3754179.1	507.9	2.40	17.72	0.56	YES	
L0111393	0	0.44000E-03	486004.2	3754141.1	508.0	2.40	17.72	0.56	YES	
L0111394	0	0.44000E-03	486003.8	3754103.0	506.8	2.40	17.72	0.56	YES	
L0111395	0	0.44000E-03	486003.4	3754064.9	506.3	2.40	17.72	0.56	YES	
L0111396	0	0.44000E-03	486003.1	3754026.8	505.2	2.40	17.72	0.56	YES	
L0111397	0	0.44000E-03	486002.7	3753988.7	505.0	2.40	17.72	0.56	YES	
L0111398	0	0.44000E-03	486002.3	3753950.6	504.1	2.40	17.72	0.56	YES	
L0111399	0	0.44000E-03	486001.9	3753912.5	503.4	2.40	17.72	0.56	YES	
L0111400	0	0.44000E-03	486001.5	3753874.4	502.2	2.40	17.72	0.56	YES	
L0111401	0	0.44000E-03	486001.2	3753836.3	500.9	2.40	17.72	0.56	YES	
L0111402	0	0.44000E-03	486000.8	3753798.2	499.6	2.40	17.72	0.56	YES	
L0111403	0	0.44000E-03	486000.4	3753760.2	499.7	2.40	17.72	0.56	YES	
L0111404	0	0.44000E-03	486000.0	3753722.1	501.9	2.40	17.72	0.56	YES	
L0111405	0	0.44000E-03	485999.6	3753684.0	501.6	2.40	17.72	0.56	YES	
L0111406	0	0.44000E-03	485999.3	3753645.9	499.0	2.40	17.72	0.56	YES	
L0111407	0	0.44000E-03	485998.9	3753607.8	496.5	2.40	17.72	0.56	YES	
L0111408	0	0.44000E-03	485998.5	3753569.7	496.0	2.40	17.72	0.56	YES	
L0111409	0	0.44000E-03	485998.1	3753531.6	496.5	2.40	17.72	0.56	YES	
L0111410	0	0.44000E-03	486006.9	3753496.0	495.3	2.40	17.72	0.56	YES	
L0111411	0	0.44000E-03	486026.7	3753463.5	492.8	2.40	17.72	0.56	YES	
L0111412	0	0.44000E-03	486046.5	3753431.0	491.4	2.40	17.72	0.56	YES	
L0111413	0	0.44000E-03	486066.3	3753398.4	492.3	2.40	17.72	0.56	YES	
L0111414	0	0.69048E-03	486083.6	3753385.4	493.6	2.30	24.05	0.53	YES	
L0111415	0	0.69048E-03	486132.0	3753367.1	494.7	2.30	24.05	0.53	YES	
L0111416	0	0.69048E-03	486182.6	3753360.8	493.9	2.30	24.05	0.53	YES	
L0111417	0	0.69048E-03	486234.3	3753360.1	492.2	2.30	24.05	0.53	YES	
L0111418	0	0.69048E-03	486286.0	3753359.4	493.5	2.30	24.05	0.53	YES	
L0111419	0	0.69048E-03	486337.7	3753358.7	494.0	2.30	24.05	0.53	YES	
L0111420	0	0.69048E-03	486389.4	3753358.0	493.9	2.30	24.05	0.53	YES	
L0111421	0	0.69048E-03	486441.1	3753357.4	497.5	2.30	24.05	0.53	YES	

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111422	0	0.69048E-03	486492.9	3753356.7	495.6	2.30	24.05	0.53	YES	
L0111423	0	0.69048E-03	486544.6	3753356.0	494.9	2.30	24.05	0.53	YES	
L0111424	0	0.69048E-03	486596.3	3753355.3	494.1	2.30	24.05	0.53	YES	
L0111425	0	0.69048E-03	486648.0	3753354.6	495.0	2.30	24.05	0.53	YES	
L0111426	0	0.69048E-03	486699.7	3753353.9	494.6	2.30	24.05	0.53	YES	
L0111427	0	0.69048E-03	486751.2	3753351.7	494.7	2.30	24.05	0.53	YES	
L0111428	0	0.69048E-03	486801.8	3753341.0	492.7	2.30	24.05	0.53	YES	
L0111429	0	0.69048E-03	486852.4	3753330.4	491.0	2.30	24.05	0.53	YES	
L0111430	0	0.69048E-03	486903.0	3753319.8	491.7	2.30	24.05	0.53	YES	
L0111431	0	0.69048E-03	486953.6	3753309.2	491.4	2.30	24.05	0.53	YES	
L0111432	0	0.69048E-03	487004.2	3753298.6	492.0	2.30	24.05	0.53	YES	
L0111433	0	0.69048E-03	487054.8	3753288.0	490.8	2.30	24.05	0.53	YES	
L0111434	0	0.69048E-03	487105.5	3753277.3	489.2	2.30	24.05	0.53	YES	
L0111435	0	0.15579E-02	487123.3	3754433.6	507.4	2.40	29.19	0.56	YES	
L0111436	0	0.15579E-02	487122.3	3754370.9	509.6	2.40	29.19	0.56	YES	
L0111437	0	0.15579E-02	487121.3	3754308.1	508.2	2.40	29.19	0.56	YES	
L0111438	0	0.15579E-02	487120.3	3754245.4	509.8	2.40	29.19	0.56	YES	
L0111439	0	0.15579E-02	487119.3	3754182.7	507.2	2.40	29.19	0.56	YES	

L0111440	0	0.15579E-02	487118.3	3754119.9	505.1	2.40	29.19	0.56	YES
L0111441	0	0.15579E-02	487117.3	3754057.2	504.8	2.40	29.19	0.56	YES
L0111442	0	0.15579E-02	487116.3	3753994.4	501.9	2.40	29.19	0.56	YES
L0111443	0	0.15579E-02	487115.3	3753931.7	501.0	2.40	29.19	0.56	YES
L0111444	0	0.15579E-02	487114.3	3753868.9	501.0	2.40	29.19	0.56	YES
L0111445	0	0.15579E-02	487113.4	3753806.2	496.9	2.40	29.19	0.56	YES
L0111446	0	0.15579E-02	487112.4	3753743.4	499.2	2.40	29.19	0.56	YES
L0111447	0	0.15579E-02	487111.4	3753680.7	498.7	2.40	29.19	0.56	YES
L0111448	0	0.15579E-02	487110.4	3753618.0	497.6	2.40	29.19	0.56	YES
L0111449	0	0.15579E-02	487109.4	3753555.2	496.0	2.40	29.19	0.56	YES
L0111450	0	0.15579E-02	487108.4	3753492.5	496.0	2.40	29.19	0.56	YES
L0111451	0	0.15579E-02	487107.4	3753429.7	494.7	2.40	29.19	0.56	YES
L0111452	0	0.15579E-02	487106.4	3753367.0	489.3	2.40	29.19	0.56	YES
L0111453	0	0.15579E-02	487105.4	3753304.2	489.1	2.40	29.19	0.56	YES
L0111454	0	0.14000E-02	487102.6	3753284.4	489.2	1.30	29.21	0.30	YES
L0111455	0	0.14000E-02	487102.9	3753221.6	489.6	1.30	29.21	0.30	YES
L0111456	0	0.14000E-02	487103.2	3753158.8	486.8	1.30	29.21	0.30	YES
L0111457	0	0.14000E-02	487103.5	3753096.1	485.8	1.30	29.21	0.30	YES
L0111458	0	0.14000E-02	487103.8	3753033.3	485.0	1.30	29.21	0.30	YES
L0111459	0	0.14000E-02	487104.2	3752970.5	487.0	1.30	29.21	0.30	YES
L0111460	0	0.14000E-02	487104.5	3752907.7	484.9	1.30	29.21	0.30	YES
L0111461	0	0.14000E-02	487104.8	3752844.9	483.2	1.30	29.21	0.30	YES

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111462	0	0.14000E-02	487105.1	3752782.1	483.7	1.30	29.21	0.30	YES	
L0111463	0	0.26300E-03	486069.9	3753383.9	492.7	1.60	18.01	0.37	YES	
L0111464	0	0.26300E-03	486053.5	3753348.8	491.3	1.60	18.01	0.37	YES	
L0111465	0	0.26300E-03	486037.1	3753313.7	490.5	1.60	18.01	0.37	YES	
L0111466	0	0.26300E-03	486020.7	3753278.6	490.3	1.60	18.01	0.37	YES	
L0111467	0	0.26300E-03	486004.3	3753243.5	490.0	1.60	18.01	0.37	YES	
L0111468	0	0.26300E-03	485987.9	3753208.5	489.6	1.60	18.01	0.37	YES	
L0111469	0	0.26300E-03	485979.1	3753171.6	489.0	1.60	18.01	0.37	YES	
L0111470	0	0.26300E-03	485978.3	3753132.9	488.1	1.60	18.01	0.37	YES	
L0111471	0	0.26300E-03	485977.4	3753094.2	488.2	1.60	18.01	0.37	YES	
L0111472	0	0.26300E-03	485976.6	3753055.4	489.4	1.60	18.01	0.37	YES	
L0111473	0	0.26300E-03	485975.7	3753016.7	490.1	1.60	18.01	0.37	YES	
L0111474	0	0.26300E-03	485974.9	3752978.0	490.0	1.60	18.01	0.37	YES	
L0111475	0	0.26300E-03	485974.0	3752939.3	489.0	1.60	18.01	0.37	YES	
L0111476	0	0.26300E-03	485973.2	3752900.6	489.0	1.60	18.01	0.37	YES	
L0111477	0	0.26300E-03	485972.3	3752861.8	489.0	1.60	18.01	0.37	YES	
L0111478	0	0.26300E-03	485971.5	3752823.1	489.0	1.60	18.01	0.37	YES	
L0111479	0	0.26300E-03	485970.6	3752784.4	488.8	1.60	18.01	0.37	YES	
L0111480	0	0.26300E-03	485969.8	3752745.7	487.0	1.60	18.01	0.37	YES	
L0111481	0	0.26300E-03	485968.9	3752707.0	485.2	1.60	18.01	0.37	YES	
L0111482	0	0.26300E-03	485968.1	3752668.2	486.2	1.60	18.01	0.37	YES	
L0111483	0	0.26300E-03	485967.2	3752629.5	488.8	1.60	18.01	0.37	YES	
L0111484	0	0.26300E-03	485966.4	3752590.8	490.1	1.60	18.01	0.37	YES	
L0111485	0	0.26300E-03	485965.5	3752552.1	495.2	1.60	18.01	0.37	YES	
L0111486	0	0.26300E-03	485964.7	3752513.4	496.4	1.60	18.01	0.37	YES	
L0111487	0	0.26300E-03	485963.8	3752474.7	496.1	1.60	18.01	0.37	YES	
L0111488	0	0.26300E-03	485963.0	3752435.9	496.4	1.60	18.01	0.37	YES	
L0111489	0	0.26300E-03	485962.1	3752397.2	498.8	1.60	18.01	0.37	YES	
L0111490	0	0.26300E-03	485961.3	3752358.5	500.1	1.60	18.01	0.37	YES	
L0111491	0	0.26300E-03	485960.4	3752319.8	500.7	1.60	18.01	0.37	YES	
L0111492	0	0.26300E-03	485959.6	3752281.1	501.9	1.60	18.01	0.37	YES	
L0111493	0	-.32500E-04	485510.8	3754267.3	514.2	1.00	15.74	0.23	YES	
L0111494	0	-.32500E-04	485510.8	3754233.4	512.2	1.00	15.74	0.23	YES	
L0111495	0	-.32500E-04	485510.8	3754199.6	512.1	1.00	15.74	0.23	YES	
L0111496	0	-.32500E-04	485510.7	3754165.8	512.7	1.00	15.74	0.23	YES	
L0111497	0	-.32500E-04	485510.7	3754131.9	512.2	1.00	15.74	0.23	YES	
L0111498	0	-.32500E-04	485510.7	3754098.1	510.5	1.00	15.74	0.23	YES	
L0111499	0	-.32500E-04	485510.6	3754064.2	508.4	1.00	15.74	0.23	YES	
L0111500	0	-.32500E-04	485510.6	3754030.4	506.5	1.00	15.74	0.23	YES	
L0111501	0	-.32500E-04	485510.5	3753996.6	505.5	1.00	15.74	0.23	YES	

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

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L0111502	0	-.32500E-04	485510.5	3753962.7	505.3	1.00	15.74	0.23	YES	
L0111503	0	-.32500E-04	485510.5	3753928.9	504.3	1.00	15.74	0.23	YES	
L0111504	0	-.32500E-04	485510.4	3753895.1	502.5	1.00	15.74	0.23	YES	
L0111505	0	-.32500E-04	485510.4	3753861.2	501.8	1.00	15.74	0.23	YES	
L0111506	0	-.32500E-04	485510.4	3753827.4	501.9	1.00	15.74	0.23	YES	
L0111507	0	-.32500E-04	485510.3	3753793.6	502.2	1.00	15.74	0.23	YES	
L0111508	0	-.32500E-04	485510.3	3753759.7	504.4	1.00	15.74	0.23	YES	
L0111509	0	-.32500E-04	485510.3	3753725.9	505.0	1.00	15.74	0.23	YES	
L0111510	0	-.32500E-04	485510.2	3753692.0	505.0	1.00	15.74	0.23	YES	
L0111511	0	-.32500E-04	485510.2	3753658.2	502.6	1.00	15.74	0.23	YES	
L0111512	0	-.32500E-04	485510.1	3753624.4	500.4	1.00	15.74	0.23	YES	
L0111513	0	-.32500E-04	485510.1	3753590.5	499.4	1.00	15.74	0.23	YES	
L0111514	0	-.32500E-04	485510.1	3753556.7	500.0	1.00	15.74	0.23	YES	
L0111515	0	-.32500E-04	485510.0	3753522.9	499.8	1.00	15.74	0.23	YES	
L0111516	0	-.32500E-04	485510.0	3753489.0	498.4	1.00	15.74	0.23	YES	
L0111517	0	-.32500E-04	485510.0	3753455.2	498.0	1.00	15.74	0.23	YES	

L0111518	0	-.32500E-04	485509.9	3753421.4	498.0	1.00	15.74	0.23	YES
L0111519	0	-.32500E-04	485509.9	3753387.5	497.3	1.00	15.74	0.23	YES
L0111520	0	-.32500E-04	485509.8	3753353.7	496.8	1.00	15.74	0.23	YES
L0111521	0	-.32500E-04	485509.8	3753319.8	495.6	1.00	15.74	0.23	YES
L0111522	0	-.32500E-04	485509.8	3753286.0	494.2	1.00	15.74	0.23	YES
L0111523	0	-.32500E-04	485509.7	3753252.2	493.9	1.00	15.74	0.23	YES
L0111524	0	-.32500E-04	485509.7	3753218.3	494.7	1.00	15.74	0.23	YES
L0111525	0	-.32500E-04	485509.7	3753184.5	494.2	1.00	15.74	0.23	YES
L0111526	0	-.32500E-04	485509.6	3753150.7	491.7	1.00	15.74	0.23	YES
L0111527	0	-.32500E-04	485509.6	3753116.8	490.8	1.00	15.74	0.23	YES
L0111528	0	-.32500E-04	485509.6	3753083.0	491.6	1.00	15.74	0.23	YES
L0111529	0	0.11320E-03	485533.3	3755083.2	531.2	1.20	15.63	0.28	YES
L0111530	0	0.11320E-03	485532.5	3755049.6	528.8	1.20	15.63	0.28	YES
L0111531	0	0.11320E-03	485531.8	3755016.0	528.2	1.20	15.63	0.28	YES
L0111532	0	0.11320E-03	485531.1	3754982.4	528.0	1.20	15.63	0.28	YES
L0111533	0	0.11320E-03	485530.4	3754948.8	526.6	1.20	15.63	0.28	YES
L0111534	0	0.11320E-03	485529.7	3754915.2	525.4	1.20	15.63	0.28	YES
L0111535	0	0.11320E-03	485528.9	3754881.6	522.9	1.20	15.63	0.28	YES
L0111536	0	0.11320E-03	485528.2	3754848.0	520.4	1.20	15.63	0.28	YES
L0111537	0	0.11320E-03	485527.5	3754814.4	523.2	1.20	15.63	0.28	YES
L0111538	0	0.11320E-03	485526.8	3754780.8	526.0	1.20	15.63	0.28	YES
L0111539	0	0.11320E-03	485526.0	3754747.2	526.7	1.20	15.63	0.28	YES
L0111540	0	0.11320E-03	485525.3	3754713.6	524.2	1.20	15.63	0.28	YES
L0111541	0	0.11320E-03	485524.6	3754680.1	521.8	1.20	15.63	0.28	YES

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L0111542	0	0.11320E-03	485523.9	3754646.5	521.8	1.20	15.63	0.28	YES	
L0111543	0	0.11320E-03	485523.2	3754612.9	522.1	1.20	15.63	0.28	YES	
L0111544	0	0.11320E-03	485522.4	3754579.3	522.2	1.20	15.63	0.28	YES	
L0111545	0	0.11320E-03	485521.7	3754545.7	519.1	1.20	15.63	0.28	YES	
L0111546	0	0.11320E-03	485521.0	3754512.1	515.2	1.20	15.63	0.28	YES	
L0111547	0	0.11320E-03	485520.3	3754478.5	514.7	1.20	15.63	0.28	YES	
L0111548	0	0.11320E-03	485519.5	3754444.9	516.7	1.20	15.63	0.28	YES	
L0111549	0	0.11320E-03	485518.8	3754411.3	517.0	1.20	15.63	0.28	YES	
L0111550	0	0.11320E-03	485518.1	3754377.7	516.0	1.20	15.63	0.28	YES	
L0111551	0	0.11320E-03	485517.4	3754344.1	515.1	1.20	15.63	0.28	YES	
L0111552	0	0.11320E-03	485516.7	3754310.5	515.0	1.20	15.63	0.28	YES	
L0111553	0	0.11320E-03	485515.9	3754276.9	514.6	1.20	15.63	0.28	YES	
L0111554	0	0.31056E-03	485516.8	3755054.2	529.9	2.20	23.83	0.51	YES	
L0111555	0	0.31056E-03	485568.1	3755054.0	528.6	2.20	23.83	0.51	YES	
L0111556	0	0.31056E-03	485619.3	3755053.8	530.8	2.20	23.83	0.51	YES	
L0111557	0	0.31056E-03	485670.5	3755053.6	532.5	2.20	23.83	0.51	YES	
L0111558	0	0.31056E-03	485721.7	3755053.4	534.2	2.20	23.83	0.51	YES	
L0111559	0	0.31056E-03	485773.0	3755053.2	531.1	2.20	23.83	0.51	YES	
L0111560	0	0.31056E-03	485824.2	3755053.0	529.5	2.20	23.83	0.51	YES	
L0111561	0	0.31056E-03	485875.4	3755052.8	529.8	2.20	23.83	0.51	YES	
L0111562	0	0.31056E-03	485926.7	3755052.6	530.9	2.20	23.83	0.51	YES	
L0111563	0	0.31056E-03	485977.9	3755052.4	529.7	2.20	23.83	0.51	YES	
L0111564	0	0.31056E-03	486029.1	3755052.2	529.4	2.20	23.83	0.51	YES	
L0111565	0	0.31056E-03	486080.4	3755052.0	529.5	2.20	23.83	0.51	YES	
L0111566	0	0.31056E-03	486131.6	3755051.8	529.5	2.20	23.83	0.51	YES	
L0111567	0	0.31056E-03	486182.8	3755051.6	530.3	2.20	23.83	0.51	YES	
L0111568	0	0.31056E-03	486234.0	3755051.3	527.4	2.20	23.83	0.51	YES	
L0111569	0	0.31056E-03	486285.3	3755051.1	527.0	2.20	23.83	0.51	YES	
L0111570	0	0.31056E-03	486336.5	3755050.9	526.5	2.20	23.83	0.51	YES	
L0111571	0	0.31056E-03	486387.7	3755050.7	527.3	2.20	23.83	0.51	YES	
L0111572	0	0.23933E-03	486398.6	3755051.8	528.1	2.50	23.51	0.58	YES	
L0111573	0	0.23933E-03	486449.1	3755051.3	531.3	2.50	23.51	0.58	YES	
L0111574	0	0.23933E-03	486499.7	3755050.8	529.7	2.50	23.51	0.58	YES	
L0111575	0	0.23933E-03	486550.2	3755050.4	528.0	2.50	23.51	0.58	YES	
L0111576	0	0.23933E-03	486600.7	3755049.9	527.0	2.50	23.51	0.58	YES	
L0111577	0	0.23933E-03	486651.3	3755049.4	527.3	2.50	23.51	0.58	YES	
L0111578	0	0.23933E-03	486701.8	3755049.0	529.1	2.50	23.51	0.58	YES	
L0111579	0	0.23933E-03	486752.4	3755048.5	530.3	2.50	23.51	0.58	YES	
L0111580	0	0.23933E-03	486802.9	3755048.1	529.2	2.50	23.51	0.58	YES	
L0111581	0	0.23933E-03	486853.5	3755047.6	526.5	2.50	23.51	0.58	YES	

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L0111582	0	0.23933E-03	486904.0	3755047.1	529.4	2.50	23.51	0.58	YES	
L0111583	0	0.23933E-03	486954.6	3755046.7	527.6	2.50	23.51	0.58	YES	
L0111584	0	0.23933E-03	487005.1	3755046.2	526.3	2.50	23.51	0.58	YES	
L0111585	0	0.23933E-03	487055.7	3755045.8	527.0	2.50	23.51	0.58	YES	
L0111586	0	0.23933E-03	487106.2	3755045.3	527.9	2.50	23.51	0.58	YES	
L0111587	0	0.14188E-03	487151.1	3755042.2	530.6	2.30	23.38	0.53	YES	
L0111588	0	0.14188E-03	487201.3	3755039.4	528.0	2.30	23.38	0.53	YES	
L0111589	0	0.14188E-03	487251.5	3755036.7	528.5	2.30	23.38	0.53	YES	
L0111590	0	0.14188E-03	487301.7	3755033.9	528.6	2.30	23.38	0.53	YES	
L0111591	0	0.14188E-03	487351.3	3755025.8	526.0	2.30	23.38	0.53	YES	
L0111592	0	0.14188E-03	487400.9	3755017.8	524.6	2.30	23.38	0.53	YES	
L0111593	0	0.14188E-03	487450.5	3755009.8	524.4	2.30	23.38	0.53	YES	
L0111594	0	0.14188E-03	487500.1	3755001.7	526.0	2.30	23.38	0.53	YES	
L0111595	0	0.14188E-03	487549.9	3754996.4	528.3	2.30	23.38	0.53	YES	

L0111596	0	0.14188E-03	487600.2	3754997.7	529.2	2.30	23.38	0.53	YES
L0111597	0	0.14188E-03	487650.4	3754999.0	526.2	2.30	23.38	0.53	YES
L0111598	0	0.14188E-03	487700.6	3755000.3	523.0	2.30	23.38	0.53	YES
L0111599	0	0.14188E-03	487749.5	3754990.1	522.3	2.30	23.38	0.53	YES
L0111600	0	0.14188E-03	487798.0	3754976.9	523.3	2.30	23.38	0.53	YES
L0111601	0	0.14188E-03	487846.5	3754963.7	524.1	2.30	23.38	0.53	YES
L0111602	0	0.14188E-03	487895.0	3754950.4	525.8	2.30	23.38	0.53	YES
L0111603	0	0.46462E-04	487919.9	3754938.9	524.6	2.20	24.10	0.51	YES
L0111604	0	0.46462E-04	487964.8	3754913.0	521.9	2.20	24.10	0.51	YES
L0111605	0	0.46462E-04	488009.7	3754887.1	519.8	2.20	24.10	0.51	YES
L0111606	0	0.46462E-04	488053.4	3754859.6	519.4	2.20	24.10	0.51	YES
L0111607	0	0.46462E-04	488094.9	3754828.5	519.2	2.20	24.10	0.51	YES
L0111608	0	0.46462E-04	488136.3	3754797.4	520.5	2.20	24.10	0.51	YES
L0111609	0	0.46462E-04	488178.6	3754767.9	521.2	2.20	24.10	0.51	YES
L0111610	0	0.46462E-04	488228.5	3754753.9	522.9	2.20	24.10	0.51	YES
L0111611	0	0.46462E-04	488278.4	3754739.9	523.0	2.20	24.10	0.51	YES
L0111612	0	0.46462E-04	488329.2	3754731.6	521.5	2.20	24.10	0.51	YES
L0111613	0	0.46462E-04	488380.9	3754728.1	523.9	2.20	24.10	0.51	YES
L0111614	0	0.46462E-04	488432.6	3754724.6	528.0	2.20	24.10	0.51	YES
L0111615	0	0.46462E-04	488484.3	3754721.0	524.8	2.20	24.10	0.51	YES
L0111616	0	0.28889E-03	487131.3	3754448.5	506.6	2.40	17.64	0.56	YES
L0111617	0	0.28889E-03	487169.2	3754446.5	506.0	2.40	17.64	0.56	YES
L0111618	0	0.28889E-03	487207.0	3754444.4	508.1	2.40	17.64	0.56	YES
L0111619	0	0.28889E-03	487244.9	3754442.4	509.1	2.40	17.64	0.56	YES
L0111620	0	0.28889E-03	487282.8	3754440.4	509.8	2.40	17.64	0.56	YES
L0111621	0	0.28889E-03	487320.7	3754438.4	509.1	2.40	17.64	0.56	YES

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L0111622	0	0.28889E-03	487358.6	3754436.4	509.4	2.40	17.64	0.56	YES	
L0111623	0	0.28889E-03	487396.4	3754434.4	510.4	2.40	17.64	0.56	YES	
L0111624	0	0.28889E-03	487434.3	3754432.4	509.9	2.40	17.64	0.56	YES	
L0111625	0	0.28889E-03	487472.2	3754430.4	509.4	2.40	17.64	0.56	YES	
L0111626	0	0.28889E-03	487510.1	3754428.3	509.9	2.40	17.64	0.56	YES	
L0111627	0	0.28889E-03	487547.9	3754426.3	510.2	2.40	17.64	0.56	YES	
L0111628	0	0.28889E-03	487585.8	3754424.5	509.6	2.40	17.64	0.56	YES	
L0111629	0	0.28889E-03	487623.7	3754425.8	510.1	2.40	17.64	0.56	YES	
L0111630	0	0.28889E-03	487661.6	3754427.1	510.7	2.40	17.64	0.56	YES	
L0111631	0	0.28889E-03	487699.6	3754428.4	510.4	2.40	17.64	0.56	YES	
L0111632	0	0.28889E-03	487736.7	3754435.0	510.8	2.40	17.64	0.56	YES	
L0111633	0	0.28889E-03	487773.2	3754445.1	510.4	2.40	17.64	0.56	YES	
L0111634	0	0.28889E-03	487810.3	3754451.0	509.9	2.40	17.64	0.56	YES	
L0111635	0	0.28889E-03	487848.2	3754450.3	509.8	2.40	17.64	0.56	YES	
L0111636	0	0.28889E-03	487886.1	3754449.6	508.5	2.40	17.64	0.56	YES	
L0111637	0	0.28889E-03	487924.1	3754449.0	507.7	2.40	17.64	0.56	YES	
L0111638	0	0.28889E-03	487962.0	3754448.3	508.4	2.40	17.64	0.56	YES	
L0111639	0	0.28889E-03	487999.9	3754447.6	509.0	2.40	17.64	0.56	YES	
L0111640	0	0.28889E-03	488037.8	3754447.0	508.1	2.40	17.64	0.56	YES	
L0111641	0	0.28889E-03	488075.8	3754446.3	507.2	2.40	17.64	0.56	YES	
L0111642	0	0.28889E-03	488113.7	3754445.6	508.2	2.40	17.64	0.56	YES	
L0111643	0	0.28889E-03	488151.6	3754445.0	508.3	2.40	17.64	0.56	YES	
L0111644	0	0.28889E-03	488189.5	3754444.3	509.3	2.40	17.64	0.56	YES	
L0111645	0	0.28889E-03	488227.5	3754443.6	510.4	2.40	17.64	0.56	YES	
L0111646	0	0.28889E-03	488265.4	3754443.0	510.7	2.40	17.64	0.56	YES	
L0111647	0	0.28889E-03	488303.3	3754442.3	510.9	2.40	17.64	0.56	YES	
L0111648	0	0.28889E-03	488333.9	3754420.0	509.3	2.40	17.64	0.56	YES	
L0111649	0	0.28889E-03	488364.4	3754397.4	506.5	2.40	17.64	0.56	YES	
L0111650	0	0.28889E-03	488394.8	3754374.8	504.5	2.40	17.64	0.56	YES	
L0111651	0	0.28889E-03	488425.3	3754352.2	505.0	2.40	17.64	0.56	YES	
L0111652	0	0.47500E-04	488434.4	3754340.7	505.3	1.80	18.04	0.42	YES	
L0111653	0	0.47500E-04	488457.1	3754309.3	506.0	1.80	18.04	0.42	YES	
L0111654	0	0.47500E-04	488457.7	3754270.7	506.0	1.80	18.04	0.42	YES	
L0111655	0	0.47500E-04	488457.7	3754231.9	505.1	1.80	18.04	0.42	YES	
L0111656	0	0.47500E-04	488457.7	3754193.1	501.0	1.80	18.04	0.42	YES	
L0111657	0	0.47500E-04	488457.7	3754154.3	501.5	1.80	18.04	0.42	YES	
L0111658	0	0.47500E-04	488457.7	3754115.5	503.6	1.80	18.04	0.42	YES	
L0111659	0	0.47500E-04	488457.7	3754076.8	502.9	1.80	18.04	0.42	YES	
L0111660	0	0.47500E-04	488457.7	3754038.0	502.0	1.80	18.04	0.42	YES	
L0111661	0	0.47500E-04	488457.7	3753999.2	502.0	1.80	18.04	0.42	YES	

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L0111662	0	0.47500E-04	488457.7	3753960.4	502.0	1.80	18.04	0.42	YES	
L0111663	0	0.47500E-04	488457.7	3753921.6	500.4	1.80	18.04	0.42	YES	
L0111664	0	0.47500E-04	488457.7	3753882.8	498.4	1.80	18.04	0.42	YES	
L0111665	0	0.47500E-04	488457.7	3753844.0	497.1	1.80	18.04	0.42	YES	
L0111666	0	0.47500E-04	488457.7	3753805.3	496.8	1.80	18.04	0.42	YES	
L0111667	0	0.47500E-04	488457.7	3753766.5	496.0	1.80	18.04	0.42	YES	
L0111668	0	0.47500E-04	488457.7	3753727.7	495.3	1.80	18.04	0.42	YES	
L0111669	0	0.47500E-04	488457.7	3753688.9	493.9	1.80	18.04	0.42	YES	
L0111670	0	0.47500E-04	488457.7	3753650.1	491.0	1.80	18.04	0.42	YES	
L0111671	0	0.47500E-04	488457.7	3753611.3	488.4	1.80	18.04	0.42	YES	
L0111672	0	0.47500E-04	488457.7	3753572.6	488.0	1.80	18.04	0.42	YES	
L0111673	0	0.47500E-04	488457.7	3753533.8	488.0	1.80	18.04	0.42	YES	

L0111674	0	0.47500E-04	488457.7	3753495.0	488.0	1.80	18.04	0.42	YES
L0111675	0	0.47500E-04	488457.7	3753456.2	487.2	1.80	18.04	0.42	YES
L0111676	0	0.47500E-04	488457.7	3753417.4	485.9	1.80	18.04	0.42	YES
L0111677	0	0.47500E-04	488457.7	3753378.6	485.4	1.80	18.04	0.42	YES
L0111678	0	0.47500E-04	488457.7	3753339.9	484.0	1.80	18.04	0.42	YES
L0111679	0	0.47500E-04	488457.7	3753301.1	482.0	1.80	18.04	0.42	YES
L0111680	0	0.76429E-03	487111.6	3753293.9	488.9	2.30	22.81	0.53	YES
L0111681	0	0.76429E-03	487160.6	3753293.6	488.0	2.30	22.81	0.53	YES
L0111682	0	0.76429E-03	487209.6	3753293.2	486.3	2.30	22.81	0.53	YES
L0111683	0	0.76429E-03	487258.7	3753292.8	484.5	2.30	22.81	0.53	YES
L0111684	0	0.76429E-03	487307.7	3753292.4	486.8	2.30	22.81	0.53	YES
L0111685	0	0.76429E-03	487356.7	3753292.1	488.3	2.30	22.81	0.53	YES
L0111686	0	0.76429E-03	487405.8	3753291.7	488.6	2.30	22.81	0.53	YES
L0111687	0	0.76429E-03	487454.8	3753291.3	487.2	2.30	22.81	0.53	YES
L0111688	0	0.76429E-03	487503.8	3753291.0	486.4	2.30	22.81	0.53	YES
L0111689	0	0.76429E-03	487552.9	3753290.6	487.3	2.30	22.81	0.53	YES
L0111690	0	0.76429E-03	487601.9	3753290.2	486.6	2.30	22.81	0.53	YES
L0111691	0	0.76429E-03	487650.9	3753289.8	486.2	2.30	22.81	0.53	YES
L0111692	0	0.76429E-03	487700.0	3753289.5	482.3	2.30	22.81	0.53	YES
L0111693	0	0.76429E-03	487749.0	3753289.1	483.1	2.30	22.81	0.53	YES
L0111694	0	0.85714E-03	487765.1	3753289.0	484.0	2.30	24.24	0.53	YES
L0111695	0	0.85714E-03	487817.3	3753289.0	485.3	2.30	24.24	0.53	YES
L0111696	0	0.85714E-03	487869.4	3753289.0	483.2	2.30	24.24	0.53	YES
L0111697	0	0.85714E-03	487921.5	3753289.0	483.0	2.30	24.24	0.53	YES
L0111698	0	0.85714E-03	487973.6	3753289.0	484.8	2.30	24.24	0.53	YES
L0111699	0	0.85714E-03	488025.8	3753289.0	485.6	2.30	24.24	0.53	YES
L0111700	0	0.85714E-03	488077.9	3753289.0	485.4	2.30	24.24	0.53	YES
L0111701	0	0.85714E-03	488130.0	3753289.0	485.6	2.30	24.24	0.53	YES

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111702	0	0.85714E-03	488182.1	3753289.0	485.6	2.30	24.24	0.53	YES	
L0111703	0	0.85714E-03	488234.2	3753289.0	486.3	2.30	24.24	0.53	YES	
L0111704	0	0.85714E-03	488286.4	3753289.0	484.9	2.30	24.24	0.53	YES	
L0111705	0	0.85714E-03	488338.5	3753289.0	484.4	2.30	24.24	0.53	YES	
L0111706	0	0.85714E-03	488390.6	3753289.0	484.6	2.30	24.24	0.53	YES	
L0111707	0	0.85714E-03	488442.7	3753289.0	483.3	2.30	24.24	0.53	YES	
L0111708	0	0.16583E-02	488445.9	3753289.3	481.6	1.30	18.10	0.30	YES	
L0111709	0	0.16583E-02	488446.3	3753250.4	481.0	1.30	18.10	0.30	YES	
L0111710	0	0.16583E-02	488446.8	3753211.5	480.1	1.30	18.10	0.30	YES	
L0111711	0	0.16583E-02	488447.2	3753172.6	479.0	1.30	18.10	0.30	YES	
L0111712	0	0.16583E-02	488447.7	3753133.7	478.5	1.30	18.10	0.30	YES	
L0111713	0	0.16583E-02	488448.1	3753094.8	478.0	1.30	18.10	0.30	YES	
L0111714	0	0.16583E-02	488448.5	3753055.9	477.0	1.30	18.10	0.30	YES	
L0111715	0	0.16583E-02	488449.0	3753017.0	477.0	1.30	18.10	0.30	YES	
L0111716	0	0.16583E-02	488449.4	3752978.1	477.7	1.30	18.10	0.30	YES	
L0111717	0	0.16583E-02	488449.8	3752939.2	479.0	1.30	18.10	0.30	YES	
L0111718	0	0.16583E-02	488450.3	3752900.3	478.0	1.30	18.10	0.30	YES	
L0111719	0	0.16583E-02	488450.7	3752861.4	478.0	1.30	18.10	0.30	YES	
L0111720	0	0.30724E-03	488463.9	3753299.0	481.8	2.10	23.53	0.49	YES	
L0111721	0	0.30724E-03	488514.5	3753298.8	480.9	2.10	23.53	0.49	YES	
L0111722	0	0.30724E-03	488565.1	3753298.7	482.3	2.10	23.53	0.49	YES	
L0111723	0	0.30724E-03	488615.7	3753298.5	484.1	2.10	23.53	0.49	YES	
L0111724	0	0.30724E-03	488666.3	3753298.3	483.2	2.10	23.53	0.49	YES	
L0111725	0	0.30724E-03	488716.9	3753298.1	482.0	2.10	23.53	0.49	YES	
L0111726	0	0.30724E-03	488767.5	3753298.0	482.1	2.10	23.53	0.49	YES	
L0111727	0	0.30724E-03	488818.1	3753297.8	481.1	2.10	23.53	0.49	YES	
L0111728	0	0.30724E-03	488868.7	3753297.6	482.1	2.10	23.53	0.49	YES	
L0111729	0	0.30724E-03	488919.3	3753297.4	483.4	2.10	23.53	0.49	YES	
L0111730	0	0.30724E-03	488969.9	3753297.3	485.9	2.10	23.53	0.49	YES	
L0111731	0	0.30724E-03	489020.5	3753297.1	484.2	2.10	23.53	0.49	YES	
L0111732	0	0.30724E-03	489071.1	3753296.9	484.8	2.10	23.53	0.49	YES	
L0111733	0	0.30724E-03	489121.6	3753296.7	484.9	2.10	23.53	0.49	YES	
L0111734	0	0.30724E-03	489172.2	3753296.5	486.5	2.10	23.53	0.49	YES	
L0111735	0	0.30724E-03	489222.8	3753296.4	491.6	2.10	23.53	0.49	YES	
L0111736	0	0.30724E-03	489273.4	3753296.2	494.4	2.10	23.53	0.49	YES	
L0111737	0	0.30724E-03	489324.0	3753296.0	490.5	2.10	23.53	0.49	YES	
L0111738	0	0.30724E-03	489374.6	3753295.8	489.1	2.10	23.53	0.49	YES	
L0111739	0	0.30724E-03	489425.2	3753295.7	490.3	2.10	23.53	0.49	YES	
L0111740	0	0.30724E-03	489475.8	3753295.5	490.2	2.10	23.53	0.49	YES	
L0111741	0	0.30724E-03	489526.4	3753295.3	490.5	2.10	23.53	0.49	YES	

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L0111742	0	0.30724E-03	489577.0	3753295.1	493.0	2.10	23.53	0.49	YES	
L0111743	0	0.30724E-03	489627.6	3753295.0	493.4	2.10	23.53	0.49	YES	
L0111744	0	0.30724E-03	489678.2	3753294.8	495.6	2.10	23.53	0.49	YES	
L0111745	0	0.30724E-03	489728.8	3753294.6	496.8	2.10	23.53	0.49	YES	
L0111746	0	0.30724E-03	489779.4	3753294.4	493.4	2.10	23.53	0.49	YES	
L0111747	0	0.30724E-03	489830.0	3753294.3	489.2	2.10	23.53	0.49	YES	
L0111748	0	0.30724E-03	489880.6	3753294.1	491.6	2.10	23.53	0.49	YES	
L0111749	0	0.59000E-03	489900.7	3753294.2	492.8	2.30	22.24	0.53	YES	
L0111750	0	0.59000E-03	489944.6	3753313.0	493.7	2.30	22.24	0.53	YES	
L0111751	0	0.59000E-03	489983.0	3753340.6	494.3	2.30	22.24	0.53	YES	

L0111752	0	0.59000E-03	490018.7	3753372.4	497.3	2.30	22.24	0.53	YES
L0111753	0	0.59000E-03	490054.3	3753404.3	500.6	2.30	22.24	0.53	YES
L0111754	0	0.59000E-03	490090.0	3753436.1	502.5	2.30	22.24	0.53	YES
L0111755	0	0.12385E-02	489898.8	3753280.5	492.3	1.30	15.51	0.30	YES
L0111756	0	0.12385E-02	489899.2	3753247.1	490.4	1.30	15.51	0.30	YES
L0111757	0	0.12385E-02	489899.6	3753213.8	488.2	1.30	15.51	0.30	YES
L0111758	0	0.12385E-02	489900.0	3753180.4	487.0	1.30	15.51	0.30	YES
L0111759	0	0.12385E-02	489900.4	3753147.1	488.3	1.30	15.51	0.30	YES
L0111760	0	0.12385E-02	489900.8	3753113.7	491.0	1.30	15.51	0.30	YES
L0111761	0	0.12385E-02	489901.2	3753080.4	490.6	1.30	15.51	0.30	YES
L0111762	0	0.12385E-02	489901.6	3753047.0	489.0	1.30	15.51	0.30	YES
L0111763	0	0.12385E-02	489902.0	3753013.7	487.3	1.30	15.51	0.30	YES
L0111764	0	0.12385E-02	489902.4	3752980.3	486.2	1.30	15.51	0.30	YES
L0111765	0	0.12385E-02	489902.8	3752947.0	484.6	1.30	15.51	0.30	YES
L0111766	0	0.12385E-02	489903.2	3752913.6	482.5	1.30	15.51	0.30	YES
L0111767	0	0.12385E-02	489903.6	3752880.3	480.4	1.30	15.51	0.30	YES
L0111768	0	0.92727E-03	489917.3	3752867.0	481.7	1.30	15.35	0.30	YES
L0111769	0	0.92727E-03	489950.3	3752867.9	483.0	1.30	15.35	0.30	YES
L0111770	0	0.92727E-03	489983.2	3752868.9	484.0	1.30	15.35	0.30	YES
L0111771	0	0.92727E-03	490016.2	3752869.8	484.9	1.30	15.35	0.30	YES
L0111772	0	0.92727E-03	490049.2	3752870.8	486.1	1.30	15.35	0.30	YES
L0111773	0	0.92727E-03	490082.2	3752871.7	485.7	1.30	15.35	0.30	YES
L0111774	0	0.92727E-03	490115.2	3752872.7	485.9	1.30	15.35	0.30	YES
L0111775	0	0.92727E-03	490148.1	3752873.7	486.6	1.30	15.35	0.30	YES
L0111776	0	0.92727E-03	490181.1	3752874.6	486.0	1.30	15.35	0.30	YES
L0111777	0	0.92727E-03	490214.1	3752875.6	484.1	1.30	15.35	0.30	YES
L0111778	0	0.92727E-03	490247.1	3752876.5	482.6	1.30	15.35	0.30	YES
L0111779	0	0.14045E-03	488454.3	3752857.1	478.0	1.60	15.60	0.37	YES
L0111780	0	0.14045E-03	488487.8	3752858.9	478.7	1.60	15.60	0.37	YES
L0111781	0	0.14045E-03	488521.3	3752860.6	477.6	1.60	15.60	0.37	YES

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L0111782	0	0.14045E-03	488554.8	3752862.3	475.5	1.60	15.60	0.37	YES	
L0111783	0	0.14045E-03	488588.3	3752864.1	475.3	1.60	15.60	0.37	YES	
L0111784	0	0.14045E-03	488621.7	3752865.8	476.6	1.60	15.60	0.37	YES	
L0111785	0	0.14045E-03	488655.2	3752867.6	478.0	1.60	15.60	0.37	YES	
L0111786	0	0.14045E-03	488688.7	3752869.3	478.5	1.60	15.60	0.37	YES	
L0111787	0	0.14045E-03	488722.2	3752871.1	477.6	1.60	15.60	0.37	YES	
L0111788	0	0.14045E-03	488755.7	3752872.8	477.4	1.60	15.60	0.37	YES	
L0111789	0	0.14045E-03	488789.2	3752874.6	478.3	1.60	15.60	0.37	YES	
L0111790	0	0.14045E-03	488822.6	3752876.3	478.2	1.60	15.60	0.37	YES	
L0111791	0	0.14045E-03	488856.1	3752878.1	478.1	1.60	15.60	0.37	YES	
L0111792	0	0.14045E-03	488889.6	3752879.8	478.0	1.60	15.60	0.37	YES	
L0111793	0	0.14045E-03	488923.1	3752881.6	477.7	1.60	15.60	0.37	YES	
L0111794	0	0.14045E-03	488956.6	3752883.3	478.2	1.60	15.60	0.37	YES	
L0111795	0	0.14045E-03	488990.1	3752885.1	479.7	1.60	15.60	0.37	YES	
L0111796	0	0.14045E-03	489023.5	3752886.8	481.4	1.60	15.60	0.37	YES	
L0111797	0	0.14045E-03	489057.1	3752886.3	482.7	1.60	15.60	0.37	YES	
L0111798	0	0.14045E-03	489090.6	3752885.7	481.8	1.60	15.60	0.37	YES	
L0111799	0	0.14045E-03	489124.1	3752885.1	480.7	1.60	15.60	0.37	YES	
L0111800	0	0.14045E-03	489157.6	3752884.5	479.8	1.60	15.60	0.37	YES	
L0111801	0	0.14045E-03	489191.2	3752884.0	478.8	1.60	15.60	0.37	YES	
L0111802	0	0.14045E-03	489224.7	3752883.4	478.7	1.60	15.60	0.37	YES	
L0111803	0	0.14045E-03	489258.2	3752882.8	479.7	1.60	15.60	0.37	YES	
L0111804	0	0.14045E-03	489291.7	3752882.2	480.1	1.60	15.60	0.37	YES	
L0111805	0	0.14045E-03	489325.3	3752881.7	480.1	1.60	15.60	0.37	YES	
L0111806	0	0.14045E-03	489358.8	3752881.1	480.1	1.60	15.60	0.37	YES	
L0111807	0	0.14045E-03	489392.3	3752880.5	480.0	1.60	15.60	0.37	YES	
L0111808	0	0.14045E-03	489425.8	3752879.9	480.2	1.60	15.60	0.37	YES	
L0111809	0	0.14045E-03	489459.4	3752879.4	481.3	1.60	15.60	0.37	YES	
L0111810	0	0.14045E-03	489492.9	3752878.8	481.9	1.60	15.60	0.37	YES	
L0111811	0	0.14045E-03	489526.4	3752878.2	481.9	1.60	15.60	0.37	YES	
L0111812	0	0.14045E-03	489559.9	3752877.6	482.5	1.60	15.60	0.37	YES	
L0111813	0	0.14045E-03	489593.5	3752877.1	483.5	1.60	15.60	0.37	YES	
L0111814	0	0.14045E-03	489627.0	3752876.5	484.7	1.60	15.60	0.37	YES	
L0111815	0	0.14045E-03	489660.5	3752875.9	484.9	1.60	15.60	0.37	YES	
L0111816	0	0.14045E-03	489694.0	3752875.3	483.8	1.60	15.60	0.37	YES	
L0111817	0	0.14045E-03	489727.6	3752874.8	484.1	1.60	15.60	0.37	YES	
L0111818	0	0.14045E-03	489761.1	3752874.2	485.3	1.60	15.60	0.37	YES	
L0111819	0	0.14045E-03	489794.6	3752873.6	484.9	1.60	15.60	0.37	YES	
L0111820	0	0.14045E-03	489828.1	3752873.0	482.8	1.60	15.60	0.37	YES	
L0111821	0	0.14045E-03	489861.7	3752872.5	480.7	1.60	15.60	0.37	YES	

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L0111822	0	0.14045E-03	489895.2	3752871.9	480.3	1.60	15.60	0.37	YES	
L0111823	0	0.30276E-03	488256.0	3755293.6	547.9	2.20	9.20	0.51	YES	
L0111824	0	0.30276E-03	488263.4	3755275.3	547.8	2.20	9.20	0.51	YES	
L0111825	0	0.30276E-03	488270.8	3755256.9	547.0	2.20	9.20	0.51	YES	
L0111826	0	0.30276E-03	488278.2	3755238.6	546.1	2.20	9.20	0.51	YES	
L0111827	0	0.30276E-03	488285.6	3755220.3	545.6	2.20	9.20	0.51	YES	
L0111828	0	0.30276E-03	488293.0	3755201.9	546.3	2.20	9.20	0.51	YES	
L0111829	0	0.30276E-03	488300.4	3755183.6	546.5	2.20	9.20	0.51	YES	

L0111830	0	0.30276E-03	488307.8	3755165.2	546.1	2.20	9.20	0.51	YES
L0111831	0	0.30276E-03	488315.2	3755146.9	545.5	2.20	9.20	0.51	YES
L0111832	0	0.30276E-03	488322.7	3755128.6	544.2	2.20	9.20	0.51	YES
L0111833	0	0.30276E-03	488330.1	3755110.2	541.8	2.20	9.20	0.51	YES
L0111834	0	0.30276E-03	488337.5	3755091.9	539.3	2.20	9.20	0.51	YES
L0111835	0	0.30276E-03	488344.9	3755073.6	537.2	2.20	9.20	0.51	YES
L0111836	0	0.30276E-03	488352.3	3755055.2	535.1	2.20	9.20	0.51	YES
L0111837	0	0.30276E-03	488359.7	3755036.9	533.0	2.20	9.20	0.51	YES
L0111838	0	0.30276E-03	488367.1	3755018.5	531.5	2.20	9.20	0.51	YES
L0111839	0	0.30276E-03	488374.5	3755000.2	530.1	2.20	9.20	0.51	YES
L0111840	0	0.30276E-03	488381.9	3754981.9	528.9	2.20	9.20	0.51	YES
L0111841	0	0.30276E-03	488389.3	3754963.5	527.8	2.20	9.20	0.51	YES
L0111842	0	0.30276E-03	488396.7	3754945.2	527.0	2.20	9.20	0.51	YES
L0111843	0	0.30276E-03	488404.1	3754926.9	527.9	2.20	9.20	0.51	YES
L0111844	0	0.30276E-03	488411.5	3754908.5	527.8	2.20	9.20	0.51	YES
L0111845	0	0.30276E-03	488418.9	3754890.2	527.3	2.20	9.20	0.51	YES
L0111846	0	0.30276E-03	488426.3	3754871.8	526.6	2.20	9.20	0.51	YES
L0111847	0	0.30276E-03	488433.7	3754853.5	525.6	2.20	9.20	0.51	YES
L0111848	0	0.30276E-03	488441.1	3754835.2	524.3	2.20	9.20	0.51	YES
L0111849	0	0.30276E-03	488448.6	3754816.8	526.0	2.20	9.20	0.51	YES
L0111850	0	0.30276E-03	488456.0	3754798.5	526.0	2.20	9.20	0.51	YES
L0111851	0	0.30276E-03	488463.4	3754780.1	526.5	2.20	9.20	0.51	YES
L0111852	0	0.23395E-03	488468.1	3754776.1	526.4	2.30	9.32	0.53	YES
L0111853	0	0.23395E-03	488477.9	3754758.6	526.0	2.30	9.32	0.53	YES
L0111854	0	0.23395E-03	488487.7	3754741.2	525.2	2.30	9.32	0.53	YES
L0111855	0	0.23395E-03	488497.6	3754723.7	524.2	2.30	9.32	0.53	YES
L0111856	0	0.23395E-03	488507.4	3754706.3	524.0	2.30	9.32	0.53	YES
L0111857	0	0.23395E-03	488517.3	3754688.8	524.0	2.30	9.32	0.53	YES
L0111858	0	0.23395E-03	488527.1	3754671.4	523.4	2.30	9.32	0.53	YES
L0111859	0	0.23395E-03	488536.9	3754653.9	522.3	2.30	9.32	0.53	YES
L0111860	0	0.23395E-03	488546.8	3754636.5	521.4	2.30	9.32	0.53	YES
L0111861	0	0.23395E-03	488556.6	3754619.0	521.6	2.30	9.32	0.53	YES

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L0111862	0	0.23395E-03	488566.5	3754601.6	521.8	2.30	9.32	0.53	YES	
L0111863	0	0.23395E-03	488576.3	3754584.1	522.3	2.30	9.32	0.53	YES	
L0111864	0	0.23395E-03	488586.1	3754566.7	523.1	2.30	9.32	0.53	YES	
L0111865	0	0.23395E-03	488596.0	3754549.2	522.9	2.30	9.32	0.53	YES	
L0111866	0	0.23395E-03	488605.8	3754531.8	521.8	2.30	9.32	0.53	YES	
L0111867	0	0.23395E-03	488615.6	3754514.3	522.2	2.30	9.32	0.53	YES	
L0111868	0	0.23395E-03	488625.5	3754496.9	522.8	2.30	9.32	0.53	YES	
L0111869	0	0.23395E-03	488635.3	3754479.4	522.4	2.30	9.32	0.53	YES	
L0111870	0	0.23395E-03	488645.2	3754462.0	521.2	2.30	9.32	0.53	YES	
L0111871	0	0.23395E-03	488655.0	3754444.5	519.2	2.30	9.32	0.53	YES	
L0111872	0	0.23395E-03	488664.8	3754427.1	517.5	2.30	9.32	0.53	YES	
L0111873	0	0.23395E-03	488674.7	3754409.6	516.1	2.30	9.32	0.53	YES	
L0111874	0	0.23395E-03	488684.5	3754392.2	514.7	2.30	9.32	0.53	YES	
L0111875	0	0.23395E-03	488694.4	3754374.7	513.0	2.30	9.32	0.53	YES	
L0111876	0	0.23395E-03	488704.2	3754357.3	512.6	2.30	9.32	0.53	YES	
L0111877	0	0.23395E-03	488714.0	3754339.8	513.6	2.30	9.32	0.53	YES	
L0111878	0	0.23395E-03	488723.9	3754322.4	514.6	2.30	9.32	0.53	YES	
L0111879	0	0.23395E-03	488734.7	3754305.7	514.4	2.30	9.32	0.53	YES	
L0111880	0	0.23395E-03	488750.1	3754293.0	513.4	2.30	9.32	0.53	YES	
L0111881	0	0.23395E-03	488765.6	3754280.2	511.6	2.30	9.32	0.53	YES	
L0111882	0	0.23395E-03	488781.0	3754267.5	510.4	2.30	9.32	0.53	YES	
L0111883	0	0.23395E-03	488796.5	3754254.7	509.9	2.30	9.32	0.53	YES	
L0111884	0	0.23395E-03	488811.9	3754241.9	510.0	2.30	9.32	0.53	YES	
L0111885	0	0.23395E-03	488827.4	3754229.2	510.2	2.30	9.32	0.53	YES	
L0111886	0	0.23395E-03	488842.8	3754216.4	510.0	2.30	9.32	0.53	YES	
L0111887	0	0.23395E-03	488858.2	3754203.7	509.8	2.30	9.32	0.53	YES	
L0111888	0	0.23395E-03	488873.7	3754190.9	510.6	2.30	9.32	0.53	YES	
L0111889	0	0.23395E-03	488889.1	3754178.1	511.4	2.30	9.32	0.53	YES	
L0111890	0	0.23395E-03	488904.6	3754165.4	511.7	2.30	9.32	0.53	YES	
L0111891	0	0.23395E-03	488920.0	3754152.6	511.6	2.30	9.32	0.53	YES	
L0111892	0	0.23395E-03	488935.5	3754139.9	511.0	2.30	9.32	0.53	YES	
L0111893	0	0.23395E-03	488950.9	3754127.1	510.6	2.30	9.32	0.53	YES	
L0111894	0	0.23395E-03	488966.7	3754114.8	510.2	2.30	9.32	0.53	YES	
L0111895	0	0.23395E-03	488983.8	3754104.4	507.7	2.30	9.32	0.53	YES	
L0111896	0	0.23395E-03	489000.9	3754093.9	504.9	2.30	9.32	0.53	YES	
L0111897	0	0.23395E-03	489018.0	3754083.5	503.6	2.30	9.32	0.53	YES	
L0111898	0	0.23395E-03	489035.1	3754073.0	502.8	2.30	9.32	0.53	YES	
L0111899	0	0.23395E-03	489052.2	3754062.6	503.0	2.30	9.32	0.53	YES	
L0111900	0	0.23395E-03	489069.3	3754052.2	503.4	2.30	9.32	0.53	YES	
L0111901	0	0.23395E-03	489086.4	3754041.7	503.3	2.30	9.32	0.53	YES	

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L0111902	0	0.23395E-03	489103.5	3754031.3	502.8	2.30	9.32	0.53	YES	
L0111903	0	0.23395E-03	489120.6	3754020.8	502.0	2.30	9.32	0.53	YES	
L0111904	0	0.23395E-03	489137.7	3754010.4	500.9	2.30	9.32	0.53	YES	
L0111905	0	0.23395E-03	489154.8	3754000.0	499.5	2.30	9.32	0.53	YES	
L0111906	0	0.23395E-03	489171.9	3753989.5	498.3	2.30	9.32	0.53	YES	
L0111907	0	0.23395E-03	489189.0	3753979.1	498.7	2.30	9.32	0.53	YES	

L0111908	0	0.23395E-03	489206.1	3753968.6	499.2	2.30	9.32	0.53	YES
L0111909	0	0.23395E-03	489223.2	3753958.2	499.4	2.30	9.32	0.53	YES
L0111910	0	0.23395E-03	489240.2	3753947.8	499.2	2.30	9.32	0.53	YES
L0111911	0	0.23395E-03	489257.3	3753937.3	498.5	2.30	9.32	0.53	YES
L0111912	0	0.23395E-03	489274.4	3753926.9	498.0	2.30	9.32	0.53	YES
L0111913	0	0.23395E-03	489291.5	3753916.4	498.0	2.30	9.32	0.53	YES
L0111914	0	0.23395E-03	489308.6	3753906.0	497.9	2.30	9.32	0.53	YES
L0111915	0	0.23395E-03	489325.7	3753895.6	498.0	2.30	9.32	0.53	YES
L0111916	0	0.23395E-03	489342.8	3753885.1	497.6	2.30	9.32	0.53	YES
L0111917	0	0.23395E-03	489359.9	3753874.7	497.0	2.30	9.32	0.53	YES
L0111918	0	0.23395E-03	489377.0	3753864.2	497.5	2.30	9.32	0.53	YES
L0111919	0	0.23395E-03	489394.1	3753853.8	497.5	2.30	9.32	0.53	YES
L0111920	0	0.23395E-03	489411.2	3753843.4	497.2	2.30	9.32	0.53	YES
L0111921	0	0.23395E-03	489428.3	3753832.9	497.2	2.30	9.32	0.53	YES
L0111922	0	0.23395E-03	489445.4	3753822.5	497.1	2.30	9.32	0.53	YES
L0111923	0	0.23395E-03	489462.5	3753812.0	497.8	2.30	9.32	0.53	YES
L0111924	0	0.23395E-03	489479.6	3753801.6	498.7	2.30	9.32	0.53	YES
L0111925	0	0.23395E-03	489496.7	3753791.2	498.9	2.30	9.32	0.53	YES
L0111926	0	0.23395E-03	489513.8	3753780.7	499.2	2.30	9.32	0.53	YES
L0111927	0	0.23395E-03	489530.9	3753770.3	499.7	2.30	9.32	0.53	YES
L0111928	0	0.23395E-03	489548.0	3753759.8	499.9	2.30	9.32	0.53	YES
L0111929	0	0.23395E-03	489565.1	3753749.4	500.0	2.30	9.32	0.53	YES
L0111930	0	0.23395E-03	489582.2	3753739.0	500.0	2.30	9.32	0.53	YES
L0111931	0	0.23395E-03	489599.3	3753728.5	500.3	2.30	9.32	0.53	YES
L0111932	0	0.23395E-03	489616.4	3753718.1	500.9	2.30	9.32	0.53	YES
L0111933	0	0.23395E-03	489633.5	3753707.6	500.8	2.30	9.32	0.53	YES
L0111934	0	0.23395E-03	489650.6	3753697.2	500.2	2.30	9.32	0.53	YES
L0111935	0	0.23395E-03	489667.7	3753686.8	499.6	2.30	9.32	0.53	YES
L0111936	0	0.23395E-03	489684.8	3753676.3	498.6	2.30	9.32	0.53	YES
L0111937	0	0.23395E-03	489701.9	3753665.9	499.3	2.30	9.32	0.53	YES
L0111938	0	0.23395E-03	489719.0	3753655.4	500.9	2.30	9.32	0.53	YES
L0111939	0	0.23395E-03	489736.1	3753645.0	502.3	2.30	9.32	0.53	YES
L0111940	0	0.23395E-03	489753.2	3753634.6	503.2	2.30	9.32	0.53	YES
L0111941	0	0.23395E-03	489770.3	3753624.1	502.8	2.30	9.32	0.53	YES

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L0111942	0	0.23395E-03	489787.4	3753613.7	502.6	2.30	9.32	0.53	YES	
L0111943	0	0.23395E-03	489804.5	3753603.2	502.2	2.30	9.32	0.53	YES	
L0111944	0	0.23395E-03	489821.6	3753592.8	501.5	2.30	9.32	0.53	YES	
L0111945	0	0.23395E-03	489838.7	3753582.4	500.8	2.30	9.32	0.53	YES	
L0111946	0	0.23395E-03	489855.8	3753571.9	501.1	2.30	9.32	0.53	YES	
L0111947	0	0.23395E-03	489872.9	3753561.5	502.2	2.30	9.32	0.53	YES	
L0111948	0	0.23395E-03	489890.0	3753551.0	503.3	2.30	9.32	0.53	YES	
L0111949	0	0.23395E-03	489907.1	3753540.6	504.2	2.30	9.32	0.53	YES	
L0111950	0	0.23395E-03	489924.2	3753530.2	504.1	2.30	9.32	0.53	YES	
L0111951	0	0.23395E-03	489941.3	3753519.7	503.8	2.30	9.32	0.53	YES	
L0111952	0	0.23395E-03	489958.4	3753509.3	502.9	2.30	9.32	0.53	YES	
L0111953	0	0.23395E-03	489975.5	3753498.8	501.7	2.30	9.32	0.53	YES	
L0111954	0	0.23395E-03	489992.6	3753488.4	500.9	2.30	9.32	0.53	YES	
L0111955	0	0.23395E-03	490009.7	3753478.0	500.6	2.30	9.32	0.53	YES	
L0111956	0	0.23395E-03	490026.7	3753467.5	500.6	2.30	9.32	0.53	YES	
L0111957	0	0.23395E-03	490043.8	3753457.1	500.2	2.30	9.32	0.53	YES	
L0111958	0	0.23395E-03	490060.9	3753446.6	500.8	2.30	9.32	0.53	YES	
L0111959	0	0.23395E-03	490078.0	3753436.2	501.9	2.30	9.32	0.53	YES	
L0111960	0	0.23395E-03	490095.1	3753425.8	502.6	2.30	9.32	0.53	YES	
L0111961	0	0.28846E-04	490104.1	3753442.3	503.4	2.60	9.38	0.60	YES	
L0111962	0	0.28846E-04	490121.5	3753432.0	503.6	2.60	9.38	0.60	YES	
L0111963	0	0.28846E-04	490138.9	3753421.8	502.3	2.60	9.38	0.60	YES	
L0111964	0	0.28846E-04	490156.2	3753411.5	502.4	2.60	9.38	0.60	YES	
L0111965	0	0.28846E-04	490173.6	3753401.2	502.2	2.60	9.38	0.60	YES	
L0111966	0	0.28846E-04	490191.0	3753391.0	501.1	2.60	9.38	0.60	YES	
L0111967	0	0.28846E-04	490208.3	3753380.7	500.6	2.60	9.38	0.60	YES	
L0111968	0	0.28846E-04	490225.7	3753370.4	500.8	2.60	9.38	0.60	YES	
L0111969	0	0.28846E-04	490243.1	3753360.2	501.4	2.60	9.38	0.60	YES	
L0111970	0	0.28846E-04	490260.4	3753349.9	501.3	2.60	9.38	0.60	YES	
L0111971	0	0.28846E-04	490277.8	3753339.7	499.5	2.60	9.38	0.60	YES	
L0111972	0	0.28846E-04	490295.2	3753329.4	497.8	2.60	9.38	0.60	YES	
L0111973	0	0.28846E-04	490312.5	3753319.1	496.6	2.60	9.38	0.60	YES	
L0111974	0	0.28846E-04	490329.9	3753308.9	495.7	2.60	9.38	0.60	YES	
L0111975	0	0.28846E-04	490347.3	3753298.6	495.0	2.60	9.38	0.60	YES	
L0111976	0	0.28846E-04	490364.6	3753288.3	495.1	2.60	9.38	0.60	YES	
L0111977	0	0.28846E-04	490382.0	3753278.1	495.4	2.60	9.38	0.60	YES	
L0111978	0	0.28846E-04	490399.4	3753267.8	495.7	2.60	9.38	0.60	YES	
L0111979	0	0.28846E-04	490416.7	3753257.6	496.4	2.60	9.38	0.60	YES	
L0111980	0	0.28846E-04	490434.1	3753247.3	496.3	2.60	9.38	0.60	YES	
L0111981	0	0.28846E-04	490451.5	3753237.0	495.4	2.60	9.38	0.60	YES	

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L0111982	0	0.28846E-04	490468.8	3753226.8	493.8	2.60	9.38	0.60	YES	
L0111983	0	0.28846E-04	490486.2	3753216.5	491.9	2.60	9.38	0.60	YES	
L0111984	0	0.28846E-04	490503.6	3753206.2	490.8	2.60	9.38	0.60	YES	
L0111985	0	0.28846E-04	490520.9	3753196.0	489.8	2.60	9.38	0.60	YES	

L0111986	0	0.28846E-04	490538.3	3753185.7	489.2	2.60	9.38	0.60	YES
L0111987	0	0.28846E-04	490555.7	3753175.5	488.9	2.60	9.38	0.60	YES
L0111988	0	0.28846E-04	490573.0	3753165.2	489.4	2.60	9.38	0.60	YES
L0111989	0	0.28846E-04	490590.4	3753154.9	490.2	2.60	9.38	0.60	YES
L0111990	0	0.28846E-04	490607.8	3753144.7	491.2	2.60	9.38	0.60	YES
L0111991	0	0.28846E-04	490625.1	3753134.4	491.9	2.60	9.38	0.60	YES
L0111992	0	0.28846E-04	490642.5	3753124.1	491.4	2.60	9.38	0.60	YES
L0111993	0	0.28846E-04	490657.6	3753111.4	489.4	2.60	9.38	0.60	YES
L0111994	0	0.28846E-04	490669.5	3753095.1	487.1	2.60	9.38	0.60	YES
L0111995	0	0.28846E-04	490681.4	3753078.8	485.6	2.60	9.38	0.60	YES
L0111996	0	0.28846E-04	490693.3	3753062.5	485.1	2.60	9.38	0.60	YES
L0111997	0	0.28846E-04	490705.2	3753046.2	484.5	2.60	9.38	0.60	YES
L0111998	0	0.28846E-04	490717.1	3753029.9	484.2	2.60	9.38	0.60	YES
L0111999	0	0.28846E-04	490729.0	3753013.6	483.7	2.60	9.38	0.60	YES
L0112000	0	0.28846E-04	490740.9	3752997.3	482.8	2.60	9.38	0.60	YES
L0112001	0	0.28846E-04	490752.8	3752981.1	481.0	2.60	9.38	0.60	YES
L0112002	0	0.28846E-04	490764.7	3752964.8	478.8	2.60	9.38	0.60	YES
L0112003	0	0.28846E-04	490776.6	3752948.5	477.9	2.60	9.38	0.60	YES
L0112004	0	0.28846E-04	490788.4	3752932.2	478.1	2.60	9.38	0.60	YES
L0112005	0	0.28846E-04	490800.3	3752915.9	478.2	2.60	9.38	0.60	YES
L0112006	0	0.28846E-04	490812.2	3752899.6	477.2	2.60	9.38	0.60	YES
L0112007	0	0.28846E-04	490824.1	3752883.3	475.5	2.60	9.38	0.60	YES
L0112008	0	0.28846E-04	490836.0	3752867.0	474.1	2.60	9.38	0.60	YES
L0112009	0	0.28846E-04	490847.9	3752850.7	473.1	2.60	9.38	0.60	YES
L0112010	0	0.28846E-04	490859.8	3752834.4	473.0	2.60	9.38	0.60	YES
L0112011	0	0.28846E-04	490871.7	3752818.1	473.0	2.60	9.38	0.60	YES
L0112012	0	0.28846E-04	490883.6	3752801.8	473.0	2.60	9.38	0.60	YES
L0112013	0	0.28846E-04	490895.5	3752785.5	472.9	2.60	9.38	0.60	YES
L0112014	0	0.28846E-04	490907.4	3752769.2	472.3	2.60	9.38	0.60	YES
L0112015	0	0.28846E-04	490919.2	3752752.9	472.0	2.60	9.38	0.60	YES
L0112016	0	0.28846E-04	490931.1	3752736.6	472.4	2.60	9.38	0.60	YES
L0112017	0	0.28846E-04	490943.0	3752720.3	472.8	2.60	9.38	0.60	YES
L0112018	0	0.28846E-04	490954.9	3752704.0	473.0	2.60	9.38	0.60	YES
L0112019	0	0.28846E-04	490966.8	3752687.7	472.6	2.60	9.38	0.60	YES
L0112020	0	0.28846E-04	490978.7	3752671.4	472.1	2.60	9.38	0.60	YES
L0112021	0	0.28846E-04	490990.6	3752655.1	471.5	2.60	9.38	0.60	YES

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112022	0	0.28846E-04	491002.5	3752638.8	471.0	2.60	9.38	0.60	YES	
L0112023	0	0.28846E-04	491014.4	3752622.6	471.7	2.60	9.38	0.60	YES	
L0112024	0	0.28846E-04	491026.3	3752606.3	472.4	2.60	9.38	0.60	YES	
L0112025	0	0.28846E-04	491038.2	3752590.0	472.2	2.60	9.38	0.60	YES	
L0112026	0	0.28846E-04	491050.1	3752573.7	471.2	2.60	9.38	0.60	YES	
L0112027	0	0.28846E-04	491061.9	3752557.4	470.7	2.60	9.38	0.60	YES	
L0112028	0	0.28846E-04	491073.8	3752541.1	470.8	2.60	9.38	0.60	YES	
L0112029	0	0.28846E-04	491085.7	3752524.8	471.0	2.60	9.38	0.60	YES	
L0112030	0	0.28846E-04	491097.6	3752508.5	470.7	2.60	9.38	0.60	YES	
L0112031	0	0.28846E-04	491109.5	3752492.2	468.3	2.60	9.38	0.60	YES	
L0112032	0	0.28846E-04	491121.4	3752475.9	465.7	2.60	9.38	0.60	YES	
L0112033	0	0.28846E-04	491133.3	3752459.6	464.0	2.60	9.38	0.60	YES	
L0112034	0	0.28846E-04	491145.2	3752443.3	464.0	2.60	9.38	0.60	YES	
L0112035	0	0.28846E-04	491157.1	3752427.0	464.3	2.60	9.38	0.60	YES	
L0112036	0	0.28846E-04	491169.0	3752410.7	461.9	2.60	9.38	0.60	YES	
L0112037	0	0.28846E-04	491180.9	3752394.4	460.3	2.60	9.38	0.60	YES	
L0112038	0	0.28846E-04	491192.7	3752378.1	460.5	2.60	9.38	0.60	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
PHASE1	0	0.68800E-08	485577.5	3755020.4	527.6	3.50	11	0.00	YES	
PHASE2	0	0.64400E-08	485955.1	3753354.8	492.2	3.60	24	0.00	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                    ***        11/29/12
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 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                 FASTALL

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***
 GROUP ID                                                SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                    ***        11/29/12
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                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***
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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                                  ***        11/29/12
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 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
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                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                   SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                                  ***        11/29/12
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 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                   SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                                  ***        11/29/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

461553.0, 462553.0, 463553.0, 464553.0, 465553.0, 466553.0, 467553.0, 468553.0, 469553.0, 470553.0,
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*** Y-COORDINATES OF GRID ***
(METERS)

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3751938.3, 3752938.3, 3753938.3, 3754938.3, 3755938.3, 3756938.3, 3757938.3, 3758938.3, 3759938.3, 3760938.3,
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	317.90	315.50	311.70	305.80	301.50	279.60	278.50	272.60	279.20
3766938.31	336.30	305.50	294.90	294.00	283.00	268.30	267.10	395.80	277.90
3765938.31	325.60	405.70	301.30	289.30	287.10	261.20	293.50	397.30	291.80
3764938.31	311.30	365.90	350.10	293.30	273.50	258.00	261.00	288.90	288.10
3763938.31	295.70	394.50	275.10	267.50	248.90	253.00	257.10	276.60	299.60
3762938.31	266.30	266.90	261.00	243.60	247.90	254.20	263.80	281.00	306.80
3761938.31	242.70	240.00	239.10	241.70	250.50	255.90	268.10	287.50	312.50
3760938.31	227.40	232.20	233.60	267.10	260.30	266.80	279.00	295.10	323.80
3759938.31	231.00	227.90	306.60	254.10	267.80	278.00	287.90	303.00	326.30
3758938.31	225.00	236.10	253.00	263.10	271.10	278.30	294.20	306.30	325.20
3757938.31	242.90	247.20	257.60	287.20	273.70	269.10	286.50	309.40	333.40
3756938.31	240.20	249.30	257.40	270.00	287.90	314.60	321.20	305.30	333.60
3755938.31	246.00	257.10	266.10	276.80	293.20	340.60	359.10	392.00	355.20
3754938.31	248.50	260.00	276.80	296.00	315.10	378.50	397.50	424.40	446.50
3753938.31	260.60	269.80	285.70	300.20	343.20	384.50	408.70	459.30	492.70
3752938.31	270.20	283.70	306.80	324.20	359.90	410.50	453.20	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	370.10	406.50	435.60	459.70	473.80
3750938.31	302.60	319.90	344.80	357.00	359.90	410.40	467.40	475.40	487.80
3749938.31	329.00	337.50	391.80	442.20	444.30	439.90	466.10	486.40	501.00
3748938.31	396.00	335.40	377.80	424.70	452.80	466.30	492.50	530.60	513.50
3747938.31	427.10	444.20	382.70	398.40	434.20	525.50	527.90	535.40	508.80
3746938.31	441.20	476.80	468.20	415.80	447.50	476.50	480.20	486.90	492.60
3745938.31	443.70	473.10	464.50	438.00	420.80	444.80	467.60	496.10	513.30
3744938.31	430.60	450.90	441.80	434.80	446.20	468.50	540.20	507.00	518.10
3743938.31	417.00	420.10	430.30	443.00	447.20	451.30	469.00	476.40	478.80
3742938.31	435.90	446.30	466.50	498.00	501.00	511.50	481.80	517.80	556.40
3741938.31	474.60	533.00	551.60	552.10	619.20	572.30	597.50	653.00	564.20

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	283.60	289.00	304.20	312.00	323.50	341.00	348.00	353.60	357.50
3766938.31	301.20	333.70	340.60	336.20	384.40	409.90	380.20	386.80	384.50
3765938.31	313.20	342.50	448.10	359.20	407.10	458.80	482.50	461.70	459.60
3764938.31	311.10	346.40	657.00	455.30	395.40	467.20	504.80	545.20	510.30
3763938.31	325.70	353.10	435.90	504.40	420.40	430.90	500.60	554.40	626.90
3762938.31	318.70	356.60	382.20	408.20	498.60	534.40	470.90	509.90	539.10
3761938.31	411.70	551.30	580.90	449.90	615.40	776.00	690.30	617.60	548.30
3760938.31	399.70	469.40	625.60	642.80	582.20	632.10	814.90	830.10	632.90
3759938.31	352.70	380.50	666.10	820.90	599.20	547.70	579.10	784.30	625.60
3758938.31	356.30	404.00	732.30	830.30	615.10	544.90	541.10	565.00	602.60
3757938.31	390.90	429.40	509.10	790.60	782.00	562.30	524.60	545.10	576.90
3756938.31	396.60	462.40	469.80	513.40	695.40	563.20	521.90	516.20	540.60
3755938.31	451.40	484.60	457.40	488.80	514.90	515.10	503.90	508.20	511.80
3754938.31	462.00	468.90	467.80	474.40	483.10	495.10	497.10	497.00	496.10
3753938.31	485.80	444.20	462.50	468.20	470.10	483.70	489.90	488.60	488.00
3752938.31	496.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	499.70	534.90	498.40	478.90	472.10	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	472.60	465.30	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	467.20	456.80	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	476.10	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	454.60	452.80	451.90
3746938.31	525.30	513.50	511.80	533.20	519.10	469.50	454.30	454.50	447.50
3745938.31	546.30	513.20	510.80	517.60	521.80	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	533.40	477.40	461.80	449.40	445.80
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	522.10	528.30	527.90	518.60	512.50	490.80	475.50	452.00	447.80
3741938.31	593.90	581.10	555.50	534.60	537.70	549.40	498.00	460.30	442.90

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	373.90	406.60	408.60	429.30	457.00	476.70	495.00	534.80	562.90
3765938.31	441.20	390.60	450.20	458.00	486.40	516.70	539.40	562.30	602.20
3764938.31	472.90	447.20	408.10	450.00	508.00	549.40	579.80	596.40	630.70
3763938.31	573.90	480.90	465.10	443.30	451.50	526.90	616.60	643.00	665.40
3762938.31	633.40	621.10	497.10	513.60	500.30	473.20	549.60	558.50	597.70
3761938.31	633.80	696.10	578.40	595.10	536.00	493.00	521.50	573.40	589.70
3760938.31	612.70	771.50	774.50	667.50	632.60	595.90	532.50	510.00	543.10
3759938.31	750.20	721.00	823.40	796.40	718.30	624.10	577.90	559.90	566.90
3758938.31	769.50	817.80	682.00	715.80	715.30	649.00	632.00	705.60	627.80
3757938.31	654.20	735.40	726.40	625.20	646.60	603.80	643.90	673.20	703.70
3756938.31	578.40	596.10	632.00	636.80	574.80	581.40	584.90	593.20	633.90
3755938.31	534.90	550.50	557.10	551.80	558.10	556.20	551.80	549.40	578.00
3754938.31	501.90	518.80	513.20	530.30	535.20	537.10	527.60	525.60	526.30
3753938.31	484.50	494.20	500.90	507.30	527.20	515.60	503.90	503.00	496.40
3752938.31	472.20	481.00	482.10	483.90	484.30	487.50	488.10	487.40	479.60
3751938.31	472.00	468.70	466.60	469.20	467.20	475.60	513.80	650.90	533.40
3750938.31	462.20	464.30	454.80	461.90	476.80	531.30	771.00	658.60	548.10
3749938.31	461.90	456.70	491.00	524.00	524.30	563.50	580.90	550.10	513.70
3748938.31	453.60	458.80	528.40	666.50	545.30	516.50	507.70	500.10	534.60
3747938.31	448.80	453.60	630.60	614.60	504.60	497.40	478.00	495.60	566.60
3746938.31	443.40	457.10	486.30	478.00	478.00	478.00	478.00	535.10	465.60
3745938.31	444.60	444.00	451.50	478.00	478.00	478.00	544.70	620.50	435.80
3744938.31	442.20	442.80	446.20	452.70	478.00	491.40	688.80	460.70	434.70
3743938.31	442.20	443.90	443.80	449.80	518.60	704.30	461.70	433.40	439.40
3742938.31	443.00	436.50	441.80	460.50	485.80	462.50	436.60	434.40	437.20
3741938.31	440.00	440.00	443.20	464.70	494.00	451.40	435.10	436.80	444.80

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	585.60	659.90	750.50	849.50	964.60	887.60	799.80	842.60
3766938.31	620.90	644.20	726.40	740.70	749.70	765.90	746.90	783.40	825.20
3765938.31	647.50	671.10	648.30	644.30	667.00	700.80	752.10	785.40	821.00
3764938.31	645.70	628.90	634.80	634.90	658.40	717.30	744.10	769.90	803.90
3763938.31	641.80	636.10	611.10	647.70	662.20	696.20	735.10	762.10	788.90
3762938.31	567.80	579.90	612.80	639.70	683.70	703.20	737.10	760.10	788.60
3761938.31	645.00	662.30	670.20	680.00	684.30	717.00	734.10	758.40	782.00
3760938.31	605.10	665.70	651.20	671.30	699.20	686.90	709.50	748.60	777.00
3759938.31	554.60	565.70	601.70	627.90	662.80	672.60	705.00	707.60	735.00
3758938.31	691.80	646.90	606.20	641.40	617.10	646.90	656.00	701.50	705.00
3757938.31	708.00	700.40	691.40	714.50	700.80	636.00	691.20	708.50	717.50
3756938.31	671.60	698.80	672.20	693.20	762.30	676.60	660.50	722.70	744.70
3755938.31	584.70	625.90	643.00	724.20	685.50	740.50	714.80	678.00	696.50
3754938.31	538.80	559.60	583.70	611.70	661.10	631.20	658.60	711.00	714.10
3753938.31	497.80	504.20	536.20	577.90	576.60	604.60	594.70	629.30	712.60
3752938.31	476.00	484.00	483.20	521.60	511.20	551.60	565.60	597.80	713.90
3751938.31	461.80	464.20	456.50	460.80	483.90	546.20	559.10	588.10	668.30
3750938.31	452.20	443.30	437.30	433.00	456.70	508.60	521.70	564.30	641.50
3749938.31	440.90	437.90	432.30	428.00	441.00	462.30	480.10	618.00	616.20
3748938.31	447.80	435.20	433.30	430.10	431.40	434.70	436.80	562.80	649.90
3747938.31	441.10	433.70	435.40	437.00	430.60	428.00	432.60	441.60	530.80
3746938.31	435.20	470.70	436.80	436.10	434.50	439.70	433.90	437.50	452.70
3745938.31	432.10	434.70	437.10	439.10	440.90	438.60	438.10	435.60	446.20
3744938.31	435.10	440.90	436.10	438.20	441.30	441.00	441.10	438.90	439.20
3743938.31	445.10	447.60	443.00	442.10	473.20	470.40	440.10	441.00	440.30
3742938.31	453.00	463.60	463.40	470.40	558.30	719.10	644.10	446.20	448.60
3741938.31	459.30	477.60	489.00	576.80	623.40	693.40	713.10	512.00	449.70

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	884.20	929.90	993.80	1066.90	1171.60	1243.50	1319.20	1434.80	1630.30
3766938.31	883.00	946.60	1050.80	1085.60	1198.10	1517.00	1503.00	1502.80	1502.40
3765938.31	883.90	1004.20	1177.00	1131.40	1192.90	1410.70	1471.10	1478.60	1400.30
3764938.31	850.10	947.40	1013.60	1008.70	1179.60	1281.10	1301.70	1306.10	1382.20
3763938.31	829.40	857.30	905.40	964.90	1044.10	1180.20	1202.20	1179.70	1257.70
3762938.31	822.50	865.90	944.60	1007.70	1037.60	1078.00	1127.90	1158.40	1182.30
3761938.31	809.00	878.30	953.60	1169.40	1036.50	1099.60	1048.30	1047.60	1121.70
3760938.31	787.90	883.00	940.40	982.90	1006.80	962.30	991.10	1006.40	1068.70
3759938.31	799.00	833.90	872.10	865.40	882.00	901.80	917.10	980.90	1014.00
3758938.31	739.80	775.50	823.60	827.30	844.80	866.20	876.00	896.40	973.80
3757938.31	745.50	766.60	789.80	806.10	812.70	836.20	847.10	869.00	891.20
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00

3755938.31	712.20	729.00	750.70	778.90	796.10	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	733.70	739.00	748.20	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	698.30	742.60	758.40	806.00	784.40	793.40	782.90	776.00	774.50
3751938.31	688.50	698.30	788.50	827.60	779.20	816.00	826.50	776.50	765.50
3750938.31	637.60	658.70	761.70	746.60	753.10	763.30	778.20	767.10	824.50
3749938.31	565.10	605.60	688.00	741.70	730.60	768.40	748.50	743.00	742.90
3748938.31	600.40	581.60	634.10	689.10	721.10	712.00	735.90	695.10	721.80
3747938.31	612.80	550.40	629.60	635.50	674.00	749.80	680.90	680.10	661.60
3746938.31	475.00	519.90	658.40	668.60	636.20	659.50	635.50	626.90	644.80
3745938.31	457.70	478.30	548.30	576.50	593.60	572.70	612.10	688.50	733.30
3744938.31	445.20	446.70	455.30	487.90	797.60	730.60	713.70	991.50	924.10
3743938.31	441.00	442.60	443.20	451.00	524.60	831.50	1033.10	970.20	1073.70
3742938.31	441.80	443.80	445.20	450.00	460.10	583.10	792.30	1036.30	1119.40
3741938.31	445.60	445.70	445.30	450.20	453.60	459.80	469.30	669.80	974.60

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	677.00	570.00	311.70	305.80	301.50	279.60	328.00	406.00	735.00
3766938.31	677.00	677.00	478.00	303.00	283.00	289.00	434.00	406.00	735.00
3765938.31	677.00	478.00	518.00	478.00	287.10	429.00	434.00	434.00	735.00
3764938.31	677.00	518.00	518.00	518.00	273.50	258.00	434.00	735.00	735.00
3763938.31	677.00	518.00	518.00	518.00	248.90	253.00	257.10	735.00	758.00
3762938.31	677.00	518.00	518.00	518.00	247.90	259.00	580.00	735.00	905.00
3761938.31	518.00	518.00	518.00	373.00	250.50	255.90	580.00	905.00	932.00
3760938.31	227.40	392.00	392.00	392.00	260.30	266.80	580.00	932.00	932.00
3759938.31	231.00	392.00	392.00	392.00	267.80	278.00	905.00	932.00	932.00
3758938.31	225.00	251.00	253.00	263.10	271.10	278.30	905.00	932.00	932.00
3757938.31	242.90	247.20	257.60	343.00	319.00	294.00	905.00	932.00	932.00
3756938.31	240.20	249.30	257.40	318.00	287.90	314.60	330.00	932.00	932.00
3755938.31	246.00	257.10	266.10	276.80	432.00	432.00	359.10	404.00	932.00
3754938.31	248.50	260.00	276.80	296.00	432.00	432.00	397.50	427.00	459.00
3753938.31	260.60	269.80	337.00	300.20	372.00	401.00	408.70	459.30	492.70
3752938.31	270.20	288.00	306.80	324.20	359.90	439.00	470.00	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	374.00	498.00	498.00	466.00	473.80
3750938.31	302.60	319.90	344.80	384.00	359.90	472.00	467.40	475.40	487.80
3749938.31	411.00	337.50	458.00	458.00	446.00	448.00	466.10	486.40	501.00
3748938.31	405.00	480.00	395.00	424.70	455.00	466.30	492.50	543.00	513.50
3747938.31	428.00	456.00	498.00	398.40	559.00	559.00	537.00	535.40	508.80
3746938.31	441.20	476.80	488.00	445.00	447.50	476.50	480.20	486.90	492.60
3745938.31	445.00	478.00	468.00	438.00	420.80	450.00	467.60	496.10	513.30
3744938.31	464.00	450.90	441.80	434.80	451.00	501.00	540.20	507.00	518.10
3743938.31	417.00	422.00	430.30	632.00	633.00	633.00	661.00	685.00	478.80
3742938.31	597.00	710.00	710.00	632.00	633.00	633.00	687.00	687.00	687.00
3741938.31	710.00	710.00	710.00	736.00	633.00	602.00	661.00	680.00	734.00

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	735.00	735.00	735.00	735.00	735.00	341.00	348.00	353.60	357.50
3766938.31	735.00	735.00	735.00	735.00	735.00	481.00	563.00	634.00	642.00
3765938.31	735.00	735.00	735.00	841.00	735.00	461.00	563.00	635.00	644.00
3764938.31	735.00	758.00	735.00	735.00	941.00	941.00	941.00	941.00	941.00
3763938.31	867.00	867.00	856.00	856.00	941.00	941.00	941.00	941.00	634.00
3762938.31	932.00	932.00	941.00	941.00	941.00	941.00	941.00	941.00	941.00
3761938.31	905.00	850.00	867.00	941.00	941.00	874.00	941.00	941.00	941.00
3760938.31	932.00	932.00	905.00	905.00	941.00	941.00	941.00	941.00	941.00
3759938.31	932.00	932.00	932.00	867.00	941.00	941.00	941.00	941.00	941.00
3758938.31	932.00	932.00	932.00	905.00	932.00	941.00	941.00	941.00	941.00
3757938.31	932.00	932.00	932.00	932.00	932.00	941.00	941.00	941.00	941.00
3756938.31	932.00	932.00	932.00	932.00	932.00	932.00	941.00	941.00	890.00
3755938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	890.00
3754938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	497.00	496.10
3753938.31	485.80	932.00	932.00	932.00	932.00	932.00	489.90	488.60	488.00
3752938.31	509.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	509.00	541.00	503.00	478.90	479.00	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	479.00	490.00	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	468.00	490.00	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	478.00	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	462.00	452.80	451.90
3746938.31	566.00	513.50	511.80	536.00	519.10	469.50	454.30	454.50	457.00
3745938.31	559.00	513.20	510.80	517.60	540.00	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	548.00	477.40	461.80	449.40	447.00
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	734.00	528.30	527.90	518.60	515.00	490.80	475.50	455.00	452.00
3741938.31	734.00	734.00	555.50	534.60	537.70	549.40	597.00	460.30	442.90

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	537.00	406.60	408.60	429.30	457.00	516.00	508.00	534.80	565.00
3765938.31	644.00	537.00	495.00	525.00	493.00	516.70	539.40	588.00	645.00
3764938.31	941.00	687.00	858.00	525.00	523.00	575.00	579.80	596.40	666.00
3763938.31	687.00	941.00	858.00	858.00	858.00	623.00	625.00	643.00	677.00
3762938.31	941.00	782.00	858.00	858.00	858.00	641.00	581.00	693.00	693.00
3761938.31	941.00	858.00	858.00	858.00	858.00	858.00	555.00	616.00	654.00
3760938.31	941.00	824.00	858.00	858.00	858.00	802.00	771.00	751.00	654.00
3759938.31	887.00	890.00	833.00	829.00	802.00	771.00	771.00	774.00	774.00
3758938.31	890.00	890.00	890.00	829.00	741.00	731.00	751.00	751.00	774.00
3757938.31	890.00	890.00	890.00	890.00	684.00	603.80	738.00	774.00	774.00
3756938.31	890.00	890.00	890.00	682.00	574.80	581.40	584.90	774.00	774.00
3755938.31	890.00	890.00	890.00	721.00	558.10	556.20	551.80	549.40	607.00
3754938.31	890.00	890.00	518.00	530.30	617.00	537.10	527.60	525.60	528.00
3753938.31	484.50	494.20	500.90	617.00	617.00	615.00	811.00	811.00	777.00
3752938.31	472.20	481.00	482.10	483.90	811.00	811.00	811.00	811.00	811.00
3751938.31	472.00	468.70	466.60	798.00	811.00	811.00	811.00	811.00	811.00
3750938.31	462.20	741.00	777.00	798.00	811.00	811.00	798.00	811.00	811.00
3749938.31	766.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00	811.00
3748938.31	777.00	777.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00
3747938.31	777.00	777.00	777.00	777.00	777.00	810.00	811.00	810.00	804.00
3746938.31	777.00	777.00	777.00	777.00	810.00	810.00	810.00	810.00	810.00
3745938.31	444.60	777.00	777.00	810.00	810.00	810.00	810.00	810.00	810.00
3744938.31	442.20	442.80	757.00	810.00	810.00	810.00	810.00	810.00	810.00
3743938.31	442.20	443.90	757.00	810.00	810.00	757.00	810.00	810.00	810.00
3742938.31	443.00	436.50	757.00	757.00	810.00	810.00	810.00	810.00	810.00
3741938.31	440.00	443.00	757.00	757.00	757.00	810.00	810.00	810.00	444.80

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	985.00	1018.00	1018.00	1018.00	985.00	1018.00	1656.00	1771.00
3766938.31	626.00	757.00	757.00	985.00	1018.00	1018.00	1611.00	1677.00	1771.00
3765938.31	663.00	671.10	784.00	1018.00	1018.00	1018.00	1611.00	1677.00	1771.00
3764938.31	681.00	628.90	634.80	634.90	985.00	717.30	1611.00	1677.00	1740.00
3763938.31	668.00	687.00	638.00	664.00	690.00	721.00	735.10	1677.00	1677.00
3762938.31	686.00	682.00	684.00	690.00	689.00	720.00	737.10	1611.00	1677.00
3761938.31	686.00	678.00	682.00	691.00	705.00	717.00	734.10	758.40	1677.00
3760938.31	697.00	685.00	677.00	715.00	708.00	696.00	723.00	776.00	785.00
3759938.31	769.00	755.00	701.00	715.00	717.00	708.00	705.00	707.60	1200.00
3758938.31	755.00	762.00	764.00	648.00	712.00	677.00	736.00	710.00	705.00
3757938.31	769.00	764.00	764.00	748.00	730.00	794.00	736.00	712.00	730.00
3756938.31	760.00	761.00	764.00	763.00	794.00	794.00	735.00	728.00	744.70
3755938.31	760.00	760.00	683.00	727.00	794.00	768.00	742.00	678.00	717.00
3754938.31	546.00	639.00	627.00	727.00	711.00	768.00	747.00	739.00	757.00
3753938.31	777.00	569.00	596.00	581.00	692.00	653.00	745.00	771.00	771.00
3752938.31	811.00	777.00	575.00	529.00	628.00	615.00	625.00	771.00	746.00
3751938.31	811.00	777.00	461.00	460.80	578.00	546.20	592.00	746.00	709.00
3750938.31	811.00	811.00	437.30	433.00	456.70	518.00	713.00	713.00	680.00
3749938.31	811.00	811.00	432.30	428.00	441.00	713.00	713.00	713.00	713.00
3748938.31	811.00	729.00	729.00	432.00	439.00	713.00	713.00	713.00	663.00
3747938.31	804.00	804.00	729.00	437.00	430.60	428.00	713.00	713.00	663.00
3746938.31	810.00	804.00	599.00	436.10	434.50	439.70	433.90	653.00	663.00
3745938.31	810.00	804.00	437.10	439.10	796.00	796.00	438.10	435.60	446.20
3744938.31	810.00	804.00	436.10	796.00	796.00	796.00	796.00	796.00	439.20
3743938.31	810.00	447.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3742938.31	453.00	463.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3741938.31	459.30	477.60	796.00	796.00	796.00	796.00	781.00	796.00	796.00

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3766938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1641.00	1771.00	1771.00	1771.00
3765938.31	1771.00	1771.00	1677.00	1771.00	1771.00	1677.00	1677.00	1771.00	1771.00
3764938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3763938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3762938.31	1677.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3761938.31	1677.00	1677.00	1677.00	1183.00	1677.00	1677.00	1771.00	1771.00	1771.00
3760938.31	1677.00	1611.00	1677.00	1677.00	1677.00	1771.00	1771.00	1771.00	1677.00
3759938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1771.00	1771.00	1677.00	1333.00
3758938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1677.00	1677.00	1677.00	1058.00
3757938.31	748.00	766.60	1200.00	1200.00	1194.00	836.20	847.10	1058.00	1058.00
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	799.00	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	754.00	772.00	780.00	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	741.00	744.00	859.00	818.00	784.40	793.40	782.90	776.00	774.50
3751938.31	702.00	859.00	869.00	869.00	781.00	816.00	826.50	936.00	936.00
3750938.31	679.00	869.00	799.00	869.00	792.00	773.00	791.00	936.00	936.00
3749938.31	782.00	860.00	774.00	749.00	819.00	819.00	753.00	936.00	936.00

3748938.31	644.00	670.00	716.00	711.00	783.00	783.00	745.00	748.00	726.00
3747938.31	618.00	800.00	800.00	800.00	830.00	830.00	1129.00	1147.00	1147.00
3746938.31	800.00	800.00	800.00	800.00	1147.00	1147.00	1168.00	1168.00	1168.00
3745938.31	800.00	1133.00	1133.00	1147.00	1168.00	1168.00	1168.00	1168.00	1168.00
3744938.31	1129.00	1147.00	1168.00	1168.00	1133.00	1168.00	1168.00	1016.00	1168.00
3743938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1133.00	1168.00	1078.00
3742938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00
3741938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

437508.5, 439508.5, 441508.5, 443508.5, 445508.5, 447508.5, 449508.5, 451508.5, 453508.5, 455508.5,
457508.5, 459508.5,

*** Y-COORDINATES OF GRID ***
(METERS)

3741938.3, 3743938.3, 3745938.3, 3747938.3, 3749938.3, 3751938.3, 3753938.3, 3755938.3, 3757938.3, 3759938.3,
3761938.3, 3763938.3, 3765938.3, 3767938.3,

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION) *** 08:08:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 437508.49	439508.49	441508.49	443508.49	445508.49	447508.49	449508.49	451508.49	453508.49
3767938.31	278.70	285.30	282.10	280.70	275.00	277.90	283.00	282.60	285.00
3765938.31	257.10	256.20	256.30	254.40	253.20	258.60	257.60	258.30	260.20
3763938.31	227.90	232.90	232.00	228.00	234.50	235.00	239.40	233.60	236.40
3761938.31	204.70	206.30	207.90	212.60	215.70	219.00	220.00	219.30	218.10
3759938.31	182.90	189.80	194.70	198.50	197.60	203.10	206.60	207.80	215.30
3757938.31	165.00	170.80	179.40	184.10	185.50	189.70	186.20	189.30	212.40
3755938.31	183.40	156.30	171.00	172.00	179.00	178.90	195.00	231.60	267.20
3753938.31	297.00	167.00	159.60	170.70	168.90	198.40	199.00	276.70	251.50
3751938.31	233.10	222.10	158.40	161.50	168.60	180.90	208.40	273.60	242.50
3749938.31	148.40	174.50	160.10	180.60	184.70	179.00	225.50	215.00	210.10
3747938.31	133.00	318.60	252.40	228.80	233.00	226.40	196.60	205.30	305.60
3745938.31	449.00	880.40	505.60	359.50	288.70	287.50	263.60	295.30	428.00
3743938.31	507.90	688.70	809.10	484.60	403.00	365.20	334.90	270.20	327.60
3741938.31	604.00	646.60	892.40	594.40	588.80	484.90	376.60	289.80	287.70

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION) *** 08:08:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 455508.49	457508.49	459508.49
3767938.31	295.60	307.30	319.90
3765938.31	321.20	388.30	531.10
3763938.31	243.00	265.10	290.90
3761938.31	221.90	253.30	388.40
3759938.31	214.80	250.90	265.00
3757938.31	224.10	219.40	249.20
3755938.31	250.40	224.30	238.90
3753938.31	221.70	244.50	243.40
3751938.31	216.40	230.00	262.40
3749938.31	239.70	253.60	296.10
3747938.31	401.50	370.00	386.10
3745938.31	375.20	438.60	417.00
3743938.31	372.40	417.00	417.00
3741938.31	398.00	428.80	438.30

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION) *** 08:08:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 437508.49	439508.49	441508.49	443508.49	445508.49	447508.49	449508.49	451508.49	453508.49
3767938.31	278.70	285.30	282.10	280.70	275.00	286.00	283.00	282.60	285.00
3765938.31	257.10	256.20	256.30	254.40	253.20	270.00	257.60	258.30	433.00
3763938.31	227.90	232.90	232.00	228.00	234.50	235.00	239.40	244.00	236.40
3761938.31	204.70	206.30	207.90	212.60	215.70	219.00	220.00	219.30	218.10
3759938.31	182.90	189.80	201.00	198.50	197.60	203.10	206.60	207.80	215.30
3757938.31	165.00	170.80	179.40	184.10	185.50	189.70	186.20	449.00	449.00
3755938.31	235.00	163.00	171.00	172.00	179.00	299.00	195.00	449.00	449.00

3753938.31	344.00	360.00	163.00	170.70	168.90	208.00	431.00	431.00	435.00
3751938.31	926.00	926.00	926.00	926.00	168.60	180.90	431.00	439.00	439.00
3749938.31	926.00	926.00	1207.00	1210.00	926.00	179.00	231.00	215.00	566.00
3747938.31	1211.00	1183.00	1211.00	1211.00	1211.00	1211.00	1207.00	481.00	481.00
3745938.31	926.00	926.00	1211.00	1211.00	1211.00	1211.00	1211.00	522.00	522.00
3743938.31	1183.00	1183.00	849.00	1211.00	1211.00	1211.00	1211.00	1211.00	522.00
3741938.31	1183.00	1211.00	1211.00	1211.00	1211.00	1211.00	1211.00	1211.00	1140.00

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 455508.49	457508.49	459508.49
3767938.31	295.60	677.00	677.00
3765938.31	532.00	677.00	677.00
3763938.31	677.00	677.00	677.00
3761938.31	221.90	371.00	419.00
3759938.31	214.80	385.00	399.00
3757938.31	224.10	231.00	249.20
3755938.31	250.40	224.30	238.90
3753938.31	221.70	303.00	243.40
3751938.31	216.40	230.00	262.40
3749938.31	566.00	566.00	296.10
3747938.31	566.00	566.00	393.00
3745938.31	466.00	444.00	417.00
3743938.31	411.00	417.00	417.00
3741938.31	468.00	428.80	698.00

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

484551.7, 484651.7, 484751.7, 484851.7, 484951.7, 485051.7, 485151.7, 485251.7, 485351.7, 485451.7,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.4, 3751034.4, 3751134.4, 3751234.4, 3751334.4, 3751434.4, 3751534.4, 3751634.4, 3751734.4, 3751834.4,
3751934.4, 3752034.4, 3752134.4, 3752234.4, 3752334.4, 3752434.4, 3752534.4, 3752634.4, 3752734.4, 3752834.4,
3752934.4, 3753034.4, 3753134.4, 3753234.4, 3753334.4, 3753434.4, 3753534.4, 3753634.4, 3753734.4, 3753834.4,
3753934.4, 3754034.4, 3754134.4, 3754234.4, 3754334.4, 3754434.4, 3754534.4, 3754634.4,

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	524.70	525.20	523.10	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	523.30	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	521.50	520.70	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	518.70	518.40	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	516.90	518.10	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	518.10	514.80	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	517.70	512.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	515.80	511.30	512.10	511.60	512.10	508.80	506.80	509.90	509.10
3753834.43	510.50	509.90	507.90	511.00	507.90	508.00	508.50	506.70	502.40
3753734.43	507.90	507.90	506.50	506.80	505.40	503.10	508.40	504.90	503.30
3753634.43	505.40	508.10	501.40	503.70	503.70	503.30	503.20	503.00	502.00
3753534.43	502.40	500.60	501.10	505.00	504.30	501.80	501.10	498.80	499.90
3753434.43	498.20	500.10	501.50	501.30	502.50	501.60	499.50	497.50	498.00
3753334.43	498.80	499.20	497.80	498.20	498.30	499.50	497.40	496.00	496.90
3753234.43	496.80	496.00	496.70	497.80	496.40	495.20	496.20	494.90	496.00
3753134.43	498.10	497.00	494.60	493.00	495.50	495.30	497.10	492.90	491.50
3753034.43	494.30	493.10	494.60	493.00	494.00	492.80	493.70	491.30	491.10
3752934.43	487.60	488.10	490.80	488.60	490.80	489.70	490.10	490.20	488.40
3752834.43	488.90	488.00	489.10	488.80	488.50	487.50	487.80	490.40	486.40
3752734.43	486.30	487.90	485.40	485.50	485.30	487.90	484.30	486.00	484.80
3752634.43	486.90	484.10	487.00	485.90	483.90	490.10	488.80	486.00	483.20
3752534.43	483.40	482.40	478.60	483.50	481.50	482.10	483.90	481.50	482.60
3752434.43	480.00	484.30	482.60	483.00	481.10	477.10	483.10	479.20	483.50
3752334.43	478.40	481.10	480.70	479.00	480.30	479.30	481.40	480.90	483.80
3752234.43	475.80	477.00	481.50	478.90	478.30	472.50	481.10	479.50	483.70
3752134.43	475.40	478.80	479.20	479.80	480.70	479.50	480.70	485.90	491.70
3752034.43	480.20	481.20	476.20	478.10	482.00	478.70	482.40	487.10	493.80
3751934.43	475.60	477.20	479.30	478.60	479.40	482.60	487.80	490.10	497.20
3751834.43	475.90	478.80	480.40	483.60	480.90	486.20	491.70	498.90	506.50
3751734.43	482.60	483.70	490.40	491.10	488.70	490.80	495.50	501.30	512.70
3751634.43	487.30	492.60	492.30	493.50	495.90	493.70	501.30	512.90	527.00
3751534.43	490.70	494.00	501.90	502.10	505.60	504.10	514.20	535.70	561.00
3751434.43	495.40	502.10	507.10	510.40	512.40	522.30	540.90	563.70	601.20
3751334.43	500.20	504.10	509.30	515.40	516.70	531.00	556.50	596.00	635.10

3751234.43	504.80	510.60	515.40	521.50	530.10	547.10	570.50	612.20	650.20
3751134.43	512.40	513.00	516.40	540.90	547.30	559.70	574.00	609.80	636.10
3751034.43	514.10	518.70	538.20	566.60	558.70	570.80	594.70	631.60	660.00
3750934.43	532.10	531.70	564.30	576.10	577.60	587.10	618.00	658.00	693.50

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION) *** 08:08:47
PAGE 44

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	516.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	507.50
3753934.43	507.60
3753834.43	504.10
3753734.43	502.70
3753634.43	500.40
3753534.43	500.80
3753434.43	497.40
3753334.43	496.10
3753234.43	494.70
3753134.43	492.30
3753034.43	491.70
3752934.43	485.90
3752834.43	487.20
3752734.43	485.10
3752634.43	485.10
3752534.43	484.10
3752434.43	485.40
3752334.43	484.70
3752234.43	491.00
3752134.43	493.80
3752034.43	502.20
3751934.43	504.90
3751834.43	515.40
3751734.43	523.90
3751634.43	548.80
3751534.43	594.90
3751434.43	642.40
3751334.43	689.90
3751234.43	687.90
3751134.43	679.30
3751034.43	697.10
3750934.43	732.40

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION) *** 08:08:47
PAGE 45

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	615.00	527.00	526.00	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	615.00	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	616.00	615.00	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	616.00	615.00	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	616.00	615.00	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	616.00	615.00	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	615.00	615.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	615.00	559.00	512.10	511.60	512.10	508.80	811.00	811.00	811.00
3753834.43	615.00	559.00	507.90	511.00	811.00	811.00	811.00	811.00	811.00
3753734.43	613.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00

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 3751034.43 |        811.00       811.00       811.00       811.00       811.00       811.00       811.00       811.00       811.00
 3750934.43 |        811.00       811.00       811.00       811.00       811.00       811.00       811.00       811.00       811.00
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                                  ***        11/29/12
                                    *** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION)                              ***        08:08:47
                                                                                                                          PAGE  46
 **MODELOPTs:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                 *** NETWORK ID: UCART3   ;  NETWORK TYPE: GRIDCART ***

                                            * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     485451.71
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3754634.43 |        521.00
 3754534.43 |        520.00
 3754434.43 |        517.30
 3754334.43 |        515.90
 3754234.43 |        512.70
 3754134.43 |        511.30
 3754034.43 |        811.00
 3753934.43 |        811.00
 3753834.43 |        811.00
 3753734.43 |        811.00
 3753634.43 |        811.00
 3753534.43 |        811.00
 3753434.43 |        811.00
 3753334.43 |        811.00
 3753234.43 |        811.00
 3753134.43 |        811.00
 3753034.43 |        811.00
 3752934.43 |        811.00
 3752834.43 |        811.00
 3752734.43 |        811.00
 3752634.43 |        811.00
 3752534.43 |        811.00
 3752434.43 |        811.00
 3752334.43 |        811.00
 3752234.43 |        811.00
 3752134.43 |        811.00
 3752034.43 |        811.00
 3751934.43 |        811.00
 3751834.43 |        811.00
 3751734.43 |        811.00
 3751634.43 |        811.00
 3751534.43 |        811.00
 3751434.43 |        811.00
 3751334.43 |        811.00
 3751234.43 |        811.00
 3751134.43 |        811.00
 3751034.43 |        811.00
 3750934.43 |        811.00
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                                  ***        11/29/12
                                    *** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION)                              ***        08:08:47
                                                                                                                          PAGE  47
 **MODELOPTs:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                      *** GRIDDED RECEPTOR NETWORK SUMMARY ***

                                 *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                        *** X-COORDINATES OF GRID ***
                                                (METERS)

       485549.5,  485649.5,  485749.5,  485849.5,

                                        *** Y-COORDINATES OF GRID ***
                                                (METERS)

      3750934.9, 3751034.9, 3751134.9, 3751234.9, 3751334.9, 3751434.9, 3751534.9, 3751634.9, 3751734.9, 3751834.9,
      3751934.9, 3752034.9, 3752134.9, 3752234.9, 3752334.9, 3752434.9, 3752534.9, 3752634.9, 3752734.9, 3752834.9,
      3752934.9, 3753034.9, 3753134.9, 3753234.9, 3753334.9, 3753434.9,
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                                  ***        11/29/12
                                    *** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION)                              ***        08:08:47
                                                                                                                          PAGE  48
 **MODELOPTs:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                 *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                            * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     485549.47    485649.47    485749.47    485849.47
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3753434.90 |        497.00       494.70       493.80       492.50
 3753334.90 |        495.20       494.30       494.20       494.90
 3753234.90 |        493.20       495.50       492.40       492.80
 3753134.90 |        490.00       490.70       490.50       489.50
 3753034.90 |        490.20       491.70       489.20       490.10
 3752934.90 |        488.20       488.60       486.50       488.00
 3752834.90 |        489.00       487.30       488.80       488.50
 3752734.90 |        488.90       487.30       487.40       486.30
 3752634.90 |        486.00       486.60       486.90       486.00
 3752534.90 |        486.00       484.20       484.00       486.00
 3752434.90 |        485.70       485.00       488.10       493.30
 3752334.90 |        489.50       491.30       494.00       502.10
 3752234.90 |        493.50       496.70       497.00       506.50
 3752134.90 |        498.50       502.00       503.90       507.60
 3752034.90 |        508.20       508.10       511.20       522.80
 3751934.90 |        513.90       513.00       519.30       532.40
 3751834.90 |        518.10       529.70       538.40       559.00
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 3751734.90 |        531.80       533.60       558.40       605.00
 3751634.90 |        557.00       570.60       588.90       622.30
 3751534.90 |        599.00       611.20       626.10       628.30
 3751434.90 |        659.50       664.00       669.40       643.70
 3751334.90 |        702.50       703.50       696.20       663.60
 3751234.90 |        708.30       736.50       713.70       692.00
 3751134.90 |        720.70       748.90       725.50       720.30
 3751034.90 |        744.10       769.60       738.00       734.40
 3750934.90 |        771.00       782.40       753.40       754.20
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                          ***        11/29/12
                                    *** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION)                     ***        08:08:47
                                                                                                                 PAGE  49
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                         FASTALL

                                 *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                            * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                        X-COORD (METERS)
    (METERS) |     485549.47    485649.47    485749.47    485849.47
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3753434.90 |        811.00       811.00       811.00       811.00
 3753334.90 |        811.00       811.00       811.00       811.00
 3753234.90 |        811.00       811.00       811.00       811.00
 3753134.90 |        811.00       811.00       811.00       811.00
 3753034.90 |        811.00       811.00       811.00       811.00
 3752934.90 |        811.00       811.00       811.00       811.00
 3752834.90 |        811.00       811.00       811.00       811.00
 3752734.90 |        811.00       811.00       811.00       811.00
 3752634.90 |        811.00       811.00       811.00       811.00
 3752534.90 |        811.00       811.00       811.00       811.00
 3752434.90 |        811.00       811.00       811.00       811.00
 3752334.90 |        811.00       811.00       811.00       811.00
 3752234.90 |        811.00       811.00       811.00       811.00
 3752134.90 |        811.00       811.00       811.00       811.00
 3752034.90 |        811.00       811.00       811.00       811.00
 3751934.90 |        811.00       811.00       811.00       811.00
 3751834.90 |        811.00       811.00       811.00       811.00
 3751734.90 |        811.00       811.00       811.00       811.00
 3751634.90 |        811.00       811.00       811.00       811.00
 3751534.90 |        811.00       811.00       811.00       811.00
 3751434.90 |        811.00       811.00       811.00       811.00
 3751334.90 |        811.00       811.00       811.00       811.00
 3751234.90 |        811.00       811.00       811.00       811.00
 3751134.90 |        811.00       811.00       811.00       811.00
 3751034.90 |        811.00       798.00       811.00       811.00
 3750934.90 |        798.00       798.00       811.00       811.00
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                          ***        11/29/12
                                    *** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION)                     ***        08:08:47
                                                                                                                 PAGE  50
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                         FASTALL

                                         *** DISCRETE CARTESIAN RECEPTORS ***
                                     (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     ( 485619.4, 3753969.7,     505.7,     811.0,       0.0);         ( 485713.0, 3753961.9,     506.6,     811.0,       0.0);
     ( 487190.8, 3754410.3,     509.4,     776.0,       0.0);         ( 487194.8, 3754289.5,     507.2,     777.0,       0.0);
     ( 487268.8, 3754090.6,     503.1,     777.0,       0.0);         ( 487483.3, 3754102.3,     502.0,     777.0,       0.0);
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                          ***        11/29/12
                                    *** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION)                     ***        08:08:47
                                                                                                                 PAGE  51
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                         FASTALL

                       * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
                         LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL


                              SOURCE          - - RECEPTOR LOCATION - -         DISTANCE
                                ID            XR (METERS)   YR (METERS)         (METERS)
                           - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                              L0111533            485553.0     3754938.3            -8.64
                              L0111534            485553.0     3754938.3            -0.74
                              L0111618            487190.8     3754410.3            -0.17
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                          ***        11/29/12
                                    *** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION)                     ***        08:08:47
                                                                                                                 PAGE  52
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                         FASTALL

                                         *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                   (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: RIVR2.SFC Met Version: 11059
Profile file: RIVR2.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 2 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2005 Year: 2005

First 24 hours of scalar data

YR	MO	DY	JDY	HR	HO	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	ZO	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
05	01	01	1	01	-7.5	0.135	-9.000	-9.000	-999.	115.	29.0	0.39	1.00	1.00	1.60	338.	9.1	279.2	5.5
05	01	01	1	02	-2.2	0.057	-9.000	-9.000	-999.	34.	7.4	0.39	1.00	1.00	0.90	264.	9.1	279.2	5.5
05	01	01	1	03	-4.0	0.070	-9.000	-9.000	-999.	42.	7.4	0.39	1.00	1.00	1.10	54.	9.1	278.8	5.5
05	01	01	1	04	-1.6	0.044	-9.000	-9.000	-999.	21.	4.7	0.39	1.00	1.00	0.70	360.	9.1	278.8	5.5
05	01	01	1	05	-2.7	0.063	-9.000	-9.000	-999.	37.	8.2	0.39	1.00	1.00	1.00	318.	9.1	278.1	5.5
05	01	01	1	06	-2.8	0.070	-9.000	-9.000	-999.	42.	10.5	0.39	1.00	1.00	1.10	53.	9.1	277.5	5.5
05	01	01	1	07	-3.8	0.070	-9.000	-9.000	-999.	42.	7.7	0.39	1.00	1.00	1.10	134.	9.1	278.8	5.5
05	01	01	1	08	-2.3	0.057	-9.000	-9.000	-999.	31.	7.0	0.39	1.00	0.53	0.90	319.	9.1	278.8	5.5
05	01	01	1	09	29.7	0.193	0.388	0.005	69.	195.	-21.1	0.39	1.00	0.32	1.20	110.	9.1	282.0	5.5
05	01	01	1	10	78.5	0.248	1.193	0.005	760.	285.	-17.1	0.39	1.00	0.25	1.50	107.	9.1	284.2	5.5
05	01	01	1	11	118.9	0.316	1.511	0.007	1020.	409.	-23.3	0.39	1.00	0.22	2.00	122.	9.1	285.9	5.5
05	01	01	1	12	132.2	0.238	1.665	0.009	1227.	270.	-9.0	0.39	1.00	0.21	1.30	154.	9.1	287.0	5.5
05	01	01	1	13	80.9	0.249	1.421	0.009	1245.	286.	-16.8	0.39	1.00	0.21	1.50	166.	9.1	287.0	5.5
05	01	01	1	14	80.7	0.305	1.427	0.009	1263.	388.	-31.0	0.39	1.00	0.23	2.00	235.	9.1	287.5	5.5
05	01	01	1	15	36.6	0.321	1.098	0.009	1270.	419.	-79.5	0.39	1.00	0.26	2.30	305.	9.1	286.4	5.5
05	01	01	1	16	1.2	0.206	0.354	0.009	1271.	221.	-629.7	0.39	1.00	0.35	1.60	292.	9.1	285.9	5.5
05	01	01	1	17	-11.9	0.181	-9.000	-9.000	-999.	178.	44.1	0.39	1.00	0.63	1.90	280.	9.1	285.4	5.5
05	01	01	1	18	-17.1	0.313	-9.000	-9.000	-999.	404.	158.3	0.39	1.00	1.00	2.70	304.	9.1	284.2	5.5
05	01	01	1	19	-8.7	0.159	-9.000	-9.000	-999.	161.	40.6	0.39	1.00	1.00	1.70	311.	9.1	283.8	5.5
05	01	01	1	20	-3.8	0.070	-9.000	-9.000	-999.	48.	7.8	0.39	1.00	1.00	1.10	13.	9.1	283.1	5.5
05	01	01	1	21	-4.7	0.076	-9.000	-9.000	-999.	48.	8.2	0.39	1.00	1.00	1.20	8.	9.1	282.0	5.5
05	01	01	1	22	-2.1	0.051	-9.000	-9.000	-999.	26.	5.4	0.39	1.00	1.00	0.80	183.	9.1	280.9	5.5
05	01	01	1	23	-2.1	0.051	-9.000	-9.000	-999.	26.	5.4	0.39	1.00	1.00	0.80	16.	9.1	280.4	5.5
05	01	01	1	24	-2.1	0.051	-9.000	-9.000	-999.	26.	5.4	0.39	1.00	1.00	0.80	62.	9.1	279.9	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
05	01	01	01	5.5	0	-999.	-99.00	279.3	99.0	-99.00	-99.00
05	01	01	01	9.1	1	338.	1.60	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	0.00201	0.00207	0.00213	0.00219	0.00227	0.00232	0.00240	0.00248	0.00257
3766938.31	0.00207	0.00209	0.00214	0.00222	0.00228	0.00234	0.00244	0.00279	0.00265
3765938.31	0.00208	0.00229	0.00219	0.00225	0.00233	0.00238	0.00253	0.00286	0.00275
3764938.31	0.00208	0.00225	0.00231	0.00230	0.00236	0.00242	0.00253	0.00269	0.00281
3763938.31	0.00208	0.00232	0.00221	0.00229	0.00236	0.00246	0.00258	0.00273	0.00291
3762938.31	0.00206	0.00214	0.00222	0.00228	0.00239	0.00251	0.00264	0.00280	0.00300
3761938.31	0.00204	0.00212	0.00221	0.00230	0.00242	0.00254	0.00269	0.00286	0.00308
3760938.31	0.00204	0.00213	0.00222	0.00236	0.00246	0.00259	0.00275	0.00293	0.00316
3759938.31	0.00207	0.00214	0.00235	0.00237	0.00250	0.00264	0.00280	0.00299	0.00322
3758938.31	0.00209	0.00219	0.00230	0.00242	0.00254	0.00268	0.00285	0.00303	0.00327
3757938.31	0.00214	0.00223	0.00234	0.00249	0.00259	0.00270	0.00288	0.00310	0.00335
3756938.31	0.00213	0.00224	0.00235	0.00248	0.00264	0.00283	0.00300	0.00314	0.00341
3755938.31	0.00212	0.00223	0.00234	0.00248	0.00263	0.00288	0.00309	0.00338	0.00349
3754938.31	0.00209	0.00220	0.00233	0.00247	0.00263	0.00292	0.00314	0.00342	0.00372
3753938.31	0.00207	0.00217	0.00229	0.00242	0.00263	0.00287	0.00310	0.00343	0.00370
3752938.31	0.00203	0.00213	0.00226	0.00240	0.00259	0.00284	0.00311	0.00337	0.00358
3751938.31	0.00199	0.00208	0.00219	0.00234	0.00252	0.00273	0.00295	0.00318	0.00341
3750938.31	0.00195	0.00205	0.00218	0.00229	0.00239	0.00261	0.00287	0.00304	0.00321
3749938.31	0.00191	0.00199	0.00215	0.00232	0.00242	0.00252	0.00269	0.00284	0.00283
3748938.31	0.00190	0.00188	0.00201	0.00216	0.00230	0.00242	0.00248	0.00214	0.00246
3747938.31	0.00186	0.00195	0.00192	0.00201	0.00216	0.00186	0.00198	0.00205	0.00243
3746938.31	0.00181	0.00193	0.00199	0.00197	0.00211	0.00225	0.00237	0.00247	0.00255
3745938.31	0.00176	0.00187	0.00192	0.00195	0.00200	0.00214	0.00228	0.00233	0.00233
3744938.31	0.00170	0.00179	0.00184	0.00190	0.00200	0.00213	0.00185	0.00218	0.00227
3743938.31	0.00165	0.00171	0.00179	0.00188	0.00196	0.00205	0.00218	0.00229	0.00240
3742938.31	0.00165	0.00172	0.00182	0.00180	0.00185	0.00187	0.00215	0.00202	0.00187
3741938.31	0.00168	0.00138	0.00135	0.00141	0.00128	0.00149	0.00148	0.00134	0.00173

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,

L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	0.00267	0.00277	0.00290	0.00302	0.00316	0.00333	0.00349	0.00367	0.00388
3766938.31	0.00280	0.00298	0.00312	0.00323	0.00349	0.00371	0.00378	0.00398	0.00420
3765938.31	0.00292	0.00312	0.00355	0.00344	0.00374	0.00408	0.00435	0.00450	0.00475
3764938.31	0.00300	0.00324	0.00271	0.00391	0.00390	0.00435	0.00444	0.00437	0.00493
3763938.31	0.00312	0.00336	0.00380	0.00402	0.00420	0.00448	0.00480	0.00467	0.00417
3762938.31	0.00318	0.00347	0.00376	0.00409	0.00453	0.00465	0.00523	0.00546	0.00562
3761938.31	0.00353	0.00338	0.00347	0.00439	0.00376	0.00304	0.00371	0.00483	0.00617
3760938.31	0.00357	0.00403	0.00324	0.00333	0.00426	0.00406	0.00338	0.00371	0.00537
3759938.31	0.00350	0.00383	0.00305	0.00267	0.00427	0.00526	0.00547	0.00400	0.00586
3758938.31	0.00357	0.00399	0.00272	0.00274	0.00427	0.00560	0.00627	0.00673	0.00673
3757938.31	0.00375	0.00416	0.00451	0.00281	0.00313	0.00567	0.00680	0.00753	0.00791
3756938.31	0.00385	0.00437	0.00475	0.00500	0.00357	0.00583	0.00713	0.00822	0.00928
3755938.31	0.00406	0.00449	0.00479	0.00533	0.00579	0.00647	0.00737	0.00849	0.00999
3754938.31	0.00405	0.00440	0.00479	0.00529	0.00590	0.00667	0.00761	0.00879	0.01033
3753938.31	0.00400	0.00420	0.00464	0.00511	0.00568	0.00643	0.00735	0.00849	0.01000
3752938.31	0.00379	0.00412	0.00448	0.00486	0.00540	0.00604	0.00684	0.00784	0.00918
3751938.31	0.00354	0.00355	0.00414	0.00458	0.00500	0.00554	0.00621	0.00706	0.00819
3750938.31	0.00315	0.00319	0.00373	0.00423	0.00459	0.00503	0.00563	0.00634	0.00732
3749938.31	0.00269	0.00280	0.00318	0.00391	0.00425	0.00465	0.00514	0.00581	0.00663
3748938.31	0.00252	0.00274	0.00306	0.00356	0.00401	0.00436	0.00482	0.00539	0.00607
3747938.31	0.00255	0.00276	0.00302	0.00332	0.00383	0.00414	0.00452	0.00501	0.00560
3746938.31	0.00248	0.00274	0.00299	0.00316	0.00353	0.00393	0.00424	0.00467	0.00517
3745938.31	0.00233	0.00269	0.00291	0.00311	0.00332	0.00372	0.00400	0.00436	0.00482
3744938.31	0.00246	0.00267	0.00281	0.00297	0.00301	0.00352	0.00377	0.00410	0.00455
3743938.31	0.00249	0.00255	0.00268	0.00281	0.00296	0.00336	0.00359	0.00391	0.00435
3742938.31	0.00217	0.00225	0.00238	0.00258	0.00280	0.00318	0.00347	0.00375	0.00419
3741938.31	0.00170	0.00186	0.00207	0.00233	0.00244	0.00254	0.00325	0.00366	0.00404

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION) *** 08:08:47
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	0.00413	0.00438	0.00467	0.00496	0.00529	0.00563	0.00593	0.00608	0.00597
3766938.31	0.00441	0.00482	0.00510	0.00547	0.00589	0.00627	0.00653	0.00633	0.00614
3765938.31	0.00498	0.00509	0.00572	0.00610	0.00657	0.00687	0.00700	0.00674	0.00624
3764938.31	0.00547	0.00576	0.00599	0.00666	0.00719	0.00744	0.00733	0.00694	0.00643
3763938.31	0.00513	0.00641	0.00689	0.00732	0.00795	0.00865	0.00741	0.00682	0.00664
3762938.31	0.00473	0.00525	0.00762	0.00836	0.00919	0.00993	0.01054	0.01040	0.00931
3761938.31	0.00515	0.00477	0.00731	0.00763	0.01034	0.01168	0.01273	0.01181	0.01129
3760938.31	0.00618	0.00493	0.00537	0.00678	0.00837	0.01100	0.01513	0.01651	0.01632
3759938.31	0.00513	0.00585	0.00610	0.00682	0.00818	0.01143	0.01548	0.01899	0.01916
3758938.31	0.00547	0.00617	0.00777	0.00843	0.00969	0.01228	0.01530	0.01578	0.01887
3757938.31	0.00685	0.00701	0.00835	0.01172	0.01297	0.01780	0.01914	0.02226	0.02368
3756938.31	0.00968	0.01053	0.01087	0.01304	0.02158	0.02643	0.03319	0.03965	0.03941
3755938.31	0.01184	0.01395	0.01693	0.02241	0.02921	0.04229	0.06883	0.11225	0.09614
3754938.31	0.01243	0.01538	0.01972	0.02655	0.03797	0.06225	0.34846	0.56231	0.80766
3753938.31	0.01201	0.01509	0.01961	0.02670	0.03741	0.06530	0.12980	0.55963	0.78967
3752938.31	0.01085	0.01337	0.01696	0.02259	0.03229	0.05301	0.12083	0.45182	0.71253
3751938.31	0.00963	0.01158	0.01434	0.01853	0.02523	0.03889	0.06948	0.07209	0.15987
3750938.31	0.00849	0.01013	0.01222	0.01558	0.02124	0.02839	0.02405	0.03633	0.07771
3749938.31	0.00768	0.00900	0.01114	0.01335	0.01736	0.02032	0.02384	0.03810	0.06044
3748938.31	0.00696	0.00815	0.00945	0.00656	0.01431	0.02044	0.02644	0.03408	0.03974
3747938.31	0.00634	0.00738	0.00545	0.00717	0.01383	0.01737	0.02128	0.02611	0.02579
3746938.31	0.00583	0.00684	0.00829	0.01007	0.01229	0.01476	0.01751	0.01951	0.02413
3745938.31	0.00545	0.00632	0.00754	0.00921	0.01092	0.01273	0.01345	0.01124	0.01874
3744938.31	0.00515	0.00596	0.00703	0.00829	0.00976	0.01120	0.00699	0.01406	0.01549
3743938.31	0.00492	0.00568	0.00659	0.00761	0.00871	0.00529	0.01078	0.01173	0.01316
3742938.31	0.00473	0.00538	0.00618	0.00707	0.00796	0.00863	0.00929	0.01022	0.01131
3741938.31	0.00455	0.00516	0.00582	0.00654	0.00726	0.00769	0.00826	0.00903	0.00996

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION) *** 08:08:47
PAGE 57

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	0.00584	0.00550	0.00467	0.00413	0.00370	0.00299	0.00320	0.00323	0.00294

3766938.31	0.00553	0.00524	0.00457	0.00457	0.00420	0.00396	0.00382	0.00345	0.00307
3765938.31	0.00573	0.00550	0.00583	0.00585	0.00518	0.00459	0.00408	0.00359	0.00329
3764938.31	0.00644	0.00688	0.00678	0.00649	0.00578	0.00485	0.00435	0.00388	0.00359
3763938.31	0.00736	0.00763	0.00819	0.00687	0.00628	0.00544	0.00465	0.00427	0.00406
3762938.31	0.01091	0.01062	0.00908	0.00780	0.00658	0.00581	0.00513	0.00484	0.00458
3761938.31	0.00981	0.00946	0.00873	0.00804	0.00717	0.00633	0.00591	0.00553	0.00527
3760938.31	0.01352	0.01095	0.01045	0.00916	0.00805	0.00764	0.00703	0.00652	0.00598
3759938.31	0.02090	0.01879	0.01447	0.01183	0.01016	0.00934	0.00838	0.00763	0.00684
3758938.31	0.01700	0.01652	0.01704	0.01403	0.01420	0.01172	0.01029	0.00865	0.00785
3757938.31	0.02241	0.02023	0.01846	0.01652	0.01432	0.01392	0.01105	0.00967	0.00851
3756938.31	0.03377	0.03015	0.02596	0.02120	0.01716	0.01516	0.01356	0.01111	0.00955
3755938.31	0.07597	0.05076	0.03807	0.02820	0.02274	0.01831	0.01525	0.01313	0.01110
3754938.31	0.53552	0.12974	0.07076	0.04375	0.03039	0.02459	0.01892	0.01499	0.01270
3753938.31	0.59621	0.51924	0.16509	0.07616	0.05238	0.03377	0.02809	0.01991	0.01459
3752938.31	1.95887	0.73137	0.55824	0.15706	0.09648	0.05581	0.03908	0.02612	0.01668
3751938.31	0.22020	0.22676	0.21051	0.15102	0.10449	0.06565	0.04687	0.03200	0.02029
3750938.31	0.11158	0.11566	0.11079	0.09456	0.08098	0.06863	0.05508	0.03861	0.02324
3749938.31	0.06860	0.07347	0.07241	0.06661	0.06000	0.05368	0.04708	0.02735	0.02469
3748938.31	0.04830	0.05138	0.05219	0.04988	0.04579	0.04148	0.03748	0.03050	0.01973
3747938.31	0.03512	0.03811	0.03965	0.03911	0.03647	0.03350	0.03100	0.02888	0.02676
3746938.31	0.02677	0.03081	0.03114	0.03118	0.02996	0.02827	0.02617	0.02451	0.02327
3745938.31	0.02122	0.02357	0.02508	0.02556	0.02512	0.02388	0.02249	0.02112	0.02012
3744938.31	0.01743	0.01941	0.02064	0.02126	0.02123	0.02055	0.01958	0.01854	0.01761
3743938.31	0.01473	0.01629	0.01743	0.01808	0.01860	0.01823	0.01719	0.01646	0.01571
3742938.31	0.01265	0.01400	0.01509	0.01585	0.01471	0.00886	0.01000	0.01478	0.01424
3741938.31	0.01104	0.01219	0.01316	0.01219	0.01012	0.00818	0.00770	0.01331	0.01294

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	0.00265	0.00224	0.00204	0.00172	0.00116	0.00085	0.00063	0.00046	0.00032
3766938.31	0.00282	0.00239	0.00199	0.00179	0.00115	0.00041	0.00042	0.00041	0.00042
3765938.31	0.00305	0.00250	0.00141	0.00167	0.00130	0.00057	0.00048	0.00047	0.00058
3764938.31	0.00343	0.00297	0.00267	0.00268	0.00154	0.00099	0.00090	0.00087	0.00065
3763938.31	0.00387	0.00370	0.00347	0.00316	0.00268	0.00163	0.00144	0.00148	0.00109
3762938.31	0.00435	0.00420	0.00367	0.00327	0.00289	0.00247	0.00202	0.00173	0.00148
3761938.31	0.00498	0.00462	0.00397	0.00217	0.00308	0.00249	0.00261	0.00243	0.00192
3760938.31	0.00555	0.00500	0.00430	0.00385	0.00342	0.00328	0.00295	0.00272	0.00234
3759938.31	0.00609	0.00548	0.00496	0.00451	0.00409	0.00367	0.00335	0.00299	0.00274
3758938.31	0.00680	0.00600	0.00532	0.00485	0.00446	0.00414	0.00388	0.00355	0.00313
3757938.31	0.00744	0.00660	0.00595	0.00545	0.00502	0.00461	0.00428	0.00399	0.00367
3756938.31	0.00841	0.00744	0.00663	0.00600	0.00548	0.00503	0.00466	0.00433	0.00404
3755938.31	0.00961	0.00847	0.00753	0.00673	0.00608	0.00552	0.00501	0.00459	0.00423
3754938.31	0.01082	0.00934	0.00811	0.00720	0.00640	0.00579	0.00528	0.00486	0.00451
3753938.31	0.01217	0.01044	0.00907	0.00792	0.00702	0.00629	0.00571	0.00522	0.00482
3752938.31	0.01413	0.01174	0.01011	0.00873	0.00780	0.00696	0.00631	0.00575	0.00526
3751938.31	0.01641	0.01371	0.01119	0.00964	0.00862	0.00761	0.00683	0.00631	0.00581
3750938.31	0.01967	0.01585	0.01230	0.01072	0.00939	0.00831	0.00741	0.00675	0.00601
3749938.31	0.02773	0.02028	0.01425	0.01185	0.01041	0.00894	0.00801	0.00720	0.00652
3748938.31	0.02158	0.02168	0.01599	0.01287	0.01121	0.01016	0.00891	0.00838	0.00728
3747938.31	0.01814	0.02189	0.01505	0.01383	0.01165	0.00989	0.00984	0.00909	0.00871
3746938.31	0.02216	0.02065	0.01241	0.01157	0.01201	0.01064	0.01073	0.01036	0.00917
3745938.31	0.01924	0.01852	0.01633	0.01420	0.01272	0.01311	0.01096	0.00845	0.00753
3744938.31	0.01686	0.01616	0.01560	0.01523	0.00795	0.00792	0.00782	0.00651	0.00649
3743938.31	0.01504	0.01446	0.01395	0.01356	0.01269	0.00689	0.00578	0.00590	0.00525
3742938.31	0.01361	0.01312	0.01269	0.01236	0.01211	0.00964	0.00619	0.00510	0.00434
3741938.31	0.01246	0.01204	0.01164	0.01135	0.01109	0.01089	0.01072	0.00652	0.00482

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 437508.49	439508.49	441508.49	443508.49	445508.49	447508.49	449508.49	451508.49	453508.49
3767938.31	0.00107	0.00112	0.00116	0.00122	0.00127	0.00133	0.00140	0.00147	0.00155
3765938.31	0.00106	0.00110	0.00115	0.00120	0.00126	0.00132	0.00139	0.00147	0.00155
3763938.31	0.00107	0.00111	0.00115	0.00120	0.00126	0.00132	0.00139	0.00146	0.00154
3761938.31	0.00107	0.00111	0.00116	0.00122	0.00127	0.00133	0.00140	0.00147	0.00155
3759938.31	0.00106	0.00111	0.00116	0.00122	0.00127	0.00134	0.00142	0.00149	0.00158
3757938.31	0.00103	0.00108	0.00114	0.00119	0.00126	0.00132	0.00140	0.00148	0.00159
3755938.31	0.00103	0.00106	0.00112	0.00117	0.00123	0.00130	0.00138	0.00149	0.00161
3753938.31	0.00108	0.00105	0.00109	0.00114	0.00120	0.00128	0.00135	0.00149	0.00155
3751938.31	0.00101	0.00105	0.00106	0.00111	0.00116	0.00123	0.00131	0.00143	0.00149
3749938.31	0.00095	0.00100	0.00103	0.00109	0.00114	0.00119	0.00127	0.00133	0.00140
3747938.31	0.00092	0.00105	0.00105	0.00107	0.00112	0.00116	0.00118	0.00124	0.00137
3745938.31	0.00108	0.00045	0.00101	0.00109	0.00108	0.00111	0.00114	0.00121	0.00140
3743938.31	0.00085	0.00043	0.00039	0.00114	0.00110	0.00111	0.00113	0.00113	0.00123

3741938.31	0.00044	0.00044	0.00035	0.00054	0.00059	0.00118	0.00112	0.00110	0.00115

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION) *** 08:08:47
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 455508.49	457508.49	459508.49
3767938.31	0.00166	0.00177	0.00189
3765938.31	0.00171	0.00191	0.00173
3763938.31	0.00165	0.00178	0.00193
3761938.31	0.00165	0.00178	0.00210
3759938.31	0.00168	0.00182	0.00196
3757938.31	0.00170	0.00182	0.00199
3755938.31	0.00170	0.00179	0.00195
3753938.31	0.00162	0.00176	0.00189
3751938.31	0.00155	0.00167	0.00182
3749938.31	0.00150	0.00160	0.00175
3747938.31	0.00155	0.00158	0.00169
3745938.31	0.00140	0.00156	0.00161
3743938.31	0.00133	0.00146	0.00154
3741938.31	0.00131	0.00142	0.00152

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION) *** 08:08:47
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	0.06720	0.07187	0.07768	0.08354	0.09037	0.10087	0.11341	0.13075	0.15857
3754534.43	0.06749	0.07212	0.07816	0.08463	0.09234	0.10115	0.11418	0.13128	0.15936
3754434.43	0.06749	0.07242	0.07807	0.08464	0.09213	0.10183	0.11392	0.13067	0.15799
3754334.43	0.06735	0.07222	0.07767	0.08404	0.09194	0.10136	0.11300	0.12843	0.15291
3754234.43	0.06704	0.07165	0.07724	0.08363	0.09120	0.10010	0.11132	0.12525	0.14432
3754134.43	0.06623	0.07138	0.07672	0.08303	0.09051	0.09919	0.10945	0.12183	0.13701
3754034.43	0.06555	0.07104	0.07630	0.08245	0.08956	0.09786	0.10749	0.11902	0.13214
3753934.43	0.06517	0.07046	0.07553	0.08151	0.08830	0.09657	0.10584	0.11687	0.12879
3753834.43	0.06536	0.06987	0.07500	0.08062	0.08751	0.09529	0.10429	0.11462	0.12496
3753734.43	0.06479	0.06920	0.07418	0.07987	0.08639	0.09377	0.10262	0.11254	0.12278
3753634.43	0.06393	0.06828	0.07289	0.07870	0.08509	0.09242	0.10084	0.11041	0.12025
3753534.43	0.06273	0.06681	0.07168	0.07740	0.08362	0.09057	0.09863	0.10723	0.11700
3753434.43	0.06107	0.06546	0.07027	0.07555	0.08164	0.08849	0.09601	0.10435	0.11325
3753334.43	0.05984	0.06389	0.06824	0.07336	0.07915	0.08596	0.09318	0.10132	0.10974
3753234.43	0.05825	0.06203	0.06643	0.07146	0.07687	0.08306	0.09048	0.09832	0.10638
3753134.43	0.05685	0.06050	0.06445	0.06892	0.07463	0.08072	0.08788	0.09512	0.10263
3753034.43	0.05504	0.05848	0.06261	0.06695	0.07220	0.07791	0.08474	0.09206	0.10036
3752934.43	0.05292	0.05633	0.06040	0.06442	0.06957	0.07501	0.08150	0.08897	0.09726
3752834.43	0.05156	0.05470	0.05842	0.06246	0.06705	0.07222	0.07837	0.08591	0.09371
3752734.43	0.04988	0.05308	0.05627	0.06012	0.06445	0.06978	0.07501	0.08206	0.08991
3752634.43	0.04847	0.05115	0.05466	0.05821	0.06209	0.06744	0.07284	0.07890	0.08597
3752534.43	0.04679	0.04945	0.05208	0.05605	0.05966	0.06412	0.06945	0.07494	0.08224
3752434.43	0.04514	0.04810	0.05087	0.05415	0.05756	0.06101	0.06665	0.07141	0.07879
3752334.43	0.04370	0.04640	0.04910	0.05194	0.05547	0.05915	0.06382	0.06877	0.07523
3752234.43	0.04222	0.04465	0.04765	0.05024	0.05333	0.05599	0.06129	0.06565	0.07173
3752134.43	0.04100	0.04351	0.04598	0.04873	0.05181	0.05500	0.05889	0.06372	0.06900
3752034.43	0.04025	0.04245	0.04433	0.04703	0.05023	0.05297	0.05688	0.06121	0.06597
3751934.43	0.03883	0.04095	0.04331	0.04565	0.04835	0.05157	0.05517	0.05895	0.06300
3751834.43	0.03783	0.03996	0.04216	0.04465	0.04698	0.05007	0.05332	0.05650	0.05937
3751734.43	0.03729	0.03917	0.04136	0.04358	0.04594	0.04862	0.05143	0.05424	0.05606
3751634.43	0.03648	0.03833	0.04026	0.04237	0.04456	0.04711	0.04939	0.05096	0.05029
3751534.43	0.03565	0.03738	0.03878	0.04074	0.04263	0.04507	0.04646	0.04378	0.03871
3751434.43	0.03478	0.03605	0.03745	0.03906	0.04086	0.04149	0.03920	0.03515	0.02988
3751334.43	0.03376	0.03508	0.03640	0.03755	0.03926	0.03876	0.03441	0.02825	0.02665
3751234.43	0.03275	0.03387	0.03497	0.03592	0.03627	0.03426	0.03053	0.02592	0.02539
3751134.43	0.03158	0.03292	0.03407	0.03191	0.03204	0.03078	0.02920	0.02549	0.02510
3751034.43	0.03075	0.03167	0.03040	0.02638	0.02910	0.02796	0.02534	0.02352	0.02370
3750934.43	0.02824	0.02953	0.02525	0.02432	0.02513	0.02476	0.02269	0.02212	0.02256

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION) *** 08:08:47
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	0.22680
3754534.43	0.22584
3754434.43	0.22899
3754334.43	0.21666
3754234.43	0.17614
3754134.43	0.14939
3754034.43	0.13860
3753934.43	0.13343
3753834.43	0.12824
3753734.43	0.12537
3753634.43	0.12225
3753534.43	0.11807
3753434.43	0.11270
3753334.43	0.10801
3753234.43	0.10367
3753134.43	0.10190
3753034.43	0.10636
3752934.43	0.10674
3752834.43	0.10437
3752734.43	0.10006
3752634.43	0.09595
3752534.43	0.09139
3752434.43	0.08726
3752334.43	0.08267
3752234.43	0.07899
3752134.43	0.07496
3752034.43	0.07039
3751934.43	0.06674
3751834.43	0.06129
3751734.43	0.05615
3751634.43	0.04583
3751534.43	0.03337
3751434.43	0.02877
3751334.43	0.02696
3751234.43	0.02604
3751134.43	0.02523
3751034.43	0.02421
3750934.43	0.02321

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION) *** 08:08:47
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	0.10096	0.17392	0.23519	0.32154
3753334.90	0.09397	0.15840	0.21333	0.29293
3753234.90	0.08767	0.14996	0.20030	0.27705
3753134.90	0.08775	0.14331	0.19062	0.26645
3753034.90	0.10770	0.14285	0.18328	0.25770
3752934.90	0.12029	0.14202	0.17580	0.24719
3752834.90	0.11838	0.13787	0.17090	0.23921
3752734.90	0.11409	0.13256	0.16287	0.22728
3752634.90	0.10842	0.12622	0.15470	0.21564
3752534.90	0.10317	0.11850	0.14373	0.20136
3752434.90	0.09754	0.11165	0.13626	0.19509
3752334.90	0.09255	0.10548	0.12645	0.17318
3752234.90	0.08710	0.09766	0.11371	0.13706
3752134.90	0.08157	0.08951	0.10019	0.11347
3752034.90	0.07473	0.08152	0.08800	0.08795
3751934.90	0.06915	0.07495	0.07765	0.07546
3751834.90	0.06441	0.06353	0.06366	0.05881
3751734.90	0.05646	0.05916	0.05281	0.04387
3751634.90	0.04577	0.04411	0.04178	0.03994
3751534.90	0.03465	0.03502	0.03566	0.03753
3751434.90	0.02984	0.03119	0.03271	0.03505
3751334.90	0.02814	0.02943	0.03099	0.03293
3751234.90	0.02701	0.02809	0.02958	0.03110
3751134.90	0.02594	0.02699	0.02832	0.02955
3751034.90	0.02493	0.02593	0.02713	0.02823
3750934.90	0.02398	0.02495	0.02601	0.02700

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION) *** 08:08:47
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
485619.40	3753969.72	0.20825	485712.99	3753961.92	0.27980
487190.85	3754410.34	2.93816	487194.75	3754289.46	2.02646
487268.83	3754090.60	1.33796	487483.30	3754102.29	0.92275

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03
3767938.3	0.01842 (07110224)	0.01910 (07110224)	0.01951 (07110224)	0.01986 (07110224)	0.02041 (07110224)
3766938.3	0.01761 (07110224)	0.01867 (07110224)	0.01966 (07110224)	0.02045 (07110224)	0.02088 (07110224)
3765938.3	0.01553 (07121824)	0.01819 (07110224)	0.01863 (07110224)	0.02009 (07110224)	0.02135 (07110224)
3764938.3	0.01553 (07120324)	0.01684 (07121824)	0.01729 (07121824)	0.01812 (07110224)	0.01994 (07110224)
3763938.3	0.01592 (07120324)	0.01761 (07120324)	0.01661 (07120324)	0.01725 (07121824)	0.01780 (07121824)
3762938.3	0.01802 (07122824)	0.01799 (07122824)	0.01760 (07122824)	0.01744 (07120324)	0.01803 (07120324)
3761938.3	0.01804 (07122824)	0.01893 (07122824)	0.01956 (07122824)	0.01990 (07122824)	0.01994 (07122824)
3760938.3	0.01951 (07120324)	0.01958 (07120324)	0.01967 (07120324)	0.02060 (07122824)	0.02167 (07122824)
3759938.3	0.02254 (07120324)	0.02271 (07120324)	0.02406 (07120324)	0.02335 (07120324)	0.02367 (07120324)
3758938.3	0.02414 (07120324)	0.02507 (07120324)	0.02605 (07120324)	0.02686 (07120324)	0.02755 (07120324)
3757938.3	0.02412 (07120324)	0.02533 (07120324)	0.02669 (07120324)	0.02848 (07120324)	0.02949 (07120324)
3756938.3	0.02271 (07120324)	0.02400 (07120324)	0.02540 (07120324)	0.02702 (07120324)	0.02892 (07120324)
3755938.3	0.02090 (07120324)	0.02210 (07120324)	0.02340 (07120324)	0.02486 (07120324)	0.02661 (07120324)
3754938.3	0.01849 (07120324)	0.01951 (07120324)	0.02071 (07120324)	0.02209 (07120324)	0.02365 (07120324)
3753938.3	0.01719 (07012424)	0.01805 (07012424)	0.01909 (07012424)	0.02023 (07012424)	0.02196 (07012424)
3752938.3	0.01754 (07012424)	0.01852 (07012424)	0.01972 (07012424)	0.02097 (07012424)	0.02269 (07012424)
3751938.3	0.01849 (07012424)	0.01938 (07012424)	0.02040 (07012424)	0.02179 (07012424)	0.02350 (07012424)
3750938.3	0.01874 (07012424)	0.01962 (07012424)	0.02068 (07012424)	0.02162 (07012424)	0.02272 (05031924)
3749938.3	0.01972 (05031924)	0.02092 (05031924)	0.02300 (05031924)	0.02528 (05031924)	0.02667 (05031924)
3748938.3	0.02212 (05031924)	0.02193 (05031924)	0.02345 (05031924)	0.02514 (05031924)	0.02645 (05031924)
3747938.3	0.02204 (05031924)	0.02267 (05031924)	0.02169 (05031924)	0.02199 (05031924)	0.02249 (05031924)
3746938.3	0.01953 (05031924)	0.01988 (05031924)	0.01923 (05031924)	0.02019 (05110924)	0.02343 (05110924)
3745938.3	0.01843 (05110924)	0.02114 (05110924)	0.02335 (05110924)	0.02531 (05110924)	0.02755 (05110924)
3744938.3	0.02207 (05110924)	0.02463 (05110924)	0.02658 (05110924)	0.02848 (05110924)	0.03064 (05110924)
3743938.3	0.02462 (05110924)	0.02629 (05110924)	0.02793 (05110924)	0.02934 (05110924)	0.03011 (05110924)
3742938.3	0.02603 (05110924)	0.02707 (05110924)	0.02802 (05110924)	0.03259 (05110924)	0.03222 (05110924)
3741938.3	0.02599 (05110924)	0.03155 (05110924)	0.02867 (05120824)	0.03435 (05120824)	0.03405 (05120824)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 466553.03	467553.03	468553.03	469553.03	470553.03
3767938.3	0.02101 (07110224)	0.02205 (07110224)	0.02280 (07110224)	0.02300 (07110224)	0.02213 (07110224)
3766938.3	0.02127 (07110224)	0.02210 (07110224)	0.02547 (07110224)	0.02440 (07110224)	0.02520 (07110224)
3765938.3	0.02191 (07110224)	0.02314 (07110224)	0.02594 (07110224)	0.02514 (07110224)	0.02679 (07110224)
3764938.3	0.02157 (07110224)	0.02308 (07110224)	0.02467 (07110224)	0.02569 (07110224)	0.02736 (07110224)
3763938.3	0.01923 (07110224)	0.02167 (07110224)	0.02415 (07110224)	0.02637 (07110224)	0.02842 (07110224)
3762938.3	0.01890 (07121824)	0.01994 (07121824)	0.02152 (07110224)	0.02491 (07110224)	0.02789 (07110224)
3761938.3	0.01961 (07122824)	0.02044 (07120324)	0.02157 (07121824)	0.02317 (07121824)	0.02649 (07110224)
3760938.3	0.02259 (07122824)	0.02317 (07122824)	0.02335 (07122824)	0.02429 (07120324)	0.02695 (07120324)
3759938.3	0.02402 (07120324)	0.02447 (07120324)	0.02568 (07122824)	0.02729 (07122824)	0.02846 (07122824)
3758938.3	0.02816 (07120324)	0.02889 (07120324)	0.02955 (07120324)	0.03045 (07120324)	0.03188 (07120324)
3757938.3	0.03064 (07120324)	0.03225 (07120324)	0.03402 (07120324)	0.03585 (07120324)	0.03879 (07120324)
3756938.3	0.03120 (07120324)	0.03325 (07120324)	0.03488 (07120324)	0.03787 (07120324)	0.04237 (07120324)
3755938.3	0.02925 (07120324)	0.03162 (07120324)	0.03473 (07120324)	0.03625 (07120324)	0.04226 (07120324)
3754938.3	0.02627 (07120324)	0.02837 (07120324)	0.03096 (07120324)	0.03383 (07120324)	0.03698 (07120324)
3753938.3	0.02392 (07012424)	0.02582 (07012424)	0.02860 (07012424)	0.03120 (07012424)	0.03340 (07012424)
3752938.3	0.02493 (07012424)	0.02735 (07012424)	0.02973 (07012424)	0.03256 (05021124)	0.03622 (05021124)
3751938.3	0.02538 (07012424)	0.02733 (07012424)	0.02943 (05021124)	0.03195 (05021124)	0.03781 (05021124)
3750938.3	0.02525 (05031924)	0.02831 (05031924)	0.03051 (05031924)	0.03286 (05031924)	0.04013 (07033124)
3749938.3	0.02793 (05031924)	0.02995 (05031924)	0.03198 (05031924)	0.03566 (05031924)	0.04391 (05031924)
3748938.3	0.02733 (05031924)	0.02951 (05031924)	0.03505 (05031924)	0.03431 (05031924)	0.03345 (05031924)
3747938.3	0.02675 (05031924)	0.02546 (07012424)	0.02662 (07030824)	0.02671 (05110924)	0.03549 (05110924)
3746938.3	0.02709 (05110924)	0.03049 (05110924)	0.03394 (05110924)	0.03814 (05110924)	0.05814 (05110924)
3745938.3	0.03076 (05110924)	0.03391 (05110924)	0.04033 (05110924)	0.05290 (05110924)	0.05696 (05110924)
3744938.3	0.03282 (05110924)	0.05132 (05110924)	0.04526 (05110924)	0.04612 (05110924)	0.04104 (05110924)
3743938.3	0.03033 (05110924)	0.03031 (05110924)	0.03029 (05120824)	0.03238 (05120824)	0.03640 (05120824)
3742938.3	0.03094 (05110924)	0.02933 (05120824)	0.04050 (05120824)	0.03968 (05120824)	0.03935 (05120824)
3741938.3	0.03952 (05120824)	0.03287 (05120824)	0.02592 (05121124)	0.03151 (06031924)	0.02794 (06031924)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 471553.03	472553.03	473553.03	474553.03	475553.03
3767938.3	0.02288 (05121924)	0.02472 (05121924)	0.02598 (05121924)	0.02649 (05121924)	0.02604 (05121924)
3766938.3	0.02505 (07110224)	0.02568 (05121924)	0.02746 (05121924)	0.03008 (05121924)	0.03109 (05121924)
3765938.3	0.02813 (07110224)	0.03012 (07110224)	0.02835 (05121924)	0.03191 (05121924)	0.03515 (05121924)
3764938.3	0.02958 (07110224)	0.03817 (07110224)	0.03346 (07110224)	0.03219 (05121924)	0.03711 (05121924)
3763938.3	0.03057 (07110224)	0.03453 (07110224)	0.04185 (07110224)	0.03619 (07110224)	0.03705 (05121924)
3762938.3	0.03117 (07110224)	0.03403 (07110224)	0.03703 (07110224)	0.04517 (07110224)	0.05782 (07110224)
3761938.3	0.03867 (07110224)	0.04708 (07110224)	0.03901 (07110224)	0.05131 (07110224)	0.03600 (07110224)
3760938.3	0.03007 (07121824)	0.04411 (07042124)	0.03979 (07042124)	0.05498 (07110224)	0.05791 (07110224)
3759938.3	0.02985 (07120324)	0.04235 (05113024)	0.03270 (05113024)	0.05549 (05120724)	0.05584 (07111124)
3758938.3	0.03412 (07120324)	0.04849 (07122824)	0.04127 (07122824)	0.05564 (07122824)	0.06823 (05113024)
3757938.3	0.04131 (07120324)	0.04921 (07122824)	0.04144 (07122824)	0.04797 (07122824)	0.08174 (07122824)
3756938.3	0.04745 (07120324)	0.05068 (07120324)	0.05894 (05121924)	0.04723 (07120324)	0.07254 (05121924)
3755938.3	0.04741 (07120324)	0.05024 (07120324)	0.05765 (07120324)	0.08159 (07120324)	0.08960 (07120324)
3754938.3	0.04040 (07120324)	0.04421 (07120324)	0.04906 (07120324)	0.05527 (07120324)	0.06818 (07120324)
3753938.3	0.03492 (07012424)	0.03849 (07012424)	0.04237 (07012424)	0.04705 (05021124)	0.05328 (05021124)
3752938.3	0.03895 (05021124)	0.04149 (05021124)	0.04566 (05021124)	0.05123 (05021124)	0.05793 (05021124)
3751938.3	0.05437 (06022724)	0.04484 (05021124)	0.04548 (05021124)	0.05023 (05021124)	0.05607 (05021124)
3750938.3	0.04388 (05031924)	0.04393 (05021024)	0.04249 (05031924)	0.04602 (05021124)	0.05022 (05021124)
3749938.3	0.04534 (05031924)	0.04606 (05031924)	0.03759 (05021124)	0.04326 (05110924)	0.05206 (05110924)
3748938.3	0.03162 (07012424)	0.03534 (05110924)	0.04369 (05110924)	0.05263 (05110924)	0.05841 (05110924)
3747938.3	0.04675 (05110924)	0.05857 (05110924)	0.06894 (05110924)	0.05251 (05110924)	0.05312 (05110924)
3746938.3	0.05974 (05110924)	0.06395 (05110924)	0.06445 (05110924)	0.05944 (05110924)	0.04894 (05120824)
3745938.3	0.05401 (05110924)	0.04912 (05110924)	0.05501 (05120824)	0.05998 (05120824)	0.04333 (05120824)
3744938.3	0.04073 (05120824)	0.04704 (05120824)	0.05034 (05120824)	0.04331 (05121124)	0.03701m(05012424)
3743938.3	0.04086 (05120824)	0.04017 (05120824)	0.03629 (05120824)	0.03591 (06031924)	0.03413m(05012424)
3742938.3	0.03425 (05121124)	0.03396 (06031924)	0.03520 (05040224)	0.03699 (05040224)	0.03056m(05012424)
3741938.3	0.03623 (05040224)	0.03876 (05040224)	0.03569 (05040224)	0.03458 (06111824)	0.04633 (06011824)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 476553.03	477553.03	478553.03	479553.03	480553.03
3767938.3	0.02433 (06120724)	0.02454 (06030324)	0.03022 (06030324)	0.03340 (06030324)	0.03998 (05020424)
3766938.3	0.02918 (05121924)	0.02738 (06120724)	0.02967 (06030324)	0.03486 (06030324)	0.04153 (05020424)
3765938.3	0.03626 (05121924)	0.03411 (05121924)	0.03161 (06120724)	0.03681 (06030324)	0.04019 (06030324)
3764938.3	0.04170 (05121924)	0.04842 (05121924)	0.04193 (05121924)	0.03515 (06030324)	0.04372 (06030324)
3763938.3	0.04107 (05121924)	0.05148 (06102324)	0.04672 (07102524)	0.05701 (07030624)	0.04353 (06030324)
3762938.3	0.04342 (05121924)	0.04651 (05121924)	0.05608 (07112624)	0.05054 (07102524)	0.05618 (07030624)
3761938.3	0.04810 (07110224)	0.06135 (07110224)	0.06763 (07020424)	0.05949 (07112624)	0.04874 (07102524)
3760938.3	0.04237 (07110224)	0.04389 (07110224)	0.06691 (07110224)	0.06033 (07110224)	0.05150 (07112624)
3759938.3	0.06760 (07110224)	0.05168 (07110224)	0.08083 (07110224)	0.05756 (07110224)	0.05505 (07110224)
3758938.3	0.07010 (05120724)	0.07173 (07121824)	0.08059 (07110224)	0.06993 (07110224)	0.07040 (07110224)
3757938.3	0.06916 (05113024)	0.08365 (05113024)	0.08557 (07121824)	0.08079 (07121824)	0.07628 (07110224)
3756938.3	0.08675 (07122824)	0.08908 (07122824)	0.11022 (07122824)	0.10967 (07122824)	0.11274 (07121824)
3755938.3	0.08564 (07120324)	0.09182 (07120324)	0.09549 (07120324)	0.12868 (07122824)	0.15015 (07120324)
3754938.3	0.07991 (07120324)	0.09307 (07120324)	0.10824 (07120324)	0.13590 (07120324)	0.18057 (07120324)
3753938.3	0.06081 (07012424)	0.06976 (07012424)	0.08149 (07012424)	0.09669 (07012424)	0.12014 (07012424)
3752938.3	0.06604 (05021124)	0.07603 (05021124)	0.08929 (05021124)	0.10409 (05021124)	0.12645 (05021124)
3751938.3	0.06306 (05021124)	0.07144 (05021124)	0.08168 (05021124)	0.09307 (05021124)	0.10574 (05021124)
3750938.3	0.05534 (05021124)	0.06038 (05110924)	0.07599 (05110924)	0.09179 (05110924)	0.10768 (05110924)
3749938.3	0.06158 (05110924)	0.07171 (05110924)	0.08041 (05110924)	0.08621 (05110924)	0.09061 (05120824)
3748938.3	0.06310 (05110924)	0.06574 (05110924)	0.06793 (05120824)	0.07440 (05120824)	0.07735m(05012424)
3747938.3	0.05414 (05120824)	0.05878 (05120824)	0.06094 (05120824)	0.06244m(05012424)	0.06715m(05012424)
3746938.3	0.05031 (05120824)	0.05010 (05120824)	0.05183m(05012424)	0.05386m(05012424)	0.05826 (06011824)
3745938.3	0.04163m(05012424)	0.04406m(05012424)	0.04480m(05012424)	0.04909 (06011824)	0.05406 (06011824)
3744938.3	0.03829m(05012424)	0.03827m(05012424)	0.04276 (06011824)	0.04699 (06011824)	0.04728 (06011824)
3743938.3	0.03361m(05012424)	0.03811 (06011824)	0.04182 (06011824)	0.04222 (06011824)	0.04836 (05011824)
3742938.3	0.03491 (06011824)	0.03771 (06011824)	0.03840 (06011824)	0.04029 (05011824)	0.04684 (05011824)
3741938.3	0.03826 (06011824)	0.03549 (06011824)	0.03363 (05011824)	0.04081 (05011824)	0.04385 (05011824)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) 481553.03 | 482553.03 | 483553.03 | 484553.03 | 485553.03 |

3767938.3	0.04482 (05020424)	0.04463 (05020424)	0.03910 (05020424)	0.04246 (06020924)	0.04019 (06020924)
3766938.3	0.04831 (05020424)	0.05083 (05020424)	0.04654 (05020424)	0.04702 (06020924)	0.04960 (06020924)
3765938.3	0.05228 (05020424)	0.05764 (05020424)	0.05615 (05020424)	0.06200 (06020924)	0.06146 (06020924)
3764938.3	0.05106 (05020424)	0.06249 (05020424)	0.06993 (05020424)	0.06935 (06020924)	0.06979 (06020924)
3763938.3	0.05321 (05020424)	0.06627 (05020424)	0.07174 (05020424)	0.07038 (07110324)	0.07209 (06020924)
3762938.3	0.05830 (06030324)	0.07652 (05020424)	0.08886 (05020424)	0.07877 (05020424)	0.10953 (06020924)
3761938.3	0.06695 (07030624)	0.08036 (06030324)	0.10949 (05020424)	0.09950 (05020424)	0.10766 (06020924)
3760938.3	0.05039 (05121924)	0.05470 (07102524)	0.07522 (06030324)	0.11420 (07110324)	0.12007 (06020924)
3759938.3	0.05861 (07112624)	0.05863 (05121924)	0.06484 (06030324)	0.08994 (05020424)	0.12362 (05020424)
3758938.3	0.07475 (07110224)	0.07233 (07112624)	0.07082 (07102524)	0.10304 (06030324)	0.12952 (07110324)
3757938.3	0.09791 (07110224)	0.11862 (07110224)	0.10629 (07102524)	0.12369 (07102524)	0.13769 (05020424)
3756938.3	0.11995 (07121824)	0.13049 (07121824)	0.20863 (07110224)	0.18602 (07110224)	0.19553 (07102524)
3755938.3	0.17047 (07120324)	0.19818 (07122824)	0.24387 (07121824)	0.30764 (05121924)	0.40305 (05121924)
3754938.3	0.19327 (07120324)	0.25717 (07120324)	0.35409 (07120324)	0.51778 (07120324)	0.99941 (07120324)
3753938.3	0.16996 (06123124)	0.23485 (06123124)	0.28612 (07120324)	0.46263 (07120324)	0.80597 (07120324)
3752938.3	0.15496 (05021124)	0.19372 (05021124)	0.24827 (05021124)	0.34589 (05021124)	0.58254 (05021124)
3751938.3	0.12349 (05110924)	0.15372 (05110924)	0.18561 (05121124)	0.23794 (07011224)	0.35914 (06022624)
3750938.3	0.11836 (05110924)	0.13049 (05120824)	0.15963m(05012424)	0.20036 (06011824)	0.14666 (06011724)
3749938.3	0.10545 (05120824)	0.13074m(05012424)	0.15256 (06011824)	0.15708 (06101824)	0.15460 (06011724)
3748938.3	0.09935m(05012424)	0.08190 (06011824)	0.13567 (05011824)	0.14454 (06101824)	0.14979 (06011724)
3747938.3	0.08363 (06011824)	0.07600 (06011824)	0.10309 (05011824)	0.11875 (06101824)	0.12108 (06011724)
3746938.3	0.06603 (06011824)	0.07693 (05011824)	0.09011 (06101824)	0.09460 (06011724)	0.10271 (06011724)
3745938.3	0.05928 (05011824)	0.07125 (06101824)	0.08053 (06101824)	0.08584 (06011724)	0.11725 (07102624)
3744938.3	0.05788 (05011824)	0.06589 (06101824)	0.07028 (06101824)	0.07821 (06011724)	0.08599 (07102624)
3743938.3	0.05398 (06101824)	0.06024 (06101824)	0.07196 (07121024)	0.05565m(05041224)	0.06573m(05041224)
3742938.3	0.05140 (06101824)	0.05442 (06101824)	0.05943 (06011724)	0.06171 (06011724)	0.05826m(05041224)
3741938.3	0.04780 (06101824)	0.04860 (06121824)	0.05608 (06011724)	0.05483 (06011724)	0.05288m(05041224)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION) *** 08:08:47
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 486553.03	487553.03	488553.03	489553.03	490553.03
3767938.3	0.04051 (06112624)	0.04644 (06112624)	0.04463 (05122024)	0.05081 (05122024)	0.03760 (05102324)
3766938.3	0.05184 (06112624)	0.05784 (06112624)	0.04106 (05030624)	0.04262 (05122024)	0.03545 (05102324)
3765938.3	0.05750 (06112624)	0.05902 (06112624)	0.04263 (05030624)	0.04312 (06091124)	0.04874 (05102324)
3764938.3	0.05670 (06112624)	0.05864 (06112624)	0.04755 (05092624)	0.05219 (07110524)	0.05251 (06012624)
3763938.3	0.05200 (06112624)	0.05657 (06112624)	0.05212 (05122024)	0.05811 (07110524)	0.05524 (06012624)
3762938.3	0.07487 (06112624)	0.07419 (06112624)	0.09193 (05122024)	0.07521 (05102324)	0.05730 (06091724)
3761938.3	0.08381 (06021324)	0.08343 (06112624)	0.07167 (05122024)	0.06150 (06012624)	0.04677 (07092424)
3760938.3	0.10411 (06102824)	0.10916 (06102824)	0.09024 (05122024)	0.06362 (07062824)	0.06280 (07092424)
3759938.3	0.14356 (06021324)	0.12363 (06102824)	0.12962 (05122024)	0.09270 (05110724)	0.10779 (06100924)
3758938.3	0.11930 (06122424)	0.12397 (06091124)	0.09052 (07090124)	0.09227 (06100924)	0.10385 (06100924)
3757938.3	0.18369 (06020924)	0.14953 (05122024)	0.10326 (05110124)	0.11685 (06100924)	0.08436 (07110724)
3756938.3	0.23153 (07110324)	0.25947 (06021324)	0.16512 (06100924)	0.12572 (07110724)	0.10892 (06112724)
3755938.3	0.59196 (07110324)	0.45948 (06112724)	0.29140 (06112724)	0.19383 (07122024)	0.15805 (07082824)
3754938.3	1.42155 (07120324)	1.49453 (07122024)	1.11522 (05091024)	0.43880 (05091024)	0.24988 (05102324)
3753938.3	1.11513m(05012424)	1.18706 (07120624)	1.00507 (07110824)	1.11798 (05102224)	0.45162 (05091024)
3752938.3	1.00390 (06120624)	1.24812 (07010424)	3.40144 (05030224)	1.26614 (05121824)	1.19522 (06033124)
3751938.3	0.30411 (07102624)	0.57412 (07111824)	0.52144 (05111324)	0.47221 (07010424)	0.52863 (05030224)
3750938.3	0.23624 (07102624)	0.33891 (07111824)	0.31931 (07031624)	0.28839 (07111824)	0.27167 (07010424)
3749938.3	0.26838 (07102624)	0.23882 (07111824)	0.22539 (07031624)	0.21761 (06091024)	0.19921 (06091024)
3748938.3	0.16827m(05041224)	0.17882 (05123024)	0.17669 (07111824)	0.16943 (07031624)	0.17257 (06091024)
3747938.3	0.14011m(05041224)	0.14496 (06030524)	0.14290 (07111824)	0.13735 (05111324)	0.14562 (06091024)
3746938.3	0.12034m(05041224)	0.10779m(05041224)	0.11475 (07111824)	0.11960 (07031524)	0.11789 (06091024)
3745938.3	0.08682m(05041224)	0.08773m(05041224)	0.09309 (07111824)	0.09530 (07031524)	0.10327 (07031524)
3744938.3	0.07903m(05041224)	0.07483m(05041224)	0.07742 (07111824)	0.08208 (07111824)	0.09096 (07031524)
3743938.3	0.06752m(05041224)	0.06504m(05041224)	0.06594 (05032624)	0.07173 (07111824)	0.07975 (07031524)
3742938.3	0.05975m(05041224)	0.05689m(05041224)	0.05898 (05032624)	0.06373 (07111824)	0.06979 (07031524)
3741938.3	0.05347m(05041224)	0.05104 (05032624)	0.05302 (05032624)	0.05707 (07111824)	0.06229 (07111824)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION) *** 08:08:47
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 491553.03	492553.03	493553.03	494553.03	495553.03
3767938.3	0.03141 (06012624)	0.02293 (05112124)	0.02004 (07081924)	0.02448 (07092424)	0.02208 (07092424)
3766938.3	0.03202 (06012624)	0.02665 (07062824)	0.02804 (07092424)	0.02877 (07092424)	0.02832 (06100924)
3765938.3	0.03712 (05110724)	0.03180 (07081924)	0.03305 (07092424)	0.03382 (06100924)	0.03124 (06100924)
3764938.3	0.03894 (07062824)	0.04085 (07092424)	0.03512 (06100924)	0.03738 (06100924)	0.03100 (06100924)
3763938.3	0.04285 (07081924)	0.04118 (07092424)	0.05033 (06100924)	0.03847 (06100924)	0.03228 (07101124)
3762938.3	0.05200 (07092424)	0.04967 (06100924)	0.05208 (06100924)	0.03674 (07101124)	0.03019 (05110424)
3761938.3	0.05339 (06100924)	0.05926 (06100924)	0.04199 (07101124)	0.03498 (05110424)	0.03773 (07072024)
3760938.3	0.06805 (06100924)	0.06028 (06100924)	0.04494 (05110424)	0.04682 (07110724)	0.04048 (07110724)
3759938.3	0.07063 (06100924)	0.05749 (07110724)	0.05931 (07110724)	0.04631 (07110724)	0.04408 (06100124)
3758938.3	0.08007 (05110424)	0.08284 (07110724)	0.06149 (06100124)	0.05503 (07022224)	0.04984 (06091624)

3757938.3	0.07800 (07110724)	0.06433 (06112724)	0.07629 (07082824)	0.06556 (07122024)	0.05953 (07122024)
3756938.3	0.09630 (06112724)	0.08847 (07082824)	0.08907 (07122024)	0.08146 (07122024)	0.05963 (07122024)
3755938.3	0.12040 (07122024)	0.11041 (07122024)	0.08023 (05032324)	0.07698 (05032324)	0.06983 (07122024)
3754938.3	0.16208 (07061124)	0.12934 (05032324)	0.11380 (05091024)	0.09794 (05091024)	0.08511 (05091024)
3753938.3	0.25408 (05091024)	0.23122 (05091024)	0.17443 (05091024)	0.16751 (05091024)	0.12497 (05091024)
3752938.3	0.56108 (06033124)	0.44620 (05091024)	0.24111 (05091024)	0.19232 (05091024)	0.14605 (05091024)
3751938.3	0.44742 (05030224)	0.34424 (07031824)	0.30876 (07031824)	0.23243 (06050324)	0.14892 (06050324)
3750938.3	0.26708 (05030224)	0.24660 (07080124)	0.27957 (07080124)	0.23940 (07031824)	0.19830 (07031824)
3749938.3	0.18409 (06072124)	0.16866 (05030224)	0.16120 (05030224)	0.16881 (07080124)	0.14319 (07080124)
3748938.3	0.15381 (06091024)	0.14007 (06072124)	0.12037 (07070724)	0.11084 (05030224)	0.13704 (06112324)
3747938.3	0.14165 (06091024)	0.11272 (06072124)	0.10755 (06072124)	0.09564 (07070724)	0.08684 (05062624)
3746938.3	0.12521 (06091024)	0.11178 (06091024)	0.09285 (06072124)	0.08722 (07070724)	0.07933 (07070724)
3745938.3	0.10806 (06091024)	0.10579 (06091024)	0.08629 (06091024)	0.07793 (05071124)	0.07412 (07070724)
3744938.3	0.09045 (06091024)	0.09576 (06091024)	0.08665 (06091024)	0.06670 (05071124)	0.06682 (05071124)
3743938.3	0.08096 (07031524)	0.08654 (06091024)	0.08421 (06091024)	0.06973 (06091024)	0.05949 (05071124)
3742938.3	0.07559 (07031524)	0.10597 (06091024)	0.06429 (06091024)	0.05902 (06091024)	0.05620 (06091024)
3741938.3	0.10977 (07031524)	0.07556 (07031524)	0.06586 (06091024)	0.05260 (06091024)	0.07193 (06091024)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION) *** 08:08:47
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 496553.03	497553.03	498553.03	499553.03	500553.03
3767938.3	0.02499 (06100924)	0.02533 (06100924)	0.01898 (07081224)	0.01487 (07101124)	0.01354 (05102224)
3766938.3	0.02760 (06100924)	0.02501 (07081224)	0.02010 (07101124)	0.01549 (05050224)	0.01624 (05050224)
3765938.3	0.02773 (07081224)	0.02594 (07101124)	0.01841 (05050224)	0.01584 (05110424)	0.01807 (07040724)
3764938.3	0.02890 (07101124)	0.02311 (05102224)	0.02456 (07072024)	0.02138 (07040724)	0.01912 (06071924)
3763938.3	0.02673 (05102224)	0.03003 (07072024)	0.02923 (07110724)	0.02535 (07110724)	0.02446 (07022624)
3762938.3	0.03388 (07072024)	0.03247 (07110724)	0.02866 (07110724)	0.02807 (06100124)	0.02387 (07022624)
3761938.3	0.03633 (07110724)	0.03341 (07022624)	0.03286 (06100124)	0.02529 (07022224)	0.02351 (05040824)
3760938.3	0.03870 (06100124)	0.03458 (06100124)	0.03168 (07022224)	0.03082 (07022224)	0.02911 (07022224)
3759938.3	0.04006 (07022224)	0.03827 (07022224)	0.03487 (07022224)	0.03341 (07082824)	0.03227 (07082824)
3758938.3	0.04753 (07122024)	0.04405 (07082824)	0.04059 (07082824)	0.03668 (07122024)	0.03474 (07122024)
3757938.3	0.05268 (07122024)	0.04784 (07122024)	0.04230 (07122024)	0.03517 (07122024)	0.03102 (05081424)
3756938.3	0.05216 (07082824)	0.04636 (07122024)	0.04100 (05032324)	0.03689 (05032324)	0.03415 (07071224)
3755938.3	0.05717 (05032324)	0.04696 (05032324)	0.04157 (07071224)	0.03889 (06050224)	0.03857 (06050224)
3754938.3	0.07863 (05091024)	0.07029 (05091024)	0.06219 (05091024)	0.05342 (05091024)	0.04631 (05091024)
3753938.3	0.09330 (05091024)	0.07992 (05091024)	0.07148 (05091024)	0.06526 (05091024)	0.05969 (05091024)
3752938.3	0.10749 (05091024)	0.09504 (05091024)	0.08134 (05091024)	0.07097 (05091024)	0.06168 (05091024)
3751938.3	0.09585 (06033124)	0.08853 (05102724)	0.08078 (05102724)	0.06921 (05102724)	0.05836 (05102724)
3750938.3	0.12966 (07031824)	0.10805 (07031824)	0.08341 (06050324)	0.06684 (06050324)	0.05240 (06050324)
3749938.3	0.12449 (07080124)	0.15253 (05080524)	0.11108 (07031824)	0.08196 (07031824)	0.06880 (07031824)
3748938.3	0.09807 (07080124)	0.13044 (07080124)	0.12230 (07080124)	0.10206 (05080524)	0.07929 (05080524)
3747938.3	0.10360 (06112324)	0.09391 (06112324)	0.13616 (07080124)	0.09792 (07080124)	0.08089 (05052924)
3746938.3	0.07309 (05062624)	0.06867 (05030224)	0.08897 (05022524)	0.06932 (05022524)	0.07533 (07080124)
3745938.3	0.06761 (07070724)	0.06257 (05062624)	0.05710 (05062624)	0.07418 (05022524)	0.08466 (05022524)
3744938.3	0.06411 (07070724)	0.05819 (07070724)	0.05401 (05062624)	0.05020 (05062624)	0.05014 (05030224)
3743938.3	0.05781 (05071124)	0.05618 (07070724)	0.05094 (07070724)	0.04761 (05062624)	0.04524 (05062624)
3742938.3	0.05351 (05071124)	0.05052 (05071124)	0.04989 (07070724)	0.04541 (07070724)	0.04284 (05062624)
3741938.3	0.04598 (05071124)	0.04791 (05071124)	0.04514 (07070724)	0.04480 (07070724)	0.04107 (07070724)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION) *** 08:08:47
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501553.03	502553.03	503553.03	504553.03	505553.03
3767938.3	0.01371 (05110424)	0.01125 (07040724)	0.00683 (07040724)	0.00471 (05012624)	0.00437 (05012624)
3766938.3	0.01530 (07040724)	0.00513 (05012624)	0.00486 (05012624)	0.00503 (05011124)	0.00564 (05011124)
3765938.3	0.01412 (07040724)	0.00628 (05011124)	0.00639 (05011124)	0.00661 (05011124)	0.00755 (05011124)
3764938.3	0.01485 (07110424)	0.01120 (05011124)	0.01064 (05011124)	0.01080 (06121024)	0.00825 (05040824)
3763938.3	0.02263 (07022624)	0.01636 (06100124)	0.01552 (06121024)	0.01906 (05040824)	0.01426 (05040824)
3762938.3	0.02183 (07022224)	0.02236 (05040824)	0.02247 (05040824)	0.02058 (05040824)	0.01674 (05040824)
3761938.3	0.02631 (05040824)	0.02357 (05040824)	0.02177 (05040824)	0.02005 (06041424)	0.01929 (06041424)
3760938.3	0.02453 (07022224)	0.02393 (06103024)	0.02223 (06041424)	0.02127 (05032324)	0.02085 (05032324)
3759938.3	0.03009 (07122024)	0.02697 (05032324)	0.02402 (05032324)	0.02143 (05032324)	0.01952 (05032324)
3758938.3	0.03049 (07122024)	0.02670 (05081424)	0.02570 (05081424)	0.02223 (05081424)	0.02204 (06080124)
3757938.3	0.03019 (06080124)	0.02850 (06080124)	0.02567 (06080124)	0.02354 (07071224)	0.02388 (07071224)
3756938.3	0.03378 (07071224)	0.03193 (07071224)	0.02938 (07071224)	0.02662 (07071224)	0.02515 (07043024)
3755938.3	0.03673 (06050224)	0.03355 (06050224)	0.03000 (07041224)	0.02750 (07041224)	0.02500 (07041224)
3754938.3	0.04022 (05091024)	0.03591 (05091024)	0.03264 (05091024)	0.03067 (05091024)	0.02949 (05091024)
3753938.3	0.05505 (05091024)	0.05091 (05091024)	0.04733 (05091024)	0.04407 (05091024)	0.04119 (05091024)
3752938.3	0.05447 (05091024)	0.04791 (05091024)	0.04283 (05091024)	0.03886 (05091024)	0.03602 (07051724)
3751938.3	0.05014 (05040424)	0.04736 (05040424)	0.04467 (05040424)	0.04186 (05040424)	0.03881 (05040424)
3750938.3	0.04976 (05081824)	0.04753 (05081824)	0.04634 (07043024)	0.04426 (07043024)	0.04052 (07043024)
3749938.3	0.05640 (07060124)	0.04946 (06050324)	0.04466 (06050324)	0.03905 (06050324)	0.03506 (05081824)
3748938.3	0.06057 (07060124)	0.06000 (07060124)	0.05353 (07060124)	0.04968 (07060124)	0.04129 (06050524)
3747938.3	0.07909 (05080524)	0.06796 (05080524)	0.06328 (05080524)	0.05308 (07060124)	0.05480 (07060124)
3746938.3	0.08296 (07080124)	0.06530 (05052924)	0.07591 (05080524)	0.08421 (05080524)	0.07096 (05080524)

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3745938.3 |      0.07841 (05022524)      0.09890 (07080124)      0.08126 (07080124)      0.05374 (05052924)      0.05070 (05080524)
3744938.3 |      0.04025 (06112324)      0.04964 (05022524)      0.05093 (07080124)      0.05049 (07080124)      0.04882 (07080124)
3743938.3 |      0.05221 (05030224)      0.03455 (06112324)      0.03774 (05022524)      0.04040 (05022524)      0.04015 (07080124)
3742938.3 |      0.04157 (05062624)      0.05145 (05062624)      0.03203 (06112324)      0.02932 (05022524)      0.03400 (05022524)
3741938.3 |      0.03886 (05062624)      0.03823 (05062624)      0.03559 (05062624)      0.03790 (07071324)      0.02506 (05030224)
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                                  ***        11/29/12
                                    *** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION)                              ***        08:08:47
                                                                                                                          PAGE  74
 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     PHASE1      , L0111342    , L0111343    , L0111344    , L0111345    ,
                 L0111346    , L0111347    , L0111348    , L0111349    , L0111350    , L0111351    , L0111352    , L0111353    ,
                 L0111354    , L0111355    , L0111356    , L0111357    , L0111358    , L0111359    , L0111360    , L0111361    ,
                 L0111362    , L0111363    , L0111364    , L0111365    , L0111366    , L0111367    , L0111368    ,  . . .      ,

                                    *** NETWORK ID: UCART2   ;  NETWORK TYPE: GRIDCART ***

                                         ** CONC OF PM_2.5   IN MICROGRAMS/M**3                          **

 Y-COORD  |                                                  X-COORD (METERS)
 (METERS) |       437508.49              439508.49              441508.49              443508.49              445508.49
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3741938.3	0.02218 (05110924)	0.02423 (05110924)

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71
3754634.4	0.52251 (07120324)	0.55181 (07120324)	0.57802 (07120324)	0.61951 (07120324)	0.66097 (07120324)
3754534.4	0.50006 (07120324)	0.52805 (07120324)	0.55088 (07120324)	0.58564 (07120324)	0.62929 (07120324)
3754434.4	0.47607 (07120324)	0.50291 (07120324)	0.53067 (07120324)	0.56136 (07120324)	0.59453 (07120324)
3754334.4	0.46612 (07120324)	0.48977 (07120324)	0.51327 (07120324)	0.53867 (07120324)	0.57585 (07120324)
3754234.4	0.46320 (07120324)	0.47971 (07120324)	0.50595 (07120324)	0.53337 (07120324)	0.56388 (07120324)
3754134.4	0.45470 (07120324)	0.48826 (07120324)	0.50839 (07120324)	0.53682 (07120324)	0.56908 (07120324)
3754034.4	0.45399 (07120324)	0.50000 (07120324)	0.52113 (07120324)	0.54618 (07120324)	0.57222 (07120324)
3753934.4	0.46105 (07120324)	0.50314 (07120324)	0.52215 (07120324)	0.54789 (07120324)	0.57119 (07120324)
3753834.4	0.47744 (07120324)	0.50028 (07120324)	0.52373 (07120324)	0.54655 (07120324)	0.57676 (07120324)
3753734.4	0.46257 (07120324)	0.48618 (07120324)	0.51064 (07120324)	0.53901 (07120324)	0.56748 (07120324)
3753634.4	0.43423 (07120324)	0.46479 (06123124)	0.47146 (07120324)	0.51000 (07120324)	0.54190 (07120324)
3753534.4	0.40796 (06123124)	0.41039 (07120324)	0.43696 (07120324)	0.49206 (06123124)	0.51256 (06123124)
3753434.4	0.38293 (05021124)	0.40212 (05021124)	0.42297 (05021124)	0.44225 (05022224)	0.47525 (06123124)
3753334.4	0.38712 (05021124)	0.40472 (05021124)	0.41821 (05021124)	0.43790 (05021124)	0.45868 (05021124)
3753234.4	0.38355 (05021124)	0.39716 (05021124)	0.41596 (05021124)	0.43858 (05021124)	0.45395 (05021124)
3753134.4	0.38694 (05021124)	0.39820 (05021124)	0.40852 (05021124)	0.42149 (05021124)	0.44916 (05021124)
3753034.4	0.37114 (05021124)	0.38149 (05021124)	0.40324 (05021124)	0.41461 (05021124)	0.43730 (05021124)
3752934.4	0.34547 (05021124)	0.35975 (05021124)	0.38185 (05021124)	0.39229 (05021124)	0.41697 (05021124)
3752834.4	0.33688 (05021124)	0.34773 (05021124)	0.36434 (05021124)	0.37895 (05021124)	0.39503 (05021124)
3752734.4	0.31949 (05021124)	0.33357 (05021124)	0.34240 (05021124)	0.35602 (05021124)	0.37027 (05021124)
3752634.4	0.30587 (05021124)	0.31272 (05021124)	0.32768 (05021124)	0.33788 (05021124)	0.34848 (05020324)
3752534.4	0.28582 (05021124)	0.29334 (05021124)	0.30252 (05020324)	0.32369 (05020324)	0.33746 (05020324)
3752434.4	0.27128 (05020324)	0.28901 (05020324)	0.29933 (05020324)	0.31465 (05020324)	0.32848 (05020324)
3752334.4	0.26392 (05020324)	0.27730 (05020324)	0.28964 (05020324)	0.30198 (05020324)	0.31793 (05020324)
3752234.4	0.25519 (05020324)	0.26670 (05020324)	0.28146 (05020324)	0.29229 (05020324)	0.30547 (05020324)
3752134.4	0.24741 (05020324)	0.25954 (05020324)	0.27060 (05020324)	0.28262 (05020324)	0.29579 (05020324)
3752034.4	0.24498 (07011224)	0.25444 (07011224)	0.26033 (07011224)	0.27077 (07011224)	0.28446 (05020324)
3751934.4	0.23764 (07011224)	0.24635 (07011224)	0.25546 (07011224)	0.26320m(05012424)	0.27177m(05012424)
3751834.4	0.23431m(05012424)	0.24261m(05012424)	0.25027m(05012424)	0.25742m(05012424)	0.26408m(05012424)
3751734.4	0.23224m(05012424)	0.23794m(05012424)	0.24394m(05012424)	0.25108m(05012424)	0.25494m(05012424)
3751634.4	0.22568m(05012424)	0.23552m(05012424)	0.24129m(05012424)	0.24857m(05012424)	0.25825m(05012424)
3751534.4	0.22239m(05012424)	0.23245m(05012424)	0.24531m(05012424)	0.24892m(05012424)	0.25398m(05012424)
3751434.4	0.22490m(05012424)	0.23338m(05012424)	0.23921m(05012424)	0.24187m(05012424)	0.24236m(05012424)
3751334.4	0.22169m(05012424)	0.22697m(05012424)	0.23180m(05012424)	0.22948m(05012424)	0.23185 (06011824)
3751234.4	0.21757m(05012424)	0.22230m(05012424)	0.22110m(05012424)	0.22355 (06011824)	0.22351 (05011824)
3751134.4	0.21332m(05012424)	0.21509m(05012424)	0.21423 (06011824)	0.21062 (05011824)	0.21588 (05011824)
3751034.4	0.20641m(05012424)	0.20814 (06011824)	0.20225 (05011824)	0.18703 (05011824)	0.19990 (05011824)
3750934.4	0.19971 (06011824)	0.19685 (06011824)	0.18404 (05011824)	0.17141 (05011824)	0.17019 (06101824)

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485051.71	485151.71	485251.71	485351.71	485451.71
3754634.4	0.70645 (07120324)	0.75972 (07120324)	0.81973 (07120324)	0.92625 (07120324)	1.11746 (07120324)
3754534.4	0.68038 (07120324)	0.73361 (07120324)	0.81028 (07120324)	0.90831 (07120324)	1.07581 (07120324)
3754434.4	0.63665 (07120324)	0.68717 (07120324)	0.75671 (07120324)	0.86045 (07120324)	1.07524 (07120324)
3754334.4	0.61388 (07120324)	0.65591 (07120324)	0.70993 (07120324)	0.79709 (07120324)	0.98934 (07120324)
3754234.4	0.59501 (07120324)	0.64000 (07120324)	0.68168 (07120324)	0.72811 (07120324)	0.77613 (07120324)
3754134.4	0.59987 (07120324)	0.63220 (07120324)	0.65864 (07120324)	0.69063 (07120324)	0.70854 (07120324)
3754034.4	0.60130 (07120324)	0.62100 (07120324)	0.65670 (07120324)	0.68600 (07120324)	0.69106 (07120324)
3753934.4	0.60349 (07120324)	0.62885 (07120324)	0.66865 (07120324)	0.70032 (07120324)	0.70637 (07120324)
3753834.4	0.60722 (07120324)	0.64022 (07120324)	0.67357 (07120324)	0.68839 (07120324)	0.70718 (07120324)
3753734.4	0.59243 (07120324)	0.63883 (07120324)	0.67713 (07120324)	0.71134 (07120324)	0.73009 (07120324)
3753634.4	0.57634 (07120324)	0.61579 (07120324)	0.66009 (07120324)	0.70171 (07120324)	0.71226 (07120324)
3753534.4	0.53083 (07120324)	0.56509 (07120324)	0.58195 (07120324)	0.64332 (07120324)	0.68558 (07120324)
3753434.4	0.49903 (05022224)	0.52544 (05022224)	0.55263 (05022224)	0.58885 (05022224)	0.60209 (05022224)
3753334.4	0.48674 (05021124)	0.50505 (05021124)	0.52839 (05022224)	0.56044 (05022224)	0.56771 (05021124)
3753234.4	0.47362 (05021124)	0.50151 (05021124)	0.52581 (05021124)	0.55638 (05021124)	0.56128 (05021124)
3753134.4	0.47156 (05021124)	0.50348 (05021124)	0.51463 (05021124)	0.53695 (05021124)	0.54613 (05021124)
3753034.4	0.45538 (05021124)	0.48269 (05021124)	0.50068 (05021124)	0.52879 (05021124)	0.56385 (05021124)
3752934.4	0.43311 (05021124)	0.45706 (05021124)	0.48237 (05021124)	0.50568 (05021124)	0.53317 (05021124)
3752834.4	0.41055 (05021124)	0.43100 (05021124)	0.46275 (05021124)	0.47583 (05021124)	0.51023 (05020324)
3752734.4	0.39073 (05021124)	0.40146 (05021124)	0.42989 (05020324)	0.45880 (05020324)	0.49680 (05020324)
3752634.4	0.38341 (05020324)	0.40313 (05020324)	0.42221 (05020324)	0.44427 (05020324)	0.48373 (05020324)
3752534.4	0.35721 (05020324)	0.38208 (05020324)	0.40061 (05020324)	0.42919 (05020324)	0.46476 (05020324)
3752434.4	0.34198 (05020324)	0.36890 (05020324)	0.38492 (05020324)	0.41651 (05020324)	0.44971 (05020324)
3752334.4	0.33331 (05020324)	0.35332 (05020324)	0.37266 (05020324)	0.39958 (05020324)	0.42675 (05020324)
3752234.4	0.31449 (05020324)	0.33905 (05020324)	0.35507 (05020324)	0.37961 (05020324)	0.40544 (05020324)
3752134.4	0.30823 (05020324)	0.32362 (05020324)	0.34266 (05020324)	0.35932 (05020324)	0.38110 (05020324)
3752034.4	0.29395 (05020324)	0.30914 (05020324)	0.32216 (05020324)	0.34000 (05020324)	0.35863 (05020324)

3751934.4	0.28261 (05020324)	0.29146 (05020324)	0.30292 (05020324)	0.32336 (05020324)	0.33766 (06022624)
3751834.4	0.27021m(05012424)	0.28182m(05012424)	0.29881m(05012424)	0.31138 (05020124)	0.32447 (06022624)
3751734.4	0.26367m(05012424)	0.27852m(05012424)	0.28713 (05011824)	0.29698 (06022624)	0.31382 (06022624)
3751634.4	0.25971m(05012424)	0.26894m(05012424)	0.27689 (05020124)	0.28683 (06022624)	0.27139 (06101824)
3751534.4	0.25640m(05012424)	0.25956 (05020124)	0.25844 (06022624)	0.23840 (06101824)	0.20063 (06101824)
3751434.4	0.24307 (06111124)	0.24060 (05011824)	0.22108 (06101824)	0.18541 (06101824)	0.17900 (06101824)
3751334.4	0.23376 (05011824)	0.21905 (05011824)	0.17910 (06101824)	0.17088 (06101824)	0.17099 (06101824)
3751234.4	0.22374 (05011824)	0.19866 (06101824)	0.16700 (06101824)	0.16479 (06101824)	0.16233 (06101824)
3751134.4	0.20295 (06101824)	0.19214 (06101824)	0.16440 (06101824)	0.15927 (06101824)	0.15423 (06101824)
3751034.4	0.18757 (06101824)	0.16694 (06101824)	0.15476 (06101824)	0.15188 (06101824)	0.14825 (06121824)
3750934.4	0.16688 (06101824)	0.15175 (06101824)	0.14872 (06101824)	0.14513 (06101824)	0.14259 (06121824)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION) *** 08:08:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.9	0.72894 (05022224)	0.80832 (05022224)	0.92857 (07120324)	1.16096 (07120324)
3753334.9	0.68666 (05022224)	0.77119 (05022224)	0.88506 (05022224)	1.07451 (05022224)
3753234.9	0.66954 (05021124)	0.74838 (05021124)	0.83805 (05022224)	1.01778 (05022224)
3753134.9	0.64218 (05021124)	0.71004 (05021124)	0.79644 (05021124)	0.95739 (05022224)
3753034.9	0.61873 (05021124)	0.68311 (05021124)	0.74814 (05021124)	0.92263 (05020324)
3752934.9	0.58085 (05021124)	0.63792 (05020324)	0.71933 (05020324)	0.88775 (05020324)
3752834.9	0.56403 (05020324)	0.61996 (05020324)	0.71020 (05020324)	0.87000 (05020324)
3752734.9	0.55195 (05020324)	0.60352 (05020324)	0.68408 (05020324)	0.83165 (05020324)
3752634.9	0.52650 (05020324)	0.58029 (05020324)	0.65545 (05020324)	0.79355 (05020324)
3752534.9	0.50673 (05020324)	0.54722 (05020324)	0.61060 (05020324)	0.74250 (05020324)
3752434.9	0.48346 (05020324)	0.52291 (05020324)	0.58972 (05020324)	0.72646 (05020324)
3752334.9	0.46252 (05020324)	0.50120 (05020324)	0.56326 (05020324)	0.70928 (05020324)
3752234.9	0.43349 (05020324)	0.47585 (05020324)	0.52885 (05020324)	0.59934 (05020324)
3752134.9	0.41021 (05020324)	0.43707 (05020324)	0.47122 (06022624)	0.51166 (06022624)
3752034.9	0.37149 (06022624)	0.40720 (06022624)	0.43353 (06022624)	0.43603 (07102624)
3751934.9	0.35770 (06022624)	0.38583 (06022624)	0.38939 (06022624)	0.38920 (07102624)
3751834.9	0.34569 (06022624)	0.33810 (06022624)	0.32987 (07102624)	0.31015 (07102624)
3751734.9	0.31228 (06022624)	0.31104 (06022624)	0.28660 (07102624)	0.22931 (07102624)
3751634.9	0.26555 (06101824)	0.23642 (06101824)	0.23570 (07102624)	0.19487 (07102624)
3751534.9	0.19784 (06101824)	0.19151 (06011724)	0.19806 (07102624)	0.19030 (06022624)
3751434.9	0.17579 (06121824)	0.17825 (06011724)	0.17349 (07102624)	0.18581 (06022624)
3751334.9	0.16764 (06121824)	0.17073 (06011724)	0.16976 (06022624)	0.18165 (06022624)
3751234.9	0.15989 (06121824)	0.16282 (06011724)	0.16895 (06022624)	0.17661 (06022624)
3751134.9	0.15333 (06011724)	0.15572 (06011724)	0.16705 (06022624)	0.16960 (06022624)
3751034.9	0.14910 (06011724)	0.15020 (06011724)	0.16310 (06022624)	0.16033 (06022624)
3750934.9	0.14639 (06011724)	0.14643 (06022624)	0.15663 (06022624)	0.14974 (06022624)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION) *** 08:08:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0111342 , L0111343 , L0111344 , L0111345 ,
L0111346 , L0111347 , L0111348 , L0111349 , L0111350 , L0111351 , L0111352 , L0111353 ,
L0111354 , L0111355 , L0111356 , L0111357 , L0111358 , L0111359 , L0111360 , L0111361 ,
L0111362 , L0111363 , L0111364 , L0111365 , L0111366 , L0111367 , L0111368 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
485619.40	3753969.72	0.90122	(07120324)	485712.99	3753961.92	1.00536	(07120324)
487190.85	3754410.34	4.74054	(05030224)	487194.75	3754289.46	3.20053	(07111824)
487268.83	3754090.60	2.10729	(07111824)	487483.30	3754102.29	1.43754	(05030224)

♀ *** AERMOD - VERSION 12060 *** *** WLC PROJECT-RELATED OPERATIONS - 2012 *** 11/29/12
*** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION) *** 08:08:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 3 YEARS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	2.93816	AT (487190.85, 3754410.34, 509.37, 776.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	2.02646	AT (487194.75, 3754289.46, 507.16, 777.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	1.95887	AT (488553.03, 3752938.31, 476.00, 811.00, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	1.33796	AT (487268.83, 3754090.60, 503.10, 777.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.92275	AT (487483.30, 3754102.29, 501.97, 777.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.80766	AT (487553.03, 3754938.31, 526.30, 528.00, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.78967	AT (487553.03, 3753938.31, 496.40, 777.00, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.73137	AT (489553.03, 3752938.31, 484.00, 777.00, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.71253	AT (487553.03, 3752938.31, 479.60, 811.00, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.59621	AT (488553.03, 3753938.31, 497.80, 777.00, 0.00)	GC	UCART1

*** RECEPTOR TYPES: GC = GRIDCART

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                    GP = GRIDPOLR
                    DC = DISCCART
                    DP = DISCPOLR
♀ *** AERMOD - VERSION  12060 ***   *** WLC PROJECT-RELATED OPERATIONS - 2012                          ***        11/29/12
                                  *** PM2.5 - LST ASSESSMEMT (NO REFRIGERATION)                        ***        08:08:47
                                                                                                                  PAGE  82
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                         FASTALL

                                                  *** THE SUMMARY OF HIGHEST 24-HR RESULTS ***


                                   ** CONC OF PM_2.5   IN MICROGRAMS/M**3                        **

                                                     DATE                                                          NETWORK
GROUP ID                          AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - -
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E.4 - Project LST Development Emissions for 2013, 2017, and 2022

WLC LST Assessment - Daily Construction Emissions 2013

Daily Construction Emissions (CalEEMOd emissions assuming 15hr day and 60 scrapers)

Year: 2013

	Daily Emissions (lbs/day)					
Activity	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**
Mass grading	3749.38	1621.94	76.05	145.65	14.53	145.65
Finish grading	248.70	100.73	8.29	9.82	2.42	9.82
Building	1088.06	743.91	0.00	76.58	0.00	76.58
Utilities	402.97	157.66	0.00	16.62	0.00	17.00
Curbing	40.81	22.97	1.16	2.27	0.00	2.27
Landscaping	152.66	80.24	0.00	9.53	0.00	9.53
Maximum	5682.6	2727.5	85.5	260.5	17.0	260.9

Operational Day	15	hours/day		
Size of Area Source (mass grading)	140	acres or	566720	square-meters
Size of Area Source (non-mass grading)	60	acres or	242880	sq-meters

Maximum Hourly Emissions

	Hourly Emissions (pounds/hour)					
Activity	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**
Mass Grading	266.54	114.84	5.62	10.36	1.13	10.36
Non-Mass Grading	112.30	66.99	0.08	7.00	0.00	7.03

Maximum Area Source Emissions

	Area Source Emissions (grams/m2-sec)					
Activity	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**
Mass Grading	5.93E-05	2.56E-05	1.25E-06	2.31E-06	2.51E-07	2.31E-06
Non-Mass Grading	5.83E-05	3.48E-05	4.02E-08	3.63E-06	0.00E+00	3.65E-06

WLC LST Assessment - Annual Construction Emissions 2013

Annual Total Construction Emissions (CalEEMOd emissions assuming 15hr day and 60 scrapers)

Year: 2013

	Annual Emissions (tons/year)					
Activity	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**
Mass grading	581.15	251.40	11.79	22.58	2.25	22.58
Finish grading	12.81	5.19	0.43	0.51	0.12	0.51
Building	126.21	86.29	0.00	8.88	0.00	8.88
Utilities	46.74	18.29	0.00	1.93	0.00	1.97
Curbing	0.53	0.30	0.02	0.03	0.00	0.03
Landscaping	11.83	6.22	0.00	0.74	0.00	0.74
Paving	7.53	3.10	0.06	0.31	0.00	0.31
Total	786.8	370.8	12.3	35.0	2.4	35.0

Operational Day	15	hours/day		
Operational Year (Mass Grading)	310	days/year		
Operational Year (Non-Mass Grading)	232	days/year		
Size of Area Source (Mass Grading)	602	acres or	2436896	square-meters
Size of Area Source (Non-Mass Grading)	345	acres or	1396920	square-meters

Maximum Hourly Emissions

	Hourly Emissions (pounds/hour)					
Activity	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**
Mass Grading	255.47	110.36	5.25	9.93	1.02	9.93
Non-Mass Grading	110.84	65.63	0.04	6.84	0.00	6.86

Maximum Area Source Emissions

	Area Source Emissions (grams/m2-sec)					
Activity	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**
Mass Grading	1.32E-05	5.71E-06	2.72E-07	5.14E-07	5.29E-08	5.14E-07
Non-Mass Grading	1.00E-05	5.93E-06	3.91E-09	6.17E-07	0.00E+00	6.19E-07

WLC LST Assessment - Daily Constructin Emissions

Daily Construction Emissions (CalEEMOd emissions assuming 15hr day and 60 scrapers)

Year: 2017

	Daily Emissions (lbs/day)					
Activity	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**
Mass grading	2696.41	1288.78	76.05	102.90	14.53	102.90
Finish grading	172.08	84.42	8.29	6.64	2.42	6.64
Building	776.97	718.08	0.00	46.99	0.00	46.99
Utilities	256.62	145.81	0.00	10.14	0.00	10.14
Landscaping	106.98	76.00	0.00	6.36	0.00	6.36
Maximum	4009.06	2313.09	84.34	173.03	16.95	173.03

Operational Day	15	hours/day		
Size of Area Source (Mass Grading)	140	acres or	566720	square-meters
Size of Area Source (Non Mass Grading)	60	acres or	242880	square-meters

Maximum Hourly Emissions

	Hourly Emissions (pounds/hour)					
Activity	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**
Mass Grading	191.23	91.55	5.62	7.30	1.13	7.30
Non-Mass Grading	76.04	62.66	0.00	4.23	0.00	4.23

Maximum Area Source Emissions

	Area Source Emissions (grams/m2-sec)					
Activity	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**
Mass Grading	4.26E-05	2.04E-05	1.25E-06	1.63E-06	2.51E-07	1.63E-06
Non-Mass Grading	3.95E-05	3.25E-05	2.46E-22	2.20E-06	0.00E+00	2.20E-06

WLC LST Assessment - Annual Emissions

Annual Total Construction Emissions (CalEEMOd emissions assuming 15hr day and 60 scrapers)

Year: 2017

	Annual Emissions (tons/year)					
Activity	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**
Mass grading	417.94	199.76	11.79	15.95	2.25	15.95
Finish grading	8.86	4.35	0.43	0.34	0.12	0.34
Building	90.13	83.30	0.00	5.45	0.00	5.45
Utilities	29.77	16.91	0.00	1.18	0.00	1.18
Curbing	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	8.29	5.89	0.00	0.49	0.00	0.49
Paving	0.00	0.00	0.00	0.00	0.00	0.00
Interchange	0.00	0.00	0.00	0.00	0.00	0.00
Total	554.99	310.21	12.21	23.41	2.38	23.41

Operational Day	15	hours/day		
Operational Year (Mass Grading)	310	days/year		
Operational Year (Non-Mass Grading)	232	days/year		
Size of Area Source (Mass Grading)	1387	acres or	5613402	square-meters
Size of Area Source (Non-Mass Grading)	515	acres or	2086032	square-meters

Maximum Hourly Emissions

	Hourly Emissions (pounds/hour)					
Activity	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**
Mass Grading	183.57	87.79	5.25	7.01	1.02	7.01
Non-Mass Grading	73.67	60.98	0.00	4.09	0.00	4.09

Maximum Area Source Emissions

	Area Source Emissions (grams/m2-sec)					
Activity	**NOx**	**CO**	**Dust PM10**	**Exhaust PM10**	**Dust PM2.5**	**Exhaust PM2.5**
Mass Grading	4.12E-06	1.97E-06	1.18E-07	1.57E-07	2.30E-08	1.57E-07
Non-Mass Grading	4.45E-06	3.69E-06	1.16E-23	2.47E-07	0.00E+00	2.47E-07

World Logistics Center **2017** **Phase 1** Assumes MY2010 for Diesel MHDT and HHDT
CO Emissions

Emission Assumptions - Peak PM Hour

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for CO emissions
c) Emissions calculated for 2017

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr): 24
Facility operations for All Others (hr): 24

World Logistics Center

2017 **Phase 1**

Total Peak Hour Vehicle Running Exhaust Emissions **Pollutant** **CO**

Travel to Building	AERMOD Source ID	Diesel Vehicles (g/sec)	Non-Diesel Vehicles (g/sec)	Total (g/sec)
High Cube	Phase 1	1.91E-01	6.35E-01	8.25E-01
Light Logistics	Phase 1	1.55E-03	9.26E-03	1.08E-02
Gas Compressor	Phase 1	4.92E-04	3.52E-03	4.01E-03
Fueling Station	Phase 1	5.08E-04	7.56E-04	1.26E-03
Total		1.93E-01	6.48E-01	8.41E-01

Total Peak Hour Vehicle Idling Emission Sources **Pollutant** **CO**

Building	AERMOD Source IDs	Diesel Vehicles Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Total Emissions (g/sec)
High Cube	Phase 1	9.72E-01	2.25E-01	1.20E+00
Light Logistics	Phase 1	1.44E-02	4.02E-03	1.84E-02
GasCompressor	Phase 1	4.05E-03	1.96E-03	6.01E-03
Fueling Station	Phase 1	2.49E-02	3.08E-03	2.80E-02
Total		1.02E+00	2.34E-01	1.25E+00

Total Peak Hour Onsite Emission

Runing Exhaust	8.41E-01	
Idling Emissions	1.25E+00	
Total	2.09E+00	g/sec
Size of Area Source	4566396	m2
Area Emission Rate	**4.58E-07**	**g/m2-sec**
Weighted Emission Ht (m)	2.73E+00	

World Logistics Center **2017** **Phase 1**

Vehicle Fleet Mix

	Building Size (sq-ft)	
High Cube Warehouse	21250000	
Light Logistics	200000	
Compression Station	30825	
Fueling Station/Convenience Store	3000	6 pumps
	21,483,825	

Trip Generation

	trips/pk hr (Non-PCE)	Source
High Cube Warehouse	2550	<--- PB 2012 (100512)
Light Logistics	64	
Compression Station	23	
Fueling Station/Convenience Store	36	
Total	2673	

Vehicle Fleet for High Cube Warehouse

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	64.3%	52.5%	0.28	2	858	861
LDT1		7.9%	0.12	0	130	130
LDT2		20.2%	0.05	0	331	331
MDT		19.4%	0.09	0	318	318
SubTotal		100.0%		3	1637	1640
LHDT1 (2 axle truck)	6.1%	86.0%	37.04	50	84	134
LHDT2		14.0%	69.03	15	7	22
Subtota;		100.0%		65	91	156
MHDT (3 axle truck)	8.1%	100.0%	86.26	178	28	207
HHDT (4+ axle truck)	21.5%	100.0%	99.00	543	5	548
Total	100.0%			789	1762	2550

Vehicle Fleet for Light Logistics

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	76.6%	52.5%	0.28	0	26	26
LDT1		7.9%	0.12	0	4	4
LDT2		20.2%	0.05	0	10	10
MDT		19.4%	0.09	0	10	10
SubTotal		100.0%		0	49	49
LHDT1 (2 axle truck)	6.3%	86.0%	37.04	1	2	3
LHDT2		14.0%	69.03	0	0	1
Subtota;		100.0%		2	2	4
MHDT (3 axle truck)	4.7%	100.0%	86.26	3	0	3
HHDT (4+ axle truck)	12.4%	100.0%	99.00	8	0	8
Total	100.0%			12	52	64

Vehicle Fleet for Gas Compression

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	75.1%	52.5%	0.28	0	9	9
LDT1		7.9%	0.12	0	1	1
LDT2		20.2%	0.05	0	4	4
MDT		19.4%	0.09	0	3	3
SubTotal		100.0%		0	18	18
LHDT1 (2 axle truck)	12.5%	86.0%	37.04	1	2	3
LHDT2		14.0%	69.03	0	0	0
Subtota;		100.0%		1	2	3
MHDT (3 axle truck)	4.1%	100.0%	86.26	1	0	1
HHDT (4+ axle truck)	8.3%	100.0%	99.00	2	0	2
Total	100.0%			4	19	23

Vehicle Fleet for Fueling Station/Convenience Store

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	45.7%	52.5%	0.28	0	9	9
LDT1		7.9%	0.12	0	1	1
LDT2		20.2%	0.05	0	3	3
MDT		19.4%	0.09	0	3	3
SubTotal		100.0%		0	16	16
LHDT1 (2 axle truck)	2.2%	86.0%	37.04	0	0	1
LHDT2		14.0%	69.03	0	0	0
Subtota;		100.0%		0	0	1
MHDT (3 axle truck)	8.7%	100.0%	86.26	3	0	3
HHDT (4+ axle truck)	43.4%	100.0%	99.00	15	0	16
Total	100.0%			19	17	36

Vehicle Summary (High Cube + Light Logistics + Gas Compressor + Fueling Station/Convenience Store)

Vehicle Class	Pk Hr Diesel Trips	Pk Hr Non Diesel Trips	Total Pk Hr Trips
LDA	3	902	904
LDT1	0	136	137
LDT2	0	348	348
MDT	0	334	334
LHDT1	52	88	140
LHDT2	16	7	23
MHDT	184	29	214
HHDT	568	6	574
Total	823	1851	2674

Trip Generation from PB 2012 Traffic Study
Vehicle Fleet Mix taken from EMFAC2011 for the SCAQMD in **2017** and the PB 2012 Traffic Study
% Diesel taken from EMAC2011 for the SCAQMD in **2017**

World Logistics Center 2017 Phase 1
Diesel Vehicle Emissions CO

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions

CO Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/hr)	Pk Hr Emissions (lbs/hr)	Pk Hr Average Emissions (g/sec)	Total Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	LDA	15	0.345	2	950	0.59	4.91E-01	1.08E-03	1.36E-04	
	LDT1	15	0.517	0	950	0.59	4.76E-02	1.05E-04	1.32E-05	
	LDT2	15	0.355	0	950	0.59	3.47E-02	7.65E-05	9.64E-06	
	MDT	15	0.312	0	950	0.59	5.27E-02	1.16E-04	1.46E-05	
	LHDT1	15	1.465	50	950	0.59	4.28E+01	9.43E-02	1.19E-02	
	LHDT2	15	1.447	15	950	0.59	1.28E+01	2.83E-02	3.56E-03	
	MHDT	15	0.636	178	950	0.59	6.69E+01	1.47E-01	1.86E-02	
	HHDT	15	1.760	543	950	0.59	5.64E+02	1.24E+00	1.57E-01	
				789			6.87E+02	1.51E+00	1.91E-01	1.91E-01
Travel at Light Logistics	LDA	15	0.345	0	500	0.31	7.72E-03	1.70E-05	2.15E-06	
	LDT1	15	0.517	0	500	0.31	7.49E-04	1.65E-06	2.08E-07	
	LDT2	15	0.355	0	500	0.31	5.46E-04	1.20E-06	1.52E-07	
	MDT	15	0.312	0	500	0.31	8.29E-04	1.83E-06	2.30E-07	
	LHDT1	15	1.465	1	500	0.31	5.84E-01	1.29E-03	1.62E-04	
	LHDT2	15	1.447	0	500	0.31	1.75E-01	3.86E-04	4.86E-05	
	MHDT	15	0.636	3	500	0.31	5.13E-01	1.13E-03	1.42E-04	
	HHDT	15	1.760	8	500	0.31	4.29E+00	9.46E-03	1.19E-03	
				12			5.58E+00	1.23E-02	1.55E-03	1.55E-03
Travel at Gas Compressor	LDA	15	0.345	0	500	0.31	2.77E-03	6.11E-06	7.70E-07	
	LDT1	15	0.517	0	500	0.31	2.69E-04	5.92E-07	7.47E-08	
	LDT2	15	0.355	0	500	0.31	1.96E-04	4.32E-07	5.45E-08	
	MDT	15	0.312	0	500	0.31	2.97E-04	6.55E-07	8.26E-08	
	LHDT1	15	1.465	1	500	0.31	4.24E-01	9.35E-04	1.18E-04	
	LHDT2	15	1.447	0	500	0.31	1.27E-01	2.80E-04	3.53E-05	
	MHDT	15	0.636	1	500	0.31	1.64E-01	3.61E-04	4.55E-05	
	HHDT	15	1.760	2	500	0.31	1.05E+00	2.32E-03	2.92E-04	
							1.77E+00	3.90E-03	4.92E-04	4.92E-04
Travel at Refueling Station	LDA	15	0.345	0	100	0.06	5.18E-04	1.14E-06	1.44E-07	
	LDT1	15	0.517	0	100	0.06	5.03E-05	1.11E-07	1.40E-08	
	LDT2	15	0.355	0	100	0.06	3.67E-05	8.08E-08	1.02E-08	
	MDT	15	0.312	0	100	0.06	5.56E-05	1.23E-07	1.55E-08	
	LHDT1	15	1.465	0	100	0.06	2.30E-02	5.06E-05	6.38E-06	
	LHDT2	15	1.447	0	100	0.06	6.88E-03	1.51E-05	1.91E-06	
	MHDT	15	0.636	3	100	0.06	1.07E-01	2.35E-04	2.97E-05	
	HHDT	15	1.760	15	100	0.06	1.69E+00	3.72E-03	4.70E-04	
				19			1.83E+00	4.03E-03	5.08E-04	5.08E-04
Total - All Buildings	LDA			3			5.02E-01	1.11E-03	1.39E-04	
	LDT1			0			4.87E-02	1.07E-04	1.35E-05	
	LDT2			0			3.55E-02	7.82E-05	9.86E-06	
	MDT			0			5.39E-02	1.19E-04	1.50E-05	
	LHDT1			52			4.39E+01	9.66E-02	1.22E-02	
	LHDT2			16			1.31E+01	2.89E-02	3.65E-03	
	MHDT			184			6.77E+01	1.49E-01	1.88E-02	
	HHDT			568			5.71E+02	1.26E+00	1.59E-01	
	Total			823			6.96E+02	1.53E+00	1.93E-01	1.93E-01

Diesel truck Idling Emissions

CO Emissions Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	LHDT1	12.574	15	25	7.79E+01	1.72E-01	2.16E-02	
	LHDT2	12.418	15	8	2.33E+01	5.14E-02	6.48E-03	
	MHDT	25.423	15	89	5.66E+02	1.25E+00	1.57E-01	
	HHDT	41.724	15	271	2.83E+03	6.24E+00	7.86E-01	
				393	3.50E+03	7.71E+00	9.72E-01	9.72E-01
Idle at Light Logistics	LHDT1	12.57	15	1	2.02E+00	4.45E-03	5.61E-04	
	LHDT2	12.42	15	0	6.05E-01	1.33E-03	1.68E-04	
	MHDT	25.42	15	1	8.25E+00	1.82E-02	2.29E-03	
	HHDT	41.72	15	4	4.10E+01	9.03E-02	1.14E-02	
				6	5.18E+01	1.14E-01	1.44E-02	1.44E-02
Idle at Gas Compressor	LHDT1	12.57	15	0	1.47E+00	3.23E-03	4.07E-04	
	LHDT2	12.42	15	0	4.39E-01	9.68E-04	1.22E-04	
	MHDT	25.42	15	0	2.63E+00	5.80E-03	7.31E-04	
	HHDT	41.72	15	1	1.00E+01	2.21E-02	2.79E-03	
				2	1.46E+01	3.21E-02	4.05E-03	4.05E-03
Idle at Fueling Station	LHDT1	12.57	15	0	3.97E-01	8.73E-04	1.10E-04	
	LHDT2	12.42	15	0	1.19E-01	2.62E-04	3.30E-05	
	MHDT	25.42	15	1	8.59E+00	1.89E-02	2.38E-03	
	HHDT	41.72	15	8	8.07E+01	1.78E-01	2.24E-02	
				9	8.98E+01	1.98E-01	2.49E-02	2.49E-02
TOTAL				410	3.65E+03	8.05E+00	1.02E+00	1.02E+00

World Logistics Center 2017 Phase 1
Non-Diesel Vehicle Emissions CO

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions CO Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/day)	Pk Hr Emissions (lbs/day)	Pk Hr Emissions (g/sec)	Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	1.343	858	950	0.59	6.80E+02	1.50E+00	1.89E-01	
	LDT1	15	3.404	130	950	0.59	2.61E+02	5.75E-01	7.25E-02	
	LDT2	15	1.859	331	950	0.59	3.63E+02	8.00E-01	1.01E-01	
	MDT	15	2.815	318	950	0.59	5.28E+02	1.16E+00	1.47E-01	
	LHDT1	15	3.404	84	950	0.59	1.69E+02	3.73E-01	4.70E-02	
	LHDT2	15	1.611	7	950	0.59	6.41E+00	1.41E-02	1.78E-03	
	MHDT	15	5.837	28	950	0.59	9.78E+01	2.15E-01	2.72E-02	
	HHDT	15	55.254	5	950	0.59	1.79E+02	3.94E-01	4.97E-02	
				1762			2.28E+03	5.03E+00	6.35E-01	6.35E-01
Travel at Light Logistics	LDA	15	1.343	26	500	0.31	1.07E+01	2.36E-02	2.97E-03	
	LDT1	15	3.404	4	500	0.31	4.11E+00	9.04E-03	1.14E-03	
	LDT2	15	1.859	10	500	0.31	5.71E+00	1.26E-02	1.59E-03	
	MDT	15	2.815	10	500	0.31	8.31E+00	1.83E-02	2.31E-03	
	LHDT1	15	3.404	2	500	0.31	2.31E+00	5.08E-03	6.41E-04	
	LHDT2	15	1.611	0	500	0.31	8.75E-02	1.93E-04	2.43E-05	
	MHDT	15	5.837	0	500	0.31	7.49E-01	1.65E-03	2.08E-04	
	HHDT	15	55.254	0	500	0.31	1.36E+00	3.00E-03	3.78E-04	
				52			3.33E+01	7.34E-02	9.26E-03	9.26E-03
Travel at Gas Compressor	LDA	15	1.343	9	500	0.31	3.84E+00	8.46E-03	1.07E-03	
	LDT1	15	3.404	1	500	0.31	1.47E+00	3.25E-03	4.09E-04	
	LDT2	15	1.859	4	500	0.31	2.05E+00	4.52E-03	5.70E-04	
	MDT	15	2.815	3	500	0.31	2.98E+00	6.57E-03	8.28E-04	
	LHDT1	15	3.404	2	500	0.31	1.68E+00	3.69E-03	4.66E-04	
	LHDT2	15	1.611	0	500	0.31	6.35E-02	1.40E-04	1.77E-05	
	MHDT	15	5.837	0	500	0.31	2.39E-01	5.27E-04	6.65E-05	
	HHDT	15	55.254	0	500	0.31	3.34E-01	7.35E-04	9.27E-05	
				19			1.27E+01	2.79E-02	3.52E-03	3.52E-03
Travel at Fueling Station	LDA	15	1.343	9	100	0.06	7.19E-01	1.58E-03	2.00E-04	
	LDT1	15	3.404	1	100	0.06	2.76E-01	6.07E-04	7.66E-05	
	LDT2	15	1.859	3	100	0.06	3.84E-01	8.45E-04	1.07E-04	
	MDT	15	2.815	3	100	0.06	5.58E-01	1.23E-03	1.55E-04	
	LHDT1	15	3.404	0	100	0.06	9.07E-02	2.00E-04	2.52E-05	
	LHDT2	15	1.611	0	100	0.06	3.44E-03	7.57E-06	9.55E-07	
	MHDT	15	5.837	0	100	0.06	1.56E-01	3.44E-04	4.33E-05	
	HHDT	15	55.254	0	100	0.06	5.36E-01	1.18E-03	1.49E-04	
				17			2.72E+00	5.99E-03	7.56E-04	7.56E-04
Total - All Buildings	LDA			902			6.96E+02	1.53E+00	1.93E-01	
	LDT1			136			2.67E+02	5.88E-01	7.41E-02	
	LDT2			348			3.71E+02	8.18E-01	1.03E-01	
	MDT			334			5.40E+02	1.19E+00	1.50E-01	
	LHDT1			88			1.73E+02	3.82E-01	4.81E-02	
	LHDT2			7			6.57E+00	1.45E-02	1.82E-03	
	MHDT			29			9.89E+01	2.18E-01	2.75E-02	
	HHDT			6			1.81E+02	3.99E-01	5.03E-02	
				1851			2.33E+03	5.14E+00	6.48E-01	6.48E-01

Non-Diesel truck Idling Emissions CO Emissions Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	LHDT1	21.564	15	42	2.27E+02	5.00E-01	6.31E-02	
	LHDT2	14.590	15	3	1.23E+01	2.71E-02	3.42E-03	
	MHDT	134.530	15	14	4.77E+02	1.05E+00	1.33E-01	
	HHDT	134.530	15	3	9.22E+01	2.03E-01	2.56E-02	
				62	8.09E+02	1.78E+00	2.25E-01	2.25E-01
Idle at Light Logistics	LHDT1	21.56	15	1	5.88E+00	1.30E-02	1.63E-03	
	LHDT2	14.59	15	0	3.19E-01	7.02E-04	8.86E-05	
	MHDT	134.53	15	0	6.95E+00	1.53E-02	1.93E-03	
	HHDT	134.53	15	0	1.33E+00	2.94E-03	3.71E-04	
				1	1.45E+01	3.19E-02	4.02E-03	4.02E-03
Idle at Gas Compressor	LHDT1	21.56	15	1	4.27E+00	9.41E-03	1.19E-03	
	LHDT2	14.59	15	0	2.32E-01	5.10E-04	6.43E-05	
	MHDT	134.53	15	0	2.22E+00	4.89E-03	6.16E-04	
	HHDT	134.53	15	0	3.27E-01	7.20E-04	9.08E-05	
				1	7.05E+00	1.55E-02	1.96E-03	1.96E-03
Idle at Fueling Station	LHDT1	21.564	15	0	1.16E+00	2.55E-03	3.21E-04	
	LHDT2	14.590	15	0	6.26E-02	1.38E-04	1.74E-05	
	MHDT	134.530	15	0	7.24E+00	1.59E-02	2.01E-03	
	HHDT	134.530	15	0	2.63E+00	5.79E-03	7.30E-04	
				1	1.11E+01	2.44E-02	3.08E-03	3.08E-03
TOTAL				65	8.41E+02	1.85E+00	2.34E-01	2.34E-01

World Logistics Center **2017** **CO** Based on PB Traffic Results 10/23/2012
Project ONLY Emissions **Phase 1** Assumes MY2010 for Project Diesel MHDT and HHDT
Internal Roadway Circulation NoR

Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Total Emissions (g/sec)	Weighted Release Height (m)
1	3.03E-02	1.02E-01	1.32E-01	1.7
2	5.96E-02	1.94E-01	2.54E-01	1.7
3	6.68E-02	2.22E-01	2.89E-01	1.7
4	3.11E-03	8.88E-02	9.19E-02	1.1
5	2.37E-03	6.49E-02	6.73E-02	1.1
6	2.51E-02	1.49E-01	1.75E-01	1.4
7	0.00E+00	0.00E+00	0.00E+00	1.0
8	4.27E-03	1.65E-01	1.69E-01	1.1
11	2.60E-04	8.63E-03	8.89E-03	1.1
12	4.17E-04	8.62E-03	9.04E-03	1.1
14	0.00E+00	0.00E+00	0.00E+00	1.0
15	7.09E-03	1.30E-02	2.01E-02	2.1
18	0.00E+00	0.00E+00	0.00E+00	1.0
18a	0.00E+00	0.00E+00	0.00E+00	1.0
19	0.00E+00	0.00E+00	0.00E+00	1.0
20	0.00E+00	0.00E+00	0.00E+00	1.0
21	2.44E-03	3.23E-02	3.47E-02	1.2
22	2.58E-03	3.43E-02	3.68E-02	1.2
23	5.46E-05	1.21E-04	1.75E-04	1.9
24	2.75E-03	6.52E-02	6.79E-02	1.1
25	5.81E-04	1.26E-02	1.32E-02	1.1
26	0.00E+00	0.00E+00	0.00E+00	1.0
27	0.00E+00	0.00E+00	0.00E+00	1.0
28	0.00E+00	0.00E+00	0.00E+00	1.0
29	3.85E-04	1.86E-03	2.25E-03	1.5
30	1.48E-03	7.19E-03	8.67E-03	1.5
31	5.81E-03	8.04E-02	8.62E-02	1.2
			1.47E+00	

World Logistics Center 2017
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	20,229,737
LDT1-GAS	3,057,514
LDT2-GAS	7,784,714
MDT-GAS	7,504,449
LHDT1-GAS	1,260,050
LHDT2-GAS	100,636
MHDT-GAS	77,622
HHDT-GAS	19,465
Subtotal	40034188
DSL Vehicle Class	
LDA-DSL	57,723
LDDT1-DSL	3,769
LDT2-DSL	4,125
MDT-DSL	6,429
LHDT1-DSL	741,455
LHDT2-DSL	224,279
MHDT-DSL	487,512
HHDT-DSL	1,897,559
Subtotal	3422851
Grand Total	43457039

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	20229737	57723	20287460	52.49%	99.7%	0.28%
LDT1	Pass Car	3057514	3769	3061283	7.92%	99.9%	0.12%
LDT2	Pass Car	7784714	4125	7788839	20.15%	99.9%	0.05%
MDT	Pass Car	7504449	6429	7510878	19.43%	99.9%	0.09%
Subtotal		38576415	72046	38648461	100.00%	99.8%	0.19%
LHDT1	Light Heavy Truck	1260050	741455	2001505	86.03%	63.0%	37.04%
LHDT2	Light Heavy Truck	100636	224279	324915	13.97%	31.0%	69.03%
Subtotal		1360686	965734	2326420	100.00%		
MHDT	Medium Heavy Truck	77622	487512	565135	100%	13.7%	86.26%
HHDT	Heavy Heavy Truck	19465	1897559	1917024	100%	1.0%	98.98%

World Logistics Center **2017** **CO** **Phase 1**

Project-ONLY Emissions
Internal Roadway Circulation

Project Operations: 1 hours/day

Vehicle FleetTrips - Diesel

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.15%	0.01%	0.01%	0.02%	31.87%	9.64%	86.26%	98.98%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2_DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)
1	1912	1,170	49	164	530	327	0.203	2	0	0	0	16	5	141	525	689
2	1969	1,165	94	170	541	614	0.381	2	0	0	0	30	9	146	535	723
3	1164	698	50	100	317	1181	0.734	1	0	0	0	16	5	86	314	422
4	454	402	16	31	6	934	0.580	1	0	0	0	5	2	27	6	39
5	293	259	10	19	5	1060	0.658	0	0	0	0	3	1	17	5	26
6	703	511	28	52	113	1163	0.722	1	0	0	0	9	3	45	112	169
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0
8	681	610	24	47	0	1143	0.710	1	0	0	0	8	2	41	0	52
11	34	30	1	3	0	1201	0.746	0	0	0	0	0	0	3	0	3
12	52	42	3	6	0	824	0.512	0	0	0	0	1	0	6	0	7
14	0	0	0	0	0	897	0.557	0	0	0	0	0	0	0	0	0
15	138	38	46	14	40	734	0.456	0	0	0	0	15	4	12	40	72
18	0	0	0	0	0	780	0.485	0	0	0	0	0	0	0	0	0
18a	0	0	0	0	0	648	0.403	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	241	205	4	13	18	664	0.412	0	0	0	0	1	0	11	18	31
22	241	205	4	13	18	704	0.437	0	0	0	0	1	0	11	18	31
23	2	1	1	0	1	448	0.278	0	0	0	0	0	0	0	1	1
24	214	195	2	7	9	1443	0.896	0	0	0	0	1	0	6	9	17
25	225	204	2	7	11	265	0.165	0	0	0	0	1	0	6	11	19
26	0	0	0	0	0	417	0.259	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1459	0.906	0	0	0	0	0	0	0	0	0
29	19	13	0	1	4	564	0.350	0	0	0	0	0	0	1	4	5
30	19	13	0	1	4	2174	1.351	0	0	0	0	0	0	1	4	5
31	253	217	4	14	18	1563	0.971	0	0	0	0	1	0	12	18	32

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.1547	0.2233	0.1614	0.1440	0.8354	0.8250	0.3256	0.9010
2	0.1231	0.1784	0.1283	0.1143	0.4691	0.4633	0.3083	0.8470
3	0.1291	0.1855	0.1349	0.1205	0.5716	0.5645	0.3043	0.8420
4	0.1359	0.2005	0.1407	0.1243	0.4619	0.4562	0.3328	0.9280

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	Total (g/sec)
1	1	1.52E-05	1.44E-06	1.14E-06	1.58E-06	7.31E-04	2.18E-04	2.59E-03	2.67E-02	3.03E-02
2	1	2.85E-05	2.69E-06	2.13E-06	2.96E-06	2.65E-03	7.91E-04	5.05E-03	5.11E-02	5.96E-02
3	1	3.28E-05	3.10E-06	2.45E-06	3.41E-06	2.70E-03	8.08E-04	5.72E-03	5.76E-02	6.68E-02
4	1	1.50E-05	1.41E-06	1.12E-06	1.55E-06	6.69E-04	2.00E-04	1.39E-03	8.28E-04	3.11E-03
5	1	1.09E-05	1.03E-06	8.16E-07	1.13E-06	4.66E-04	1.39E-04	9.88E-04	7.60E-04	2.37E-03
6	1	2.37E-05	2.23E-06	1.77E-06	2.46E-06	1.47E-03	4.40E-04	2.91E-03	2.02E-02	2.51E-02
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	1	2.78E-05	2.62E-06	2.07E-06	2.88E-06	1.25E-03	3.74E-04	2.61E-03	0.00E+00	4.27E-03
11	1	1.45E-06	1.37E-07	1.08E-07	1.50E-07	6.55E-05	1.96E-05	1.73E-04	0.00E+00	2.60E-04
12	1	1.39E-06	1.31E-07	1.04E-07	1.45E-07	1.22E-04	3.64E-05	2.57E-04	0.00E+00	4.17E-04
14	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	1	1.10E-06	1.04E-07	8.19E-08	1.14E-07	1.56E-03	4.67E-04	5.10E-04	4.55E-03	7.09E-03
18	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18a	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1	5.42E-06	5.11E-07	4.04E-07	5.62E-07	1.37E-04	4.09E-05	4.25E-04	1.83E-03	2.44E-03
22	1	5.75E-06	5.42E-07	4.29E-07	5.96E-07	1.45E-04	4.34E-05	4.51E-04	1.94E-03	2.58E-03
23	1	1.21E-08	1.14E-09	9.03E-10	1.26E-09	1.22E-05	3.65E-06	3.68E-06	3.51E-05	5.46E-05
24	1	1.12E-05	1.06E-06	8.35E-07	1.16E-06	1.63E-04	4.87E-05	5.10E-04	2.01E-03	2.75E-03
25	1	2.16E-06	2.04E-07	1.61E-07	2.24E-07	2.58E-05	7.71E-06	9.58E-05	4.49E-04	5.81E-04
26	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	1	2.95E-07	2.78E-08	2.20E-08	3.06E-08	8.78E-06	2.62E-06	3.47E-05	3.38E-04	3.85E-04
30	1	1.14E-06	1.07E-07	8.49E-08	1.18E-07	3.39E-05	1.01E-05	1.34E-04	1.30E-03	1.48E-03
31	1	1.35E-05	1.27E-06	1.01E-06	1.40E-06	2.98E-04	8.91E-05	1.08E-03	4.32E-03	5.81E-03

World Logistics Center **2017** **CO** **Phase 1**

Project-ONLY Emissions
Internal Roadway Circulation

Project Operations: 1 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
52.34%	7.91%	20.14%	19.42%	54.16%	4.33%	13.74%	1.02%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2_GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	1912	1,170	49	164	530	327	0.203	612	93	236	227	26	2	22	5	1224
2	1969	1,165	94	170	541	614	0.381	610	92	235	226	51	4	23	5	1246
3	1164	698	50	100	317	1181	0.734	365	55	141	135	27	2	14	3	742
4	454	402	16	31	6	934	0.580	210	32	81	78	8	1	4	0	414
5	293	259	10	19	5	1060	0.658	136	20	52	50	5	0	3	0	267
6	703	511	28	52	113	1163	0.722	267	40	103	99	15	1	7	1	534
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0
8	681	610	24	47	0	1143	0.710	319	48	123	118	13	1	6	0	629
11	34	30	1	3	0	1201	0.746	16	2	6	6	1	0	0	0	31
12	52	42	3	6	0	824	0.512	22	3	9	8	2	0	1	0	45
14	0	0	0	0	0	897	0.557	0	0	0	0	0	0	0	0	0
15	138	38	46	14	40	734	0.456	20	3	8	7	25	2	2	0	67
18	0	0	0	0	0	780	0.485	0	0	0	0	0	0	0	0	0
18a	0	0	0	0	0	648	0.403	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	241	205	4	13	18	664	0.412	107	16	41	40	2	0	2	0	209
22	241	205	4	13	18	704	0.437	107	16	41	40	2	0	2	0	209
23	2	1	1	0	1	448	0.278	0	0	0	0	0	0	0	0	1
24	214	195	2	7	9	1443	0.896	102	15	39	38	1	0	1	0	197
25	225	204	2	7	11	265	0.165	107	16	41	40	1	0	1	0	206
26	0	0	0	0	0	417	0.259	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1459	0.906	0	0	0	0	0	0	0	0	0
29	19	13	0	1	4	564	0.350	7	1	3	3	0	0	0	0	14
30	19	13	0	1	4	2174	1.351	7	1	3	3	0	0	0	0	14
31	253	217	4	14	18	1563	0.971	114	17	44	42	2	0	2	0	221

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	0.9315	2.2653	1.2915	1.9424	1.3123	0.8900	3.2234	30.5923
2	0.7352	1.8169	1.0092	1.5332	0.7718	0.5594	2.0257	19.2462
3	0.8031	1.9583	1.1107	1.6752	0.9025	0.6118	2.2156	21.0348
4	0.6806	1.7396	0.9205	1.4254	0.8257	0.5594	2.0257	19.2462

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	3.22E-02	1.18E-02	1.72E-02	2.49E-02	1.95E-03	1.06E-04	4.09E-03	9.30E-03	1.02E-01
2	1	6.02E-02	2.21E-02	3.21E-02	4.65E-02	7.06E-03	3.83E-04	7.96E-03	1.78E-02	1.94E-01
3	1	6.93E-02	2.55E-02	3.70E-02	5.36E-02	7.22E-03	3.91E-04	9.02E-03	2.01E-02	2.22E-01
4	1	3.16E-02	1.16E-02	1.68E-02	2.44E-02	1.79E-03	9.68E-05	2.20E-03	2.88E-04	8.88E-02
5	1	2.31E-02	8.49E-03	1.23E-02	1.79E-02	1.24E-03	6.74E-05	1.56E-03	2.65E-04	6.49E-02
6	1	5.00E-02	1.84E-02	2.67E-02	3.87E-02	3.93E-03	2.13E-04	4.59E-03	7.05E-03	1.49E-01
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	1	5.87E-02	2.16E-02	3.13E-02	4.54E-02	3.34E-03	1.81E-04	4.11E-03	0.00E+00	1.65E-01
11	1	3.06E-03	1.12E-03	1.63E-03	2.36E-03	1.75E-04	9.47E-06	2.72E-04	0.00E+00	8.63E-03
12	1	2.94E-03	1.08E-03	1.57E-03	2.28E-03	3.25E-04	1.76E-05	4.05E-04	0.00E+00	8.62E-03
14	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	1	2.32E-03	8.52E-04	1.24E-03	1.79E-03	4.17E-03	2.26E-04	8.03E-04	1.58E-03	1.30E-02
18	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18a	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1	1.14E-02	4.21E-03	6.11E-03	8.86E-03	3.66E-04	1.98E-05	6.71E-04	6.36E-04	3.23E-02
22	1	1.21E-02	4.46E-03	6.48E-03	9.39E-03	3.88E-04	2.10E-05	7.11E-04	6.75E-04	3.43E-02
23	1	2.56E-05	9.39E-06	1.36E-05	1.98E-05	3.26E-05	1.77E-06	5.80E-06	1.22E-05	1.21E-04
24	1	2.36E-02	8.69E-03	1.26E-02	1.83E-02	4.35E-04	2.36E-05	8.03E-04	7.01E-04	6.52E-02
25	1	4.56E-03	1.68E-03	2.43E-03	3.53E-03	6.89E-05	3.73E-06	1.51E-04	1.56E-04	1.26E-02
26	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	1	6.23E-04	2.29E-04	3.33E-04	4.82E-04	2.34E-05	1.27E-06	5.48E-05	1.18E-04	1.86E-03
30	1	2.40E-03	8.83E-04	1.28E-03	1.86E-03	9.04E-05	4.90E-06	2.11E-04	4.54E-04	7.19E-03
31	1	2.85E-02	1.05E-02	1.52E-02	2.21E-02	7.96E-04	4.31E-05	1.71E-03	1.51E-03	8.04E-02

World Logistics Center **2017** **CO** Based on PB Traffic Results 10/23/2012
NON Project Emissions **Phase 1** NoR
Internal Roadway Circulation

Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Total Emissions (g/sec)	Weighted Emission Ht (m)
1	2.29E-04	4.37E-02	4.39E-02	1.0
2	3.84E-04	3.11E-02	3.15E-02	1.0
3	0.00E+00	0.00E+00	0.00E+00	1.0
4	4.72E-06	1.02E-05	1.50E-05	1.9
5	2.37E-04	7.72E-02	7.74E-02	1.0
6	7.05E-04	6.04E-02	6.11E-02	1.0
7	0.00E+00	0.00E+00	0.00E+00	0.0
8	3.89E-04	5.75E-02	5.78E-02	1.0
11	4.22E-04	7.66E-02	7.70E-02	1.0
12	2.20E-03	1.26E-01	1.28E-01	1.1
14	0.00E+00	0.00E+00	0.00E+00	1.0
15	3.64E-04	9.23E-02	9.27E-02	1.0
18	0.00E+00	0.00E+00	0.00E+00	0.0
18a	0.00E+00	0.00E+00	0.00E+00	0.0
19	0.00E+00	0.00E+00	0.00E+00	1.0
20	0.00E+00	0.00E+00	0.00E+00	1.0
21	7.47E-04	8.48E-02	8.55E-02	1.0
22	4.54E-04	3.16E-02	3.20E-02	1.0
23	3.41E-05	6.01E-04	6.35E-04	1.2
24	0.00E+00	0.00E+00	0.00E+00	1.0
25	2.48E-06	1.10E-02	1.10E-02	1.0
26	0.00E+00	0.00E+00	0.00E+00	0.0
27	0.00E+00	0.00E+00	0.00E+00	0.0
28	0.00E+00	0.00E+00	0.00E+00	0.0
29	5.63E-03	1.56E-01	1.62E-01	1.1
30	2.17E-02	6.01E-01	6.23E-01	1.1
31	3.02E-03	5.64E-01	5.67E-01	1.0
			2.05E+00	

World Logistics Center 2017
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	20,229,737
LDT1-GAS	3,057,514
LDT2-GAS	7,784,714
MDT-GAS	7,504,449
LHDT1-GAS	1,260,050
LHDT2-GAS	100,636
MHDT-GAS	77,622
HHDT-GAS	19,465
Subtotal	40034188
DSL Vehicle Class	
LDA-DSL	57,723
LDDT1-DSL	3,769
LDT2-DSL	4,125
MDT-DSL	6,429
LHDT1-DSL	741,455
LHDT2-DSL	224,279
MHDT-DSL	487,512
HHDT-DSL	1,897,559
Subtotal	3422851
Grand Total	43457039

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	20229737	57723	20287460	52.49%	99.7%	0.28%
LDT1	Pass Car	3057514	3769	3061283	7.92%	99.9%	0.12%
LDT2	Pass Car	7784714	4125	7788839	20.15%	99.9%	0.05%
MDT	Pass Car	7504449	6429	7510878	19.43%	99.9%	0.09%
Subtotal		38576415	72046	38648461	100.00%	99.8%	0.19%
LHDT1	Light Heavy Truck	1260050	741455	2001505	86.03%	63.0%	37.04%
LHDT2	Light Heavy Truck	100636	224279	324915	13.97%	31.0%	69.03%
Subtotal		1360686	965734	2326420	100.00%		
MHDT	Medium Heavy Truck	77622	487512	565135	100%	13.7%	86.26%
HHDT	Heavy Heavy Truck	19465	1897559	1917024	100%	1.0%	98.98%

World Logistics Center **2017** **CO** **Phase 1**

NON Project Emissions
Internal Roadway Circulation

Project Operations: 1 hours/day

Vehicle FleetTrips - Diesel

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.15%	0.01%	0.01%	0.02%	31.87%	9.64%	86.26%	98.98%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2_DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)
1	598	592	0	5	1	327	0.203	1	0	0	0	0	0	4	1	6
2	228	223	2	2	2	614	0.381	0	0	0	0	1	0	1	2	4
3	0	0	0	0	0	1181	0.734	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	934	0.580	0	0	0	0	0	0	0	0	0
5	325	322	2	1	0	1060	0.658	0	0	0	0	1	0	1	0	2
6	234	229	2	2	2	1163	0.722	0	0	0	0	1	0	1	2	4
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0
8	226	221	2	2	0	1143	0.710	0	0	0	0	1	0	2	0	3
11	286	281	3	2	0	1201	0.746	0	0	0	0	1	0	2	0	3
12	693	665	20	3	6	824	0.512	1	0	0	0	6	2	2	6	18
14	0	0	0	0	0	897	0.557	0	0	0	0	0	0	0	0	0
15	562	557	0	4	0	734	0.456	1	0	0	0	0	0	4	0	5
18	0	0	0	0	0	780	0.485	0	0	0	0	0	0	0	0	0
18a	0	0	0	0	0	648	0.403	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	573	564	4	2	4	664	0.412	1	0	0	0	1	0	1	4	8
22	203	197	2	2	2	704	0.437	0	0	0	0	1	0	1	2	4
23	6	6	0	0	0	448	0.278	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	1443	0.896	0	0	0	0	0	0	0	0	0
25	184	184	0	0	0	265	0.165	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	417	0.259	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1459	0.906	0	0	0	0	0	0	0	0	0
29	1280	1,184	64	3	29	564	0.350	2	0	0	0	21	6	3	28	60
30	1280	1,184	64	3	29	2174	1.351	2	0	0	0	21	6	3	28	60
31	1615	1,592	18	1	3	1563	0.971	2	0	0	0	6	2	1	3	15

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.1547	0.2233	0.1614	0.1440	0.8354	0.8250	0.5721	1.1847
2	0.1231	0.1784	0.1283	0.1143	0.4691	0.4633	0.4647	1.0755
3	0.1291	0.1855	0.1349	0.1205	0.5716	0.5645	0.4943	1.0861
4	0.1359	0.2005	0.1407	0.1243	0.4619	0.4562	0.4832	1.1529

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	Total (g/sec)
1	1	7.72E-06	7.27E-07	5.75E-07	8.00E-07	0.00E+00	0.00E+00	1.30E-04	8.97E-05	2.29E-04
2	1	5.45E-06	5.14E-07	4.06E-07	5.65E-07	5.98E-05	1.79E-05	8.86E-05	2.11E-04	3.84E-04
3	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-06	1.09E-06	0.00E+00	0.00E+00	4.72E-06
5	1	1.36E-05	1.28E-06	1.01E-06	1.41E-06	8.67E-05	2.59E-05	1.07E-04	0.00E+00	2.37E-04
6	1	1.06E-05	9.99E-07	7.91E-07	1.10E-06	1.09E-04	3.25E-05	1.51E-04	3.99E-04	7.05E-04
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	1	1.01E-05	9.50E-07	7.52E-07	1.05E-06	1.25E-04	3.72E-05	2.14E-04	0.00E+00	3.89E-04
11	1	1.35E-05	1.27E-06	1.00E-06	1.40E-06	1.45E-04	4.33E-05	2.17E-04	0.00E+00	4.22E-04
12	1	2.18E-05	2.06E-06	1.63E-06	2.26E-06	7.67E-04	2.29E-04	1.84E-04	9.89E-04	2.20E-03
14	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	1	1.63E-05	1.54E-06	1.22E-06	1.69E-06	0.00E+00	0.00E+00	2.81E-04	6.29E-05	3.64E-04
18	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18a	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1	1.49E-05	1.41E-06	1.11E-06	1.55E-06	1.09E-04	3.24E-05	8.63E-05	5.01E-04	7.47E-04
22	1	5.54E-06	5.22E-07	4.13E-07	5.74E-07	5.21E-05	1.56E-05	1.02E-04	2.78E-04	4.54E-04
23	1	1.04E-07	9.84E-09	7.79E-09	1.08E-08	0.00E+00	0.00E+00	3.23E-06	3.07E-05	3.41E-05
24	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	1	1.95E-06	1.84E-07	1.45E-07	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-06
26	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	1	2.66E-05	2.51E-06	1.98E-06	2.76E-06	1.67E-03	4.98E-04	1.51E-04	3.28E-03	5.63E-03
30	1	1.03E-04	9.67E-06	7.65E-06	1.06E-05	6.42E-03	1.92E-03	5.80E-04	1.26E-02	2.17E-02
31	1	9.92E-05	9.35E-06	7.40E-06	1.03E-05	1.30E-03	3.87E-04	1.92E-04	1.02E-03	3.02E-03

World Logistics Center **2017** **CO** **Phase 1**

NONProject Emissions
Internal Roadway Circulation

Project Operations: 1 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
52.34%	7.91%	20.14%	19.42%	54.16%	4.33%	13.74%	1.02%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2_GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	598	592	0	5	1	327	0.203	310	47	119	115	0	0	1	0	591
2	228	223	2	2	2	614	0.381	117	18	45	43	1	0	0	0	224
3	0	0	0	0	0	1181	0.734	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	934	0.580	0	0	0	0	0	0	0	0	0
5	325	322	2	1	0	1060	0.658	169	25	65	63	1	0	0	0	323
6	234	229	2	2	2	1163	0.722	120	18	46	44	1	0	0	0	230
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0
8	226	221	2	2	0	1143	0.710	116	18	45	43	1	0	0	0	223
11	286	281	3	2	0	1201	0.746	147	22	57	55	1	0	0	0	283
12	693	665	20	3	6	824	0.512	348	53	134	129	11	1	0	0	676
14	0	0	0	0	0	897	0.557	0	0	0	0	0	0	0	0	0
15	562	557	0	4	0	734	0.456	292	44	112	108	0	0	1	0	557
18	0	0	0	0	0	780	0.485	0	0	0	0	0	0	0	0	0
18a	0	0	0	0	0	648	0.403	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	573	564	4	2	4	664	0.412	295	45	114	109	2	0	0	0	565
22	203	197	2	2	2	704	0.437	103	16	40	38	1	0	0	0	198
23	6	6	0	0	0	448	0.278	3	0	1	1	0	0	0	0	6
24	0	0	0	0	0	1443	0.896	0	0	0	0	0	0	0	0	0
25	184	184	0	0	0	265	0.165	97	15	37	36	0	0	0	0	184
26	0	0	0	0	0	417	0.259	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1459	0.906	0	0	0	0	0	0	0	0	0
29	1280	1,184	64	3	29	564	0.350	620	94	238	230	35	3	0	0	1220
30	1280	1,184	64	3	29	2174	1.351	620	94	238	230	35	3	0	0	1220
31	1615	1,592	18	1	3	1563	0.971	833	126	321	309	10	1	0	0	1600

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	0.9315	2.2653	1.2915	1.9424	1.3123	0.8900	3.2234	30.5923
2	0.7352	1.8169	1.0092	1.5332	0.7718	0.5594	2.0257	19.2462
3	0.8031	1.9583	1.1107	1.6752	0.9025	0.6118	2.2156	21.0348
4	0.6806	1.7396	0.9205	1.4254	0.8257	0.5594	2.0257	19.2462

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	1.63E-02	5.98E-03	8.69E-03	1.26E-02	0.00E+00	0.00E+00	1.16E-04	2.38E-05	4.37E-02
2	1	1.15E-02	4.23E-03	6.14E-03	8.90E-03	1.60E-04	8.64E-06	7.95E-05	5.58E-05	3.11E-02
3	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-06	5.26E-07	0.00E+00	0.00E+00	1.02E-05
5	1	2.87E-02	1.06E-02	1.53E-02	2.22E-02	2.31E-04	1.25E-05	9.61E-05	0.00E+00	7.72E-02
6	1	2.24E-02	8.23E-03	1.19E-02	1.73E-02	2.90E-04	1.57E-05	1.36E-04	1.06E-04	6.04E-02
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	1	2.13E-02	7.82E-03	1.14E-02	1.65E-02	3.33E-04	1.80E-05	1.92E-04	0.00E+00	5.75E-02
11	1	2.84E-02	1.04E-02	1.52E-02	2.20E-02	3.87E-04	2.10E-05	1.94E-04	0.00E+00	7.66E-02
12	1	4.61E-02	1.69E-02	2.46E-02	3.56E-02	2.05E-03	1.11E-04	1.65E-04	2.62E-04	1.26E-01
14	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	1	3.44E-02	1.27E-02	1.84E-02	2.66E-02	0.00E+00	0.00E+00	2.52E-04	1.67E-05	9.23E-02
18	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18a	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1	3.15E-02	1.16E-02	1.68E-02	2.44E-02	2.90E-04	1.57E-05	7.74E-05	1.33E-04	8.48E-02
22	1	1.17E-02	4.30E-03	6.24E-03	9.04E-03	1.39E-04	7.53E-06	9.12E-05	7.36E-05	3.16E-02
23	1	2.20E-04	8.10E-05	1.18E-04	1.70E-04	0.00E+00	0.00E+00	2.90E-06	8.14E-06	6.01E-04
24	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	1	4.11E-03	1.51E-03	2.19E-03	3.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-02
26	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	1	5.62E-02	2.06E-02	3.00E-02	4.35E-02	4.45E-03	2.41E-04	1.35E-04	8.68E-04	1.56E-01
30	1	2.17E-01	7.96E-02	1.16E-01	1.68E-01	1.72E-02	9.29E-04	5.21E-04	3.35E-03	6.01E-01
31	1	2.09E-01	7.69E-02	1.12E-01	1.62E-01	3.46E-03	1.87E-04	1.72E-04	2.70E-04	5.64E-01

World Logistics Center **2017** **Phase 1** Assumes MY2010 for Diesel MHDT and HHDT
Nox Emissions

Emission Assumptions - Peak PM Hour

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for Nox emissions
c) Emissions calculated for 2017

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr):	24
Facility operations for All Others (hr):	24

World Logistics Center

2017 **Phase 1**

Total Peak Hour Vehicle Running Exhaust Emissions **Pollutant** **Nox**

Travel to Building	AERMOD Source ID	Diesel Vehicles (g/sec)	Non-Diesel Vehicles (g/sec)	Total (g/sec)
High Cube	Phase 1	3.97E-01	5.80E-02	4.55E-01
Light Logistics	Phase 1	3.25E-03	8.57E-04	4.11E-03
Gas Compressor	Phase 1	1.07E-03	3.26E-04	1.40E-03
Fueling Station	Phase 1	1.03E-03	6.63E-05	1.10E-03
Total		4.02E-01	5.93E-02	4.61E-01

Total Peak Hour Vehicle Idling Emission Sources **Pollutant** **Nox**

Building	AERMOD Source IDs	Diesel Vehicles Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Total Emissions (g/sec)
High Cube	Phase 1	1.01E+00	5.39E-03	1.02E+00
Light Logistics	Phase 1	1.53E-02	1.21E-04	1.54E-02
GasCompressor	Phase 1	4.66E-03	7.81E-05	4.73E-03
Fueling Station	Phase 1	2.45E-02	4.74E-05	2.45E-02
Total		1.06E+00	5.64E-03	1.06E+00

Total Peak Hour Onsite Emission

Runing Exhaust	4.61E-01	
Idling Emissions	1.06E+00	
Total	1.53E+00	g/sec
Size of Area Source	4600443	m2
Area Emission Rate	**3.32E-07**	**g/m2-sec**
Weighted Stack Height (m)	3.87E+00	

World Logistics Center **2017** **Phase 1**

Vehicle Fleet Mix

	Building Size (sq-ft)	
High Cube Warehouse	21250000	
Light Logistics	200000	
Compression Station	30825	
Fueling Station/convenience Store	3000	6 pumps
	21,483,825	

Trip Generation

	trips/pk hr (Non-PCE)	Source
High Cube Warehouse	2550	<---- PB 2012 (100512)
Light Logistics	64	
Compression Station	23	
Fueling Station/convenience Store	36	
Total	2673	

Vehicle Fleet for High Cube Warehouse

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	64.3%	52.5%	0.28	2	858	861
LDT1		7.9%	0.12	0	130	130
LDT2		20.2%	0.05	0	331	331
MDT		19.4%	0.09	0	318	318
SubTotal		100.0%		3	1637	1640
LHDT1 (2 axle truck)	6.1%	86.0%	37.04	50	84	134
LHDT2		14.0%	69.03	15	7	22
Subtota;		100.0%		65	91	156
MHDT (3 axle truck)	8.1%	100.0%	86.26	178	28	207
HHDT (4+ axle truck)	21.5%	100.0%	99.00	543	5	548
Total	100.0%			789	1762	2550

Vehicle Fleet for Light Logistics

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	76.6%	52.5%	0.28	0	26	26
LDT1		7.9%	0.12	0	4	4
LDT2		20.2%	0.05	0	10	10
MDT		19.4%	0.09	0	10	10
SubTotal		100.0%		0	49	49
LHDT1 (2 axle truck)	6.3%	86.0%	37.04	1	2	3
LHDT2		14.0%	69.03	0	0	1
Subtota;		100.0%		2	2	4
MHDT (3 axle truck)	4.7%	100.0%	86.26	3	0	3
HHDT (4+ axle truck)	12.4%	100.0%	99.00	8	0	8
Total	100.0%			12	52	64

Vehicle Fleet for Gas Compression

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	75.1%	52.5%	0.28	0	9	9
LDT1		7.9%	0.12	0	1	1
LDT2		20.2%	0.05	0	4	4
MDT		19.4%	0.09	0	3	3
SubTotal		100.0%		0	18	18
LHDT1 (2 axle truck)	12.5%	86.0%	37.04	1	2	3
LHDT2		14.0%	69.03	0	0	0
Subtota;		100.0%		1	2	3
MHDT (3 axle truck)	4.1%	100.0%	86.26	1	0	1
HHDT (4+ axle truck)	8.3%	100.0%	99.00	2	0	2
Total	100.0%			4	19	23

Vehicle Fleet for Fueling Station/Convenience Store

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	45.7%	52.5%	0.28	0	9	9
LDT1		7.9%	0.12	0	1	1
LDT2		20.2%	0.05	0	3	3
MDT		19.4%	0.09	0	3	3
SubTotal		100.0%		0	16	16
LHDT1 (2 axle truck)	2.2%	86.0%	37.04	0	0	1
LHDT2		14.0%	69.03	0	0	0
Subtota;		100.0%		0	0	1
MHDT (3 axle truck)	8.7%	100.0%	86.26	3	0	3
HHDT (4+ axle truck)	43.4%	100.0%	99.00	15	0	16
Total	100.0%			19	17	36

Vehicle Summary (High Cube + Light Logistics + Gas Compressor + Convenience Store)

Vehicle Class	Pk Hr Diesel Trips	Pk Hr Non Diesel Trips	Total Pk Hr Trips
LDA	3	902	904
LDT1	0	136	137
LDT2	0	348	348
MDT	0	334	334
LHDT1	52	88	140
LHDT2	16	7	23
MHDT	184	29	214
HHDT	568	6	574
Total	823	1851	2674

Trip Generation from PB 2012 Traffic Study
Vehicle Fleet Mix taken from EMFAC2011 for the SCAQMD in **2017** and the PB 2012 Traffic Study
% Diesel taken from EMAC2011 for the SCAQMD in **2017**

World Logistics Center 2017 Phase 1
Diesel Vehicle Emissions Nox

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions

Nox Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/hr)	Pk Hr Emissions (lbs/hr)	Pk Hr Average Emissions (g/sec)	Total Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	LDA	15	0.495	2	950	0.59	7.05E-01	1.55E-03	1.96E-04	
	LDT1	15	0.564	0	950	0.59	5.19E-02	1.14E-04	1.44E-05	
	LDT2	15	0.511	0	950	0.59	4.99E-02	1.10E-04	1.39E-05	
	MDT	15	0.389	0	950	0.59	6.57E-02	1.45E-04	1.83E-05	
	LHDT1	15	3.603	50	950	0.59	1.05E+02	2.32E-01	2.93E-02	
	LHDT2	15	3.543	15	950	0.59	3.14E+01	6.92E-02	8.73E-03	
	MHDT	15	1.609	178	950	0.59	1.69E+02	3.73E-01	4.70E-02	
	HHDT	15	3.500	543	950	0.59	1.12E+03	2.47E+00	3.11E-01	
				789			1.43E+03	3.15E+00	3.97E-01	3.97E-01
Travel at Light Logistics	LDA	15	0.495	0	500	0.31	1.11E-02	2.44E-05	3.08E-06	
	LDT1	15	0.564	0	500	0.31	8.17E-04	1.80E-06	2.27E-07	
	LDT2	15	0.511	0	500	0.31	7.85E-04	1.73E-06	2.18E-07	
	MDT	15	0.389	0	500	0.31	1.03E-03	2.28E-06	2.87E-07	
	LHDT1	15	3.603	1	500	0.31	1.44E+00	3.17E-03	3.99E-04	
	LHDT2	15	3.543	0	500	0.31	4.29E-01	9.45E-04	1.19E-04	
	MHDT	15	1.609	3	500	0.31	1.30E+00	2.86E-03	3.60E-04	
	HHDT	15	3.500	8	500	0.31	8.54E+00	1.88E-02	2.37E-03	
				12			1.17E+01	2.58E-02	3.25E-03	3.25E-03
Travel at Gas Compressor	LDA	15	0.495	0	500	0.31	3.98E-03	8.77E-06	1.11E-06	
	LDT1	15	0.564	0	500	0.31	2.93E-04	6.46E-07	8.14E-08	
	LDT2	15	0.511	0	500	0.31	2.82E-04	6.21E-07	7.83E-08	
	MDT	15	0.389	0	500	0.31	3.71E-04	8.18E-07	1.03E-07	
	LHDT1	15	3.603	1	500	0.31	1.04E+00	2.30E-03	2.90E-04	
	LHDT2	15	3.543	0	500	0.31	3.11E-01	6.86E-04	8.65E-05	
	MHDT	15	1.609	1	500	0.31	4.14E-01	9.12E-04	1.15E-04	
	HHDT	15	3.500	2	500	0.31	2.09E+00	4.61E-03	5.81E-04	
							3.87E+00	8.52E-03	1.07E-03	1.07E-03
Travel at Refueling Station	LDA	15	0.495	0	100	0.06	7.44E-04	1.64E-06	2.07E-07	
	LDT1	15	0.564	0	100	0.06	5.48E-05	1.21E-07	1.52E-08	
	LDT2	15	0.511	0	100	0.06	5.27E-05	1.16E-07	1.46E-08	
	MDT	15	0.389	0	100	0.06	6.94E-05	1.53E-07	1.93E-08	
	LHDT1	15	3.603	0	100	0.06	5.65E-02	1.24E-04	1.57E-05	
	LHDT2	15	3.543	0	100	0.06	1.68E-02	3.71E-05	4.68E-06	
	MHDT	15	1.609	3	100	0.06	2.70E-01	5.95E-04	7.50E-05	
	HHDT	15	3.500	15	100	0.06	3.36E+00	7.41E-03	9.34E-04	
				19			3.71E+00	8.17E-03	1.03E-03	1.03E-03
Total - All Buildings	LDA			3			7.21E-01	1.59E-03	2.00E-04	
	LDT1			0			5.31E-02	1.17E-04	1.47E-05	
	LDT2			0			5.10E-02	1.12E-04	1.42E-05	
	MDT			0			6.72E-02	1.48E-04	1.87E-05	
	LHDT1			52			1.08E+02	2.38E-01	3.00E-02	
	LHDT2			16			3.22E+01	7.09E-02	8.94E-03	
	MHDT			184			1.71E+02	3.77E-01	4.75E-02	
	HHDT			568			1.14E+03	2.50E+00	3.15E-01	
	Total			823			1.45E+03	3.19E+00	4.02E-01	4.02E-01

Diesel truck Idling Emissions

Nox Emissions Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	LHDT1	23.396	15	25	1.45E+02	3.19E-01	4.03E-02	
	LHDT2	23.007	15	8	4.32E+01	9.52E-02	1.20E-02	
	MHDT	38.409	15	89	8.55E+02	1.88E+00	2.38E-01	
	HHDT	38.409	15	271	2.61E+03	5.74E+00	7.24E-01	
				393	3.65E+03	8.04E+00	1.01E+00	1.01E+00
Idle at Light Logistics	LHDT1	23.40	15	1	3.76E+00	8.27E-03	1.04E-03	
	LHDT2	23.01	15	0	1.12E+00	2.47E-03	3.11E-04	
	MHDT	38.41	15	1	1.25E+01	2.74E-02	3.46E-03	
	HHDT	38.41	15	4	3.77E+01	8.31E-02	1.05E-02	
				6	5.51E+01	1.21E-01	1.53E-02	1.53E-02
Idle at Gas Compressor	LHDT1	23.40	15	0	2.73E+00	6.01E-03	7.58E-04	
	LHDT2	23.01	15	0	8.14E-01	1.79E-03	2.26E-04	
	MHDT	38.41	15	0	3.98E+00	8.76E-03	1.10E-03	
	HHDT	38.41	15	1	9.24E+00	2.04E-02	2.57E-03	
				2	1.68E+01	3.69E-02	4.66E-03	4.66E-03
Idle at Fueling Station	LHDT1	23.40	15	0	7.38E-01	1.63E-03	2.05E-04	
	LHDT2	23.01	15	0	2.20E-01	4.85E-04	6.11E-05	
	MHDT	38.41	15	1	1.30E+01	2.86E-02	3.60E-03	
	HHDT	38.41	15	8	7.43E+01	1.64E-01	2.06E-02	
				9	8.82E+01	1.94E-01	2.45E-02	2.45E-02
TOTAL				410	3.81E+03	8.39E+00	1.06E+00	1.06E+00

World Logistics Center 2017 Phase 1
Non-Diesel Vehicle Emissions Nox

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions Nox Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/day)	Pk Hr Emissions (lbs/day)	Pk Hr Emissions (g/sec)	Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	0.106	858	950	0.59	5.36E+01	1.18E-01	1.49E-02	
	LDT1	15	0.297	130	950	0.59	2.27E+01	5.01E-02	6.32E-03	
	LDT2	15	0.186	331	950	0.59	3.63E+01	7.99E-02	1.01E-02	
	MDT	15	0.319	318	950	0.59	5.98E+01	1.32E-01	1.66E-02	
	LHDT1	15	0.297	84	950	0.59	1.47E+01	3.25E-02	4.10E-03	
	LHDT2	15	0.222	7	950	0.59	8.84E-01	1.95E-03	2.46E-04	
	MHDT	15	0.621	28	950	0.59	1.04E+01	2.29E-02	2.89E-03	
	HHDT	15	3.282	5	950	0.59	1.06E+01	2.34E-02	2.95E-03	
				1762			2.09E+02	4.60E-01	5.80E-02	5.80E-02
Travel at Light Logistics	LDA	15	0.106	26	500	0.31	8.43E-01	1.86E-03	2.34E-04	
	LDT1	15	0.297	4	500	0.31	3.58E-01	7.88E-04	9.94E-05	
	LDT2	15	0.186	10	500	0.31	5.71E-01	1.26E-03	1.59E-04	
	MDT	15	0.319	10	500	0.31	9.40E-01	2.07E-03	2.61E-04	
	LHDT1	15	0.297	2	500	0.31	2.01E-01	4.43E-04	5.59E-05	
	LHDT2	15	0.222	0	500	0.31	1.21E-02	2.66E-05	3.35E-06	
	MHDT	15	0.621	0	500	0.31	7.97E-02	1.76E-04	2.22E-05	
	HHDT	15	3.282	0	500	0.31	8.09E-02	1.78E-04	2.25E-05	
				52			3.09E+00	6.80E-03	8.57E-04	8.57E-04
Travel at Gas Compressor	LDA	15	0.106	9	500	0.31	3.02E-01	6.66E-04	8.40E-05	
	LDT1	15	0.297	1	500	0.31	1.28E-01	2.83E-04	3.57E-05	
	LDT2	15	0.186	4	500	0.31	2.05E-01	4.51E-04	5.69E-05	
	MDT	15	0.319	3	500	0.31	3.37E-01	7.43E-04	9.37E-05	
	LHDT1	15	0.297	2	500	0.31	1.46E-01	3.22E-04	4.06E-05	
	LHDT2	15	0.222	0	500	0.31	8.76E-03	1.93E-05	2.43E-06	
	MHDT	15	0.621	0	500	0.31	2.55E-02	5.61E-05	7.07E-06	
	HHDT	15	3.282	0	500	0.31	1.98E-02	4.37E-05	5.51E-06	
				19			1.17E+00	2.58E-03	3.26E-04	3.26E-04
Travel at Fueling Station	LDA	15	0.106	9	100	0.06	5.66E-02	1.25E-04	1.57E-05	
	LDT1	15	0.297	1	100	0.06	2.40E-02	5.29E-05	6.67E-06	
	LDT2	15	0.186	3	100	0.06	3.83E-02	8.44E-05	1.06E-05	
	MDT	15	0.319	3	100	0.06	6.31E-02	1.39E-04	1.75E-05	
	LHDT1	15	0.297	0	100	0.06	7.90E-03	1.74E-05	2.20E-06	
	LHDT2	15	0.222	0	100	0.06	4.74E-04	1.04E-06	1.32E-07	
	MHDT	15	0.621	0	100	0.06	1.66E-02	3.66E-05	4.61E-06	
	HHDT	15	3.282	0	100	0.06	3.19E-02	7.02E-05	8.85E-06	
				17			2.39E-01	5.26E-04	6.63E-05	6.63E-05
Total - All Buildings	LDA			902			5.48E+01	1.21E-01	1.52E-02	
	LDT1			136			2.32E+01	5.12E-02	6.46E-03	
	LDT2			348			3.71E+01	8.17E-02	1.03E-02	
	MDT			334			6.11E+01	1.35E-01	1.70E-02	
	LHDT1			88			1.51E+01	3.33E-02	4.19E-03	
	LHDT2			7			9.05E-01	1.99E-03	2.51E-04	
	MHDT			29			1.05E+01	2.32E-02	2.92E-03	
	HHDT			6			1.08E+01	2.37E-02	2.99E-03	
				1851			2.13E+02	4.70E-01	5.93E-02	5.93E-02

Non-Diesel truck Idling Emissions Nox Emissions Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	LHDT1	1.206	15	42	1.27E+01	2.80E-02	3.53E-03	
	LHDT2	1.013	15	3	8.54E-01	1.88E-03	2.37E-04	
	MHDT	1.386	15	14	4.92E+00	1.08E-02	1.37E-03	
	HHDT	1.386	15	3	9.50E-01	2.09E-03	2.64E-04	
				62	1.94E+01	4.28E-02	5.39E-03	5.39E-03
Idle at Light Logistics	LHDT1	1.21	15	1	3.29E-01	7.25E-04	9.14E-05	
	LHDT2	1.01	15	0	2.21E-02	4.87E-05	6.15E-06	
	MHDT	1.39	15	0	7.16E-02	1.58E-04	1.99E-05	
	HHDT	1.39	15	0	1.37E-02	3.03E-05	3.82E-06	
				1	4.37E-01	9.62E-04	1.21E-04	1.21E-04
Idle at Gas Compressor	LHDT1	1.21	15	1	2.39E-01	5.26E-04	6.64E-05	
	LHDT2	1.01	15	0	1.61E-02	3.54E-05	4.46E-06	
	MHDT	1.39	15	0	2.29E-02	5.04E-05	6.35E-06	
	HHDT	1.39	15	0	3.37E-03	7.42E-06	9.36E-07	
				1	2.81E-01	6.20E-04	7.81E-05	7.81E-05
Idle at Fueling Station	LHDT1	1.206	15	0	6.46E-02	1.42E-04	1.80E-05	
	LHDT2	1.013	15	0	4.35E-03	9.57E-06	1.21E-06	
	MHDT	1.386	15	0	7.46E-02	1.64E-04	2.07E-05	
	HHDT	1.386	15	0	2.71E-02	5.96E-05	7.52E-06	
				1	1.71E-01	3.76E-04	4.74E-05	4.74E-05
TOTAL				65	2.03E+01	4.47E-02	5.64E-03	5.64E-03

World Logistics Center **2017** **Nox** Based on PB Traffic Results 10/23/2012
Project-ONLY Emissions **Phase 1** Assumes MY2010 for Diesel MHDT and HHDT
Internal Roadway Network NoR

Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Total Emissions (g/sec)	Weighted Release Height (m)
1	8.22E-02	1.08E-02	9.30E-02	3.7
2	1.63E-01	2.11E-02	1.84E-01	3.7
3	1.83E-01	2.40E-02	2.07E-01	3.7
4	9.85E-03	9.17E-03	1.90E-02	2.6
5	7.41E-03	6.69E-03	1.41E-02	2.6
6	6.96E-02	1.58E-02	8.53E-02	3.4
7	0.00E+00	0.00E+00	0.00E+00	4.0
8	1.43E-02	1.70E-02	3.13E-02	2.4
11	8.72E-04	8.97E-04	1.77E-03	2.5
12	1.41E-03	9.31E-04	2.34E-03	4.0
14	0.00E+00	0.00E+00	0.00E+00	0.0
15	2.06E-02	1.93E-03	2.25E-02	3.7
18	0.00E+00	0.00E+00	0.00E+00	4.0
18a	0.00E+00	0.00E+00	0.00E+00	4.0
19	0.00E+00	0.00E+00	0.00E+00	4.0
20	0.00E+00	0.00E+00	0.00E+00	4.0
21	6.85E-03	3.29E-03	1.01E-02	3.0
22	7.27E-03	3.49E-03	1.08E-02	3.0
23	1.59E-04	1.69E-05	1.76E-04	3.7
24	7.76E-03	6.54E-03	1.43E-02	2.6
25	1.62E-03	1.26E-03	2.88E-03	2.7
26	0.00E+00	0.00E+00	0.00E+00	4.0
27	0.00E+00	0.00E+00	0.00E+00	4.0
28	0.00E+00	0.00E+00	0.00E+00	4.0
29	1.05E-03	1.94E-04	1.24E-03	4.0
30	4.03E-03	7.47E-04	4.78E-03	3.5
31	1.64E-02	8.18E-03	2.45E-02	3.0
			7.29E-01	

World Logistics Center 2017
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	20,229,737
LDT1-GAS	3,057,514
LDT2-GAS	7,784,714
MDT-GAS	7,504,449
LHDT1-GAS	1,260,050
LHDT2-GAS	100,636
MHDT-GAS	77,622
HHDT-GAS	19,465
Subtotal	40034188
DSL Vehicle Class	
LDA-DSL	57,723
LDDT1-DSL	3,769
LDT2-DSL	4,125
MDT-DSL	6,429
LHDT1-DSL	741,455
LHDT2-DSL	224,279
MHDT-DSL	487,512
HHDT-DSL	1,897,559
Subtotal	3422851
Grand Total	43457039

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	20229737	57723	20287460	52.49%	99.7%	0.28%
LDT1	Pass Car	3057514	3769	3061283	7.92%	99.9%	0.12%
LDT2	Pass Car	7784714	4125	7788839	20.15%	99.9%	0.05%
MDT	Pass Car	7504449	6429	7510878	19.43%	99.9%	0.09%
Subtotal		38576415	72046	38648461	100.00%	99.8%	0.19%
LHDT1	Light Heavy Truck	1260050	741455	2001505	86.03%	63.0%	37.04%
LHDT2	Light Heavy Truck	100636	224279	324915	13.97%	31.0%	69.03%
Subtotal		1360686	965734	2326420	100.00%		
MHDT	Medium Heavy Truck	77622	487512	565135	100%	13.7%	86.26%
HHDT	Heavy Heavy Truck	19465	1897559	1917024	100%	1.0%	98.98%

World Logistics Center **2017** **Nox** **Phase 1**

Project-Related Emissions
Internal Roadway Circulation

Project Operations: 1 hours/day

Vehicle FleetTrips - Diesel

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.15%	0.01%	0.01%	0.02%	31.87%	9.64%	86.26%	98.98%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2_DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)
1	1912	1,170	49	164	530	327	0.203	2	0	0	0	16	5	141	525	689
2	1969	1,165	94	170	541	614	0.381	2	0	0	0	30	9	146	535	723
3	1164	698	50	100	317	1181	0.734	1	0	0	0	16	5	86	314	422
4	454	402	16	31	6	934	0.580	1	0	0	0	5	2	27	6	39
5	293	259	10	19	5	1060	0.658	0	0	0	0	3	1	17	5	26
6	703	511	28	52	113	1163	0.722	1	0	0	0	9	3	45	112	169
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0
8	681	610	24	47	0	1143	0.710	1	0	0	0	8	2	41	0	52
11	34	30	1	3	0	1201	0.746	0	0	0	0	0	0	3	0	3
12	52	42	3	6	0	824	0.512	0	0	0	0	1	0	6	0	7
14	0	0	0	0	0	897	0.557	0	0	0	0	0	0	0	0	0
15	138	38	46	14	40	734	0.456	0	0	0	0	15	4	12	40	72
18	0	0	0	0	0	780	0.485	0	0	0	0	0	0	0	0	0
18a	0	0	0	0	0	648	0.403	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	241	205	4	13	18	664	0.412	0	0	0	0	1	0	11	18	31
22	241	205	4	13	18	704	0.437	0	0	0	0	1	0	11	18	31
23	2	1	1	0	1	448	0.278	0	0	0	0	0	0	0	1	1
24	214	195	2	7	9	1443	0.896	0	0	0	0	1	0	6	9	17
25	225	204	2	7	11	265	0.165	0	0	0	0	1	0	6	11	19
26	0	0	0	0	0	417	0.259	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1459	0.906	0	0	0	0	0	0	0	0	0
29	19	13	0	1	4	564	0.350	0	0	0	0	0	0	1	4	5
30	19	13	0	1	4	2174	1.351	0	0	0	0	0	0	1	4	5
31	253	217	4	14	18	1563	0.971	0	0	0	0	1	0	12	18	32

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.3761	0.4273	0.3899	0.3007	2.8514	2.8040	1.0900	2.3700
2	0.4518	0.5145	0.4646	0.3521	2.7484	2.7028	0.7730	1.6810
3	0.3891	0.4424	0.4025	0.3089	2.6059	2.5626	0.8940	1.9450
4	0.5956	0.6800	0.6073	0.4514	3.3320	3.2767	0.7310	1.6070

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	Total (g/sec)
1	1	3.71E-05	2.75E-06	2.75E-06	3.30E-06	2.49E-03	7.42E-04	8.69E-03	7.02E-02	8.22E-02
2	1	6.93E-05	5.14E-06	5.13E-06	6.17E-06	9.03E-03	2.69E-03	1.69E-02	1.34E-01	1.63E-01
3	1	7.99E-05	5.93E-06	5.92E-06	7.11E-06	9.23E-03	2.75E-03	1.91E-02	1.51E-01	1.83E-01
4	1	3.64E-05	2.70E-06	2.69E-06	3.24E-06	2.28E-03	6.79E-04	4.66E-03	2.18E-03	9.85E-03
5	1	2.66E-05	1.97E-06	1.97E-06	2.37E-06	1.59E-03	4.73E-04	3.31E-03	2.00E-03	7.41E-03
6	1	5.76E-05	4.27E-06	4.27E-06	5.13E-06	5.02E-03	1.49E-03	9.75E-03	5.32E-02	6.96E-02
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	1	6.76E-05	5.01E-06	5.01E-06	6.02E-06	4.27E-03	1.27E-03	8.72E-03	0.00E+00	1.43E-02
11	1	3.52E-06	2.61E-07	2.61E-07	3.14E-07	2.23E-04	6.65E-05	5.78E-04	0.00E+00	8.72E-04
12	1	3.39E-06	2.52E-07	2.51E-07	3.02E-07	4.16E-04	1.24E-04	8.61E-04	0.00E+00	1.41E-03
14	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	1	2.67E-06	1.98E-07	1.98E-07	2.38E-07	5.34E-03	1.59E-03	1.71E-03	1.20E-02	2.06E-02
18	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18a	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1	1.32E-05	9.78E-07	9.77E-07	1.17E-06	4.68E-04	1.39E-04	1.42E-03	4.81E-03	6.85E-03
22	1	1.40E-05	1.04E-06	1.04E-06	1.25E-06	4.96E-04	1.47E-04	1.51E-03	5.10E-03	7.27E-03
23	1	2.94E-08	2.18E-09	2.18E-09	2.62E-09	4.17E-05	1.24E-05	1.23E-05	9.22E-05	1.59E-04
24	1	2.72E-05	2.02E-06	2.02E-06	2.43E-06	5.56E-04	1.65E-04	1.71E-03	5.30E-03	7.76E-03
25	1	5.25E-06	3.90E-07	3.89E-07	4.68E-07	8.80E-05	2.62E-05	3.21E-04	1.18E-03	1.62E-03
26	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	1	7.18E-07	5.33E-08	5.32E-08	6.40E-08	3.00E-05	8.92E-06	1.16E-04	8.90E-04	1.05E-03
30	1	2.77E-06	2.05E-07	2.05E-07	2.47E-07	1.16E-04	3.44E-05	4.48E-04	3.43E-03	4.03E-03
31	1	3.29E-05	2.44E-06	2.44E-06	2.93E-06	1.02E-03	3.03E-04	3.63E-03	1.14E-02	1.64E-02

World Logistics Center **2017** **Nox** **Phase 1**

Project-Related Emissions
Roadway Circulation

Project Operations: 1 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
52.34%	7.91%	20.14%	19.42%	54.16%	4.33%	13.74%	1.02%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2_GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	1912	1,170	49	164	530	327	0.203	612	93	236	227	26	2	22	5	1224
2	1969	1,165	94	170	541	614	0.381	610	92	235	226	51	4	23	5	1246
3	1164	698	50	100	317	1181	0.734	365	55	141	135	27	2	14	3	742
4	454	402	16	31	6	934	0.580	210	32	81	78	8	1	4	0	414
5	293	259	10	19	5	1060	0.658	136	20	52	50	5	0	3	0	267
6	703	511	28	52	113	1163	0.722	267	40	103	99	15	1	7	1	534
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0
8	681	610	24	47	0	1143	0.710	319	48	123	118	13	1	6	0	629
11	34	30	1	3	0	1201	0.746	16	2	6	6	1	0	0	0	31
12	52	42	3	6	0	824	0.512	22	3	9	8	2	0	1	0	45
14	0	0	0	0	0	897	0.557	0	0	0	0	0	0	0	0	0
15	138	38	46	14	40	734	0.456	20	3	8	7	25	2	2	0	67
18	0	0	0	0	0	780	0.485	0	0	0	0	0	0	0	0	0
18a	0	0	0	0	0	648	0.403	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	241	205	4	13	18	664	0.412	107	16	41	40	2	0	2	0	209
22	241	205	4	13	18	704	0.437	107	16	41	40	2	0	2	0	209
23	2	1	1	0	1	448	0.278	0	0	0	0	0	0	0	0	1
24	214	195	2	7	9	1443	0.896	102	15	39	38	1	0	1	0	197
25	225	204	2	7	11	265	0.165	107	16	41	40	1	0	1	0	206
26	0	0	0	0	0	417	0.259	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1459	0.906	0	0	0	0	0	0	0	0	0
29	19	13	0	1	4	564	0.350	7	1	3	3	0	0	0	0	14
30	19	13	0	1	4	2174	1.351	7	1	3	3	0	0	0	0	14
31	253	217	4	14	18	1563	0.971	114	17	44	42	2	0	2	0	221

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	0.0774	0.2074	0.1326	0.2261	0.2869	0.2409	0.6740	3.5621
2	0.0734	0.2041	0.1254	0.2162	0.3368	0.3018	0.8452	4.4671
3	0.0736	0.1989	0.1255	0.2147	0.3111	0.2612	0.7313	3.8650
4	0.0808	0.2386	0.1400	0.2445	0.3594	0.3018	0.8452	4.4671

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	2.68E-03	1.08E-03	1.76E-03	2.90E-03	4.26E-04	2.86E-05	8.55E-04	1.08E-03	1.08E-02
2	1	5.00E-03	2.02E-03	3.29E-03	5.42E-03	1.54E-03	1.04E-04	1.66E-03	2.07E-03	2.11E-02
3	1	5.76E-03	2.33E-03	3.80E-03	6.24E-03	1.58E-03	1.06E-04	1.89E-03	2.33E-03	2.40E-02
4	1	2.62E-03	1.06E-03	1.73E-03	2.84E-03	3.90E-04	2.62E-05	4.59E-04	3.36E-05	9.17E-03
5	1	1.92E-03	7.77E-04	1.27E-03	2.08E-03	2.72E-04	1.83E-05	3.26E-04	3.08E-05	6.69E-03
6	1	4.16E-03	1.68E-03	2.74E-03	4.50E-03	8.59E-04	5.76E-05	9.60E-04	8.21E-04	1.58E-02
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	1	4.88E-03	1.97E-03	3.21E-03	5.28E-03	7.30E-04	4.89E-05	8.59E-04	0.00E+00	1.70E-02
11	1	2.54E-04	1.03E-04	1.67E-04	2.75E-04	3.82E-05	2.56E-06	5.69E-05	0.00E+00	8.97E-04
12	1	2.45E-04	9.90E-05	1.61E-04	2.65E-04	7.11E-05	4.77E-06	8.48E-05	0.00E+00	9.31E-04
14	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	1	1.93E-04	7.80E-05	1.27E-04	2.09E-04	9.12E-04	6.12E-05	1.68E-04	1.84E-04	1.93E-03
18	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18a	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1	9.52E-04	3.85E-04	6.27E-04	1.03E-03	8.00E-05	5.36E-06	1.40E-04	7.41E-05	3.29E-03
22	1	1.01E-03	4.08E-04	6.65E-04	1.09E-03	8.48E-05	5.69E-06	1.49E-04	7.86E-05	3.49E-03
23	1	2.12E-06	8.60E-07	1.40E-06	2.30E-06	7.13E-06	4.78E-07	1.21E-06	1.42E-06	1.69E-05
24	1	1.97E-03	7.96E-04	1.29E-03	2.13E-03	9.51E-05	6.38E-06	1.68E-04	8.17E-05	6.54E-03
25	1	3.79E-04	1.53E-04	2.50E-04	4.10E-04	1.51E-05	1.01E-06	3.16E-05	1.82E-05	1.26E-03
26	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	1	5.18E-05	2.10E-05	3.41E-05	5.61E-05	5.13E-06	3.44E-07	1.15E-05	1.37E-05	1.94E-04
30	1	2.00E-04	8.08E-05	1.32E-04	2.16E-04	1.98E-05	1.33E-06	4.41E-05	5.29E-05	7.47E-04
31	1	2.37E-03	9.60E-04	1.56E-03	2.57E-03	1.74E-04	1.17E-05	3.58E-04	1.75E-04	8.18E-03

World Logistics Center **2017** **Nox** Based on PB Traffic Results 10/23/2012
NONProject Emissions **Phase 1**
Inernal Roadway Circulation NoR

Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Total Emissions (g/sec)	Weighted Release Height (m)
1	1.37E-03	4.29E-03	5.66E-03	1.7
2	2.05E-03	3.07E-03	5.12E-03	2.2
3	0.00E+00	0.00E+00	0.00E+00	1.0
4	1.61E-05	2.26E-06	1.84E-05	3.6
5	1.11E-03	7.59E-03	8.70E-03	1.4
6	3.76E-03	5.96E-03	9.72E-03	2.2
7	0.00E+00	0.00E+00	0.00E+00	4.0
8	1.96E-03	5.68E-03	7.65E-03	1.8
11	2.08E-03	7.57E-03	9.64E-03	1.6
12	1.03E-02	1.26E-02	2.29E-02	4.0
14	0.00E+00	0.00E+00	0.00E+00	0.0
15	2.21E-03	9.06E-03	1.13E-02	1.6
18	0.00E+00	0.00E+00	0.00E+00	4.0
18a	0.00E+00	0.00E+00	0.00E+00	4.0
19	0.00E+00	0.00E+00	0.00E+00	4.0
20	0.00E+00	0.00E+00	0.00E+00	4.0
21	3.94E-03	8.34E-03	1.23E-02	2.0
22	2.48E-03	3.12E-03	5.60E-03	2.3
23	1.96E-04	5.92E-05	2.56E-04	3.3
24	0.00E+00	0.00E+00	0.00E+00	1.0
25	5.86E-06	1.08E-03	1.08E-03	1.0
26	0.00E+00	0.00E+00	0.00E+00	4.0
27	0.00E+00	0.00E+00	0.00E+00	4.0
28	0.00E+00	0.00E+00	0.00E+00	4.0
29	2.71E-02	1.59E-02	4.30E-02	4.0
30	1.05E-01	6.11E-02	1.66E-01	2.9
31	1.31E-02	5.56E-02	6.87E-02	1.6
			3.77E-01	

World Logistics Center 2017
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	20,229,737
LDT1-GAS	3,057,514
LDT2-GAS	7,784,714
MDT-GAS	7,504,449
LHDT1-GAS	1,260,050
LHDT2-GAS	100,636
MHDT-GAS	77,622
HHDT-GAS	19,465
Subtotal	40034188
DSL Vehicle Class	
LDA-DSL	57,723
LDDT1-DSL	3,769
LDT2-DSL	4,125
MDT-DSL	6,429
LHDT1-DSL	741,455
LHDT2-DSL	224,279
MHDT-DSL	487,512
HHDT-DSL	1,897,559
Subtotal	3422851
Grand Total	43457039

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	20229737	57723	20287460	52.49%	99.7%	0.28%
LDT1	Pass Car	3057514	3769	3061283	7.92%	99.9%	0.12%
LDT2	Pass Car	7784714	4125	7788839	20.15%	99.9%	0.05%
MDT	Pass Car	7504449	6429	7510878	19.43%	99.9%	0.09%
Subtotal		38576415	72046	38648461	100.00%	99.8%	0.19%
LHDT1	Light Heavy Truck	1260050	741455	2001505	86.03%	63.0%	37.04%
LHDT2	Light Heavy Truck	100636	224279	324915	13.97%	31.0%	69.03%
Subtotal		1360686	965734	2326420	100.00%		
MHDT	Medium Heavy Truck	77622	487512	565135	100%	13.7%	86.26%
HHDT	Heavy Heavy Truck	19465	1897559	1917024	100%	1.0%	98.98%

World Logistics Center **2017** **Nox** **Phase 1**

NONProject Emissions
Internal Roadway Circulation

Project Operations: 1 hours/day

Vehicle FleetTrips - Diesel

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.15%	0.01%	0.01%	0.02%	31.87%	9.64%	86.26%	98.98%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2_DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)
1	598	592	0	5	1	327	0.203	1	0	0	0	0	0	4	1	6
2	228	223	2	2	2	614	0.381	0	0	0	0	1	0	1	2	4
3	0	0	0	0	0	1181	0.734	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	934	0.580	0	0	0	0	0	0	0	0	0
5	325	322	2	1	0	1060	0.658	0	0	0	0	1	0	1	0	2
6	234	229	2	2	2	1163	0.722	0	0	0	0	1	0	1	2	4
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0
8	226	221	2	2	0	1143	0.710	0	0	0	0	1	0	2	0	3
11	286	281	3	2	0	1201	0.746	0	0	0	0	1	0	2	0	3
12	693	665	20	3	6	824	0.512	1	0	0	0	6	2	2	6	18
14	0	0	0	0	0	897	0.557	0	0	0	0	0	0	0	0	0
15	562	557	0	4	0	734	0.456	1	0	0	0	0	0	4	0	5
18	0	0	0	0	0	780	0.485	0	0	0	0	0	0	0	0	0
18a	0	0	0	0	0	648	0.403	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	573	564	4	2	4	664	0.412	1	0	0	0	1	0	1	4	8
22	203	197	2	2	2	704	0.437	0	0	0	0	1	0	1	2	4
23	6	6	0	0	0	448	0.278	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	1443	0.896	0	0	0	0	0	0	0	0	0
25	184	184	0	0	0	265	0.165	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	417	0.259	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1459	0.906	0	0	0	0	0	0	0	0	0
29	1280	1,184	64	3	29	564	0.350	2	0	0	0	21	6	3	28	60
30	1280	1,184	64	3	29	2174	1.351	2	0	0	0	21	6	3	28	60
31	1615	1,592	18	1	3	1563	0.971	2	0	0	0	6	2	1	3	15

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.3761	0.4273	0.3899	0.3007	2.8514	2.8040	3.6820	6.7531
2	0.4518	0.5145	0.4646	0.3521	2.7484	2.7028	2.9408	5.2043
3	0.3891	0.4424	0.4025	0.3089	2.6059	2.5626	3.2137	5.7833
4	0.5956	0.6800	0.6073	0.4514	3.3320	3.2767	2.8632	5.0161

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	Total (g/sec)
1	1	1.88E-05	1.39E-06	1.39E-06	1.67E-06	0.00E+00	0.00E+00	8.35E-04	5.11E-04	1.37E-03
2	1	1.33E-05	9.83E-07	9.82E-07	1.18E-06	2.04E-04	6.07E-05	5.70E-04	1.20E-03	2.05E-03
3	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	3.69E-06	0.00E+00	0.00E+00	1.61E-05
5	1	3.31E-05	2.46E-06	2.45E-06	2.95E-06	2.96E-04	8.80E-05	6.89E-04	0.00E+00	1.11E-03
6	1	2.58E-05	1.91E-06	1.91E-06	2.30E-06	3.71E-04	1.10E-04	9.72E-04	2.27E-03	3.76E-03
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	1	2.45E-05	1.82E-06	1.82E-06	2.18E-06	4.25E-04	1.27E-04	1.38E-03	0.00E+00	1.96E-03
11	1	3.27E-05	2.43E-06	2.43E-06	2.92E-06	4.95E-04	1.47E-04	1.39E-03	0.00E+00	2.08E-03
12	1	5.31E-05	3.94E-06	3.93E-06	4.73E-06	2.62E-03	7.79E-04	1.19E-03	5.64E-03	1.03E-02
14	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	1	3.97E-05	2.94E-06	2.94E-06	3.53E-06	0.00E+00	0.00E+00	1.81E-03	3.59E-04	2.21E-03
18	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18a	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1	3.63E-05	2.69E-06	2.69E-06	3.23E-06	3.71E-04	1.10E-04	5.55E-04	2.86E-03	3.94E-03
22	1	1.35E-05	9.99E-07	9.98E-07	1.20E-06	1.78E-04	5.29E-05	6.54E-04	1.58E-03	2.48E-03
23	1	2.54E-07	1.88E-08	1.88E-08	2.26E-08	0.00E+00	0.00E+00	2.08E-05	1.75E-04	1.96E-04
24	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	1	4.74E-06	3.52E-07	3.51E-07	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-06
26	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	1	6.47E-05	4.80E-06	4.79E-06	5.76E-06	5.69E-03	1.69E-03	9.69E-04	1.87E-02	2.71E-02
30	1	2.49E-04	1.85E-05	1.85E-05	2.22E-05	2.19E-02	6.52E-03	3.74E-03	7.20E-02	1.05E-01
31	1	2.41E-04	1.79E-05	1.79E-05	2.15E-05	4.42E-03	1.32E-03	1.23E-03	5.81E-03	1.31E-02

World Logistics Center **2017** **Nox** **Phase 1**

NONProject Emissions
Internal Roadway Circulation

Project Operations: 1 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
52.34%	7.91%	20.14%	19.42%	54.16%	4.33%	13.74%	1.02%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2_GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	598	592	0	5	1	327	0.203	310	47	119	115	0	0	1	0	591
2	228	223	2	2	2	614	0.381	117	18	45	43	1	0	0	0	224
3	0	0	0	0	0	1181	0.734	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	934	0.580	0	0	0	0	0	0	0	0	0
5	325	322	2	1	0	1060	0.658	169	25	65	63	1	0	0	0	323
6	234	229	2	2	2	1163	0.722	120	18	46	44	1	0	0	0	230
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0
8	226	221	2	2	0	1143	0.710	116	18	45	43	1	0	0	0	223
11	286	281	3	2	0	1201	0.746	147	22	57	55	1	0	0	0	283
12	693	665	20	3	6	824	0.512	348	53	134	129	11	1	0	0	676
14	0	0	0	0	0	897	0.557	0	0	0	0	0	0	0	0	0
15	562	557	0	4	0	734	0.456	292	44	112	108	0	0	1	0	557
18	0	0	0	0	0	780	0.485	0	0	0	0	0	0	0	0	0
18a	0	0	0	0	0	648	0.403	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	573	564	4	2	4	664	0.412	295	45	114	109	2	0	0	0	565
22	203	197	2	2	2	704	0.437	103	16	40	38	1	0	0	0	198
23	6	6	0	0	0	448	0.278	3	0	1	1	0	0	0	0	6
24	0	0	0	0	0	1443	0.896	0	0	0	0	0	0	0	0	0
25	184	184	0	0	0	265	0.165	97	15	37	36	0	0	0	0	184
26	0	0	0	0	0	417	0.259	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1459	0.906	0	0	0	0	0	0	0	0	0
29	1280	1,184	64	3	29	564	0.350	620	94	238	230	35	3	0	0	1220
30	1280	1,184	64	3	29	2174	1.351	620	94	238	230	35	3	0	0	1220
31	1615	1,592	18	1	3	1563	0.971	833	126	321	309	10	1	0	0	1600

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	0.0774	0.2074	0.1326	0.2261	0.2869	0.2409	0.6740	3.5621
2	0.0734	0.2041	0.1254	0.2162	0.3368	0.3018	0.8452	4.4671
3	0.0736	0.1989	0.1255	0.2147	0.3111	0.2612	0.7313	3.8650
4	0.0808	0.2386	0.1400	0.2445	0.3594	0.3018	0.8452	4.4671

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	1.35E-03	5.48E-04	8.92E-04	1.47E-03	0.00E+00	0.00E+00	2.43E-05	2.77E-06	4.29E-03
2	1	9.56E-04	3.87E-04	6.30E-04	1.04E-03	3.49E-05	2.34E-06	1.66E-05	6.49E-06	3.07E-03
3	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-06	1.42E-07	0.00E+00	0.00E+00	2.26E-06
5	1	2.39E-03	9.67E-04	1.57E-03	2.59E-03	5.06E-05	3.39E-06	2.01E-05	0.00E+00	7.59E-03
6	1	1.86E-03	7.53E-04	1.23E-03	2.01E-03	6.34E-05	4.25E-06	2.83E-05	1.23E-05	5.96E-03
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	1	1.77E-03	7.16E-04	1.17E-03	1.92E-03	7.27E-05	4.88E-06	4.02E-05	0.00E+00	5.68E-03
11	1	2.36E-03	9.56E-04	1.56E-03	2.56E-03	8.46E-05	5.67E-06	4.06E-05	0.00E+00	7.57E-03
12	1	3.83E-03	1.55E-03	2.52E-03	4.15E-03	4.47E-04	3.00E-05	3.46E-05	3.05E-05	1.26E-02
14	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	1	2.86E-03	1.16E-03	1.89E-03	3.10E-03	0.00E+00	0.00E+00	5.27E-05	1.94E-06	9.06E-03
18	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18a	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1	2.62E-03	1.06E-03	1.73E-03	2.84E-03	6.34E-05	4.25E-06	1.62E-05	1.55E-05	8.34E-03
22	1	9.72E-04	3.93E-04	6.40E-04	1.05E-03	3.04E-05	2.04E-06	1.91E-05	8.56E-06	3.12E-03
23	1	1.83E-05	7.42E-06	1.21E-05	1.98E-05	0.00E+00	0.00E+00	6.07E-07	9.48E-07	5.92E-05
24	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	1	3.42E-04	1.38E-04	2.25E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
26	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	1	4.67E-03	1.89E-03	3.08E-03	5.06E-03	9.73E-04	6.52E-05	2.83E-05	1.01E-04	1.59E-02
30	1	1.80E-02	7.29E-03	1.19E-02	1.95E-02	3.75E-03	2.51E-04	1.09E-04	3.90E-04	6.11E-02
31	1	1.74E-02	7.04E-03	1.15E-02	1.88E-02	7.56E-04	5.07E-05	3.60E-05	3.14E-05	5.56E-02

World Logistics Center **2017** **Phase 1** Assumes MY2010 for Diesel MHDT and HHDT
PM10 Emissions

Emission Assumptions - Peak PM Hour

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for PM10 emissions
c) Emissions calculated for 2017

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr): 24
Facility operations for All Others (hr): 24

World Logistics Center

2017 **Phase 1**

Vehicle Running Exhaust Emissions

			Pollutant	**PM10**
Travel to Building	**AERMOD Source ID**	**Diesel Vehicles (g/sec)**	**Non-Diesel Vehicles (g/sec)**	**Total (g/sec)**
High Cube	Phase 1	6.67E-03	1.00E-02	1.67E-02
Light Logistics	Phase 1	6.35E-05	1.07E-04	1.71E-04
Gas Compressor	Phase 1	2.13E-05	3.74E-05	5.87E-05
Fueling Station	Phase 1	2.37E-05	8.94E-06	3.26E-05
Total		6.78E-03	1.02E-02	1.69E-02

Vehicle Idling Emission Sources

			Pollutant	**PM10**
Building	**AERMOD Source IDs**	**Diesel Vehicles Emissions (g/sec)**	**Non-Diesel Emissions (g/sec)**	**Total Emissions (g/sec)**
High Cube	Phase 1	1.09E-03	4.11E-05	1.13E-03
Light Logistics	Phase 1	2.23E-05	1.12E-06	2.34E-05
GasCompressor	Phase 1	1.05E-05	7.58E-07	1.13E-05
Fueling Station	Phase 1	3.14E-05	4.16E-07	3.18E-05
Total		1.16E-03	4.34E-05	1.20E-03

Total Onsite Emission

Runing Exhaust	1.69E-02	
Idling Emissions	1.20E-03	
Total	1.81E-02	g/sec
Size of Area Source	4600443	m2
Area Emission Rate	**3.94E-09**	**g/m2-sec**
Weighted Emission Height (m)	2.31E+00	

World Logistics Center **2017** **Phase 1**

Vehicle Fleet Mix

	Building Size (sq-ft)	
High Cube Warehouse	21250000	
Light Logistics	200000	
Compression Station	30825	
Fueling Station/Convenience Store	3000	6 pumps
	21,483,825	

Trip Generation

	trips/day (Non-PCE)	Source
High Cube Warehouse	35700	<---- PB 2012 (100412)
Light Logistics	712	
Compression Station	247	
Fueling Station/Convenience Store	464	
Total	37123	

Vehicle Fleet for High Cube Warehouse

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	79.6%	52.5%	0.28	42	14874	14915
LDT1		7.9%	0.12	3	2250	2253
LDT2		20.2%	0.05	3	5736	5739
MDT		19.4%	0.09	5	5507	5512
SubTotal		100.0%		52	28366	28419
LHDT1 (2 axle truck)	3.5%	86.0%	37.04	398	677	1075
LHDT2		14.0%	69.03	121	54	175
Subtota;		100.0%		519	731	1250
MHDT (3 axle truck)	4.6%	100.0%	86.26	1417	226	1642
HHDT (4+ axle truck)	12.3%	100.0%	99.00	4347	44	4391
Total	1			6335	29367	35701

Vehicle Fleet for Light Logistics

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	80.3%	52.5%	0.28	1	299	300
LDT1		7.9%	0.12	0	45	45
LDT2		20.2%	0.05	0	115	115
MDT		19.4%	0.09	0	111	111
SubTotal		100.0%		1	571	572
LHDT1 (2 axle truck)	5.2%	86.0%	37.04	12	20	32
LHDT2		14.0%	69.03	4	2	5
Subtota;		100.0%		15	22	37
MHDT (3 axle truck)	4.5%	100.0%	86.26	28	4	32
HHDT (4+ axle truck)	10.0%	100.0%	99.00	70	1	71
Total	100.0%			115	598	712

Vehicle Fleet for Gas Compression

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	77.2%	52.5%	0.28	0	100	100
LDT1		7.9%	0.12	0	15	15
LDT2		20.2%	0.05	0	38	38
MDT		19.4%	0.09	0	37	37
SubTotal		100.0%		0	190	190
LHDT1 (2 axle truck)	11.4%	86.0%	37.04	9	15	24
LHDT2		14.0%	69.03	3	1	4
Subtota;		100.0%		12	16	28
MHDT (3 axle truck)	2.6%	100.0%	86.26	6	1	6
HHDT (4+ axle truck)	8.8%	100.0%	99.00	21	0	22
Total	100.0%			39	208	247

Vehicle Fleet for Fueling Station/Convenience Store

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	51.4%	52.5%	0.28	0	125	125
LDT1		7.9%	0.12	0	19	19
LDT2		20.2%	0.05	0	48	48
MDT		19.4%	0.09	0	46	46
SubTotal		100.0%		0	238	239
LHDT1 (2 axle truck)	1.7%	86.0%	37.04	3	4	7
LHDT2		14.0%	69.03	1	0	1
Subtota;		100.0%		3	5	8
MHDT (3 axle truck)	7.8%	100.0%	86.26	31	5	36
HHDT (4+ axle truck)	39.1%	100.0%	99.00	180	2	181
Total	100.0%			215	250	464

Vehicle Summary (High Cube + Light Logistics + Gas Compressor + Fueling Station/Convenience Store)

Vehicle Class	Daily Diesel Trips	Daily Non Diesel Trips	Total Daily Trips
LDA	43	15397	15441
LDT1	3	2329	2332
LDT2	3	5938	5941
MDT	5	5701	5706
LHDT1	421	716	1137
LHDT2	128	57	185
MHDT	1481	236	1717
HHDT	4619	47	4665
Total	6703	30421	37124

Trip Generation from PB 2012 Traffic Study
Vehicle Fleet Mix taken from EMFAC2011 for the SCAQMD in **2017** and the PB 2012 Traffic Study
% Diesel taken from EMAC2011 for the SCAQMD in **2017**

World Logistics Center 2017 Phase 1
Diesel Vehicle Emissions PM10

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 24 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions

PM10 Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	LDA	15	0.078	42	950	0.59	1.93E+00	4.26E-03	2.24E-05	
	LDT1	15	0.126	3	950	0.59	2.02E-01	4.44E-04	2.33E-06	
	LDT2	15	0.085	3	950	0.59	1.44E-01	3.18E-04	1.67E-06	
	MDT	15	0.090	5	950	0.59	2.65E-01	5.83E-04	3.06E-06	
	LHDT1	15	0.144	398	950	0.59	3.39E+01	7.46E-02	3.92E-04	
	LHDT2	15	0.157	121	950	0.59	1.12E+01	2.46E-02	1.29E-04	
	MHDT	15	0.170	1417	950	0.59	1.42E+02	3.12E-01	1.64E-03	
	HHDT	15	0.151	4347	950	0.59	3.87E+02	8.52E-01	4.48E-03	
				6335			5.76E+02	1.27E+00	6.67E-03	6.67E-03
Travel at Light Logistics	LDA	15	0.078	1	500	0.31	2.05E-02	4.51E-05	2.37E-07	
	LDT1	15	0.126	0	500	0.31	2.14E-03	4.70E-06	2.47E-08	
	LDT2	15	0.085	0	500	0.31	1.53E-03	3.37E-06	1.77E-08	
	MDT	15	0.090	0	500	0.31	2.80E-03	6.17E-06	3.24E-08	
	LHDT1	15	0.144	12	500	0.31	5.28E-01	1.16E-03	6.11E-06	
	LHDT2	15	0.157	4	500	0.31	1.74E-01	3.84E-04	2.02E-06	
	MHDT	15	0.170	28	500	0.31	1.46E+00	3.21E-03	1.69E-05	
	HHDT	15	0.151	70	500	0.31	3.30E+00	7.27E-03	3.82E-05	
				115			5.49E+00	1.21E-02	6.35E-05	6.35E-05
Travel at Gas Compressor	LDA	15	0.078	0	500	0.31	6.82E-03	1.50E-05	7.89E-08	
	LDT1	15	0.126	0	500	0.31	7.11E-04	1.57E-06	8.23E-09	
	LDT2	15	0.085	0	500	0.31	5.09E-04	1.12E-06	5.89E-09	
	MDT	15	0.090	0	500	0.31	9.33E-04	2.06E-06	1.08E-08	
	LHDT1	15	0.144	9	500	0.31	4.01E-01	8.83E-04	4.64E-06	
	LHDT2	15	0.157	3	500	0.31	1.32E-01	2.91E-04	1.53E-06	
	MHDT	15	0.170	6	500	0.31	2.92E-01	6.42E-04	3.37E-06	
	HHDT	15	0.151	21	500	0.31	1.01E+00	2.22E-03	1.16E-05	
							1.84E+00	4.05E-03	2.13E-05	2.13E-05
Travel at Refueling Station	LDA	15	0.078	0	100	0.06	1.71E-03	3.76E-06	1.98E-08	
	LDT1	15	0.126	0	100	0.06	1.78E-04	3.93E-07	2.06E-09	
	LDT2	15	0.085	0	100	0.06	1.27E-04	2.81E-07	1.48E-09	
	MDT	15	0.090	0	100	0.06	2.34E-04	5.15E-07	2.71E-09	
	LHDT1	15	0.144	3	100	0.06	2.25E-02	4.96E-05	2.61E-07	
	LHDT2	15	0.157	1	100	0.06	7.42E-03	1.63E-05	8.59E-08	
	MHDT	15	0.170	31	100	0.06	3.29E-01	7.25E-04	3.81E-06	
	HHDT	15	0.151	180	100	0.06	1.68E+00	3.71E-03	1.95E-05	
				215						2.37E-05
Total - All Buildings	LDA			43			1.96E+00	4.32E-03	2.27E-05	
	LDT1			3			2.05E-01	4.51E-04	2.37E-06	
	LDT2			3			1.46E-01	3.23E-04	1.69E-06	
	MDT			5			2.69E-01	5.92E-04	3.11E-06	
	LHDT1			421			3.48E+01	7.67E-02	4.03E-04	
	LHDT2			128			1.15E+01	2.53E-02	1.33E-04	
	MHDT			1481			1.44E+02	3.17E-01	1.67E-03	
	HHDT			4619			3.93E+02	8.65E-01	4.55E-03	
	Total			6703			5.86E+02	1.29E+00	6.78E-03	6.78E-03

Diesel truck Idling Emissions

PM10 Emissions Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Daily Emissions (g/day)	Daily Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	LHDT1	0.401	15	199	1.99E+01	4.39E-02	2.31E-04	
	LHDT2	0.397	15	60	5.99E+00	1.32E-02	6.94E-05	
	MHDT	0.083	15	708	1.47E+01	3.24E-02	1.70E-04	
	HHDT	0.099	15	2174	5.39E+01	1.19E-01	6.23E-04	
				3141	9.45E+01	2.08E-01	1.09E-03	1.09E-03
Idle at Light Logistics	LHDT1	0.401	15	6	5.91E-01	1.30E-03	6.84E-06	
	LHDT2	0.397	15	2	1.78E-01	3.91E-04	2.06E-06	
	MHDT	0.083	15	14	2.87E-01	6.32E-04	3.32E-06	
	HHDT	0.099	15	35	8.73E-01	1.92E-03	1.01E-05	
				57	1.93E+00	4.25E-03	2.23E-05	2.23E-05
Idle at Gas Compressor	LHDT1	0.401	15	4	4.49E-01	9.88E-04	5.19E-06	
	LHDT2	0.397	15	1	1.35E-01	2.97E-04	1.56E-06	
	MHDT	0.083	15	3	5.74E-02	1.27E-04	6.65E-07	
	HHDT	0.099	15	11	2.66E-01	5.86E-04	3.08E-06	
				19	9.07E-01	2.00E-03	1.05E-05	1.05E-05
Idle at Fueling Station	LHDT1	0.401	15	1	1.26E-01	2.77E-04	1.46E-06	
	LHDT2	0.397	15	0	3.78E-02	8.33E-05	4.38E-07	
	MHDT	0.083	15	16	3.24E-01	7.14E-04	3.75E-06	
	HHDT	0.099	15	90	2.22E+00	4.90E-03	2.58E-05	
				107	2.71E+00	5.98E-03	3.14E-05	3.14E-05
TOTAL				3324	1.00E+02	2.20E-01	1.16E-03	1.16E-03

World Logistics Center 2017 Phase 1
Non-Diesel Vehicle Emissions PM10

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 24 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions PM10 Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	0.049	14874	950	0.59	4.32E+02	9.51E-01	5.00E-03	
	LDT1	15	0.054	2250	950	0.59	7.16E+01	1.58E-01	8.28E-04	
	LDT2	15	0.050	5736	950	0.59	1.68E+02	3.69E-01	1.94E-03	
	MDT	15	0.050	5507	950	0.59	1.63E+02	3.59E-01	1.88E-03	
	LHDT1	15	0.054	677	950	0.59	2.15E+01	4.74E-02	2.49E-04	
	LHDT2	15	0.048	54	950	0.59	1.53E+00	3.36E-03	1.77E-05	
	MHDT	15	0.048	226	950	0.59	6.35E+00	1.40E-02	7.35E-05	
	HHDT	15	0.046	44	950	0.59	1.20E+00	2.64E-03	1.39E-05	
				29367			8.64E+02	1.90E+00	1.00E-02	1.00E-02
Travel at Light Logistics	LDA	15	0.049	299	500	0.31	4.57E+00	1.01E-02	5.29E-05	
	LDT1	15	0.054	45	500	0.31	7.58E-01	1.67E-03	8.77E-06	
	LDT2	15	0.050	115	500	0.31	1.77E+00	3.91E-03	2.05E-05	
	MDT	15	0.050	111	500	0.31	1.72E+00	3.80E-03	2.00E-05	
	LHDT1	15	0.054	20	500	0.31	3.36E-01	7.39E-04	3.88E-06	
	LHDT2	15	0.048	2	500	0.31	2.38E-02	5.24E-05	2.75E-07	
	MHDT	15	0.048	4	500	0.31	6.52E-02	1.44E-04	7.55E-07	
	HHDT	15	0.046	1	500	0.31	1.02E-02	2.26E-05	1.19E-07	
				598			9.27E+00	2.04E-02	1.07E-04	1.07E-04
Travel at Gas Compressor	LDA	15	0.049	100	500	0.31	1.52E+00	3.35E-03	1.76E-05	
	LDT1	15	0.054	15	500	0.31	2.52E-01	5.56E-04	2.92E-06	
	LDT2	15	0.050	38	500	0.31	5.91E-01	1.30E-03	6.84E-06	
	MDT	15	0.050	37	500	0.31	5.74E-01	1.26E-03	6.65E-06	
	LHDT1	15	0.054	15	500	0.31	2.55E-01	5.61E-04	2.95E-06	
	LHDT2	15	0.048	1	500	0.31	1.81E-02	3.98E-05	2.09E-07	
	MHDT	15	0.048	1	500	0.31	1.31E-02	2.87E-05	1.51E-07	
	HHDT	15	0.046	0	500	0.31	3.12E-03	6.87E-06	3.61E-08	
				208			3.23E+00	7.11E-03	3.74E-05	3.74E-05
Travel at Fueling Station	LDA	15	0.049	125	100	0.06	3.82E-01	8.41E-04	4.42E-06	
	LDT1	15	0.054	19	100	0.06	6.33E-02	1.39E-04	7.32E-07	
	LDT2	15	0.050	48	100	0.06	1.48E-01	3.26E-04	1.71E-06	
	MDT	15	0.050	46	100	0.06	1.44E-01	3.17E-04	1.67E-06	
	LHDT1	15	0.054	4	100	0.06	1.43E-02	3.15E-05	1.66E-07	
	LHDT2	15	0.048	0	100	0.06	1.01E-03	2.23E-06	1.17E-08	
	MHDT	15	0.048	5	100	0.06	1.47E-02	3.25E-05	1.71E-07	
	HHDT	15	0.046	2	100	0.06	5.22E-03	1.15E-05	6.04E-08	
				250			7.72E-01	1.70E-03	8.94E-06	8.94E-06
Total - All Buildings	LDA			15397			4.38E+02	9.66E-01	5.07E-03	
	LDT1			2329			7.27E+01	1.60E-01	8.41E-04	
	LDT2			5938			1.70E+02	3.75E-01	1.97E-03	
	MDT			5701			1.65E+02	3.64E-01	1.91E-03	
	LHDT1			716			2.21E+01	4.87E-02	2.56E-04	
	LHDT2			57			1.57E+00	3.45E-03	1.81E-05	
	MHDT			236			6.44E+00	1.42E-02	7.46E-05	
	HHDT			47			1.22E+00	2.68E-03	1.41E-05	
				30421			8.78E+02	1.93E+00	1.02E-02	1.02E-02

Non-Diesel truck Idling Emissions **PM10 Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Daily Emissions (g/day)	Daily Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	**LHDT1**	0.031	15	338	2.60E+00	5.74E-03	3.01E-05	
	LHDT2	0.025	15	27	1.70E-01	3.74E-04	1.96E-06	
	MHDT	0.025	15	113	7.07E-01	1.56E-03	8.19E-06	
	HHDT	0.013	15	22	6.87E-02	1.51E-04	7.96E-07	
				500	3.55E+00	7.82E-03	4.11E-05	4.11E-05
Idle at Light Logistics	**LHDT1**	0.03	15	10	7.72E-02	1.70E-04	8.93E-07	
	LHDT2	0.03	15	1	5.03E-03	1.11E-05	5.82E-08	
	MHDT	0.03	15	2	1.38E-02	3.04E-05	1.60E-07	
	HHDT	0.01	15	0	1.11E-03	2.46E-06	1.29E-08	
				13	9.71E-02	2.14E-04	1.12E-06	1.12E-06
Idle at Gas Compressor	**LHDT1**	0.03	15	8	5.86E-02	1.29E-04	6.78E-07	
	LHDT2	0.03	15	1	3.82E-03	8.41E-06	4.42E-08	
	MHDT	0.03	15	0	2.76E-03	6.08E-06	3.20E-08	
	HHDT	0.01	15	0	3.40E-04	7.48E-07	3.93E-09	
				9	6.55E-02	1.44E-04	7.58E-07	7.58E-07
Idle at Fueling Station	**LHDT1**	0.031	15	2	1.64E-02	3.62E-05	1.90E-07	
	LHDT2	0.025	15	0	1.07E-03	2.36E-06	1.24E-08	
	MHDT	0.025	15	2	1.56E-02	3.43E-05	1.80E-07	
	HHDT	0.013	15	1	2.84E-03	6.26E-06	3.29E-08	
				6	3.59E-02	7.92E-05	4.16E-07	4.16E-07
TOTAL				528	3.75E+00	8.26E-03	4.34E-05	4.34E-05

World Logistics Center **2017** **PM10** Based on PB Traffic Results 10/23/2012
Project-ONLY Emissions **Phase 1** Assumes MY2010 for Diesel MHDT and HHDT
Internal Roadway Circulation NoR

Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Entrained Dust (g/sec)	Total Emissions (g/sec)	Weighted Release Height (m)
1	2.88E-03	1.58E-03	2.33E-02	2.78E-02	1.3
2	5.65E-03	3.03E-03	4.52E-02	5.39E-02	1.3
3	6.35E-03	3.47E-03	5.10E-02	6.08E-02	1.3
4	4.89E-04	1.53E-03	5.52E-03	7.54E-03	1.2
5	3.60E-04	1.12E-03	4.09E-03	5.57E-03	1.2
6	2.51E-03	2.46E-03	2.17E-02	2.67E-02	1.3
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0
8	7.91E-04	2.85E-03	9.30E-03	1.29E-02	1.2
11	5.06E-05	1.49E-04	5.22E-04	7.21E-04	1.2
12	7.76E-05	1.47E-04	6.24E-04	8.49E-04	1.3
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0
15	6.49E-04	1.94E-04	4.46E-03	5.30E-03	1.4
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0
18a	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0
21	2.69E-04	5.50E-04	2.83E-03	3.65E-03	1.2
22	2.86E-04	5.83E-04	3.00E-03	3.87E-03	1.2
23	4.95E-06	1.87E-06	2.62E-04	2.69E-04	1.1
24	3.10E-04	1.12E-03	4.30E-03	5.73E-03	1.2
25	6.34E-05	2.17E-04	8.62E-04	1.14E-03	1.2
26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0
27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0
28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0
29	3.69E-05	3.02E-05	3.19E-04	3.86E-04	1.3
30	1.42E-04	1.16E-04	1.23E-03	1.49E-03	1.3
31	6.55E-04	1.37E-03	6.91E-03	8.94E-03	1.2
				0.2275	

World Logistics Center 2017
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	20,229,737
LDT1-GAS	3,057,514
LDT2-GAS	7,784,714
MDT-GAS	7,504,449
LHDT1-GAS	1,260,050
LHDT2-GAS	100,636
MHDT-GAS	77,622
HHDT-GAS	19,465
Subtotal	40034188
DSL Vehicle Class	
LDA-DSL	57,723
LDDT1-DSL	3,769
LDT2-DSL	4,125
MDT-DSL	6,429
LHDT1-DSL	741,455
LHDT2-DSL	224,279
MHDT-DSL	487,512
HHDT-DSL	1,897,559
Subtotal	3422851
Grand Total	43457039

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	20229737	57723	20287460	52.49%	99.7%	0.28%
LDT1	Pass Car	3057514	3769	3061283	7.92%	99.9%	0.12%
LDT2	Pass Car	7784714	4125	7788839	20.15%	99.9%	0.05%
MDT	Pass Car	7504449	6429	7510878	19.43%	99.9%	0.09%
Subtotal		38576415	72046	38648461	100.00%	99.8%	0.19%
LHDT1	Light Heavy Truck	1260050	741455	2001505	86.03%	63.0%	37.04%
LHDT2	Light Heavy Truck	100636	224279	324915	13.97%	31.0%	69.03%
Subtotal		1360686	965734	2326420	100.00%		
MHDT	Medium Heavy Truck	77622	487512	565135	100%	13.7%	86.26%
HHDT	Heavy Heavy Truck	19465	1897559	1917024	100%	1.0%	98.98%

World Logistics Center **2017** **PM10** **Phase 1**

Project-Related Emissions
Internal Roadway Circulation

Project Operations: 24 hours/day

Vehicle FleetTrips - Diesel

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.15%	0.01%	0.01%	0.02%	31.87%	9.64%	86.26%	98.98%

Vehicle Trips

Roadway Segment	Daily Trips Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2_DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)
1	22567	13,803	574	1,932	6,258	327	0.203	21	1	1	2	183	55	1667	6194	8125
2	23230	13,742	1,107	2,002	6,379	614	0.381	21	1	1	2	353	107	1727	6314	8526
3	13738	8,233	588	1,179	3,738	1181	0.734	12	1	1	1	187	57	1017	3700	4977
4	5356	4,741	184	363	68	934	0.580	7	0	1	1	59	18	313	67	466
5	3452	3,057	113	227	55	1060	0.658	5	0	0	1	36	11	196	54	303
6	8298	6,029	325	610	1,334	1163	0.722	9	1	1	1	104	31	526	1320	1993
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0
8	8036	7,200	281	555	0	1143	0.710	11	1	1	1	90	27	479	0	609
11	406	357	14	35	0	1201	0.746	1	0	0	0	4	1	30	0	37
12	615	501	38	76	0	824	0.512	1	0	0	0	12	4	66	0	82
14	0	0	0	0	0	897	0.557	0	0	0	0	0	0	0	0	0
15	1634	443	547	169	475	734	0.456	1	0	0	0	174	53	146	470	844
18	0	0	0	0	0	780	0.485	0	0	0	0	0	0	0	0	0
18a	0	0	0	0	0	648	0.403	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	2838	2,418	53	156	211	664	0.412	4	0	0	0	17	5	135	209	370
22	2838	2,418	53	156	211	704	0.437	4	0	0	0	17	5	135	209	370
23	23	8	7	2	6	448	0.278	0	0	0	0	2	1	2	6	11
24	2520	2,298	29	86	107	1443	0.896	3	0	0	0	9	3	74	106	196
25	2656	2,413	25	88	130	265	0.165	4	0	0	0	8	2	76	129	219
26	0	0	0	0	0	417	0.259	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1459	0.906	0	0	0	0	0	0	0	0	0
29	220	155	4	15	46	564	0.350	0	0	0	0	1	0	13	46	60
30	220	155	4	15	46	2174	1.351	0	0	0	0	1	0	13	46	60
31	2991	2,561	49	169	212	1563	0.971	4	0	0	0	16	5	146	210	381

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.0623	0.0854	0.0651	0.0657	0.1258	0.1385	0.1678	0.1471
2	0.0585	0.0747	0.0604	0.0610	0.1103	0.1231	0.1734	0.1582
3	0.0594	0.0779	0.0616	0.0621	0.1158	0.1285	0.1685	0.1485
4	0.0597	0.0750	0.0615	0.0623	0.1076	0.1204	0.1828	0.1774

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	Total (g/sec)
1	1	3.02E-06	2.70E-07	2.25E-07	3.55E-07	5.41E-05	1.80E-05	6.58E-04	2.14E-03	2.88E-03
2	1	5.65E-06	5.06E-07	4.21E-07	6.63E-07	1.96E-04	6.52E-05	1.28E-03	4.10E-03	5.65E-03
3	1	6.51E-06	5.83E-07	4.85E-07	7.64E-07	2.00E-04	6.67E-05	1.45E-03	4.62E-03	6.35E-03
4	1	2.96E-06	2.65E-07	2.21E-07	3.48E-07	4.96E-05	1.65E-05	3.53E-04	6.65E-05	4.89E-04
5	1	2.17E-06	1.94E-07	1.62E-07	2.55E-07	3.45E-05	1.15E-05	2.50E-04	6.10E-05	3.60E-04
6	1	4.69E-06	4.20E-07	3.50E-07	5.51E-07	1.09E-04	3.63E-05	7.38E-04	1.62E-03	2.51E-03
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	1	5.51E-06	4.93E-07	4.11E-07	6.46E-07	9.26E-05	3.08E-05	6.60E-04	0.00E+00	7.91E-04
11	1	2.87E-07	2.57E-08	2.14E-08	3.37E-08	4.85E-06	1.61E-06	4.37E-05	0.00E+00	5.06E-05
12	1	2.76E-07	2.47E-08	2.06E-08	3.24E-08	9.03E-06	3.01E-06	6.52E-05	0.00E+00	7.76E-05
14	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	1	2.18E-07	1.95E-08	1.62E-08	2.55E-08	1.16E-04	3.85E-05	1.29E-04	3.65E-04	6.49E-04
18	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18a	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1	1.07E-06	9.62E-08	8.02E-08	1.26E-07	1.01E-05	3.38E-06	1.08E-04	1.47E-04	2.69E-04
22	1	1.14E-06	1.02E-07	8.50E-08	1.34E-07	1.08E-05	3.58E-06	1.14E-04	1.56E-04	2.86E-04
23	1	2.40E-09	2.15E-10	1.79E-10	2.82E-10	9.04E-07	3.01E-07	9.33E-07	2.81E-06	4.95E-06
24	1	2.22E-06	1.99E-07	1.66E-07	2.60E-07	1.21E-05	4.02E-06	1.29E-04	1.62E-04	3.10E-04
25	1	4.28E-07	3.83E-08	3.19E-08	5.02E-08	1.91E-06	6.36E-07	2.43E-05	3.61E-05	6.34E-05
26	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	1	5.85E-08	5.24E-09	4.36E-09	6.87E-09	6.51E-07	2.17E-07	8.80E-06	2.72E-05	3.69E-05
30	1	2.26E-07	2.02E-08	1.68E-08	2.65E-08	2.51E-06	8.35E-07	3.39E-05	1.05E-04	1.42E-04
31	1	2.68E-06	2.40E-07	2.00E-07	3.14E-07	2.21E-05	7.35E-06	2.75E-04	3.47E-04	6.55E-04

World Logistics Center **2017** **PM10** **Phase 1**

Project-Related Emissions
Roadway Circulation

Project Operations: 24 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
52.34%	7.91%	20.14%	19.42%	54.16%	4.33%	13.74%	1.02%

Vehicle Trips

Roadway Segment	Total Daily Trips Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2_GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	22567	13,803	574	1,932	6,258	327	0.203	7225	1092	2780	2680	311	25	265	64	14442
2	23230	13,742	1,107	2,002	6,379	614	0.381	7193	1087	2768	2668	600	48	275	65	14704
3	13738	8,233	588	1,179	3,738	1181	0.734	4309	651	1658	1599	318	25	162	38	8761
4	5356	4,741	184	363	68	934	0.580	2482	375	955	921	100	8	50	1	4890
5	3452	3,057	113	227	55	1060	0.658	1600	242	616	594	61	5	31	1	3149
6	8298	6,029	325	610	1,334	1163	0.722	3156	477	1214	1171	176	14	84	14	6305
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0
8	8036	7,200	281	555	0	1143	0.710	3769	570	1450	1398	152	12	76	0	7427
11	406	357	14	35	0	1201	0.746	187	28	72	69	8	1	5	0	369
12	615	501	38	76	0	824	0.512	262	40	101	97	21	2	10	0	533
14	0	0	0	0	0	897	0.557	0	0	0	0	0	0	0	0	0
15	1634	443	547	169	475	734	0.456	232	35	89	86	296	24	23	5	790
18	0	0	0	0	0	780	0.485	0	0	0	0	0	0	0	0	0
18a	0	0	0	0	0	648	0.403	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	2838	2,418	53	156	211	664	0.412	1266	191	487	470	29	2	21	2	2468
22	2838	2,418	53	156	211	704	0.437	1266	191	487	470	29	2	21	2	2468
23	23	8	7	2	6	448	0.278	4	1	2	2	4	0	0	0	12
24	2520	2,298	29	86	107	1443	0.896	1203	182	463	446	16	1	12	1	2324
25	2656	2,413	25	88	130	265	0.165	1263	191	486	469	14	1	12	1	2437
26	0	0	0	0	0	417	0.259	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1459	0.906	0	0	0	0	0	0	0	0	0
29	220	155	4	15	46	564	0.350	81	12	31	30	2	0	2	0	160
30	220	155	4	15	46	2174	1.351	81	12	31	30	2	0	2	0	160
31	2991	2,561	49	169	212	1563	0.971	1341	203	516	497	27	2	23	2	2610

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1 Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2 Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3 Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4 Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	0.0464	0.0482	0.0465	0.0467	0.0467	0.0464	0.0464	0.0457
2	0.0461	0.0474	0.0462	0.0464	0.0457	0.0455	0.0455	0.0452
3	0.0462	0.0475	0.0462	0.0464	0.0460	0.0458	0.0458	0.0454
4	0.0464	0.0479	0.0464	0.0466	0.0456	0.0455	0.0455	0.0452

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	7.89E-04	1.24E-04	3.04E-04	2.95E-04	3.41E-05	2.71E-06	2.89E-05	6.82E-06	1.58E-03
2	1	1.47E-03	2.31E-04	5.69E-04	5.51E-04	1.24E-04	9.80E-06	5.63E-05	1.31E-05	3.03E-03
3	1	1.70E-03	2.66E-04	6.55E-04	6.35E-04	1.26E-04	1.00E-05	6.38E-05	1.47E-05	3.47E-03
4	1	7.74E-04	1.21E-04	2.98E-04	2.89E-04	3.12E-05	2.48E-06	1.55E-05	2.12E-07	1.53E-03
5	1	5.66E-04	8.88E-05	2.18E-04	2.11E-04	2.18E-05	1.73E-06	1.10E-05	1.94E-07	1.12E-03
6	1	1.23E-03	1.92E-04	4.72E-04	4.58E-04	6.87E-05	5.45E-06	3.25E-05	5.17E-06	2.46E-03
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	1	1.44E-03	2.26E-04	5.55E-04	5.37E-04	5.84E-05	4.63E-06	2.90E-05	0.00E+00	2.85E-03
11	1	7.49E-05	1.17E-05	2.89E-05	2.80E-05	3.06E-06	2.42E-07	1.92E-06	0.00E+00	1.49E-04
12	1	7.22E-05	1.13E-05	2.78E-05	2.69E-05	5.69E-06	4.52E-07	2.87E-06	0.00E+00	1.47E-04
14	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	1	5.68E-05	8.91E-06	2.19E-05	2.12E-05	7.30E-05	5.79E-06	5.68E-06	1.16E-06	1.94E-04
18	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18a	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1	2.81E-04	4.40E-05	1.08E-04	1.05E-04	6.40E-06	5.08E-07	4.74E-06	4.67E-07	5.50E-04
22	1	2.98E-04	4.66E-05	1.15E-04	1.11E-04	6.78E-06	5.38E-07	5.03E-06	4.95E-07	5.83E-04
23	1	6.26E-07	9.82E-08	2.41E-07	2.34E-07	5.70E-07	4.52E-08	4.10E-08	8.96E-09	1.87E-06
24	1	5.80E-04	9.09E-05	2.23E-04	2.16E-04	7.61E-06	6.03E-07	5.68E-06	5.15E-07	1.12E-03
25	1	1.12E-04	1.75E-05	4.31E-05	4.17E-05	1.20E-06	9.55E-08	1.07E-06	1.15E-07	2.17E-04
26	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	1	1.53E-05	2.40E-06	5.89E-06	5.71E-06	4.10E-07	3.25E-08	3.87E-07	8.65E-08	3.02E-05
30	1	5.89E-05	9.23E-06	2.27E-05	2.20E-05	1.58E-06	1.25E-07	1.49E-06	3.34E-07	1.16E-04
31	1	7.00E-04	1.10E-04	2.70E-04	2.61E-04	1.39E-05	1.10E-06	1.21E-05	1.11E-06	1.37E-03

World Logistics Center

Entrained Road Dust

Calculation Parameters - Median Vehicle Weight

Vehicle Class	Averaged Weight Tons
Pass, LHDT,MDT	2.13
LHDT	5.63
MHDT	11.75
HHDT	23.25

Calculation Parameters - Silt Loading

	Road Type	Silt Loading (g/m2)
Freeway	F	0.022
Arterial, Major Collector	A	0.035
Minor Collector	M	0.32

Particle Size Multiplier for PM10 = 0.0022 lb/VMT

Roadway Segment	Road Type	Segment Length (m)	Segment Length (mi)	Pass (trips/Day)	Daily Pass VMT	LHDT (trips/day)	Daily LHDT VMT	MHDT (trips/day)	Daily MHDT VMT	HHDT (trips/day)	Daily HHDT VMT	Daily Total VMT	Average Vehicle Wt (tons)	Silt Loading (g/m2)	Emission Factor (lb/VMT)	Entrained Dust (lb/day)	Emissions (g/sec)
1	A	327	0.20	13,803	2804	574	117	1,932	392	6,258	1271	4584	8.90	0.035	0.0010	4.4	2.33E-02
2	A	614	0.38	13,742	5242	1,107	422	2,002	764	6,379	2433	8860	8.93	0.035	0.0010	8.6	4.52E-02
3	A	1181	0.73	8,233	6040	588	431	1,179	865	3,738	2742	10079	8.85	0.035	0.0010	9.7	5.10E-02
4	A	934	0.58	4,741	2751	184	107	363	211	68	39	3108	3.17	0.035	0.0003	1.0	5.52E-03
5	A	1060	0.66	3,057	2013	113	74	227	149	55	36	2273	3.21	0.035	0.0003	0.8	4.09E-03
6	A	1163	0.72	6,029	4356	325	235	610	441	1,334	964	5995	6.37	0.035	0.0007	4.1	2.17E-02
7	M	535	0.33	0	0	0	0	0	0	0	0	0	0.00	0.32	0.0000	0.0	0.00E+00
8	A	1143	0.71	7,200	5112	281	200	555	394	0	0	5706	2.92	0.035	0.0003	1.8	9.30E-03
11	A	1201	0.75	357	266	14	10	35	26	0	0	303	3.08	0.035	0.0003	0.1	5.22E-04
12	A	824	0.51	501	256	38	19	76	39	0	0	315	3.54	0.035	0.0004	0.1	6.24E-04
14	A	897	0.56	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
15	A	734	0.46	443	202	547	249	169	77	475	217	745	10.44	0.035	0.0011	0.8	4.46E-03
18	A	780	0.48	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
18a	A	648	0.40	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
19	A	1347	0.84	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
20	A	1067	0.66	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
21	A	664	0.41	2,418	997	53	22	156	64	211	87	1171	4.29	0.035	0.0005	0.5	2.83E-03
22	A	704	0.44	2,418	1057	53	23	156	68	211	92	1241	4.29	0.035	0.0005	0.6	3.00E-03
23	M	448	0.28	8	2	7	2	2	1	6	2	6	9.54	0.32	0.0078	0.0	2.62E-04
24	A	1443	0.90	2,298	2060	29	26	86	77	107	96	2259	3.40	0.035	0.0004	0.8	4.30E-03
25	A	265	0.16	2,413	397	25	4	88	14	130	21	437	3.52	0.035	0.0004	0.2	8.62E-04
26	M	417	0.26	0	0	0	0	0	0	0	0	0	0.00	0.32	0.0000	0.0	0.00E+00
27	M	347	0.22	0	0	0	0	0	0	0	0	0	0.00	0.32	0.0000	0.0	0.00E+00
28	A	1459	0.91	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
29	A	564	0.35	155	54	4	1	15	5	46	16	77	7.27	0.035	0.0008	0.1	3.19E-04
30	A	2174	1.35	155	209	4	5	15	20	46	62	297	7.27	0.035	0.0008	0.2	1.23E-03
31	A	1563	0.97	2,561	2487	49	48	169	164	212	206	2904	4.23	0.035	0.0005	1.3	6.91E-03
				70,532													

World Logistics Center **2017** **PM10** Based on PB Traffic Results 10/23/2012
NON Project Emissions NoR
Internal Roadway Circulation

Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Entrained Dust (g/sec)	Total Emissions (g/sec)	Weighted Release Height (m)
1	3.19E-05	7.66E-04	1.80E-03	2.59E-03	1.0
2	3.78E-05	5.44E-04	1.37E-03	1.95E-03	1.1
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.0
4	3.59E-07	1.83E-07	1.85E-06	2.39E-06	1.5
5	3.17E-05	1.35E-03	3.07E-03	4.45E-03	1.0
6	6.81E-05	1.06E-03	2.64E-03	3.76E-03	1.1
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.0
8	5.44E-05	1.01E-03	2.38E-03	3.44E-03	1.0
11	5.76E-05	1.34E-03	3.13E-03	4.53E-03	1.0
12	1.82E-04	2.20E-03	5.71E-03	8.10E-03	1.1
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.0
15	6.01E-05	1.62E-03	3.74E-03	5.42E-03	1.0
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.0
18a	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.0
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.0
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.0
21	6.41E-05	1.49E-03	3.59E-03	5.14E-03	1.0
22	4.39E-05	5.52E-04	1.42E-03	2.02E-03	1.1
23	2.69E-06	1.04E-05	2.94E-04	3.07E-04	1.0
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.0
25	4.95E-07	1.93E-04	4.24E-04	6.18E-04	1.0
26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.0
27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.0
28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.0
29	4.20E-04	2.72E-03	8.29E-03	1.14E-02	1.1
30	1.62E-03	1.05E-02	3.19E-02	4.41E-02	1.1
31	2.57E-04	9.90E-03	2.28E-02	3.30E-02	1.0
				0.1308	

World Logistics Center 2017
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	20,229,737
LDT1-GAS	3,057,514
LDT2-GAS	7,784,714
MDT-GAS	7,504,449
LHDT1-GAS	1,260,050
LHDT2-GAS	100,636
MHDT-GAS	77,622
HHDT-GAS	19,465
Subtotal	40034188
DSL Vehicle Class	
LDA-DSL	57,723
LDDT1-DSL	3,769
LDT2-DSL	4,125
MDT-DSL	6,429
LHDT1-DSL	741,455
LHDT2-DSL	224,279
MHDT-DSL	487,512
HHDT-DSL	1,897,559
Subtotal	3422851
Grand Total	43457039

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	20229737	57723	20287460	52.49%	99.7%	0.28%
LDT1	Pass Car	3057514	3769	3061283	7.92%	99.9%	0.12%
LDT2	Pass Car	7784714	4125	7788839	20.15%	99.9%	0.05%
MDT	Pass Car	7504449	6429	7510878	19.43%	99.9%	0.09%
Subtotal		38576415	72046	38648461	100.00%	99.8%	0.19%
LHDT1	Light Heavy Truck	1260050	741455	2001505	86.03%	63.0%	37.04%
LHDT2	Light Heavy Truck	100636	224279	324915	13.97%	31.0%	69.03%
Subtotal		1360686	965734	2326420	100.00%		
MHDT	Medium Heavy Truck	77622	487512	565135	100%	13.7%	86.26%
HHDT	Heavy Heavy Truck	19465	1897559	1917024	100%	1.0%	98.98%

World Logistics Center **2017** **PM10**

NON Project Emissions
Internal Roadway Circulation

Project Operations: 24 hours/day

Vehicle FleetTrips - Diesel

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.15%	0.01%	0.01%	0.02%	31.87%	9.64%	86.26%	98.98%

Vehicle Trips

Roadway Segment	Daily Trips Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2_DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)
1	7055	6,984	0	55	16	327	0.203	10	1	1	1	0	0	47	16	76
2	2693	2,628	25	20	20	614	0.381	4	0	0	0	8	2	17	20	52
3	0	0	0	0	0	1181	0.734	0	0	0	0	0	0	0	0	0
4	1	0	1	0	0	934	0.580	0	0	0	0	0	0	0	0	0
5	3836	3,801	21	14	0	1060	0.658	6	0	0	1	7	2	12	0	28
6	2761	2,699	24	18	20	1163	0.722	4	0	0	0	8	2	16	20	50
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0
8	2665	2,611	28	26	0	1143	0.710	4	0	0	0	9	3	22	0	39
11	3375	3,319	31	25	0	1201	0.746	5	0	0	1	10	3	22	0	41
12	8182	7,842	239	31	70	824	0.512	12	1	1	1	76	23	27	69	210
14	0	0	0	0	0	897	0.557	0	0	0	0	0	0	0	0	0
15	6636	6,578	0	53	5	734	0.456	10	1	1	1	0	0	46	5	63
18	0	0	0	0	0	780	0.485	0	0	0	0	0	0	0	0	0
18a	0	0	0	0	0	648	0.403	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	6758	6,654	42	18	44	664	0.412	10	1	1	1	13	4	16	44	89
22	2391	2,329	19	20	23	704	0.437	3	0	0	0	6	2	17	23	52
23	74	69	0	1	4	448	0.278	0	0	0	0	0	0	1	4	5
24	0	0	0	0	0	1443	0.896	0	0	0	0	0	0	0	0	0
25	2177	2,177	0	0	0	265	0.165	3	0	0	0	0	0	0	0	4
26	0	0	0	0	0	417	0.259	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1459	0.906	0	0	0	0	0	0	0	0	0
29	15106	13,971	759	37	339	564	0.350	21	1	1	2	242	73	32	336	709
30	15106	13,971	759	37	339	2174	1.351	21	1	1	2	242	73	32	336	709
31	19054	18,786	213	17	38	1563	0.971	28	2	2	3	68	21	15	38	176

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1 Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2 Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3 Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4 Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.0623	0.0854	0.0651	0.0657	0.1258	0.1385	0.2144	0.1621
2	0.0585	0.0747	0.0604	0.0610	0.1103	0.1231	0.2150	0.1705
3	0.0594	0.0779	0.0616	0.0621	0.1158	0.1285	0.2080	0.1607
4	0.0597	0.0750	0.0615	0.0623	0.1076	0.1204	0.2353	0.1914

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	Total (g/sec)
1	1	1.53E-06	1.37E-07	1.14E-07	1.79E-07	0.00E+00	0.00E+00	2.39E-05	6.04E-06	3.19E-05
2	1	1.08E-06	9.67E-08	8.06E-08	1.27E-07	4.43E-06	1.47E-06	1.63E-05	1.42E-05	3.78E-05
3	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	8.97E-08	0.00E+00	0.00E+00	3.59E-07
5	1	2.70E-06	2.41E-07	2.01E-07	3.16E-07	6.42E-06	2.14E-06	1.97E-05	0.00E+00	3.17E-05
6	1	2.10E-06	1.88E-07	1.57E-07	2.47E-07	8.05E-06	2.68E-06	2.78E-05	2.68E-05	6.81E-05
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	1	2.00E-06	1.79E-07	1.49E-07	2.34E-07	9.23E-06	3.07E-06	3.95E-05	0.00E+00	5.44E-05
11	1	2.67E-06	2.39E-07	1.99E-07	3.13E-07	1.07E-05	3.57E-06	3.99E-05	0.00E+00	5.76E-05
12	1	4.33E-06	3.87E-07	3.23E-07	5.08E-07	5.68E-05	1.89E-05	3.40E-05	6.66E-05	1.82E-04
14	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	1	3.23E-06	2.89E-07	2.41E-07	3.79E-07	0.00E+00	0.00E+00	5.17E-05	4.23E-06	6.01E-05
18	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18a	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1	2.96E-06	2.65E-07	2.21E-07	3.47E-07	8.04E-06	2.68E-06	1.59E-05	3.37E-05	6.41E-05
22	1	1.10E-06	9.82E-08	8.19E-08	1.29E-07	3.86E-06	1.28E-06	1.87E-05	1.87E-05	4.39E-05
23	1	2.07E-08	1.85E-09	1.54E-09	2.43E-09	0.00E+00	0.00E+00	5.96E-07	2.07E-06	2.69E-06
24	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	1	3.86E-07	3.46E-08	2.88E-08	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-07
26	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	1	5.27E-06	4.72E-07	3.93E-07	6.19E-07	1.23E-04	4.11E-05	2.77E-05	2.21E-04	4.20E-04
30	1	2.03E-05	1.82E-06	1.52E-06	2.39E-06	4.76E-04	1.58E-04	1.07E-04	8.50E-04	1.62E-03
31	1	1.97E-05	1.76E-06	1.47E-06	2.31E-06	9.60E-05	3.20E-05	3.53E-05	6.85E-05	2.57E-04

World Logistics Center **2017** **PM10**

NON Project Emissions
Internal Roadway Circulation

Project Operations: 24 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
52.34%	7.91%	20.14%	19.42%	54.16%	4.33%	13.74%	1.02%

Vehicle Trips

Roadway Segment	Total Daily Trips Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2_GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	7055	6,984	0	55	16	327	0.203	3656	553	1407	1356	0	0	8	0	6979
2	2693	2,628	25	20	20	614	0.381	1376	208	529	510	14	1	3	0	2641
3	0	0	0	0	0	1181	0.734	0	0	0	0	0	0	0	0	0
4	1	0	1	0	0	934	0.580	0	0	0	0	1	0	0	0	1
5	3836	3,801	21	14	0	1060	0.658	1990	301	766	738	11	1	2	0	3808
6	2761	2,699	24	18	20	1163	0.722	1413	214	544	524	13	1	2	0	2711
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0
8	2665	2,611	28	26	0	1143	0.710	1367	207	526	507	15	1	4	0	2626
11	3375	3,319	31	25	0	1201	0.746	1737	263	669	644	17	1	3	0	3334
12	8182	7,842	239	31	70	824	0.512	4105	620	1580	1523	129	10	4	1	7972
14	0	0	0	0	0	897	0.557	0	0	0	0	0	0	0	0	0
15	6636	6,578	0	53	5	734	0.456	3443	520	1325	1277	0	0	7	0	6573
18	0	0	0	0	0	780	0.485	0	0	0	0	0	0	0	0	0
18a	0	0	0	0	0	648	0.403	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	6758	6,654	42	18	44	664	0.412	3483	526	1340	1292	23	2	2	0	6669
22	2391	2,329	19	20	23	704	0.437	1219	184	469	452	10	1	3	0	2339
23	74	69	0	1	4	448	0.278	36	5	14	13	0	0	0	0	69
24	0	0	0	0	0	1443	0.896	0	0	0	0	0	0	0	0	0
25	2177	2,177	0	0	0	265	0.165	1140	172	438	423	0	0	0	0	2173
26	0	0	0	0	0	417	0.259	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1459	0.906	0	0	0	0	0	0	0	0	0
29	15106	13,971	759	37	339	564	0.350	7313	1105	2814	2713	411	33	5	3	14397
30	15106	13,971	759	37	339	2174	1.351	7313	1105	2814	2713	411	33	5	3	14397
31	19054	18,786	213	17	38	1563	0.971	9833	1486	3784	3648	115	9	2	0	18878

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1 Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2 Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3 Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4 Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	0.0464	0.0482	0.0465	0.0467	0.0467	0.0464	0.0464	0.0457
2	0.0461	0.0474	0.0462	0.0464	0.0457	0.0455	0.0455	0.0452
3	0.0462	0.0475	0.0462	0.0464	0.0460	0.0458	0.0458	0.0454
4	0.0464	0.0479	0.0464	0.0466	0.0456	0.0455	0.0455	0.0452

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	3.99E-04	6.26E-05	1.54E-04	1.49E-04	0.00E+00	0.00E+00	8.24E-07	1.74E-08	7.66E-04
2	1	2.82E-04	4.42E-05	1.09E-04	1.05E-04	2.79E-06	2.21E-07	5.62E-07	4.10E-08	5.44E-04
3	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-07	1.35E-08	0.00E+00	0.00E+00	1.83E-07
5	1	7.04E-04	1.10E-04	2.71E-04	2.63E-04	4.05E-06	3.21E-07	6.80E-07	0.00E+00	1.35E-03
6	1	5.49E-04	8.60E-05	2.12E-04	2.05E-04	5.07E-06	4.03E-07	9.59E-07	7.76E-08	1.06E-03
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	1	5.22E-04	8.18E-05	2.01E-04	1.95E-04	5.82E-06	4.62E-07	1.36E-06	0.00E+00	1.01E-03
11	1	6.97E-04	1.09E-04	2.69E-04	2.60E-04	6.77E-06	5.37E-07	1.37E-06	0.00E+00	1.34E-03
12	1	1.13E-03	1.77E-04	4.35E-04	4.22E-04	3.58E-05	2.84E-06	1.17E-06	1.92E-07	2.20E-03
14	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	1	8.44E-04	1.32E-04	3.25E-04	3.15E-04	0.00E+00	0.00E+00	1.78E-06	1.22E-08	1.62E-03
18	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18a	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1	7.72E-04	1.21E-04	2.98E-04	2.88E-04	5.07E-06	4.02E-07	5.47E-07	9.74E-08	1.49E-03
22	1	2.87E-04	4.49E-05	1.10E-04	1.07E-04	2.43E-06	1.93E-07	6.45E-07	5.40E-08	5.52E-04
23	1	5.40E-06	8.47E-07	2.08E-06	2.02E-06	0.00E+00	0.00E+00	2.05E-08	5.98E-09	1.04E-05
24	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	1	1.01E-04	1.58E-05	3.89E-05	3.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-04
26	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	1	1.38E-03	2.16E-04	5.31E-04	5.14E-04	7.78E-05	6.17E-06	9.56E-07	6.38E-07	2.72E-03
30	1	5.31E-03	8.32E-04	2.05E-03	1.98E-03	3.00E-04	2.38E-05	3.68E-06	2.46E-06	1.05E-02
31	1	5.13E-03	8.05E-04	1.98E-03	1.92E-03	6.05E-05	4.80E-06	1.22E-06	1.98E-07	9.90E-03

World Logistics Center

Entrained Road Dust

Calculation Parameters - Median Vehicle Weight

Vehicle Class	Averaged Weight Tons
Pass, LHDT,MDT	2.13
LHDT	5.63
MHDT	11.75
HHDT	23.25

Calculation Parameters - Silt Loading

	Road Type	Silt Loading (g/m2)
Freeway	F	0.022
Arterial, Major Collector	A	0.035
Minor Collector	M	0.32

Particle Size Multiplier for PM10 = 0.0022 lb/VMT

Roadway Segment	Road Type	Segment Length (m)	Segment Length (mi)	Pass (trips/Day)	Daily Pass VMT	LHDT (trips/day)	Daily LHDT VMT	MHDT (trips/day)	Daily MHDT VMT	HHDT (trips/day)	Daily HHDT VMT	Daily Total VMT	Average Vehicle Wt (tons)	Silt Loading (g/m2)	Emission Factor (lb/VMT)	Entrained Dust (lb/day)	Emissions (g/sec)
1	A	327	0.20	6,984	1419	0	0	55	11	16	3	1433	2.25	0.035	0.0002	0.3	1.80E-03
2	A	614	0.38	2,628	1002	25	10	20	8	20	8	1027	2.39	0.035	0.0003	0.3	1.37E-03
3	A	1181	0.73	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
4	A	934	0.58	0	0	1	1	0	0	0	0	1	5.63	0.035	0.0006	0.0	1.85E-06
5	A	1060	0.66	3,801	2503	21	14	14	9	0	0	2526	2.18	0.035	0.0002	0.6	3.07E-03
6	A	1163	0.72	2,699	1950	24	17	18	13	20	14	1995	2.38	0.035	0.0003	0.5	2.64E-03
7	M	535	0.33	0	0	0	0	0	0	0	0	0	0.00	0.32	0.0000	0.0	0.00E+00
8	A	1143	0.71	2,611	1854	28	20	26	18	0	0	1892	2.26	0.035	0.0002	0.5	2.38E-03
11	A	1201	0.75	3,319	2476	31	23	25	19	0	0	2518	2.23	0.035	0.0002	0.6	3.13E-03
12	A	824	0.51	7,842	4014	239	122	31	16	70	36	4188	2.45	0.035	0.0003	1.1	5.71E-03
14	A	897	0.56	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
15	A	734	0.46	6,578	2999	0	0	53	24	5	2	3026	2.22	0.035	0.0002	0.7	3.74E-03
18	A	780	0.48	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
18a	A	648	0.40	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
19	A	1347	0.84	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
20	A	1067	0.66	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
21	A	664	0.41	6,654	2745	42	17	18	7	44	18	2788	2.31	0.035	0.0002	0.7	3.59E-03
22	A	704	0.44	2,329	1019	19	8	20	9	23	10	1046	2.44	0.035	0.0003	0.3	1.42E-03
23	M	448	0.28	69	19	0	0	1	0	4	1	21	3.40	0.32	0.0027	0.1	2.94E-04
24	A	1443	0.90	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
25	A	265	0.16	2,177	358	0	0	0	0	0	0	358	2.13	0.035	0.0002	0.1	4.24E-04
26	M	417	0.26	0	0	0	0	0	0	0	0	0	0.00	0.32	0.0000	0.0	0.00E+00
27	M	347	0.22	0	0	0	0	0	0	0	0	0	0.00	0.32	0.0000	0.0	0.00E+00
28	A	1459	0.91	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
29	A	564	0.35	13,971	4895	759	266	37	13	339	119	5293	2.80	0.035	0.0003	1.6	8.29E-03
30	A	2174	1.35	13,971	18868	759	1025	37	50	339	458	20401	2.80	0.035	0.0003	6.1	3.19E-02
31	A	1563	0.97	18,786	18240	213	207	17	17	38	37	18501	2.22	0.035	0.0002	4.3	2.28E-02

World Logistics Center **2017** **Phase 1** Assumes MY2010 for Diesel MHDT and HHDT
PM2.5 Emissions

Emission Assumptions - Peak PM Hour

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for PM2.5 emissions
c) Emissions calculated for 2017

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr):	24
Facility operations for All Others (hr):	24

World Logistics Center

2017 **Phase 1**

Vehicle Running Exhaust Emissions **Pollutant** **PM2.5**

Travel to Building	**AERMOD Source ID**	**Diesel Vehicles (g/sec)**	**Non-Diesel Vehicles (g/sec)**	**Total (g/sec)**
High Cube	Phase 1	3.84E-03	4.52E-03	8.36E-03
Light Logistics	Phase 1	3.65E-05	4.84E-05	8.50E-05
Gas Compressor	Phase 1	1.25E-05	1.69E-05	2.94E-05
Fueling Station	Phase 1	1.38E-05	4.03E-06	1.78E-05
Total		3.90E-03	4.58E-03	8.49E-03

Vehicle Idling Emission Sources **Pollutant** **PM2.5**

Building	**AERMOD Source IDs**	**Diesel Vehicles Emissions (g/sec)**	**Non-Diesel Emissions (g/sec)**	**Total Emissions (g/sec)**
High Cube	Phase 1	1.07E-03	3.87E-05	1.11E-03
Light Logistics	Phase 1	2.16E-05	1.05E-06	2.27E-05
GasCompressor	Phase 1	9.96E-06	7.04E-07	1.07E-05
Fueling Station	Phase 1	3.12E-05	4.14E-07	3.17E-05
Total		1.13E-03	4.08E-05	1.17E-03

Total Onsite Emission

Runing Exhaust	8.49E-03	
Idling Emissions	1.17E-03	
Total	9.66E-03	g/sec
Size of Area Source	4600443	m2
Area Emission Rate	**2.10E-09**	**g/m2-sec**
Weighted Emission Height (m)	2.56E+00	

World Logistics Center **2017** **Phase 1**

Vehicle Fleet Mix

	Building Size (sq-ft)	
High Cube Warehouse	21250000	
Light Logistics	200000	
Compression Station	30825	
Fueling Station/Convenience Store	3000	6 pumps
	21,483,825	

Trip Generation

	trips/day (Non-PCE)	Source
High Cube Warehouse	35700	<---- PB 2012 (100412)
Light Logistics	712	
Compression Station	247	
Fueling Station/Convenience Store	464	
Total	37123	

Vehicle Fleet for High Cube Warehouse

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	79.6%	52.5%	0.28	42	14874	14915
LDT1		7.9%	0.12	3	2250	2253
LDT2		20.2%	0.05	3	5736	5739
MDT		19.4%	0.09	5	5507	5512
SubTotal		100.0%		52	28366	28419
LHDT1 (2 axle truck)	3.5%	86.0%	37.04	398	677	1075
LHDT2		14.0%	69.03	121	54	175
Subtota;		100.0%		519	731	1250
MHDT (3 axle truck)	4.6%	100.0%	86.26	1417	226	1642
HHDT (4+ axle truck)	12.3%	100.0%	99.00	4347	44	4391
Total	100.0%			6335	29367	35701

Vehicle Fleet for Light Logistics

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	80.3%	52.5%	0.28	1	299	300
LDT1		7.9%	0.12	0	45	45
LDT2		20.2%	0.05	0	115	115
MDT		19.4%	0.09	0	111	111
SubTotal		100.0%		1	571	572
LHDT1 (2 axle truck)	5.2%	86.0%	37.04	12	20	32
LHDT2		14.0%	69.03	4	2	5
Subtota;		100.0%		15	22	37
MHDT (3 axle truck)	4.5%	100.0%	86.26	28	4	32
HHDT (4+ axle truck)	10.0%	100.0%	99.00	70	1	71
Total	100.0%			115	598	712

Vehicle Fleet for Gas Compression

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	77.2%	52.5%	0.28	0	100	100
LDT1		7.9%	0.12	0	15	15
LDT2		20.2%	0.05	0	38	38
MDT		19.4%	0.09	0	37	37
SubTotal		100.0%		0	190	190
LHDT1 (2 axle truck)	11.4%	86.0%	37.04	9	15	24
LHDT2		14.0%	69.03	3	1	4
Subtota;		100.0%		12	16	28
MHDT (3 axle truck)	2.6%	100.0%	86.26	6	1	6
HHDT (4+ axle truck)	8.8%	100.0%	99.00	21	0	22
Total	100.0%			39	208	247

Vehicle Fleet for Fueling Station/Convenience Store

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	51.4%	52.5%	0.28	0	125	125
LDT1		7.9%	0.12	0	19	19
LDT2		20.2%	0.05	0	48	48
MDT		19.4%	0.09	0	46	46
SubTotal		100.0%		0	238	239
LHDT1 (2 axle truck)	1.7%	86.0%	37.04	3	4	7
LHDT2		14.0%	69.03	1	0	1
Subtota;		100.0%		3	5	8
MHDT (3 axle truck)	7.8%	100.0%	86.26	31	5	36
HHDT (4+ axle truck)	39.1%	100.0%	99.00	180	2	181
Total	100.0%			215	250	464

Vehicle Summary (High Cube + Light Logistics + Gas Compressor + Fueling Station/Convenience Store)

Vehicle Class	Daily Diesel Trips	Daily Non Diesel Trips	Total Daily Trips
LDA	43	15397	15441
LDT1	3	2329	2332
LDT2	3	5938	5941
MDT	5	5701	5706
LHDT1	421	716	1137
LHDT2	128	57	185
MHDT	1481	236	1717
HHDT	4619	47	4665
Total	6703	30421	37124

Trip Generation from PB 2012 Traffic Study
Vehicle Fleet Mix taken from EMFAC2011 for the SCAQMD in **2017** and the PB 2012 Traffic Study
% Diesel taken from EMAC2011 for the SCAQMD in **2017**

World Logistics Center 2017 Phase 1
Diesel Vehicle Emissions PM2.5

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 24 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions

PM2.5 Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	LDA	15	0.050	42	950	0.59	1.23E+00	2.71E-03	1.42E-05	
	LDT1	15	0.093	3	950	0.59	1.48E-01	3.26E-04	1.72E-06	
	LDT2	15	0.055	3	950	0.59	9.31E-02	2.05E-04	1.08E-06	
	MDT	15	0.056	5	950	0.59	1.64E-01	3.61E-04	1.90E-06	
	LHDT1	15	0.089	398	950	0.59	2.08E+01	4.59E-02	2.41E-04	
	LHDT2	15	0.092	121	950	0.59	6.57E+00	1.45E-02	7.61E-05	
	MHDT	15	0.087	1417	950	0.59	7.25E+01	1.60E-01	8.39E-04	
	HHDT	15	0.090	4347	950	0.59	2.30E+02	5.07E-01	2.67E-03	
				6335			3.32E+02	7.31E-01	3.84E-03	3.84E-03
Travel at Light Logistics	LDA	15	0.050	1	500	0.31	1.30E-02	2.87E-05	1.51E-07	
	LDT1	15	0.093	0	500	0.31	1.57E-03	3.46E-06	1.82E-08	
	LDT2	15	0.055	0	500	0.31	9.86E-04	2.17E-06	1.14E-08	
	MDT	15	0.056	0	500	0.31	1.74E-03	3.83E-06	2.01E-08	
	LHDT1	15	0.089	12	500	0.31	3.25E-01	7.16E-04	3.76E-06	
	LHDT2	15	0.092	4	500	0.31	1.03E-01	2.26E-04	1.19E-06	
	MHDT	15	0.087	28	500	0.31	7.44E-01	1.64E-03	8.61E-06	
	HHDT	15	0.090	70	500	0.31	1.97E+00	4.33E-03	2.28E-05	
				115			3.16E+00	6.95E-03	3.65E-05	3.65E-05
Travel at Gas Compressor	LDA	15	0.050	0	500	0.31	4.34E-03	9.55E-06	5.02E-08	
	LDT1	15	0.093	0	500	0.31	5.23E-04	1.15E-06	6.05E-09	
	LDT2	15	0.055	0	500	0.31	3.28E-04	7.23E-07	3.80E-09	
	MDT	15	0.056	0	500	0.31	5.79E-04	1.27E-06	6.70E-09	
	LHDT1	15	0.089	9	500	0.31	2.47E-01	5.44E-04	2.86E-06	
	LHDT2	15	0.092	3	500	0.31	7.78E-02	1.71E-04	9.01E-07	
	MHDT	15	0.087	6	500	0.31	1.49E-01	3.28E-04	1.72E-06	
	HHDT	15	0.090	21	500	0.31	5.99E-01	1.32E-03	6.94E-06	
							1.08E+00	2.38E-03	1.25E-05	1.25E-05
Travel at Refueling Station	LDA	15	0.050	0	100	0.06	1.09E-03	2.39E-06	1.26E-08	
	LDT1	15	0.093	0	100	0.06	1.31E-04	2.88E-07	1.52E-09	
	LDT2	15	0.055	0	100	0.06	8.22E-05	1.81E-07	9.52E-10	
	MDT	15	0.056	0	100	0.06	1.45E-04	3.19E-07	1.68E-09	
	LHDT1	15	0.089	3	100	0.06	1.38E-02	3.05E-05	1.60E-07	
	LHDT2	15	0.092	1	100	0.06	4.37E-03	9.62E-06	5.06E-08	
	MHDT	15	0.087	31	100	0.06	1.68E-01	3.70E-04	1.95E-06	
	HHDT	15	0.090	180	100	0.06	1.00E+00	2.21E-03	1.16E-05	
				215						1.38E-05
Total - All Buildings	LDA			43			1.25E+00	2.75E-03	1.44E-05	
	LDT1			3			1.50E-01	3.31E-04	1.74E-06	
	LDT2			3			9.45E-02	2.08E-04	1.09E-06	
	MDT			5			1.67E-01	3.67E-04	1.93E-06	
	LHDT1			421			2.14E+01	4.72E-02	2.48E-04	
	LHDT2			128			6.76E+00	1.49E-02	7.82E-05	
	MHDT			1481			7.35E+01	1.62E-01	8.51E-04	
	HHDT			4619			2.34E+02	5.15E-01	2.71E-03	
	Total			6703			3.37E+02	7.43E-01	3.90E-03	3.90E-03

Diesel truck Idling Emissions

PM2.5 Emissions Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Peak Hour Emissions (g/day)	Peak Hour Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	LHDT1	0.369	15	199	1.83E+01	4.04E-02	2.12E-04	
	LHDT2	0.365	15	60	5.51E+00	1.21E-02	6.38E-05	
	MHDT	0.083	15	708	1.47E+01	3.24E-02	1.70E-04	
	HHDT	0.099	15	2174	5.39E+01	1.19E-01	6.23E-04	
				3141	9.24E+01	2.04E-01	1.07E-03	1.07E-03
Idle at Light Logistics	LHDT1	0.369	15	6	5.44E-01	1.20E-03	6.29E-06	
	LHDT2	0.365	15	2	1.63E-01	3.60E-04	1.89E-06	
	MHDT	0.083	15	14	2.87E-01	6.32E-04	3.32E-06	
	HHDT	0.099	15	35	8.73E-01	1.92E-03	1.01E-05	
				57	1.87E+00	4.11E-03	2.16E-05	2.16E-05
Idle at Gas Compressor	LHDT1	0.369	15	4	4.13E-01	9.09E-04	4.78E-06	
	LHDT2	0.365	15	1	1.24E-01	2.73E-04	1.44E-06	
	MHDT	0.083	15	3	5.74E-02	1.27E-04	6.65E-07	
	HHDT	0.099	15	11	2.66E-01	5.86E-04	3.08E-06	
				19	8.60E-01	1.89E-03	9.96E-06	9.96E-06
Idle at Fueling Station	LHDT1	0.369	15	1	1.16E-01	2.55E-04	1.34E-06	
	LHDT2	0.365	15	0	3.48E-02	7.67E-05	4.03E-07	
	MHDT	0.083	15	16	3.24E-01	7.14E-04	3.75E-06	
	HHDT	0.099	15	90	2.22E+00	4.90E-03	2.58E-05	
				107	2.70E+00	5.95E-03	3.12E-05	3.12E-05
TOTAL				3324	9.78E+01	2.16E-01	1.13E-03	1.13E-03

World Logistics Center 2017 Phase 1
Non-Diesel Vehicle Emissions PM2.5

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 24 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions PM2.5 Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	0.022	14874	950	0.59	1.92E+02	4.23E-01	2.23E-03	
	LDT1	15	0.026	2250	950	0.59	3.48E+01	7.66E-02	4.03E-04	
	LDT2	15	0.022	5736	950	0.59	7.49E+01	1.65E-01	8.67E-04	
	MDT	15	0.023	5507	950	0.59	7.38E+01	1.63E-01	8.54E-04	
	LHDT1	15	0.026	677	950	0.59	1.05E+01	2.30E-02	1.21E-04	
	LHDT2	15	0.020	54	950	0.59	6.55E-01	1.44E-03	7.58E-06	
	MHDT	15	0.020	226	950	0.59	2.72E+00	6.00E-03	3.15E-05	
	HHDT	15	0.019	44	950	0.59	4.98E-01	1.10E-03	5.76E-06	
				29367			3.90E+02	8.59E-01	4.52E-03	4.52E-03
Travel at Light Logistics	LDA	15	0.022	299	500	0.31	2.04E+00	4.49E-03	2.36E-05	
	LDT1	15	0.026	45	500	0.31	3.69E-01	8.12E-04	4.27E-06	
	LDT2	15	0.022	115	500	0.31	7.94E-01	1.75E-03	9.19E-06	
	MDT	15	0.023	111	500	0.31	7.81E-01	1.72E-03	9.04E-06	
	LHDT1	15	0.026	20	500	0.31	1.63E-01	3.59E-04	1.89E-06	
	LHDT2	15	0.020	2	500	0.31	1.02E-02	2.25E-05	1.18E-07	
	MHDT	15	0.020	4	500	0.31	2.80E-02	6.16E-05	3.24E-07	
	HHDT	15	0.019	1	500	0.31	4.25E-03	9.36E-06	4.92E-08	
				598			4.19E+00	9.22E-03	4.84E-05	4.84E-05
Travel at Gas Compressor	LDA	15	0.022	100	500	0.31	6.78E-01	1.49E-03	7.85E-06	
	LDT1	15	0.026	15	500	0.31	1.23E-01	2.70E-04	1.42E-06	
	LDT2	15	0.022	38	500	0.31	2.64E-01	5.82E-04	3.06E-06	
	MDT	15	0.023	37	500	0.31	2.60E-01	5.73E-04	3.01E-06	
	LHDT1	15	0.026	15	500	0.31	1.24E-01	2.73E-04	1.43E-06	
	LHDT2	15	0.020	1	500	0.31	7.75E-03	1.71E-05	8.98E-08	
	MHDT	15	0.020	1	500	0.31	5.59E-03	1.23E-05	6.47E-08	
	HHDT	15	0.019	0	500	0.31	1.30E-03	2.85E-06	1.50E-08	
				208			1.46E+00	3.22E-03	1.69E-05	1.69E-05
Travel at Fueling Station	LDA	15	0.022	125	100	0.06	1.70E-01	3.74E-04	1.97E-06	
	LDT1	15	0.026	19	100	0.06	3.07E-02	6.77E-05	3.56E-07	
	LDT2	15	0.022	48	100	0.06	6.62E-02	1.46E-04	7.67E-07	
	MDT	15	0.023	46	100	0.06	6.52E-02	1.44E-04	7.55E-07	
	LHDT1	15	0.026	4	100	0.06	6.95E-03	1.53E-05	8.05E-08	
	LHDT2	15	0.020	0	100	0.06	4.35E-04	9.59E-07	5.04E-09	
	MHDT	15	0.020	5	100	0.06	6.32E-03	1.39E-05	7.31E-08	
	HHDT	15	0.019	2	100	0.06	2.17E-03	4.77E-06	2.51E-08	
				250			3.48E-01	7.66E-04	4.03E-06	4.03E-06
Total - All Buildings	LDA			15397			1.95E+02	4.30E-01	2.26E-03	
	LDT1			2329			3.53E+01	7.78E-02	4.09E-04	
	LDT2			5938			7.61E+01	1.68E-01	8.80E-04	
	MDT			5701			7.49E+01	1.65E-01	8.67E-04	
	LHDT1			716			1.08E+01	2.37E-02	1.24E-04	
	LHDT2			57			6.73E-01	1.48E-03	7.79E-06	
	MHDT			236			2.76E+00	6.08E-03	3.20E-05	
	HHDT			47			5.06E-01	1.11E-03	5.85E-06	
				30421			3.96E+02	8.72E-01	4.58E-03	4.58E-03

Non-Diesel truck Idling Emissions PM2.5 Emissions Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Peak Hour Emissions (g/day)	Peak Hour Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	LHDT1	0.028	15	338	2.41E+00	5.30E-03	2.79E-05	
	LHDT2	0.023	15	27	1.56E-01	3.44E-04	1.81E-06	
	MHDT	0.023	15	113	6.50E-01	1.43E-03	7.52E-06	
	HHDT	0.023	15	22	1.26E-01	2.79E-04	1.46E-06	
				500	3.34E+00	7.36E-03	3.87E-05	3.87E-05
Idle at Light Logistics	LHDT1	0.03	15	10	7.13E-02	1.57E-04	8.25E-07	
	LHDT2	0.02	15	1	4.62E-03	1.02E-05	5.35E-08	
	MHDT	0.02	15	2	1.27E-02	2.79E-05	1.47E-07	
	HHDT	0.02	15	0	2.05E-03	4.52E-06	2.37E-08	
				13	9.07E-02	2.00E-04	1.05E-06	1.05E-06
Idle at Gas Compressor	LHDT1	0.03	15	8	5.42E-02	1.19E-04	6.27E-07	
	LHDT2	0.02	15	1	3.51E-03	7.73E-06	4.06E-08	
	MHDT	0.02	15	0	2.54E-03	5.59E-06	2.94E-08	
	HHDT	0.02	15	0	6.25E-04	1.38E-06	7.23E-09	
				9	6.08E-02	1.34E-04	7.04E-07	7.04E-07
Idle at Fueling Station	LHDT1	0.028	15	2	1.52E-02	3.35E-05	1.76E-07	
	LHDT2	0.023	15	0	9.85E-04	2.17E-06	1.14E-08	
	MHDT	0.023	15	2	1.43E-02	3.16E-05	1.66E-07	
	HHDT	0.023	15	1	5.23E-03	1.15E-05	6.05E-08	
				6	3.57E-02	7.87E-05	4.14E-07	4.14E-07
TOTAL				528	3.53E+00	7.77E-03	4.08E-05	4.08E-05

World Logistics Center **2017** **PM2.5** Based on PB Traffic Results 10/23/2012
Project-ONLY Emissions **Phase 1** Assumes MY2010 for Diesel MHDT and HHDT
Internal Roadway Circulation NoR

Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Entrained Dust (g/sec)	Total Emissions (g/sec)	Weighted Release Height (m)
1	1.56E-03	6.63E-04	5.72E-03	7.95E-03	1.6
2	3.07E-03	1.27E-03	1.11E-02	1.54E-02	1.6
3	3.45E-03	1.45E-03	1.25E-02	1.74E-02	1.6
4	2.50E-04	6.41E-04	1.35E-03	2.25E-03	1.3
5	1.85E-04	4.69E-04	1.00E-03	1.66E-03	1.3
6	1.35E-03	1.03E-03	5.32E-03	7.70E-03	1.5
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0
8	3.99E-04	1.19E-03	2.28E-03	3.87E-03	1.3
11	2.54E-05	6.23E-05	1.28E-04	2.16E-04	1.4
12	3.91E-05	6.16E-05	1.53E-04	2.54E-04	1.5
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0
15	3.53E-04	8.14E-05	1.09E-03	1.53E-03	1.7
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0
18a	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0
21	1.43E-04	2.30E-04	6.95E-04	1.07E-03	1.4
22	1.52E-04	2.44E-04	7.37E-04	1.13E-03	1.4
23	2.70E-06	7.81E-07	6.43E-05	6.78E-05	1.1
24	1.64E-04	4.71E-04	1.06E-03	1.69E-03	1.3
25	3.38E-05	9.07E-05	2.12E-04	3.36E-04	1.3
26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0
27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0
28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0
29	2.00E-05	1.26E-05	7.82E-05	1.11E-04	1.5
30	7.71E-05	4.87E-05	3.02E-04	4.27E-04	1.5
31	3.47E-04	5.73E-04	1.70E-03	2.62E-03	1.4
				6.57E-02	

World Logistics Center 2017
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	20,229,737
LDT1-GAS	3,057,514
LDT2-GAS	7,784,714
MDT-GAS	7,504,449
LHDT1-GAS	1,260,050
LHDT2-GAS	100,636
MHDT-GAS	77,622
HHDT-GAS	19,465
Subtotal	40034188
DSL Vehicle Class	
LDA-DSL	57,723
LDDT1-DSL	3,769
LDT2-DSL	4,125
MDT-DSL	6,429
LHDT1-DSL	741,455
LHDT2-DSL	224,279
MHDT-DSL	487,512
HHDT-DSL	1,897,559
Subtotal	3422851
Grand Total	43457039

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	20229737	57723	20287460	52.49%	99.7%	0.28%
LDT1	Pass Car	3057514	3769	3061283	7.92%	99.9%	0.12%
LDT2	Pass Car	7784714	4125	7788839	20.15%	99.9%	0.05%
MDT	Pass Car	7504449	6429	7510878	19.43%	99.9%	0.09%
Subtotal		38576415	72046	38648461	100.00%	99.8%	0.19%
LHDT1	Light Heavy Truck	1260050	741455	2001505	86.03%	63.0%	37.04%
LHDT2	Light Heavy Truck	100636	224279	324915	13.97%	31.0%	69.03%
Subtotal		1360686	965734	2326420	100.00%		
MHDT	Medium Heavy Truck	77622	487512	565135	100%	13.7%	86.26%
HHDT	Heavy Heavy Truck	19465	1897559	1917024	100%	1.0%	98.98%

World Logistics Center **2017** **PM2.5** **Phase 1**

Project-ONLY Emissions
Internal Roadway Circulation

Project Operations: 24 hours/day

Vehicle FleetTrips - Diesel

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.15%	0.01%	0.01%	0.02%	31.87%	9.64%	86.26%	98.98%

Vehicle Trips

Roadway Segment	Daily Trips Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2_DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)
1	22567	13,803	574	1,932	6,258	327	0.203	21	1	1	2	183	55	1667	6194	8125
2	23230	13,742	1,107	2,002	6,379	614	0.381	21	1	1	2	353	107	1727	6314	8526
3	13738	8,233	588	1,179	3,738	1181	0.734	12	1	1	1	187	57	1017	3700	4977
4	5356	4,741	184	363	68	934	0.580	7	0	1	1	59	18	313	67	466
5	3452	3,057	113	227	55	1060	0.658	5	0	0	1	36	11	196	54	303
6	8298	6,029	325	610	1,334	1163	0.722	9	1	1	1	104	31	526	1320	1993
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0
8	8036	7,200	281	555	0	1143	0.710	11	1	1	1	90	27	479	0	609
11	406	357	14	35	0	1201	0.746	1	0	0	0	4	1	30	0	37
12	615	501	38	76	0	824	0.512	1	0	0	0	12	4	66	0	82
14	0	0	0	0	0	897	0.557	0	0	0	0	0	0	0	0	0
15	1634	443	547	169	475	734	0.456	1	0	0	0	174	53	146	470	844
18	0	0	0	0	0	780	0.485	0	0	0	0	0	0	0	0	0
18a	0	0	0	0	0	648	0.403	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	2838	2,418	53	156	211	664	0.412	4	0	0	0	17	5	135	209	370
22	2838	2,418	53	156	211	704	0.437	4	0	0	0	17	5	135	209	370
23	23	8	7	2	6	448	0.278	0	0	0	0	2	1	2	6	11
24	2520	2,298	29	86	107	1443	0.896	3	0	0	0	9	3	74	106	196
25	2656	2,413	25	88	130	265	0.165	4	0	0	0	8	2	76	129	219
26	0	0	0	0	0	417	0.259	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1459	0.906	0	0	0	0	0	0	0	0	0
29	220	155	4	15	46	564	0.350	0	0	0	0	1	0	13	46	60
30	220	155	4	15	46	2174	1.351	0	0	0	0	1	0	13	46	60
31	2991	2,561	49	169	212	1563	0.971	4	0	0	0	16	5	146	210	381

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.0340	0.0552	0.0365	0.0370	0.0708	0.0755	0.0828	0.0820
2	0.0484	0.0633	0.0502	0.0507	0.0925	0.1023	0.0879	0.0922
3	0.0493	0.0663	0.0512	0.0518	0.0616	0.0663	0.0834	0.0833
4	0.0315	0.0456	0.0331	0.0339	0.0900	0.0998	0.0966	0.1100

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	Total (g/sec)
1	1	1.65E-06	1.75E-07	1.26E-07	2.00E-07	3.05E-05	9.82E-06	3.24E-04	1.19E-03	1.56E-03
2	1	3.08E-06	3.27E-07	2.36E-07	3.74E-07	1.10E-04	3.56E-05	6.31E-04	2.29E-03	3.07E-03
3	1	3.54E-06	3.76E-07	2.72E-07	4.31E-07	1.13E-04	3.63E-05	7.15E-04	2.58E-03	3.45E-03
4	1	1.61E-06	1.71E-07	1.24E-07	1.96E-07	2.79E-05	8.99E-06	1.74E-04	3.71E-05	2.50E-04
5	1	1.18E-06	1.25E-07	9.06E-08	1.43E-07	1.94E-05	6.27E-06	1.24E-04	3.40E-05	1.85E-04
6	1	2.56E-06	2.71E-07	1.96E-07	3.10E-07	6.13E-05	1.98E-05	3.64E-04	9.05E-04	1.35E-03
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	1	3.00E-06	3.19E-07	2.30E-07	3.64E-07	5.21E-05	1.68E-05	3.26E-04	0.00E+00	3.99E-04
11	1	1.56E-07	1.66E-08	1.20E-08	1.90E-08	2.73E-06	8.80E-07	2.16E-05	0.00E+00	2.54E-05
12	1	1.51E-07	1.60E-08	1.15E-08	1.83E-08	5.08E-06	1.64E-06	3.22E-05	0.00E+00	3.91E-05
14	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	1	1.19E-07	1.26E-08	9.10E-09	1.44E-08	6.51E-05	2.10E-05	6.37E-05	2.03E-04	3.53E-04
18	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18a	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1	5.85E-07	6.22E-08	4.49E-08	7.11E-08	5.71E-06	1.84E-06	5.32E-05	8.18E-05	1.43E-04
22	1	6.21E-07	6.59E-08	4.76E-08	7.54E-08	6.05E-06	1.95E-06	5.64E-05	8.67E-05	1.52E-04
23	1	1.31E-09	1.39E-10	1.00E-10	1.59E-10	5.09E-07	1.64E-07	4.60E-07	1.57E-06	2.70E-06
24	1	1.21E-06	1.28E-07	9.28E-08	1.47E-07	6.79E-06	2.19E-06	6.37E-05	9.01E-05	1.64E-04
25	1	2.33E-07	2.48E-08	1.79E-08	2.83E-08	1.07E-06	3.47E-07	1.20E-05	2.01E-05	3.38E-05
26	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	1	3.19E-08	3.38E-09	2.45E-09	3.87E-09	3.66E-07	1.18E-07	4.34E-06	1.51E-05	2.00E-05
30	1	1.23E-07	1.30E-08	9.43E-09	1.49E-08	1.41E-06	4.55E-07	1.67E-05	5.84E-05	7.71E-05
31	1	1.46E-06	1.55E-07	1.12E-07	1.77E-07	1.24E-05	4.01E-06	1.36E-04	1.93E-04	3.47E-04

World Logistics Center **2017** **PM2.5** **Phase 1**

Project-ONLY Emissions
Internal Roadway Circulation

Project Operations: 24 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
52.34%	7.91%	20.14%	19.42%	54.16%	4.33%	13.74%	1.02%

Vehicle Trips

Roadway Segment	Total Daily Trips Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2_GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	22567	13,803	574	1,932	6,258	327	0.203	7225	1092	2780	2680	311	25	265	64	14442
2	23230	13,742	1,107	2,002	6,379	614	0.381	7193	1087	2768	2668	600	48	275	65	14704
3	13738	8,233	588	1,179	3,738	1181	0.734	4309	651	1658	1599	318	25	162	38	8761
4	5356	4,741	184	363	68	934	0.580	2482	375	955	921	100	8	50	1	4890
5	3452	3,057	113	227	55	1060	0.658	1600	242	616	594	61	5	31	1	3149
6	8298	6,029	325	610	1,334	1163	0.722	3156	477	1214	1171	176	14	84	14	6305
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0
8	8036	7,200	281	555	0	1143	0.710	3769	570	1450	1398	152	12	76	0	7427
11	406	357	14	35	0	1201	0.746	187	28	72	69	8	1	5	0	369
12	615	501	38	76	0	824	0.512	262	40	101	97	21	2	10	0	533
14	0	0	0	0	0	897	0.557	0	0	0	0	0	0	0	0	0
15	1634	443	547	169	475	734	0.456	232	35	89	86	296	24	23	5	790
18	0	0	0	0	0	780	0.485	0	0	0	0	0	0	0	0	0
18a	0	0	0	0	0	648	0.403	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	2838	2,418	53	156	211	664	0.412	1266	191	487	470	29	2	21	2	2468
22	2838	2,418	53	156	211	704	0.437	1266	191	487	470	29	2	21	2	2468
23	23	8	7	2	6	448	0.278	4	1	2	2	4	0	0	0	12
24	2520	2,298	29	86	107	1443	0.896	1203	182	463	446	16	1	12	1	2324
25	2656	2,413	25	88	130	265	0.165	1263	191	486	469	14	1	12	1	2437
26	0	0	0	0	0	417	0.259	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1459	0.906	0	0	0	0	0	0	0	0	0
29	220	155	4	15	46	564	0.350	81	12	31	30	2	0	2	0	160
30	220	155	4	15	46	2174	1.351	81	12	31	30	2	0	2	0	160
31	2991	2,561	49	169	212	1563	0.971	1341	203	516	497	27	2	23	2	2610

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	0.0193	0.0209	0.0194	0.0196	0.0196	0.0193	0.0192	0.0186
2	0.0370	0.0383	0.0371	0.0373	0.0367	0.0364	0.0364	0.0362
3	0.0191	0.0383	0.0371	0.0373	0.0189	0.0188	0.0187	0.0184
4	0.0193	0.0207	0.0193	0.0195	0.0365	0.0364	0.0364	0.0362

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	3.28E-04	5.37E-05	1.27E-04	1.24E-04	1.43E-05	1.12E-06	1.20E-05	2.78E-06	6.63E-04
2	1	6.14E-04	1.00E-04	2.37E-04	2.31E-04	5.18E-05	4.07E-06	2.34E-05	5.32E-06	1.27E-03
3	1	7.07E-04	1.16E-04	2.73E-04	2.66E-04	5.29E-05	4.16E-06	2.65E-05	6.00E-06	1.45E-03
4	1	3.22E-04	5.27E-05	1.24E-04	1.21E-04	1.31E-05	1.03E-06	6.44E-06	8.63E-08	6.41E-04
5	1	2.36E-04	3.86E-05	9.11E-05	8.87E-05	9.12E-06	7.17E-07	4.57E-06	7.92E-08	4.69E-04
6	1	5.10E-04	8.35E-05	1.97E-04	1.92E-04	2.88E-05	2.26E-06	1.35E-05	2.11E-06	1.03E-03
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	1	5.99E-04	9.80E-05	2.31E-04	2.25E-04	2.45E-05	1.92E-06	1.21E-05	0.00E+00	1.19E-03
11	1	3.12E-05	5.11E-06	1.21E-05	1.17E-05	1.28E-06	1.01E-07	7.99E-07	0.00E+00	6.23E-05
12	1	3.00E-05	4.92E-06	1.16E-05	1.13E-05	2.38E-06	1.88E-07	1.19E-06	0.00E+00	6.16E-05
14	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	1	2.37E-05	3.87E-06	9.14E-06	8.90E-06	3.06E-05	2.40E-06	2.36E-06	4.74E-07	8.14E-05
18	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18a	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1	1.17E-04	1.91E-05	4.51E-05	4.40E-05	2.68E-06	2.11E-07	1.97E-06	1.90E-07	2.30E-04
22	1	1.24E-04	2.03E-05	4.78E-05	4.66E-05	2.84E-06	2.23E-07	2.09E-06	2.02E-07	2.44E-04
23	1	2.61E-07	4.27E-08	1.01E-07	9.81E-08	2.39E-07	1.88E-08	1.70E-08	3.65E-09	7.81E-07
24	1	2.41E-04	3.95E-05	9.32E-05	9.08E-05	3.19E-06	2.51E-07	2.36E-06	2.10E-07	4.71E-04
25	1	4.65E-05	7.61E-06	1.80E-05	1.75E-05	5.04E-07	3.97E-08	4.43E-07	4.68E-08	9.07E-05
26	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	1	6.36E-06	1.04E-06	2.46E-06	2.39E-06	1.72E-07	1.35E-08	1.61E-07	3.53E-08	1.26E-05
30	1	2.45E-05	4.01E-06	9.47E-06	9.23E-06	6.62E-07	5.21E-08	6.20E-07	1.36E-07	4.87E-05
31	1	2.91E-04	4.77E-05	1.13E-04	1.10E-04	5.83E-06	4.59E-07	5.02E-06	4.50E-07	5.73E-04

World Logistics Center

Entrained Road Dust

Calculation Parameters - Median Vehicle Weight

Vehicle Class	Averaged Weight Tons
Pass, LHDT,MDT	2.13
LHDT	5.63
MHDT	11.75
HHDT	23.25

Calculation Parameters - Silt Loading

	Road Type	Silt Loading (g/m2)
Freeway	F	0.022
Arterial, Major Collector	A	0.035
Minor Collector	M	0.32

Particle Size Multiplier for PM25 = 0.00054 lb/VMT

Roadway Segment	Road Type	Segment Length (m)	Segment Length (mi)	Pass (trips/Day)	Daily Pass VMT	LHDT (trips/day)	Daily LHDT VMT	MHDT (trips/day)	Daily MHDT VMT	HHDT (trips/day)	Daily HHDT VMT	Daily Total VMT	Average Vehicle Wt (tons)	Silt Loading (g/m2)	Emission Factor (lb/VMT)	Entrained Dust (lb/day)	Emissions (g/sec)
1	A	327	0.20	13,803	2804	574	117	1,932	392	6,258	1271	4584	8.90	0.035	0.0002	1.1	5.72E-03
2	A	614	0.38	13,742	5242	1,107	422	2,002	764	6,379	2433	8860	8.93	0.035	0.0002	2.1	1.11E-02
3	A	1181	0.73	8,233	6040	588	431	1,179	865	3,738	2742	10079	8.85	0.035	0.0002	2.4	1.25E-02
4	A	934	0.58	4,741	2751	184	107	363	211	68	39	3108	3.17	0.035	0.0001	0.3	1.35E-03
5	A	1060	0.66	3,057	2013	113	74	227	149	55	36	2273	3.21	0.035	0.0001	0.2	1.00E-03
6	A	1163	0.72	6,029	4356	325	235	610	441	1,334	964	5995	6.37	0.035	0.0002	1.0	5.32E-03
7	M	535	0.33	0	0	0	0	0	0	0	0	0	0.00	0.32	0.0000	0.0	0.00E+00
8	A	1143	0.71	7,200	5112	281	200	555	394	0	0	5706	2.92	0.035	0.0001	0.4	2.28E-03
11	A	1201	0.75	357	266	14	10	35	26	0	0	303	3.08	0.035	0.0001	0.0	1.28E-04
12	A	824	0.51	501	256	38	19	76	39	0	0	315	3.54	0.035	0.0001	0.0	1.53E-04
14	A	897	0.56	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
15	A	734	0.46	443	202	547	249	169	77	475	217	745	10.44	0.035	0.0003	0.2	1.09E-03
18	A	780	0.48	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
18a	A	648	0.40	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
19	A	1347	0.84	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
20	A	1067	0.66	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
21	A	664	0.41	2,418	997	53	22	156	64	211	87	1171	4.29	0.035	0.0001	0.1	6.95E-04
22	A	704	0.44	2,418	1057	53	23	156	68	211	92	1241	4.29	0.035	0.0001	0.1	7.37E-04
23	M	448	0.28	8	2	7	2	2	1	6	2	6	9.54	0.32	0.0019	0.0	6.43E-05
24	A	1443	0.90	2,298	2060	29	26	86	77	107	96	2259	3.40	0.035	0.0001	0.2	1.06E-03
25	A	265	0.16	2,413	397	25	4	88	14	130	21	437	3.52	0.035	0.0001	0.0	2.12E-04
26	M	417	0.26	0	0	0	0	0	0	0	0	0	0.00	0.32	0.0000	0.0	0.00E+00
27	M	347	0.22	0	0	0	0	0	0	0	0	0	0.00	0.32	0.0000	0.0	0.00E+00
28	A	1459	0.91	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
29	A	564	0.35	155	54	4	1	15	5	46	16	77	7.27	0.035	0.0002	0.0	7.82E-05
30	A	2174	1.35	155	209	4	5	15	20	46	62	297	7.27	0.035	0.0002	0.1	3.02E-04
31	A	1563	0.97	2,561	2487	49	48	169	164	212	206	2904	4.23	0.035	0.0001	0.3	1.70E-03

World Logistics Center **2017** **PM2.5** Based on PB Traffic Results 10/23/2012
NONProject Emissions **Phase 1** No Refrigeration
Internal Roadway Circulation

Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Entrained Dust (g/sec)	Total Emissions (g/sec)	Weighted Release Height (m)
1	1.87E-05	3.20E-04	4.41E-04	7.80E-04	1.07E+00
2	2.20E-05	2.28E-04	3.36E-04	5.85E-04	1.11E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E+00
4	2.00E-07	7.67E-08	4.54E-07	7.31E-07	1.82E+00
5	1.82E-05	5.67E-04	7.53E-04	1.34E-03	1.04E+00
6	3.96E-05	4.43E-04	6.48E-04	1.13E-03	1.11E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E+00
8	3.14E-05	4.21E-04	5.84E-04	1.04E-03	1.09E+00
11	3.33E-05	5.62E-04	7.67E-04	1.36E-03	1.00E+00
12	1.05E-04	9.22E-04	1.40E-03	2.43E-03	4.00E+00
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E+00
15	3.51E-05	6.77E-04	9.18E-04	1.63E-03	1.06E+00
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E+00
18a	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E+00
21	3.73E-05	6.22E-04	8.81E-04	1.54E-03	1.07E+00
22	2.57E-05	2.31E-04	3.49E-04	6.06E-04	1.13E+00
23	1.59E-06	4.34E-06	7.22E-05	7.82E-05	1.06E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E+00
25	2.74E-07	8.09E-05	1.04E-04	1.85E-04	1.00E+00
26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E+00
27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E+00
28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E+00
29	2.42E-04	1.14E-03	2.03E-03	3.42E-03	4.00E+00
30	9.34E-04	4.39E-03	7.84E-03	1.32E-02	1.21E+00
31	1.47E-04	4.14E-03	5.60E-03	9.89E-03	1.04E+00
				3.92E-02	

World Logistics Center 2017
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	20,229,737
LDT1-GAS	3,057,514
LDT2-GAS	7,784,714
MDT-GAS	7,504,449
LHDT1-GAS	1,260,050
LHDT2-GAS	100,636
MHDT-GAS	77,622
HHDT-GAS	19,465
Subtotal	40034188
DSL Vehicle Class	
LDA-DSL	57,723
LDDT1-DSL	3,769
LDT2-DSL	4,125
MDT-DSL	6,429
LHDT1-DSL	741,455
LHDT2-DSL	224,279
MHDT-DSL	487,512
HHDT-DSL	1,897,559
Subtotal	3422851
Grand Total	43457039

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	20229737	57723	20287460	52.49%	99.7%	0.28%
LDT1	Pass Car	3057514	3769	3061283	7.92%	99.9%	0.12%
LDT2	Pass Car	7784714	4125	7788839	20.15%	99.9%	0.05%
MDT	Pass Car	7504449	6429	7510878	19.43%	99.9%	0.09%
Subtotal		38576415	72046	38648461	100.00%	99.8%	0.19%
LHDT1	Light Heavy Truck	1260050	741455	2001505	86.03%	63.0%	37.04%
LHDT2	Light Heavy Truck	100636	224279	324915	13.97%	31.0%	69.03%
Subtotal		1360686	965734	2326420	100.00%		
MHDT	Medium Heavy Truck	77622	487512	565135	100%	13.7%	86.26%
HHDT	Heavy Heavy Truck	19465	1897559	1917024	100%	1.0%	98.98%

World Logistics Center **2017** **PM2.5** **Phase 1**

NON Project- Emissions
Internal Roadway Circulation

Project Operations: 24 hours/day

Vehicle FleetTrips - Diesel

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.15%	0.01%	0.01%	0.02%	31.87%	9.64%	86.26%	98.98%

Vehicle Trips

Roadway Segment	Daily Trips Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2_DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)
1	7055	6,984	0	55	16	327	0.203	10	1	1	1	0	0	47	16	76
2	2693	2,628	25	20	20	614	0.381	4	0	0	0	8	2	17	20	52
3	0	0	0	0	0	1181	0.734	0	0	0	0	0	0	0	0	0
4	1	0	1	0	0	934	0.580	0	0	0	0	0	0	0	0	0
5	3836	3,801	21	14	0	1060	0.658	6	0	0	1	7	2	12	0	28
6	2761	2,699	24	18	20	1163	0.722	4	0	0	0	8	2	16	20	50
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0
8	2665	2,611	28	26	0	1143	0.710	4	0	0	0	9	3	22	0	39
11	3375	3,319	31	25	0	1201	0.746	5	0	0	1	10	3	22	0	41
12	8182	7,842	239	31	70	824	0.512	12	1	1	1	76	23	27	69	210
14	0	0	0	0	0	897	0.557	0	0	0	0	0	0	0	0	0
15	6636	6,578	0	53	5	734	0.456	10	1	1	1	0	0	46	5	63
18	0	0	0	0	0	780	0.485	0	0	0	0	0	0	0	0	0
18a	0	0	0	0	0	648	0.403	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	6758	6,654	42	18	44	664	0.412	10	1	1	1	13	4	16	44	89
22	2391	2,329	19	20	23	704	0.437	3	0	0	0	6	2	17	23	52
23	74	69	0	1	4	448	0.278	0	0	0	0	0	0	1	4	5
24	0	0	0	0	0	1443	0.896	0	0	0	0	0	0	0	0	0
25	2177	2,177	0	0	0	265	0.165	3	0	0	0	0	0	0	0	4
26	0	0	0	0	0	417	0.259	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1459	0.906	0	0	0	0	0	0	0	0	0
29	15106	13,971	759	37	339	564	0.350	21	1	1	2	242	73	32	336	709
30	15106	13,971	759	37	339	2174	1.351	21	1	1	2	242	73	32	336	709
31	19054	18,786	213	17	38	1563	0.971	28	2	2	3	68	21	15	38	176

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.0340	0.0552	0.0365	0.0370	0.0708	0.0755	0.1256	0.0958
2	0.0484	0.0633	0.0502	0.0507	0.0925	0.1023	0.1852	0.1385
3	0.0493	0.0663	0.0512	0.0518	0.0616	0.0663	0.1198	0.0945
4	0.0315	0.0456	0.0331	0.0339	0.0900	0.0998	0.2038	0.1578

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	Total (g/sec)
1	1	8.33E-07	8.84E-08	6.39E-08	1.01E-07	0.00E+00	0.00E+00	1.40E-05	3.57E-06	1.87E-05
2	1	5.88E-07	6.25E-08	4.51E-08	7.14E-08	2.49E-06	8.03E-07	9.56E-06	8.38E-06	2.20E-05
3	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	4.89E-08	0.00E+00	0.00E+00	2.00E-07
5	1	1.47E-06	1.56E-07	1.13E-07	1.78E-07	3.61E-06	1.16E-06	1.16E-05	0.00E+00	1.82E-05
6	1	1.14E-06	1.22E-07	8.78E-08	1.39E-07	4.53E-06	1.46E-06	1.63E-05	1.59E-05	3.96E-05
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	1	1.09E-06	1.16E-07	8.35E-08	1.32E-07	5.19E-06	1.67E-06	2.31E-05	0.00E+00	3.14E-05
11	1	1.45E-06	1.54E-07	1.12E-07	1.76E-07	6.04E-06	1.95E-06	2.34E-05	0.00E+00	3.33E-05
12	1	2.36E-06	2.50E-07	1.81E-07	2.86E-07	3.20E-05	1.03E-05	1.99E-05	3.93E-05	1.05E-04
14	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	1	1.76E-06	1.87E-07	1.35E-07	2.14E-07	0.00E+00	0.00E+00	3.03E-05	2.50E-06	3.51E-05
18	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18a	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1	1.61E-06	1.71E-07	1.24E-07	1.96E-07	4.52E-06	1.46E-06	9.31E-06	1.99E-05	3.73E-05
22	1	5.98E-07	6.35E-08	4.59E-08	7.26E-08	2.17E-06	7.00E-07	1.10E-05	1.10E-05	2.57E-05
23	1	1.13E-08	1.20E-09	8.65E-10	1.37E-09	0.00E+00	0.00E+00	3.49E-07	1.22E-06	1.59E-06
24	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	1	2.10E-07	2.23E-08	1.61E-08	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07
26	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	1	2.87E-06	3.05E-07	2.20E-07	3.49E-07	6.95E-05	2.24E-05	1.63E-05	1.30E-04	2.42E-04
30	1	1.11E-05	1.18E-06	8.50E-07	1.34E-06	2.68E-04	8.63E-05	6.26E-05	5.03E-04	9.34E-04
31	1	1.07E-05	1.14E-06	8.21E-07	1.30E-06	5.40E-05	1.74E-05	2.07E-05	4.05E-05	1.47E-04

World Logistics Center **2017** **PM2.5** **Phase 1**

NON Project Emissions
Internal Roadway Circulation

Project Operations: 24 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
52.34%	7.91%	20.14%	19.42%	54.16%	4.33%	13.74%	1.02%

Vehicle Trips

Roadway Segment	Total Daily Trips Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2_GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	7055	6,984	0	55	16	327	0.203	3656	553	1407	1356	0	0	8	0	6979
2	2693	2,628	25	20	20	614	0.381	1376	208	529	510	14	1	3	0	2641
3	0	0	0	0	0	1181	0.734	0	0	0	0	0	0	0	0	0
4	1	0	1	0	0	934	0.580	0	0	0	0	1	0	0	0	1
5	3836	3,801	21	14	0	1060	0.658	1990	301	766	738	11	1	2	0	3808
6	2761	2,699	24	18	20	1163	0.722	1413	214	544	524	13	1	2	0	2711
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0
8	2665	2,611	28	26	0	1143	0.710	1367	207	526	507	15	1	4	0	2626
11	3375	3,319	31	25	0	1201	0.746	1737	263	669	644	17	1	3	0	3334
12	8182	7,842	239	31	70	824	0.512	4105	620	1580	1523	129	10	4	1	7972
14	0	0	0	0	0	897	0.557	0	0	0	0	0	0	0	0	0
15	6636	6,578	0	53	5	734	0.456	3443	520	1325	1277	0	0	7	0	6573
18	0	0	0	0	0	780	0.485	0	0	0	0	0	0	0	0	0
18a	0	0	0	0	0	648	0.403	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	6758	6,654	42	18	44	664	0.412	3483	526	1340	1292	23	2	2	0	6669
22	2391	2,329	19	20	23	704	0.437	1219	184	469	452	10	1	3	0	2339
23	74	69	0	1	4	448	0.278	36	5	14	13	0	0	0	0	69
24	0	0	0	0	0	1443	0.896	0	0	0	0	0	0	0	0	0
25	2177	2,177	0	0	0	265	0.165	1140	172	438	423	0	0	0	0	2173
26	0	0	0	0	0	417	0.259	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1459	0.906	0	0	0	0	0	0	0	0	0
29	15106	13,971	759	37	339	564	0.350	7313	1105	2814	2713	411	33	5	3	14397
30	15106	13,971	759	37	339	2174	1.351	7313	1105	2814	2713	411	33	5	3	14397
31	19054	18,786	213	17	38	1563	0.971	9833	1486	3784	3648	115	9	2	0	18878

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1 Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2 Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3 Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4 Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	0.0193	0.0209	0.0194	0.0196	0.0196	0.0193	0.0192	0.0186
2	0.0370	0.0383	0.0371	0.0373	0.0367	0.0364	0.0364	0.0362
3	0.0191	0.0383	0.0371	0.0373	0.0189	0.0188	0.0187	0.0184
4	0.0193	0.0207	0.0193	0.0195	0.0365	0.0364	0.0364	0.0362

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	1.66E-04	2.72E-05	6.42E-05	6.25E-05	0.00E+00	0.00E+00	3.42E-07	7.11E-09	3.20E-04
2	1	1.17E-04	1.92E-05	4.54E-05	4.42E-05	1.17E-06	9.19E-08	2.33E-07	1.67E-08	2.28E-04
3	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-08	5.59E-09	0.00E+00	0.00E+00	7.67E-08
5	1	2.93E-04	4.80E-05	1.13E-04	1.10E-04	1.70E-06	1.33E-07	2.82E-07	0.00E+00	5.67E-04
6	1	2.28E-04	3.74E-05	8.82E-05	8.60E-05	2.13E-06	1.67E-07	3.98E-07	3.16E-08	4.43E-04
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	1	2.17E-04	3.55E-05	8.39E-05	8.17E-05	2.44E-06	1.92E-07	5.65E-07	0.00E+00	4.21E-04
11	1	2.90E-04	4.75E-05	1.12E-04	1.09E-04	2.84E-06	2.23E-07	5.70E-07	0.00E+00	5.62E-04
12	1	4.70E-04	7.69E-05	1.82E-04	1.77E-04	1.50E-05	1.18E-06	4.85E-07	7.84E-08	9.22E-04
14	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	1	3.51E-04	5.75E-05	1.36E-04	1.32E-04	0.00E+00	0.00E+00	7.39E-07	4.99E-09	6.77E-04
18	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18a	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1	3.21E-04	5.26E-05	1.24E-04	1.21E-04	2.12E-06	1.67E-07	2.27E-07	3.97E-08	6.22E-04
22	1	1.19E-04	1.95E-05	4.61E-05	4.49E-05	1.02E-06	8.01E-08	2.68E-07	2.20E-08	2.31E-04
23	1	2.25E-06	3.68E-07	8.69E-07	8.46E-07	0.00E+00	0.00E+00	8.51E-09	2.44E-09	4.34E-06
24	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	1	4.20E-05	6.87E-06	1.62E-05	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05
26	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	1	5.73E-04	9.38E-05	2.21E-04	2.16E-04	3.26E-05	2.56E-06	3.96E-07	2.60E-07	1.14E-03
30	1	2.21E-03	3.62E-04	8.54E-04	8.32E-04	1.26E-04	9.88E-06	1.53E-06	1.00E-06	4.39E-03
31	1	2.14E-03	3.50E-04	8.25E-04	8.04E-04	2.54E-05	1.99E-06	5.05E-07	8.07E-08	4.14E-03

World Logistics Center

Entrained Road Dust

Calculation Parameters - Median Vehicle Weight

Vehicle Class	Averaged Weight Tons
Pass, LHDT,MDT	2.13
LHDT	5.63
MHDT	11.75
HHDT	23.25

Calculation Parameters - Silt Loading

	Road Type	Silt Loading (g/m2)
Freeway	F	0.022
Arterial, Major Collector	A	0.035
Minor Collector	M	0.32

Particle Size Multiplier for PM25 = 0.00054 lb/VMT

Roadway Segment	Road Type	Segment Length (m)	Segment Length (mi)	Pass (trips/Day)	Daily Pass VMT	LHDT (trips/day)	Daily LHDT VMT	MHDT (trips/day)	Daily MHDT VMT	HHDT (trips/day)	Daily HHDT VMT	Daily Total VMT	Average Vehicle Wt (tons)	Silt Loading (g/m2)	Emission Factor (lb/VMT)	Entrained Dust (lb/day)	Emissions (g/sec)
1	A	327	0.20	6,984	1419	0	0	55	11	16	3	1433	2.25	0.035	0.0001	0.1	4.41E-04
2	A	614	0.38	2,628	1002	25	10	20	8	20	8	1027	2.39	0.035	0.0001	0.1	3.36E-04
3	A	1181	0.73	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
4	A	934	0.58	0	0	1	1	0	0	0	0	1	5.63	0.035	0.0001	0.0	4.54E-07
5	A	1060	0.66	3,801	2503	21	14	14	9	0	0	2526	2.18	0.035	0.0001	0.1	7.53E-04
6	A	1163	0.72	2,699	1950	24	17	18	13	20	14	1995	2.38	0.035	0.0001	0.1	6.48E-04
7	M	535	0.33	0	0	0	0	0	0	0	0	0	0.00	0.32	0.0000	0.0	0.00E+00
8	A	1143	0.71	2,611	1854	28	20	26	18	0	0	1892	2.26	0.035	0.0001	0.1	5.84E-04
11	A	1201	0.75	3,319	2476	31	23	25	19	0	0	2518	2.23	0.035	0.0001	0.1	7.67E-04
12	A	824	0.51	7,842	4014	239	122	31	16	70	36	4188	2.45	0.035	0.0001	0.3	1.40E-03
14	A	897	0.56	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
15	A	734	0.46	6,578	2999	0	0	53	24	5	2	3026	2.22	0.035	0.0001	0.2	9.18E-04
18	A	780	0.48	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
18a	A	648	0.40	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
19	A	1347	0.84	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
20	A	1067	0.66	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
21	A	664	0.41	6,654	2745	42	17	18	7	44	18	2788	2.31	0.035	0.0001	0.2	8.81E-04
22	A	704	0.44	2,329	1019	19	8	20	9	23	10	1046	2.44	0.035	0.0001	0.1	3.49E-04
23	M	448	0.28	69	19	0	0	1	0	4	1	21	3.40	0.32	0.0007	0.0	7.22E-05
24	A	1443	0.90	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
25	A	265	0.16	2,177	358	0	0	0	0	0	0	358	2.13	0.035	0.0001	0.0	1.04E-04
26	M	417	0.26	0	0	0	0	0	0	0	0	0	0.00	0.32	0.0000	0.0	0.00E+00
27	M	347	0.22	0	0	0	0	0	0	0	0	0	0.00	0.32	0.0000	0.0	0.00E+00
28	A	1459	0.91	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
29	A	564	0.35	13,971	4895	759	266	37	13	339	119	5293	2.80	0.035	0.0001	0.4	2.03E-03
30	A	2174	1.35	13,971	18868	759	1025	37	50	339	458	20401	2.80	0.035	0.0001	1.5	7.84E-03
31	A	1563	0.97	18,786	18240	213	207	17	17	38	37	18501	2.22	0.035	0.0001	1.1	5.60E-03

World Logistics Center **2022** **Phase 1** Assumes MY2010 for Diesel MHDT and HHDT
CO Emissions

Emission Assumptions - Peak PM Hour

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for CO emissions
c) Emissions calculated for 2022

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr):	24
Facility operations for All Others (hr):	24

World Logistics Center

2022 **Phase 1**

Total Peak Hour Vehicle Running Exhaust Emissions **Pollutant** **CO**

Travel to Building	AERMOD Source ID	Diesel Vehicles (g/sec)	Non-Diesel Vehicles (g/sec)	Total (g/sec)
High Cube	Phase 1	1.91E-01	4.44E-01	6.35E-01
Light Logistics	Phase 1	1.54E-03	6.45E-03	7.99E-03
Gas Compressor	Phase 1	4.76E-04	2.43E-03	2.90E-03
Fueling Station	Phase 1	5.12E-04	5.51E-04	1.06E-03
Total		1.93E-01	4.54E-01	6.47E-01

Total Peak Hour Vehicle Idling Emission Sources **Pollutant** **CO**

Building	AERMOD Source IDs	Diesel Vehicles Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Total Emissions (g/sec)
High Cube	Phase 1	9.67E-01	1.95E-01	1.16E+00
Light Logistics	Phase 1	1.43E-02	3.23E-03	1.75E-02
GasCompressor	Phase 1	3.98E-03	1.38E-03	5.36E-03
Fueling Station	Phase 1	2.49E-02	2.92E-03	2.78E-02
Total		1.01E+00	2.02E-01	1.21E+00

Total Peak Hour Onsite Emission

Runing Exhaust	6.47E-01	
Idling Emissions	1.21E+00	
Total	1.86E+00	g/sec
Size of Area Source	4600443	m2
Area Emission Rate	**4.04E-07**	**g/m2-sec**
Weighted Emission Ht (m)	2.94E+00	

World Logistics Center **2022** **Phase 1**

Vehicle Fleet Mix

	Building Size (sq-ft)	
High Cube Warehouse	21250000	
Light Logistics	200000	
Compression Station	30825	
Fueling Station/Convenience Store	3000	6 pumps
	21,483,825	

Trip Generation

	trips/pk hr (Non-PCE)	Source
High Cube Warehouse	2550	<---- PB 2012 (100512)
Light Logistics	64	
Compression Station	23	
Fueling Station/Convenience Store	36	
Total	2673	

Vehicle Fleet for High Cube Warehouse

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	64.3%	51.92%	0.28%	2	849	851
LDT1		7.84%	0.12%	0	128	129
LDT2		20.47%	0.05%	0	335	336
MDT		19.78%	0.08%	0	324	324
SubTotal		100.0%		3	1637	1640
LHDT1 (2 axle truck)	6.1%	86.25%	36.99%	50	85	134
LHDT2		13.75%	68.89%	15	7	21
Subtota;		100.0%		64	91	156
MHDT (3 axle truck)	8.1%	100.0%	85.53%	177	30	207
HHDT (4+ axle truck)	21.5%	100.0%	99.01%	543	5	548
Total	100.0%			787	1763	2550

Vehicle Fleet for Light Logistics

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	76.6%	51.92%	0.28%	0	25	25
LDT1		7.84%	0.12%	0	4	4
LDT2		20.47%	0.05%	0	10	10
MDT		19.78%	0.08%	0	10	10
SubTotal		100.0%		0	49	49
LHDT1 (2 axle truck)	6.3%	86.25%	36.99%	1	2	3
LHDT2		13.75%	68.89%	0	0	1
Subtota;		100.0%		2	2	4
MHDT (3 axle truck)	4.7%	100.0%	85.53%	3	0	3
HHDT (4+ axle truck)	12.4%	100.0%	99.01%	8	0	8
Total	100.0%			12	52	64

Vehicle Fleet for Gas Compression

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	75.1%	51.92%	0.28%	0	9	9
LDT1		7.84%	0.12%	0	1	1
LDT2		20.47%	0.05%	0	4	4
MDT		19.78%	0.08%	0	3	3
SubTotal		100.0%		0	18	18
LHDT1 (2 axle truck)	12.5%	86.25%	36.99%	1	2	3
LHDT2		13.75%	68.89%	0	0	0
Subtota;		100.0%		1	2	3
MHDT (3 axle truck)	4.1%	100.0%	85.53%	1	0	1
HHDT (4+ axle truck)	8.3%	100.0%	99.01%	2	0	2
Total	100.0%			4	19	23

Vehicle Fleet for Fueling Station/Convenience Store

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	45.7%	51.92%	0.28%	0	9	9
LDT1		7.84%	0.12%	0	1	1
LDT2		20.47%	0.05%	0	3	3
MDT		19.78%	0.08%	0	3	3
SubTotal		100.0%		0	16	16
LHDT1 (2 axle truck)	2.2%	86.25%	36.99%	0	0	1
LHDT2		13.75%	68.89%	0	0	0
Subtota;		100.0%		0	0	1
MHDT (3 axle truck)	8.7%	100.0%	85.53%	3	0	3
HHDT (4+ axle truck)	43.4%	100.0%	99.01%	15	0	16
Total	100.0%			19	17	36

Vehicle Summary (High Cube + Light Logistics + Gas Compressor + Fueling Station/Convenience Store)

Vehicle Class	Pk Hr Diesel Trips	Pk Hr Non Diesel Trips	Total Pk Hr Trips
LDA	2	892	895
LDT1	0	135	135
LDT2	0	352	353
MDT	0	340	341
LHDT1	52	89	141
LHDT2	15	7	22
MHDT	183	31	214
HHDT	568	6	574
Total	821	1852	2674

Trip Generation from PB 2012 Traffic Study
Vehicle Fleet Mix taken from EMFAC2011 for the SCAQMD in **2022** and the PB 2012 Traffic Study
% Diesel taken from EMAC2011 for the SCAQMD in **2022**

World Logistics Center 2022 Phase 1
Diesel Vehicle Emissions CO

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions CO Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/hr)	Pk Hr Emissions (lbs/hr)	Pk Hr Average Emissions (g/sec)	Total Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	LDA	15	0.199	2	950	0.59	2.79E-01	6.15E-04	7.75E-05	
	LDT1	15	0.312	0	950	0.59	2.94E-02	6.47E-05	8.16E-06	
	LDT2	15	0.237	0	950	0.59	2.30E-02	5.07E-05	6.39E-06	
	MDT	15	0.190	0	950	0.59	3.06E-02	6.74E-05	8.50E-06	
	LHDT1	15	1.288	50	950	0.59	3.77E+01	8.31E-02	1.05E-02	
	LHDT2	15	1.269	15	950	0.59	1.10E+01	2.43E-02	3.06E-03	
	MHDT	15	0.660	177	950	0.59	6.88E+01	1.52E-01	1.91E-02	
	HHDT	15	1.775	543	950	0.59	5.69E+02	1.25E+00	1.58E-01	
				787			6.87E+02	1.51E+00	1.91E-01	1.91E-01
Travel at Light Logistics	LDA	15	0.199	0	500	0.31	4.39E-03	9.67E-06	1.22E-06	
	LDT1	15	0.312	0	500	0.31	4.62E-04	1.02E-06	1.28E-07	
	LDT2	15	0.237	0	500	0.31	3.62E-04	7.97E-07	1.01E-07	
	MDT	15	0.190	0	500	0.31	4.81E-04	1.06E-06	1.34E-07	
	LHDT1	15	1.288	1	500	0.31	5.15E-01	1.13E-03	1.43E-04	
	LHDT2	15	1.269	0	500	0.31	1.51E-01	3.32E-04	4.18E-05	
	MHDT	15	0.660	3	500	0.31	5.27E-01	1.16E-03	1.46E-04	
	HHDT	15	1.775	8	500	0.31	4.33E+00	9.54E-03	1.20E-03	
				12			5.53E+00	1.22E-02	1.54E-03	1.54E-03
Travel at Gas Compressor	LDA	15	0.199	0	500	0.31	1.58E-03	3.47E-06	4.38E-07	
	LDT1	15	0.312	0	500	0.31	1.66E-04	3.65E-07	4.61E-08	
	LDT2	15	0.237	0	500	0.31	1.30E-04	2.86E-07	3.61E-08	
	MDT	15	0.190	0	500	0.31	1.73E-04	3.81E-07	4.80E-08	
	LHDT1	15	1.288	1	500	0.31	3.74E-01	8.23E-04	1.04E-04	
	LHDT2	15	1.269	0	500	0.31	1.09E-01	2.41E-04	3.04E-05	
	MHDT	15	0.660	1	500	0.31	1.68E-01	3.71E-04	4.68E-05	
	HHDT	15	1.775	2	500	0.31	1.06E+00	2.34E-03	2.95E-04	
							1.71E+00	3.78E-03	4.76E-04	4.76E-04
Travel at Refueling Station	LDA	15	0.199	0	100	0.06	2.95E-04	6.49E-07	8.18E-08	
	LDT1	15	0.312	0	100	0.06	3.10E-05	6.83E-08	8.61E-09	
	LDT2	15	0.237	0	100	0.06	2.43E-05	5.35E-08	6.75E-09	
	MDT	15	0.190	0	100	0.06	3.23E-05	7.12E-08	8.98E-09	
	LHDT1	15	1.288	0	100	0.06	2.02E-02	4.45E-05	5.61E-06	
	LHDT2	15	1.269	0	100	0.06	5.91E-03	1.30E-05	1.64E-06	
	MHDT	15	0.660	3	100	0.06	1.10E-01	2.42E-04	3.05E-05	
	HHDT	15	1.775	15	100	0.06	1.71E+00	3.76E-03	4.74E-04	
				19			1.84E+00	4.06E-03	5.12E-04	5.12E-04
Total - All Buildings	LDA			2			2.85E-01	6.28E-04	7.92E-05	
	LDT1			0			3.00E-02	6.61E-05	8.34E-06	
	LDT2			0			2.35E-02	5.18E-05	6.53E-06	
	MDT			0			3.13E-02	6.89E-05	8.69E-06	
	LHDT1			52			3.86E+01	8.51E-02	1.07E-02	
	LHDT2			15			1.13E+01	2.49E-02	3.14E-03	
	MHDT			183			6.96E+01	1.53E-01	1.93E-02	
	HHDT			568			5.76E+02	1.27E+00	1.60E-01	
	Total			821			6.96E+02	1.53E+00	1.93E-01	1.93E-01

Diesel truck Idling Emissions **CO Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	**LHDT1**	11.057	15	25	6.86E+01	1.51E-01	1.90E-02	
	LHDT2	10.890	15	7	2.01E+01	4.42E-02	5.57E-03	
	MHDT	25.423	15	88	5.61E+02	1.24E+00	1.56E-01	
	HHDT	41.724	15	271	2.83E+03	6.24E+00	7.86E-01	
				392	3.48E+03	7.67E+00	9.67E-01	9.67E-01
Idle at Light Logistics	**LHDT1**	11.057	15	1	1.78E+00	3.92E-03	4.94E-04	
	LHDT2	10.890	15	0	5.20E-01	1.15E-03	1.44E-04	
	MHDT	25.423	15	1	8.18E+00	1.80E-02	2.27E-03	
	HHDT	41.724	15	4	4.10E+01	9.03E-02	1.14E-02	
				6	5.15E+01	1.13E-01	1.43E-02	1.43E-02
Idle at Gas Compressor	**LHDT1**	11.057	15	0	1.29E+00	2.84E-03	3.59E-04	
	LHDT2	10.890	15	0	3.78E-01	8.32E-04	1.05E-04	
	MHDT	25.423	15	0	2.61E+00	5.75E-03	7.25E-04	
	HHDT	41.724	15	1	1.00E+01	2.21E-02	2.79E-03	
				2	1.43E+01	3.15E-02	3.98E-03	3.98E-03
Idle at Fueling Station	**LHDT1**	11.057	15	0	3.49E-01	7.69E-04	9.70E-05	
	LHDT2	10.890	15	0	1.02E-01	2.25E-04	2.84E-05	
	MHDT	25.423	15	1	8.51E+00	1.88E-02	2.36E-03	
	HHDT	41.724	15	8	8.07E+01	1.78E-01	2.24E-02	
				9	8.96E+01	1.97E-01	2.49E-02	2.49E-02
TOTAL				409	3.64E+03	8.01E+00	1.01E+00	1.01E+00

World Logistics Center 2022 Phase 1
Non-Diesel Vehicle Emissions CO

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions CO Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/day)	Pk Hr Emissions (lbs/day)	Pk Hr Emissions (g/sec)	Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	0.970	849	950	0.59	4.86E+02	1.07E+00	1.35E-01	
	LDT1	15	2.221	128	950	0.59	1.68E+02	3.71E-01	4.68E-02	
	LDT2	15	1.268	335	950	0.59	2.51E+02	5.53E-01	6.97E-02	
	MDT	15	1.937	324	950	0.59	3.70E+02	8.16E-01	1.03E-01	
	LHDT1	15	2.221	85	950	0.59	1.11E+02	2.44E-01	3.08E-02	
	LHDT2	15	0.664	7	950	0.59	2.61E+00	5.74E-03	7.24E-04	
	MHDT	15	2.205	30	950	0.59	3.89E+01	8.57E-02	1.08E-02	
	HHDT	15	53.383	5	950	0.59	1.71E+02	3.77E-01	4.75E-02	
				1763			1.60E+03	3.52E+00	4.44E-01	4.44E-01
Travel at Light Logistics	LDA	15	0.970	25	500	0.31	7.65E+00	1.69E-02	2.13E-03	
	LDT1	15	2.221	4	500	0.31	2.65E+00	5.83E-03	7.36E-04	
	LDT2	15	1.268	10	500	0.31	3.95E+00	8.70E-03	1.10E-03	
	MDT	15	1.937	10	500	0.31	5.83E+00	1.28E-02	1.62E-03	
	LHDT1	15	2.221	2	500	0.31	1.51E+00	3.33E-03	4.20E-04	
	LHDT2	15	0.664	0	500	0.31	3.56E-02	7.83E-05	9.88E-06	
	MHDT	15	2.205	0	500	0.31	2.98E-01	6.57E-04	8.28E-05	
	HHDT	15	53.383	0	500	0.31	1.30E+00	2.87E-03	3.62E-04	
				52			2.32E+01	5.12E-02	6.45E-03	6.45E-03
Travel at Gas Compressor	LDA	15	0.970	9	500	0.31	2.75E+00	6.05E-03	7.63E-04	
	LDT1	15	2.221	1	500	0.31	9.50E-01	2.09E-03	2.64E-04	
	LDT2	15	1.268	4	500	0.31	1.42E+00	3.12E-03	3.94E-04	
	MDT	15	1.937	3	500	0.31	2.09E+00	4.61E-03	5.81E-04	
	LHDT1	15	2.221	2	500	0.31	1.10E+00	2.42E-03	3.05E-04	
	LHDT2	15	0.664	0	500	0.31	2.58E-02	5.69E-05	7.18E-06	
	MHDT	15	2.205	0	500	0.31	9.52E-02	2.10E-04	2.65E-05	
	HHDT	15	53.383	0	500	0.31	3.19E-01	7.03E-04	8.87E-05	
				19			8.74E+00	1.93E-02	2.43E-03	2.43E-03
Travel at Fueling Station	LDA	15	0.970	9	100	0.06	5.13E-01	1.13E-03	1.43E-04	
	LDT1	15	2.221	1	100	0.06	1.78E-01	3.92E-04	4.94E-05	
	LDT2	15	1.268	3	100	0.06	2.65E-01	5.84E-04	7.36E-05	
	MDT	15	1.937	3	100	0.06	3.91E-01	8.61E-04	1.09E-04	
	LHDT1	15	2.221	0	100	0.06	5.94E-02	1.31E-04	1.65E-05	
	LHDT2	15	0.664	0	100	0.06	1.40E-03	3.08E-06	3.88E-07	
	MHDT	15	2.205	0	100	0.06	6.21E-02	1.37E-04	1.73E-05	
	HHDT	15	53.383	0	100	0.06	5.13E-01	1.13E-03	1.43E-04	
				17			1.98E+00	4.37E-03	5.51E-04	5.51E-04
Total - All Buildings	LDA			892			4.97E+02	1.10E+00	1.38E-01	
	LDT1			135			1.72E+02	3.79E-01	4.78E-02	
	LDT2			352			2.57E+02	5.65E-01	7.13E-02	
	MDT			340			3.79E+02	8.34E-01	1.05E-01	
	LHDT1			89			1.13E+02	2.50E-01	3.15E-02	
	LHDT2			7			2.67E+00	5.88E-03	7.42E-04	
	MHDT			31			3.94E+01	8.67E-02	1.09E-02	
	HHDT			6			1.73E+02	3.82E-01	4.81E-02	
				1852			1.63E+03	3.60E+00	4.54E-01	4.54E-01

Non-Diesel truck Idling Emissions **CO Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	**LHDT1**	11.546	15	42	1.22E+02	2.69E-01	3.39E-02	
	LHDT2	6.033	15	3	5.02E+00	1.11E-02	1.39E-03	
	MHDT	130.012	15	15	4.86E+02	1.07E+00	1.35E-01	
	HHDT	130.012	15	3	8.82E+01	1.94E-01	2.45E-02	
				63	7.01E+02	1.54E+00	1.95E-01	1.95E-01
Idle at Light Logistics	**LHDT1**	11.55	15	1	3.16E+00	6.97E-03	8.79E-04	
	LHDT2	6.03	15	0	1.30E-01	2.87E-04	3.61E-05	
	MHDT	130.01	15	0	7.08E+00	1.56E-02	1.97E-03	
	HHDT	130.01	15	0	1.28E+00	2.81E-03	3.55E-04	
				1	1.16E+01	2.57E-02	3.23E-03	3.23E-03
Idle at Gas Compressor	**LHDT1**	11.55	15	1	2.30E+00	5.06E-03	6.38E-04	
	LHDT2	6.03	15	0	9.45E-02	2.08E-04	2.62E-05	
	MHDT	130.01	15	0	2.26E+00	4.98E-03	6.28E-04	
	HHDT	130.01	15	0	3.13E-01	6.89E-04	8.69E-05	
				1	4.96E+00	1.09E-02	1.38E-03	1.38E-03
Idle at Fueling Station	**LHDT1**	11.546	15	0	6.21E-01	1.37E-03	1.73E-04	
	LHDT2	6.033	15	0	2.56E-02	5.63E-05	7.10E-06	
	MHDT	130.012	15	0	7.37E+00	1.62E-02	2.05E-03	
	HHDT	130.012	15	0	2.51E+00	5.54E-03	6.99E-04	
				1	1.05E+01	2.32E-02	2.92E-03	2.92E-03
TOTAL				66	7.28E+02	1.60E+00	2.02E-01	2.02E-01

World Logistics Center **2022** **Phase 2** Assumes MY2010 Diesel MHDT and HHDT
CO Emissions

Emission Assumptions - Peak PM Hour

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for CO emissions
c) Emissions calculated for 2022

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr):	24
Facility operations for All Others (hr):	24

World Logistics Center

2022 **Phase 2**

Total Peak Hour Vehicle Running Exhaust Emissions **Pollutant** **CO**

Travel to Building	**AERMOD Source ID**	**Diesel Vehicles (g/sec)**	**Non-Diesel Vehicles (g/sec)**	**Total (g/sec)**
High Cube	Phase 2	1.81E-01	4.21E-01	6.02E-01
Light Logistics	Phase 2	0.00E+00	0.00E+00	0.00E+00
Gas Compressor	Phase 2	0.00E+00	0.00E+00	0.00E+00
Fueling Station/Convenience Store	Phase 2	1.42E-04	1.53E-04	2.95E-04
Total		1.81E-01	4.21E-01	6.02E-01

Total Peak Hour Vehicle Idling Emission Sources **Pollutant** **CO**

Building	**AERMOD Source IDs**	**Diesel Vehicles Emissions (g/sec)**	**Non-Diesel Emissions (g/sec)**	**Total Emissions (g/sec)**
High Cube	Phase 2	9.17E-01	1.61E-01	1.08E+00
Light Logistics	Phase 2	0.00E+00	0.00E+00	0.00E+00
GasCompressor	Phase 2	0.00E+00	0.00E+00	0.00E+00
Fueling Station/Convenience Store	Phase 2	6.92E-03	6.18E-04	7.54E-03
Total		9.24E-01	1.62E-01	1.09E+00

Total Peak Hour Onsite Emissions

Runing Exhaust	6.02E-01	
Idling Emissions	1.09E+00	
Total	1.69E+00	g/sec
Size of Area Source	4565134	m2
Area Emission Rate	**3.70E-07**	**g/m2-sec**
Weighted Emission Ht (m)	2.96E+00	

World Logistics Center **2022** **Phase 2**

Vehicle Fleet Mix

	Building Size (sq-ft)	
High Cube Warehouse	20150000	
Light Logistics	0	
Compression Station	0	
Fueling Station	0	6 pumps
	20,150,000	

Trip Generation - High Cube Warehouse

	trips/pk hr (Non-PCE)	Source
High Cube Warehouse	2418	<--- PB 2012 (100512)
Light Logistics	0	
Compression Station	0	
Fueling Station	10	
Total	2428	

Vehicle Fleet for High Cube Warehouse

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	64.3%	51.92%	0.28%	2	805	807
LDT1		7.84%	0.12%	0	122	122
LDT2		20.47%	0.05%	0	318	318
MDT		19.78%	0.08%	0	307	308
SubTotal		100.0%		3	1552	1555
LHDT1 (2 axle truck)	6.1%	86.25%	36.99%	47	80	127
LHDT2		13.75%	68.89%	14	6	20
Subtota;		100.0%		61	86	147
MHDT (3 axle truck)	8.1%	100.0%	85.53%	168	28	196
HHDT (4+ axle truck)	21.5%	100.0%	99.01%	515	5	520
Total	100.0%			746	1672	2418

Vehicle Fleet for Light Logistics

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	76.6%	51.92%	0.28%	0	0	0
LDT1		7.84%	0.12%	0	0	0
LDT2		20.47%	0.05%	0	0	0
MDT		19.78%	0.08%	0	0	0
SubTotal		100.0%		0	0	0
LHDT1 (2 axle truck)	6.3%	86.25%	36.99%	0	0	0
LHDT2		13.75%	68.89%	0	0	0
Subtota;		100.0%		0	0	0
MHDT (3 axle truck)	4.7%	100.0%	85.53%	0	0	0
HHDT (4+ axle truck)	12.4%	100.0%	99.01%	0	0	0
Total	100.0%			0	0	0

Vehicle Fleet for Gas Compression

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	75.1%	51.92%	0.28%	0	0	0
LDT1		7.84%	0.12%	0	0	0
LDT2		20.47%	0.05%	0	0	0
MDT		19.78%	0.08%	0	0	0
SubTotal		100.0%		0	0	0
LHDT1 (2 axle truck)	12.5%	86.25%	36.99%	0	0	0
LHDT2		13.75%	68.89%	0	0	0
Subtota;		100.0%		0	0	0
MHDT (3 axle truck)	4.1%	100.0%	85.53%	0	0	0
HHDT (4+ axle truck)	8.3%	100.0%	99.01%	0	0	0
Total	100.0%			0	0	0

Vehicle Fleet for Fueling Station/Convenience Store

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	45.7%	51.92%	0.28%	0	2	2
LDT1		7.84%	0.12%	0	0	0
LDT2		20.47%	0.05%	0	1	1
MDT		19.78%	0.08%	0	1	1
SubTotal		100.0%		0	5	5
LHDT1 (2 axle truck)	2.2%	86.25%	36.99%	0	0	0
LHDT2		13.75%	68.89%	0	0	0
Subtota;		100.0%		0	0	0
MHDT (3 axle truck)	8.7%	100.0%	85.53%	1	0	1
HHDT (4+ axle truck)	43.4%	100.0%	99.01%	4	0	4
Total	100.0%			5	5	10

Vehicle Summary (High Cube + Light Logistics + Gas Compressor + Fueling Station/Convenience Store)

Vehicle Class	Pk Hr Diesel Trips	Pk Hr Non Diesel Trips	Total Pk Hr Trips
LDA	2	807	810
LDT1	0	122	122
LDT2	0	319	319
MDT	0	308	308
LHDT1	47	80	127
LHDT2	14	6	20
MHDT	168	28	197
HHDT	519	5	524
Total	751	1677	2428

Trip Generation from PB 2012 Traffic Study
Vehicle Fleet Mix taken from EMFAC2011 for the SCAQMD in **2022** and the PB 2012 Traffic Study
% Diesel taken from EMAC2011 for the SCAQMD in **2022**

World Logistics Center 2022 Phase 2
Diesel Vehicle Emissions CO

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions CO Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/hr)	Pk Hr Emissions (lbs/hr)	Pk Hr Average Emissions (g/sec)	Total Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	LDA	15	0.199	2	950	0.59	2.65E-01	5.83E-04	7.35E-05	
	LDT1	15	0.312	0	950	0.59	2.78E-02	6.13E-05	7.73E-06	
	LDT2	15	0.237	0	950	0.59	2.18E-02	4.80E-05	6.06E-06	
	MDT	15	0.190	0	950	0.59	2.90E-02	6.39E-05	8.06E-06	
	LHDT1	15	1.288	47	950	0.59	3.58E+01	7.88E-02	9.93E-03	
	LHDT2	15	1.269	14	950	0.59	1.05E+01	2.30E-02	2.91E-03	
	MHDT	15	0.660	168	950	0.59	6.52E+01	1.44E-01	1.81E-02	
	HHDT	15	1.775	515	950	0.59	5.39E+02	1.19E+00	1.50E-01	
				746			6.51E+02	1.43E+00	1.81E-01	1.81E-01
Travel at Light Logistics	LDA	15	0.199	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.312	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.237	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.190	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	1.288	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	1.269	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.660	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	1.775	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Gas Compressor	LDA	15	0.199	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.312	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.237	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.190	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	1.288	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	1.269	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.660	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	1.775	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
							0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Refueling Station	LDA	15	0.199	0	100	0.06	8.18E-05	1.80E-07	2.27E-08	
	LDT1	15	0.312	0	100	0.06	8.61E-06	1.90E-08	2.39E-09	
	LDT2	15	0.237	0	100	0.06	6.75E-06	1.49E-08	1.87E-09	
	MDT	15	0.190	0	100	0.06	8.98E-06	1.98E-08	2.49E-09	
	LHDT1	15	1.288	0	100	0.06	5.61E-03	1.24E-05	1.56E-06	
	LHDT2	15	1.269	0	100	0.06	1.64E-03	3.62E-06	4.56E-07	
	MHDT	15	0.660	1	100	0.06	3.05E-02	6.72E-05	8.47E-06	
	HHDT	15	1.775	4	100	0.06	4.74E-01	1.04E-03	1.32E-04	
				5			5.12E-01	1.13E-03	1.42E-04	1.42E-04
Total - All Buildings	LDA			2			2.65E-01	5.83E-04	7.35E-05	
	LDT1			0			2.79E-02	6.13E-05	7.74E-06	
	LDT2			0			2.18E-02	4.81E-05	6.06E-06	
	MDT			0			2.90E-02	6.39E-05	8.06E-06	
	LHDT1			47			3.58E+01	7.88E-02	9.94E-03	
	LHDT2			14			1.05E+01	2.30E-02	2.91E-03	
	MHDT			168			6.53E+01	1.44E-01	1.81E-02	
	HHDT			519			5.40E+02	1.19E+00	1.50E-01	
	Total			751			6.51E+02	1.43E+00	1.81E-01	1.81E-01

Diesel truck Idling Emissions **CO Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	**LHDT1**	11.057	15	24	6.50E+01	1.43E-01	1.81E-02	
	LHDT2	10.890	15	7	1.90E+01	4.19E-02	5.28E-03	
	MHDT	25.423	15	84	5.32E+02	1.17E+00	1.48E-01	
	HHDT	41.724	15	257	2.68E+03	5.91E+00	7.46E-01	
				372	3.30E+03	7.27E+00	9.17E-01	9.17E-01
Idle at Light Logistics	**LHDT1**	11.06	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	10.89	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	25.42	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	41.72	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Gas Compressor	**LHDT1**	11.06	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	10.89	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	25.42	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	41.72	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Fueling Station	**LHDT1**	11.06	15	0	9.70E-02	2.14E-04	2.69E-05	
	LHDT2	10.89	15	0	2.84E-02	6.25E-05	7.88E-06	
	MHDT	25.42	15	0	2.36E+00	5.21E-03	6.57E-04	
	HHDT	41.72	15	2	2.24E+01	4.94E-02	6.23E-03	
				3	2.49E+01	5.48E-02	6.92E-03	6.92E-03
TOTAL				374	3.33E+03	7.33E+00	9.24E-01	9.24E-01

World Logistics Center 2022 Phase 2
Non-Diesel Vehicle Emissions CO

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions CO Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/day)	Pk Hr Emissions (lbs/day)	Pk Hr Emissions (g/sec)	Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	0.970	805	950	0.59	4.61E+02	1.02E+00	1.28E-01	
	LDT1	15	2.221	122	950	0.59	1.60E+02	3.52E-01	4.43E-02	
	LDT2	15	1.268	318	950	0.59	2.38E+02	5.24E-01	6.61E-02	
	MDT	15	1.937	307	950	0.59	3.51E+02	7.74E-01	9.76E-02	
	LHDT1	15	2.221	80	950	0.59	1.05E+02	2.31E-01	2.92E-02	
	LHDT2	15	0.664	6	950	0.59	2.47E+00	5.45E-03	6.87E-04	
	MHDT	15	2.205	28	950	0.59	3.69E+01	8.13E-02	1.02E-02	
	HHDT	15	53.383	5	950	0.59	1.62E+02	3.57E-01	4.51E-02	
				1672			1.52E+03	3.34E+00	4.21E-01	4.21E-01
Travel at Light Logistics	LDA	15	0.970	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	2.221	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	1.268	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	1.937	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	2.221	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.664	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	2.205	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	53.383	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Gas Compressor	LDA	15	0.970	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	2.221	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	1.268	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	1.937	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	2.221	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.664	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	2.205	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	53.383	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Fueling Station	LDA	15	0.970	2	100	0.06	1.43E-01	3.14E-04	3.96E-05	
	LDT1	15	2.221	0	100	0.06	4.94E-02	1.09E-04	1.37E-05	
	LDT2	15	1.268	1	100	0.06	7.36E-02	1.62E-04	2.05E-05	
	MDT	15	1.937	1	100	0.06	1.09E-01	2.39E-04	3.02E-05	
	LHDT1	15	2.221	0	100	0.06	1.65E-02	3.63E-05	4.58E-06	
	LHDT2	15	0.664	0	100	0.06	3.88E-04	8.55E-07	1.08E-07	
	MHDT	15	2.205	0	100	0.06	1.73E-02	3.80E-05	4.79E-06	
	HHDT	15	53.383	0	100	0.06	1.43E-01	3.14E-04	3.96E-05	
				5			5.51E-01	1.21E-03	1.53E-04	1.53E-04
Total - All Buildings	LDA			807			4.61E+02	1.02E+00	1.28E-01	
	LDT1			122			1.60E+02	3.52E-01	4.43E-02	
	LDT2			319			2.38E+02	5.24E-01	6.61E-02	
	MDT			308			3.51E+02	7.74E-01	9.76E-02	
	LHDT1			80			1.05E+02	2.31E-01	2.92E-02	
	LHDT2			6			2.47E+00	5.45E-03	6.87E-04	
	MHDT			28			3.69E+01	8.13E-02	1.03E-02	
	HHDT			5			1.62E+02	3.58E-01	4.51E-02	
				1677			1.52E+03	3.34E+00	4.21E-01	4.21E-01

Non-Diesel truck Idling Emissions **CO Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	**LHDT1**	11.546	15	40	1.16E+02	2.55E-01	3.21E-02	
	LHDT2	6.033	15	3	4.76E+00	1.05E-02	1.32E-03	
	MHDT	130.012	15	14	4.61E+02	1.01E+00	1.28E-01	
	HHDT	0.000	15	3	0.00E+00	0.00E+00	0.00E+00	
				60	5.81E+02	1.28E+00	1.61E-01	1.61E-01
Idle at Light Logistics	**LHDT1**	11.55	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	6.03	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	130.01	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.00	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Gas Compressor	**LHDT1**	11.55	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	6.03	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	130.01	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.00	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Fueling Station	**LHDT1**	11.546	15	0	1.73E-01	3.80E-04	4.79E-05	
	LHDT2	6.033	15	0	7.10E-03	1.56E-05	1.97E-06	
	MHDT	130.012	15	0	2.05E+00	4.51E-03	5.68E-04	
	HHDT	0.000	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	2.23E+00	4.90E-03	6.18E-04	6.18E-04
TOTAL				60	5.83E+02	1.28E+00	1.62E-01	1.62E-01

World Logistics Center Project-ONLY Emissions | **2022 Phase 1 + Phase 2** | **CO**

Based on PB Traffic Results 10/23/2012
Assumes MY2010 Diesel MHDT and HHDT
NoR

Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Total Emissions (g/sec)	Weighted Release Height (m)
1	2.24E-02	7.13E-02	9.37E-02	1.7
2	9.23E-02	2.24E-01	3.16E-01	1.9
3	6.64E-02	1.66E-01	2.32E-01	1.9
4	3.34E-03	6.14E-02	6.48E-02	1.2
5	5.87E-03	1.23E-01	1.29E-01	1.1
6	6.34E-02	1.80E-01	2.43E-01	1.8
7	7.49E-03	2.70E-02	3.45E-02	1.7
8	7.76E-03	1.92E-01	2.00E-01	1.1
11	1.72E-04	4.50E-03	4.67E-03	1.1
12	1.36E-03	1.16E-02	1.29E-02	1.3
14	9.19E-03	3.24E-02	4.16E-02	1.7
15	1.10E-02	3.42E-02	4.52E-02	1.7
18	5.56E-03	2.07E-02	2.62E-02	1.6
18a	1.67E-03	9.08E-03	1.07E-02	1.5
19	2.53E-02	5.91E-02	8.45E-02	1.9
20	3.10E-03	3.51E-02	3.82E-02	1.2
21	1.83E-02	8.72E-02	1.06E-01	1.5
22	1.95E-02	9.25E-02	1.12E-01	1.5
23	1.11E-02	3.90E-02	5.01E-02	1.7
24	2.19E-02	1.39E-01	1.61E-01	1.4
25	1.09E-02	4.26E-02	5.35E-02	1.6
26	1.03E-02	3.23E-02	4.26E-02	1.7
27	6.10E-03	1.97E-02	2.58E-02	1.7
28	1.48E-02	5.09E-02	6.57E-02	1.7
29	1.92E-02	5.26E-02	7.18E-02	1.8
30	7.85E-02	2.28E-01	3.06E-01	1.8
31	1.16E-02	1.29E-01	1.41E-01	1.2
		Total	2.71E+00	

World Logistics Center 2022
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011 @ All Speeds

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	22,213,285
LDT1-GAS	3,359,747
LDT2-GAS	8,776,768
MDT-GAS	8,478,946
LHDT1-GAS	1,438,460
LHDT2-GAS	113,224
MHDT-GAS	87,254
HHDT-GAS	21,705
Subtotal	44489389
DSL Vehicle Class	
LDA-DSL	62,127.77
LDT1-DSL	4,176.15
LDT2-DSL	4,311.57
MDT-DSL	7,126.31
LHDT1-DSL	844,299.02
LHDT2-DSL	250,743.90
MHDT-DSL	515,587.56
HHDT-DSL	2,169,783.95
Subtotal	3858156
Grand Total	48347545

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	22213285	62128	22275413	51.92%	99.7%	0.28%
LDT1		3359747	4176	3363924	7.84%	99.9%	0.12%
LDT2		8776768	4312	8781080	20.47%	100.0%	0.05%
MDT		8478946	7126	8486072	19.78%	99.9%	0.08%
Subtotal		42828746	77742	42906488	100.00%	99.8%	0.18%
LHDT1	Light Heavy Truck	1438460	844299	2282759	86.25%	63.0%	36.99%
LHDT2		113224	250744	363968	13.75%	31.1%	68.89%
Subtotal		1551684	1095043	2646727			
MHDT	Medium Heavy Truck	87254	515588	602841	100%	14.5%	85.53%
HHDT	Heavy Heavy Truck	21705	2169784	2191489	100%	1.0%	99.01%

World Logistics Center **2022** **CO** **Phase 1 + Phase 2**

Project-ONLY Emissions
Internal Roadway Circulation

Project Operations: 1 hours/day

Vehicle Fleet Trips - Diesel (% Vehicle Class)

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.14%	0.01%	0.01%	0.02%	31.90%	9.47%	85.53%	99.01%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2_DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)
1	1749	1,197	41	123	387	327	0.203	2	0	0	0	13	4	106	383	508
2	3146	1,903	144	265	834	614	0.381	3	0	0	0	46	14	227	826	1116
3	1201	734	56	100	311	1181	0.734	1	0	0	0	18	5	85	308	418
4	450	394	18	31	7	934	0.580	1	0	0	0	6	2	26	7	41
5	796	699	31	59	6	1060	0.658	1	0	0	0	10	3	51	6	71
6	1284	826	53	105	299	1163	0.722	1	0	0	0	17	5	89	297	409
7	400	279	15	31	75	535	0.332	0	0	0	0	5	1	26	74	108
8	1146	1,012	47	86	0	1143	0.710	1	0	0	0	15	4	74	0	95
11	25	23	1	2	0	1201	0.746	0	0	0	0	0	0	1	0	2
12	109	77	17	15	0	824	0.512	0	0	0	0	6	2	13	0	20
14	289	197	18	20	53	897	0.557	0	0	0	0	6	2	17	53	78
15	393	239	58	27	68	734	0.456	0	0	0	0	19	6	23	67	115
18	211	145	12	17	36	780	0.485	0	0	0	0	4	1	15	36	56
18a	105	80	4	9	12	648	0.403	0	0	0	0	1	0	7	12	22
19	381	228	15	32	106	1347	0.837	0	0	0	0	5	1	27	105	139
20	230	196	7	16	11	1067	0.663	0	0	0	0	2	1	13	11	28
21	1001	744	38	80	139	664	0.412	1	0	0	0	12	4	69	138	224
22	1002	744	38	81	139	704	0.437	1	0	0	0	12	4	70	138	224
23	694	479	25	57	133	448	0.278	1	0	0	0	8	2	48	131	191
24	700	561	18	44	78	1443	0.896	1	0	0	0	6	2	38	77	123
25	1244	902	33	83	226	265	0.165	1	0	0	0	10	3	71	224	310
26	629	422	22	49	135	417	0.259	1	0	0	0	7	2	42	134	186
27	460	309	18	37	95	347	0.216	0	0	0	0	6	2	32	94	134
28	279	192	10	22	55	1459	0.906	0	0	0	0	3	1	19	55	78
29	773	500	22	57	194	564	0.350	1	0	0	0	7	2	49	192	251
30	860	566	26	65	203	2174	1.351	1	0	0	0	8	2	56	201	268
31	569	493	12	31	34	1563	0.971	1	0	0	0	4	1	26	33	65

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors (g/mi)

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.1030	0.1502	0.1227	0.1009	0.7346	0.7235	0.3377	0.9085
2	0.0808	0.1187	0.0963	0.0791	0.4125	0.4063	0.3177	0.8547
3	0.0872	0.1263	0.1039	0.0856	0.5026	0.4950	0.3157	0.8492
4	0.0834	0.1266	0.0992	0.0807	0.4062	0.4001	0.3446	1.0800

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	Total (g/sec)
1	1	1.01E-05	9.87E-07	8.33E-07	1.13E-06	5.47E-04	1.60E-04	2.01E-03	1.96E-02	2.24E-02
2	1	3.01E-05	2.95E-06	2.49E-06	3.38E-06	3.57E-03	1.04E-03	8.11E-03	7.95E-02	9.23E-02
3	1	2.23E-05	2.19E-06	1.84E-06	2.51E-06	2.66E-03	7.78E-04	5.88E-03	5.71E-02	6.64E-02
4	1	9.48E-06	9.30E-07	7.84E-07	1.07E-06	6.63E-04	1.94E-04	1.43E-03	1.04E-03	3.34E-03
5	1	1.91E-05	1.87E-06	1.58E-06	2.14E-06	1.34E-03	3.91E-04	3.14E-03	9.76E-04	5.87E-03
6	1	2.47E-05	2.42E-06	2.04E-06	2.78E-06	2.50E-03	7.32E-04	6.06E-03	5.41E-02	6.34E-02
7	1	3.84E-06	3.76E-07	3.17E-07	4.31E-07	3.34E-04	9.76E-05	8.20E-04	6.24E-03	7.49E-03
8	1	2.98E-05	2.92E-06	2.46E-06	3.35E-06	2.18E-03	6.38E-04	4.90E-03	0.00E+00	7.76E-03
11	1	6.96E-07	6.83E-08	5.76E-08	7.83E-08	5.76E-05	1.69E-05	9.64E-05	0.00E+00	1.72E-04
12	1	1.64E-06	1.61E-07	1.35E-07	1.84E-07	5.79E-04	1.69E-04	6.06E-04	0.00E+00	1.36E-03
14	1	4.54E-06	4.45E-07	3.76E-07	5.11E-07	6.70E-04	1.96E-04	8.94E-04	7.42E-03	9.19E-03
15	1	4.52E-06	4.43E-07	3.73E-07	5.08E-07	1.73E-03	5.05E-04	1.00E-03	7.73E-03	1.10E-02
18	1	2.92E-06	2.86E-07	2.41E-07	3.28E-07	3.90E-04	1.14E-04	6.79E-04	4.37E-03	5.56E-03
18a	1	1.34E-06	1.31E-07	1.10E-07	1.50E-07	1.07E-04	3.12E-05	2.82E-04	1.24E-03	1.67E-03
19	1	7.90E-06	7.75E-07	6.53E-07	8.89E-07	8.03E-04	2.35E-04	2.14E-03	2.21E-02	2.53E-02
20	1	5.37E-06	5.27E-07	4.44E-07	6.04E-07	3.14E-04	9.20E-05	8.25E-04	1.87E-03	3.10E-03
21	1	1.27E-05	1.25E-06	1.05E-06	1.43E-06	1.03E-03	3.01E-04	2.66E-03	1.43E-02	1.83E-02
22	1	1.35E-05	1.32E-06	1.11E-06	1.51E-06	1.09E-03	3.20E-04	2.85E-03	1.52E-02	1.95E-02
23	1	5.53E-06	5.42E-07	4.57E-07	6.21E-07	4.61E-04	1.35E-04	1.26E-03	9.22E-03	1.11E-02
24	1	2.08E-05	2.04E-06	1.72E-06	2.34E-06	1.04E-03	3.04E-04	3.18E-03	1.74E-02	2.19E-02
25	1	6.15E-06	6.03E-07	5.08E-07	6.91E-07	3.51E-04	1.03E-04	1.09E-03	9.30E-03	1.09E-02
26	1	4.53E-06	4.44E-07	3.75E-07	5.10E-07	3.76E-04	1.10E-04	1.02E-03	8.74E-03	1.03E-02
27	1	2.76E-06	2.71E-07	2.28E-07	3.11E-07	2.54E-04	7.44E-05	6.39E-04	5.13E-03	6.10E-03
28	1	7.20E-06	7.06E-07	5.95E-07	8.09E-07	5.80E-04	1.70E-04	1.60E-03	1.25E-02	1.48E-02
29	1	7.25E-06	7.11E-07	6.00E-07	8.15E-07	5.10E-04	1.49E-04	1.60E-03	1.70E-02	1.92E-02
30	1	3.17E-05	3.11E-06	2.62E-06	3.56E-06	2.28E-03	6.67E-04	7.06E-03	6.84E-02	7.85E-02
31	1	1.98E-05	1.94E-06	1.64E-06	2.23E-06	7.77E-04	2.27E-04	2.38E-03	8.16E-03	1.16E-02

World Logistics Center **2022** **CO** **Phase 1 + Phase 2**
Project-ONLY Emissions
Internal Roadway Circulation

Project Operations: 1 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
51.77%	7.83%	20.46%	19.76%	54.35%	4.28%	14.47%	0.99%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2 GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	1749	1,197	41	123	387	327	0.203	620	94	245	237	22	2	18	4	1241
2	3146	1,903	144	265	834	614	0.381	985	149	389	376	78	6	38	8	2030
3	1201	734	56	100	311	1181	0.734	380	57	150	145	30	2	14	3	783
4	450	394	18	31	7	934	0.580	204	31	81	78	10	1	4	0	409
5	796	699	31	59	6	1060	0.658	362	55	143	138	17	1	9	0	725
6	1284	826	53	105	299	1163	0.722	428	65	169	163	29	2	15	3	874
7	400	279	15	31	75	535	0.332	144	22	57	55	8	1	4	1	292
8	1146	1,012	47	86	0	1143	0.710	524	79	207	200	26	2	12	0	1051
11	25	23	1	2	0	1201	0.746	12	2	5	4	1	0	0	0	23
12	109	77	17	15	0	824	0.512	40	6	16	15	9	1	2	0	89
14	289	197	18	20	53	897	0.557	102	15	40	39	10	1	3	1	211
15	393	239	58	27	68	734	0.456	124	19	49	47	32	2	4	1	277
18	211	145	12	17	36	780	0.485	75	11	30	29	7	1	3	0	155
18a	105	80	4	9	12	648	0.403	41	6	16	16	2	0	1	0	84
19	381	228	15	32	106	1347	0.837	118	18	47	45	8	1	5	1	242
20	230	196	7	16	11	1067	0.663	101	15	40	39	4	0	2	0	202
21	1001	744	38	80	139	664	0.412	385	58	152	147	21	2	12	1	778
22	1002	744	38	81	139	704	0.437	385	58	152	147	21	2	12	1	778
23	694	479	25	57	133	448	0.278	248	38	98	95	14	1	8	1	503
24	700	561	18	44	78	1443	0.896	290	44	115	111	10	1	6	1	577
25	1244	902	33	83	226	265	0.165	467	71	184	178	18	1	12	2	934
26	629	422	22	49	135	417	0.259	219	33	86	83	12	1	7	1	443
27	460	309	18	37	95	347	0.216	160	24	63	61	10	1	5	1	326
28	279	192	10	22	55	1459	0.906	99	15	39	38	5	0	3	1	201
29	773	500	22	57	194	564	0.350	259	39	102	99	12	1	8	2	522
30	860	566	26	65	203	2174	1.351	293	44	116	112	14	1	9	2	592
31	569	493	12	31	34	1563	0.971	255	39	101	97	7	1	4	0	504

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	0.6890	1.5150	0.8998	1.3664	0.7023	0.3670	1.2189	29.5024
2	0.5199	1.1658	0.6772	1.0341	0.4130	0.2308	0.7660	18.5408
3	0.5885	1.2982	0.7681	1.1679	0.4831	0.2525	0.8381	20.2855
4	0.4511	1.0535	0.5857	0.9037	0.4417	0.2308	0.7660	18.5408

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	2.41E-02	8.01E-03	1.24E-02	1.82E-02	8.91E-04	3.66E-05	1.23E-03	6.38E-03	7.13E-02
2	1	7.19E-02	2.39E-02	3.71E-02	5.44E-02	5.81E-03	2.39E-04	4.95E-03	2.58E-02	2.24E-01
3	1	5.34E-02	1.77E-02	2.75E-02	4.04E-02	4.33E-03	1.78E-04	3.59E-03	1.85E-02	1.66E-01
4	1	2.27E-02	7.54E-03	1.17E-02	1.72E-02	1.08E-03	4.44E-05	8.75E-04	3.39E-04	6.14E-02
5	1	4.56E-02	1.52E-02	2.35E-02	3.45E-02	2.18E-03	8.96E-05	1.92E-03	3.17E-04	1.23E-01
6	1	5.92E-02	1.97E-02	3.05E-02	4.48E-02	4.08E-03	1.68E-04	3.70E-03	1.76E-02	1.80E-01
7	1	9.18E-03	3.05E-03	4.74E-03	6.95E-03	5.44E-04	2.24E-05	5.01E-04	2.03E-03	2.70E-02
8	1	7.12E-02	2.37E-02	3.68E-02	5.39E-02	3.55E-03	1.46E-04	3.00E-03	0.00E+00	1.92E-01
11	1	1.67E-03	5.54E-04	8.60E-04	1.26E-03	9.39E-05	3.86E-06	5.89E-05	0.00E+00	4.50E-03
12	1	3.92E-03	1.30E-03	2.02E-03	2.97E-03	9.43E-04	3.88E-05	3.70E-04	0.00E+00	1.16E-02
14	1	1.09E-02	3.61E-03	5.61E-03	8.22E-03	1.09E-03	4.49E-05	5.46E-04	2.41E-03	3.24E-02
15	1	1.08E-02	3.59E-03	5.58E-03	8.18E-03	2.81E-03	1.16E-04	6.12E-04	2.51E-03	3.42E-02
18	1	6.98E-03	2.32E-03	3.60E-03	5.29E-03	6.36E-04	2.61E-05	4.15E-04	1.42E-03	2.07E-02
18a	1	3.19E-03	1.06E-03	1.65E-03	2.42E-03	1.74E-04	7.14E-06	1.72E-04	4.04E-04	9.08E-03
19	1	1.89E-02	6.29E-03	9.76E-03	1.43E-02	1.31E-03	5.38E-05	1.31E-03	7.19E-03	5.91E-02
20	1	1.29E-02	4.28E-03	6.63E-03	9.73E-03	5.12E-04	2.11E-05	5.04E-04	6.06E-04	3.51E-02
21	1	3.04E-02	1.01E-02	1.57E-02	2.30E-02	1.68E-03	6.91E-05	1.63E-03	4.65E-03	8.72E-02
22	1	3.22E-02	1.07E-02	1.66E-02	2.44E-02	1.78E-03	7.32E-05	1.74E-03	4.93E-03	9.25E-02
23	1	1.32E-02	4.40E-03	6.82E-03	1.00E-02	7.50E-04	3.09E-05	7.71E-04	3.00E-03	3.90E-02
24	1	4.98E-02	1.66E-02	2.57E-02	3.77E-02	1.69E-03	6.96E-05	1.94E-03	5.65E-03	1.39E-01
25	1	1.47E-02	4.89E-03	7.59E-03	1.11E-02	5.72E-04	2.35E-05	6.67E-04	3.02E-03	4.26E-02
26	1	1.08E-02	3.61E-03	5.59E-03	8.21E-03	6.12E-04	2.52E-05	6.24E-04	2.84E-03	3.23E-02
27	1	6.61E-03	2.20E-03	3.41E-03	5.00E-03	4.14E-04	1.71E-05	3.90E-04	1.67E-03	1.97E-02
28	1	1.72E-02	5.73E-03	8.88E-03	1.30E-02	9.45E-04	3.89E-05	9.75E-04	4.06E-03	5.09E-02
29	1	1.73E-02	5.77E-03	8.95E-03	1.31E-02	8.31E-04	3.42E-05	9.76E-04	5.51E-03	5.26E-02
30	1	7.58E-02	2.52E-02	3.91E-02	5.74E-02	3.71E-03	1.53E-04	4.31E-03	2.22E-02	2.28E-01
31	1	4.74E-02	1.58E-02	2.45E-02	3.59E-02	1.27E-03	5.20E-05	1.46E-03	2.65E-03	1.29E-01

World Logistics Center **2022** **CO** Based on PB Traffic Results 10/23/2012
NON Project Emissions
Internal Roadways No Refrigeration

Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Total Emissions (g/sec)	Weighted Emission Ht (m)
1	0.00E+00	0.00E+00	0.00E+00	1.0
2	0.00E+00	0.00E+00	0.00E+00	1.0
3	0.00E+00	0.00E+00	0.00E+00	1.0
4	0.00E+00	0.00E+00	0.00E+00	1.0
5	1.01E-05	2.49E-02	2.50E-02	1.0
6	0.00E+00	0.00E+00	0.00E+00	1.0
7	2.46E-06	1.38E-06	3.84E-06	2.9
8	8.08E-05	1.59E-02	1.59E-02	1.0
11	7.64E-04	9.98E-02	1.01E-01	1.0
12	2.64E-03	1.27E-01	1.30E-01	1.1
14	6.73E-03	8.18E-02	8.85E-02	1.2
15	8.98E-06	4.33E-02	4.33E-02	1.0
18	2.19E-04	8.29E-03	8.51E-03	1.1
18a	1.93E-04	6.89E-03	7.08E-03	1.1
19	1.22E-05	1.13E-05	2.35E-05	2.6
20	4.91E-06	2.75E-06	7.66E-06	2.9
21	9.18E-05	1.74E-02	1.75E-02	1.0
22	1.66E-04	1.04E-02	1.06E-02	1.0
23	7.65E-05	9.78E-04	1.05E-03	1.2
24	8.20E-05	1.82E-02	1.83E-02	1.0
25	4.96E-05	5.55E-03	5.60E-03	1.0
26	1.02E-04	6.64E-04	7.66E-04	1.4
27	6.04E-06	1.48E-06	7.52E-06	3.4
28	2.23E-04	1.85E-03	2.07E-03	1.3
29	3.27E-03	6.38E-02	6.71E-02	1.1
30	1.31E-02	2.69E-01	2.82E-01	1.1
31	1.15E-03	2.77E-01	2.78E-01	1.0
			1.10E+00	

World Logistics Center 2022
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011 @ All Speeds

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	22,213,285
LDT1-GAS	3,359,747
LDT2-GAS	8,776,768
MDT-GAS	8,478,946
LHDT1-GAS	1,438,460
LHDT2-GAS	113,224
MHDT-GAS	87,254
HHDT-GAS	21,705
Subtotal	44489389
DSL Vehicle Class	
LDA-DSL	62,127.77
LDT1-DSL	4,176.15
LDT2-DSL	4,311.57
MDT-DSL	7,126.31
LHDT1-DSL	844,299.02
LHDT2-DSL	250,743.90
MHDT-DSL	515,587.56
HHDT-DSL	2,169,783.95
Subtotal	3858156
Grand Total	48347545

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	22213285	62128	22275413	51.92%	99.7%	0.28%
LDT1	Pass Car	3359747	4176	3363924	7.84%	99.9%	0.12%
LDT2	Pass Car	8776768	4312	8781080	20.47%	100.0%	0.05%
MDT	Pass Car	8478946	7126	8486072	19.78%	99.9%	0.08%
Subtotal		42828746	77742	42906488	100.00%	99.8%	0.18%
LHDT1	Light Heavy Truck	1438460	844299	2282759	86.25%	63.0%	36.99%
LHDT2	Light Heavy Truck	113224	250744	363968	13.75%	31.1%	68.89%
Subtotal		1551684	1095043	2646727			
MHDT	Medium Heavy Truck	87254	515588	602841	100%	14.5%	85.53%
HHDT	Heavy Heavy Truck	21705	2169784	2191489	100%	1.0%	99.01%

World Logistics Center **2022** **CO**

NON Project Emissions
Internal Roadway Circulation

Project Operations: 1 hours/day

Vehicle Fleet Trips - Diesel (% Vehicle Class)

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.14%	0.01%	0.01%	0.02%	31.90%	9.47%	85.53%	99.01%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2_DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)	Roadway Width (m)
1	0	0	0	0	0	327	0.203	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	614	0.381	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	1181	0.734	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	934	0.580	0	0	0	0	0	0	0	0	0	
5	147	147	0	0	0	1060	0.658	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	1163	0.722	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0	
8	87	86	1	1	0	1143	0.710	0	0	0	0	0	0	1	0	1	
11	526	515	6	6	0	1201	0.746	1	0	0	0	2	1	5	0	8	
12	991	946	30	9	5	824	0.512	1	0	0	0	10	3	8	5	27	
14	608	549	18	13	29	897	0.557	1	0	0	0	6	2	11	28	48	
15	368	368	0	0	0	734	0.456	1	0	0	0	0	0	0	0	1	
18	68	65	1	1	1	780	0.485	0	0	0	0	0	0	1	1	2	
18a	68	65	1	1	1	648	0.403	0	0	0	0	0	0	1	1	2	
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0	
21	165	162	3	0	0	664	0.412	0	0	0	0	1	0	0	0	1	
22	94	92	1	1	1	704	0.437	0	0	0	0	0	0	1	1	2	
23	14	13	0	0	1	448	0.278	0	0	0	0	0	0	0	1	1	
24	79	78	1	1	0	1443	0.896	0	0	0	0	0	0	0	0	1	
25	131	130	0	0	1	265	0.165	0	0	0	0	0	0	0	1	1	
26	11	9	0	0	1	417	0.259	0	0	0	0	0	0	0	1	1	
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0	
28	9	8	0	0	1	1459	0.906	0	0	0	0	0	0	0	1	1	
29	746	677	55	0	14	564	0.350	1	0	0	0	18	5	0	14	38	
30	813	742	56	0	15	2174	1.351	1	0	0	0	18	5	0	15	39	
31	1114	1,101	13	0	0	1563	0.971	2	0	0	0	4	1	0	0	8	

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1 Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2 Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3 Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4 Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors (g/mi)

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.1030	0.1502	0.1227	0.1009	0.7346	0.7235	0.3681	1.2016
2	0.0808	0.1187	0.0963	0.0791	0.4125	0.4063	0.3455	1.1259
3	0.0872	0.1263	0.1039	0.0856	0.5026	0.4950	0.3437	1.1208
4	0.0834	0.1266	0.0992	0.0807	0.4062	0.4001	0.3737	1.2169

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	Total (g/sec)
1	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	1	4.00E-06	3.92E-07	3.31E-07	4.50E-07	0.00E+00	0.00E+00	4.88E-06	0.00E+00	1.01E-05
6	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-06	0.00E+00	2.46E-06
8	1	2.53E-06	2.48E-07	2.09E-07	2.85E-07	2.74E-05	8.02E-06	4.21E-05	0.00E+00	8.08E-05
11	1	1.59E-05	1.56E-06	1.31E-06	1.79E-06	2.84E-04	8.31E-05	3.76E-04	0.00E+00	7.64E-04
12	1	2.01E-05	1.97E-06	1.66E-06	2.26E-06	1.01E-03	2.94E-04	3.98E-04	9.17E-04	2.64E-03
14	1	1.27E-05	1.24E-06	1.05E-06	1.43E-06	6.42E-04	1.88E-04	6.24E-04	5.26E-03	6.73E-03
15	1	6.95E-06	6.81E-07	5.74E-07	7.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-06
18	1	1.31E-06	1.29E-07	1.09E-07	1.48E-07	2.41E-05	7.04E-06	5.03E-05	1.36E-04	2.19E-04
18a	1	1.09E-06	1.07E-07	9.02E-08	1.23E-07	2.00E-05	5.85E-06	4.18E-05	1.24E-04	1.93E-04
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-06	1.35E-06	6.20E-06	0.00E+00	1.22E-05
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-06	0.00E+00	4.91E-06
21	1	2.77E-06	2.72E-07	2.29E-07	3.12E-07	6.83E-05	2.00E-05	0.00E+00	0.00E+00	9.18E-05
22	1	1.66E-06	1.63E-07	1.37E-07	1.87E-07	1.93E-05	5.65E-06	2.92E-05	1.10E-04	1.66E-04
23	1	1.53E-07	1.50E-08	1.27E-08	1.72E-08	1.54E-06	4.49E-07	4.12E-06	7.01E-05	7.65E-05
24	1	2.91E-06	2.85E-07	2.40E-07	3.27E-07	2.97E-05	8.68E-06	3.99E-05	0.00E+00	8.20E-05
25	1	8.89E-07	8.72E-08	7.35E-08	9.99E-08	9.08E-07	2.66E-07	1.22E-06	4.61E-05	4.96E-05
26	1	1.02E-07	9.99E-09	8.42E-09	1.15E-08	1.43E-06	4.18E-07	5.76E-06	9.43E-05	1.02E-04
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-06	6.04E-06
28	1	2.86E-07	2.81E-08	2.37E-08	3.22E-08	5.00E-06	1.46E-06	1.34E-05	2.03E-04	2.23E-04
29	1	9.83E-06	9.64E-07	8.13E-07	1.10E-06	1.25E-03	3.67E-04	0.00E+00	1.64E-03	3.27E-03
30	1	4.15E-05	4.07E-06	3.43E-06	4.67E-06	4.90E-03	1.43E-03	0.00E+00	6.69E-03	1.31E-02
31	1	4.43E-05	4.34E-06	3.66E-06	4.98E-06	8.46E-04	2.48E-04	0.00E+00	0.00E+00	1.15E-03

World Logistics Center **2022** **CO**
NON Project Emissions
Internal Roadway Circulation

Project Operations: 1 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
51.77%	7.83%	20.46%	19.76%	54.35%	4.28%	14.47%	0.99%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2 GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	0	0	0	0	0	327	0.203	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	614	0.381	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	1181	0.734	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	934	0.580	0	0	0	0	0	0	0	0	0
5	147	147	0	0	0	1060	0.658	76	11	30	29	0	0	0	0	146
6	0	0	0	0	0	1163	0.722	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0
8	87	86	1	1	0	1143	0.710	45	7	18	17	0	0	0	0	86
11	526	515	6	6	0	1201	0.746	266	40	105	102	3	0	1	0	518
12	991	946	30	9	5	824	0.512	490	74	194	187	16	1	1	0	964
14	608	549	18	13	29	897	0.557	284	43	112	109	10	1	2	0	561
15	368	368	0	0	0	734	0.456	190	29	75	73	0	0	0	0	367
18	68	65	1	1	1	780	0.485	34	5	13	13	0	0	0	0	66
18a	68	65	1	1	1	648	0.403	34	5	13	13	0	0	0	0	66
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	165	162	3	0	0	664	0.412	84	13	33	32	1	0	0	0	163
22	94	92	1	1	1	704	0.437	47	7	19	18	0	0	0	0	92
23	14	13	0	0	1	448	0.278	7	1	3	3	0	0	0	0	13
24	79	78	1	1	0	1443	0.896	41	6	16	15	0	0	0	0	79
25	131	130	0	0	1	265	0.165	67	10	27	26	0	0	0	0	130
26	11	9	0	0	1	417	0.259	5	1	2	2	0	0	0	0	10
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0
28	9	8	0	0	1	1459	0.906	4	1	2	2	0	0	0	0	8
29	746	677	55	0	14	564	0.350	351	53	139	134	30	2	0	0	708
30	813	742	56	0	15	2174	1.351	384	58	152	147	30	2	0	0	773
31	1114	1,101	13	0	0	1563	0.971	570	86	225	217	7	1	0	0	1106
	6040															

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	0.6890	1.5150	0.8998	1.3664	0.7023	0.3670	1.2189	29.5024
2	0.5199	1.1658	0.6772	1.0341	0.4130	0.2308	0.7660	18.5408
3	0.5885	1.2982	0.7681	1.1679	0.4831	0.2525	0.8381	20.2855
4	0.4511	1.0535	0.5857	0.9037	0.4417	0.2308	0.7660	18.5408

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	1	9.57E-03	3.18E-03	4.94E-03	7.25E-03	0.00E+00	0.00E+00	2.73E-06	0.00E+00	2.49E-02
6	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-06	0.00E+00	1.38E-06
8	1	6.06E-03	2.01E-03	3.13E-03	4.59E-03	4.47E-05	1.84E-06	2.36E-05	0.00E+00	1.59E-02
11	1	3.80E-02	1.27E-02	1.96E-02	2.88E-02	4.63E-04	1.90E-05	2.11E-04	0.00E+00	9.98E-02
12	1	4.80E-02	1.60E-02	2.48E-02	3.63E-02	1.64E-03	6.74E-05	2.23E-04	2.25E-04	1.27E-01
14	1	3.03E-02	1.01E-02	1.57E-02	2.30E-02	1.05E-03	4.30E-05	3.49E-04	1.29E-03	8.18E-02
15	1	1.66E-02	5.53E-03	8.57E-03	1.26E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-02
18	1	3.14E-03	1.04E-03	1.62E-03	2.38E-03	3.92E-05	1.61E-06	2.82E-05	3.33E-05	8.29E-03
18a	1	2.61E-03	8.68E-04	1.35E-03	1.98E-03	3.26E-05	1.34E-06	2.34E-05	3.05E-05	6.89E-03
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-06	3.09E-07	3.48E-06	0.00E+00	1.13E-05
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-06	0.00E+00	2.75E-06
21	1	6.63E-03	2.20E-03	3.42E-03	5.02E-03	1.11E-04	4.57E-06	0.00E+00	0.00E+00	1.74E-02
22	1	3.97E-03	1.32E-03	2.05E-03	3.01E-03	3.14E-05	1.29E-06	1.63E-05	2.71E-05	1.04E-02
23	1	3.67E-04	1.22E-04	1.89E-04	2.78E-04	2.50E-06	1.03E-07	2.31E-06	1.72E-05	9.78E-04
24	1	6.95E-03	2.31E-03	3.59E-03	5.27E-03	4.83E-05	1.99E-06	2.23E-05	0.00E+00	1.82E-02
25	1	2.13E-03	7.07E-04	1.10E-03	1.61E-03	1.48E-06	6.08E-08	6.84E-07	1.13E-05	5.55E-03
26	1	2.44E-04	8.10E-05	1.26E-04	1.84E-04	2.33E-06	9.57E-08	3.23E-06	2.32E-05	6.64E-04
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-06	1.48E-06
28	1	6.85E-04	2.28E-04	3.53E-04	5.19E-04	8.14E-06	3.35E-07	7.53E-06	4.99E-05	1.85E-03
29	1	2.35E-02	7.82E-03	1.21E-02	1.78E-02	2.04E-03	8.40E-05	0.00E+00	4.02E-04	6.38E-02
30	1	9.93E-02	3.30E-02	5.12E-02	7.51E-02	7.98E-03	3.28E-04	0.00E+00	1.64E-03	2.69E-01
31	1	1.06E-01	3.52E-02	5.46E-02	8.02E-02	1.38E-03	5.67E-05	0.00E+00	0.00E+00	2.77E-01

World Logistics Center

2022 Phase 1
Nox Emissions
Assumes MY2010 Diesel MHDT and HHDT

Emission Assumptions - Peak PM Hour

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for Nox emissions
c) Emissions calculated for 2022

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr):	24
Facility operations for All Others (hr):	24

World Logistics Center

2022 **Phase 1**

Vehicle Running Exhaust Emissions

			Pollutant	**Nox**
Travel to Building	**AERMOD Source ID**	**Diesel Vehicles (g/sec)**	**Non-Diesel Vehicles (g/sec)**	**Total (g/sec)**
High Cube	Phase 1	3.91E-01	4.05E-02	4.32E-01
Light Logistics	Phase 1	3.13E-03	5.98E-04	3.73E-03
Gas Compressor	Phase 1	9.60E-04	2.26E-04	1.19E-03
Fueling Station/Convenience Store	Phase 1	1.04E-03	4.72E-05	1.09E-03
Total		3.96E-01	4.14E-02	4.38E-01

Vehicle Idling Emission Sources

			Pollutant	**Nox**
Building	**AERMOD Source IDs**	**Diesel Vehicles Emissions (g/sec)**	**Non-Diesel Emissions (g/sec)**	**Total Emissions (g/sec)**
High Cube	Phase 1	9.94E-01	4.17E-03	9.98E-01
Light Logistics	Phase 1	1.48E-02	8.92E-05	1.49E-02
GasCompressor	Phase 1	4.31E-03	5.47E-05	4.36E-03
Fueling Station/Convenience Store	Phase 1	2.44E-02	4.13E-05	2.44E-02
Total		1.04E+00	4.35E-03	1.04E+00

Total Onsite Emission

Runing Exhaust	4.38E-01	
Idling Emissions	1.04E+00	
Total	1.48E+00	g/sec
Size of Area Source	4600443	m2
Area Emission Rate	**3.22E-07**	**g/m2-sec**
Weighted Emission Ht (m)	3.91E+00	

World Logistics Center **2022** **Phase 1**

Vehicle Fleet Mix

	Building Size (sq-ft)	
High Cube Warehouse	21250000	
Light Logistics	200000	
Compression Station	30825	
Fueling Station/Convenience Store	3000	6 pumps
	21,483,825	

Trip Generation

	trips/pk hr (Non-PCE)	Source
High Cube Warehouse	2550	<---- PB 2012 (100512)
Light Logistics	64	
Compression Station	23	
Fueling Station/convenience Store	36	
Total	2673	

Vehicle Fleet for High Cube Warehouse

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	64.3%	51.92%	0.28%	2	849	851
LDT1		7.84%	0.12%	0	128	129
LDT2		20.47%	0.05%	0	335	336
MDT		19.78%	0.08%	0	324	324
SubTotal		100.0%		3	1637	1640
LHDT1 (2 axle truck)	6.1%	86.25%	36.99%	50	85	134
LHDT2		13.75%	68.89%	15	7	21
Subtota;		100.0%		64	91	156
MHDT (3 axle truck)	8.1%	100.0%	85.53%	177	30	207
HHDT (4+ axle truck)	21.5%	100.0%	99.01%	543	5	548
Total	100.0%			787	1763	2550

Vehicle Fleet for Light Logistics

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	76.6%	51.92%	0.28%	0	25	25
LDT1		7.84%	0.12%	0	4	4
LDT2		20.47%	0.05%	0	10	10
MDT		19.78%	0.08%	0	10	10
SubTotal		100.0%		0	49	49
LHDT1 (2 axle truck)	6.3%	86.25%	36.99%	1	2	3
LHDT2		13.75%	68.89%	0	0	1
Subtota;		100.0%		2	2	4
MHDT (3 axle truck)	4.7%	100.0%	85.53%	3	0	3
HHDT (4+ axle truck)	12.4%	100.0%	99.01%	8	0	8
Total	100.0%			12	52	64

Vehicle Fleet for Gas Compression

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	75.1%	51.92%	0.28%	0	9	9
LDT1		7.84%	0.12%	0	1	1
LDT2		20.47%	0.05%	0	4	4
MDT		19.78%	0.08%	0	3	3
SubTotal		100.0%		0	18	18
LHDT1 (2 axle truck)	12.5%	86.25%	36.99%	1	2	3
LHDT2		13.75%	68.89%	0	0	0
Subtota;		100.0%		1	2	3
MHDT (3 axle truck)	4.1%	100.0%	85.53%	1	0	1
HHDT (4+ axle truck)	8.3%	100.0%	99.01%	2	0	2
Total	100.0%			4	19	23

Vehicle Fleet for Fueling Station/Convenience Store

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Pk Hr Diesel Trips	Number of PK Hr Non-Diesel Trips	Total Number of Pk Hr Trips
LDA (Passenger Car)	45.7%	51.92%	0.28%	0	9	9
LDT1		7.84%	0.12%	0	1	1
LDT2		20.47%	0.05%	0	3	3
MDT		19.78%	0.08%	0	3	3
SubTotal		100.0%		0	16	16
LHDT1 (2 axle truck)	2.2%	86.25%	36.99%	0	0	1
LHDT2		13.75%	68.89%	0	0	0
Subtota;		100.0%		0	0	1
MHDT (3 axle truck)	8.7%	100.0%	85.53%	3	0	3
HHDT (4+ axle truck)	43.4%	100.0%	99.01%	15	0	16
Total	100.0%			19	17	36

Vehicle Summary (High Cube + Light Logistics + Gas Compressor + Fueling Station/Convennience Store)

Vehicle Class	Pk Hr Diesel Trips	Pk Hr Non Diesel Trips	Total Pk Hr Trips
LDA	2	892	895
LDT1	0	135	135
LDT2	0	352	353
MDT	0	340	341
LHDT1	52	89	141
LHDT2	15	7	22
MHDT	183	31	214
HHDT	568	6	574
Total	821	1852	2674

Trip Generation from PB 2012 Traffic Study
Vehicle Fleet Mix taken from EMFAC2011 for the SCAQMD in **2022** and the PB 2012 Traffic Study
% Diesel taken from EMAC2011 for the SCAQMD in **2022**

World Logistics Center 2022 Phase 1
Diesel Vehicle Emissions Nox

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions Nox Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/hr)	Pk Hr Emissions (lbs/hr)	Pk Hr Average Emissions (g/sec)	Total Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	LDA	15	0.363	2	950	0.59	5.09E-01	1.12E-03	1.41E-04	
	LDT1	15	0.438	0	950	0.59	4.12E-02	9.08E-05	1.15E-05	
	LDT2	15	0.434	0	950	0.59	4.22E-02	9.29E-05	1.17E-05	
	MDT	15	0.313	0	950	0.59	5.03E-02	1.11E-04	1.40E-05	
	LHDT1	15	2.375	50	950	0.59	6.96E+01	1.53E-01	1.93E-02	
	LHDT2	15	2.330	15	950	0.59	2.03E+01	4.46E-02	5.63E-03	
	MHDT	15	1.700	177	950	0.59	1.77E+02	3.90E-01	4.92E-02	
	HHDT	15	3.561	543	950	0.59	1.14E+03	2.51E+00	3.17E-01	
				787			1.41E+03	3.10E+00	3.91E-01	3.91E-01
Travel at Light Logistics	LDA	15	0.363	0	500	0.31	8.00E-03	1.76E-05	2.22E-06	
	LDT1	15	0.438	0	500	0.31	6.49E-04	1.43E-06	1.80E-07	
	LDT2	15	0.434	0	500	0.31	6.64E-04	1.46E-06	1.84E-07	
	MDT	15	0.313	0	500	0.31	7.92E-04	1.74E-06	2.20E-07	
	LHDT1	15	2.375	1	500	0.31	9.49E-01	2.09E-03	2.64E-04	
	LHDT2	15	2.330	0	500	0.31	2.76E-01	6.09E-04	7.68E-05	
	MHDT	15	1.700	3	500	0.31	1.36E+00	2.99E-03	3.77E-04	
	HHDT	15	3.561	8	500	0.31	8.69E+00	1.91E-02	2.41E-03	
				12			1.13E+01	2.49E-02	3.13E-03	3.13E-03
Travel at Gas Compressor	LDA	15	0.363	0	500	0.31	2.87E-03	6.33E-06	7.98E-07	
	LDT1	15	0.438	0	500	0.31	2.33E-04	5.13E-07	6.47E-08	
	LDT2	15	0.434	0	500	0.31	2.38E-04	5.25E-07	6.62E-08	
	MDT	15	0.313	0	500	0.31	2.84E-04	6.26E-07	7.90E-08	
	LHDT1	15	2.375	1	500	0.31	6.89E-01	1.52E-03	1.91E-04	
	LHDT2	15	2.330	0	500	0.31	2.01E-01	4.42E-04	5.58E-05	
	MHDT	15	1.700	1	500	0.31	4.34E-01	9.55E-04	1.20E-04	
	HHDT	15	3.561	2	500	0.31	2.13E+00	4.69E-03	5.91E-04	
							3.46E+00	7.61E-03	9.60E-04	9.60E-04
Travel at Refueling Station	LDA	15	0.363	0	100	0.06	5.37E-04	1.18E-06	1.49E-07	
	LDT1	15	0.438	0	100	0.06	4.35E-05	9.59E-08	1.21E-08	
	LDT2	15	0.434	0	100	0.06	4.46E-05	9.82E-08	1.24E-08	
	MDT	15	0.313	0	100	0.06	5.32E-05	1.17E-07	1.48E-08	
	LHDT1	15	2.375	0	100	0.06	3.73E-02	8.21E-05	1.04E-05	
	LHDT2	15	2.330	0	100	0.06	1.09E-02	2.39E-05	3.02E-06	
	MHDT	15	1.700	3	100	0.06	2.83E-01	6.23E-04	7.86E-05	
	HHDT	15	3.561	15	100	0.06	3.42E+00	7.54E-03	9.51E-04	
				19			3.75E+00	8.27E-03	1.04E-03	1.04E-03
Total - All Buildings	LDA			2			5.20E-01	1.15E-03	1.44E-04	
	LDT1			0			4.21E-02	9.28E-05	1.17E-05	
	LDT2			0			4.31E-02	9.50E-05	1.20E-05	
	MDT			0			5.15E-02	1.13E-04	1.43E-05	
	LHDT1			52			7.12E+01	1.57E-01	1.98E-02	
	LHDT2			15			2.07E+01	4.57E-02	5.76E-03	
	MHDT			183			1.79E+02	3.95E-01	4.98E-02	
	HHDT			568			1.15E+03	2.54E+00	3.21E-01	
	Total			821			1.43E+03	3.14E+00	3.96E-01	3.96E-01

Diesel truck Idling Emissions **Nox Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	**LHDT1**	15.451	15	25	9.58E+01	2.11E-01	2.66E-02	
	LHDT2	15.155	15	7	2.79E+01	6.15E-02	7.75E-03	
	MHDT	38.409	15	88	8.48E+02	1.87E+00	2.36E-01	
	HHDT	38.409	15	271	2.61E+03	5.74E+00	7.24E-01	
				392	3.58E+03	7.88E+00	9.94E-01	9.94E-01
Idle at Light Logistics	**LHDT1**	15.451	15	1	2.48E+00	5.47E-03	6.90E-04	
	LHDT2	15.155	15	0	7.24E-01	1.59E-03	2.01E-04	
	MHDT	38.409	15	1	1.24E+01	2.72E-02	3.43E-03	
	HHDT	38.409	15	4	3.77E+01	8.31E-02	1.05E-02	
				6	5.33E+01	1.17E-01	1.48E-02	1.48E-02
Idle at Gas Compressor	**LHDT1**	15.451	15	0	1.80E+00	3.97E-03	5.01E-04	
	LHDT2	15.155	15	0	5.26E-01	1.16E-03	1.46E-04	
	MHDT	38.409	15	0	3.94E+00	8.69E-03	1.10E-03	
	HHDT	38.409	15	1	9.24E+00	2.04E-02	2.57E-03	
				2	1.55E+01	3.42E-02	4.31E-03	4.31E-03
Idle at Fueling Station	**LHDT1**	15.451	15	0	4.88E-01	1.07E-03	1.36E-04	
	LHDT2	15.155	15	0	1.42E-01	3.13E-04	3.95E-05	
	MHDT	38.409	15	1	1.29E+01	2.83E-02	3.57E-03	
	HHDT	38.409	15	8	7.43E+01	1.64E-01	2.06E-02	
				9	8.78E+01	1.93E-01	2.44E-02	2.44E-02
TOTAL				409	3.73E+03	8.23E+00	1.04E+00	1.04E+00

World Logistics Center 2022 Phase 1
Non-Diesel Vehicle Emissions Nox

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions Nox Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/day)	Pk Hr Emissions (lbs/day)	Pk Hr Emissions (g/sec)	Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	0.082	849	950	0.59	4.09E+01	9.02E-02	1.14E-02	
	LDT1	15	0.198	128	950	0.59	1.50E+01	3.30E-02	4.16E-03	
	LDT2	15	0.122	335	950	0.59	2.41E+01	5.30E-02	6.69E-03	
	MDT	15	0.212	324	950	0.59	4.05E+01	8.92E-02	1.12E-02	
	LHDT1	15	0.198	85	950	0.59	9.86E+00	2.17E-02	2.74E-03	
	LHDT2	15	0.140	7	950	0.59	5.49E-01	1.21E-03	1.52E-04	
	MHDT	15	0.304	30	950	0.59	5.36E+00	1.18E-02	1.49E-03	
	HHDT	15	2.980	5	950	0.59	9.55E+00	2.10E-02	2.65E-03	
				1763			1.46E+02	3.21E-01	4.05E-02	4.05E-02
Travel at Light Logistics	LDA	15	0.082	25	500	0.31	6.44E-01	1.42E-03	1.79E-04	
	LDT1	15	0.198	4	500	0.31	2.36E-01	5.19E-04	6.55E-05	
	LDT2	15	0.122	10	500	0.31	3.79E-01	8.35E-04	1.05E-04	
	MDT	15	0.212	10	500	0.31	6.37E-01	1.40E-03	1.77E-04	
	LHDT1	15	0.198	2	500	0.31	1.35E-01	2.96E-04	3.74E-05	
	LHDT2	15	0.140	0	500	0.31	7.49E-03	1.65E-05	2.08E-06	
	MHDT	15	0.304	0	500	0.31	4.11E-02	9.05E-05	1.14E-05	
	HHDT	15	2.980	0	500	0.31	7.27E-02	1.60E-04	2.02E-05	
				52			2.15E+00	4.74E-03	5.98E-04	5.98E-04
Travel at Gas Compressor	LDA	15	0.082	9	500	0.31	2.31E-01	5.09E-04	6.42E-05	
	LDT1	15	0.198	1	500	0.31	8.46E-02	1.86E-04	2.35E-05	
	LDT2	15	0.122	4	500	0.31	1.36E-01	3.00E-04	3.78E-05	
	MDT	15	0.212	3	500	0.31	2.29E-01	5.04E-04	6.35E-05	
	LHDT1	15	0.198	2	500	0.31	9.77E-02	2.15E-04	2.71E-05	
	LHDT2	15	0.140	0	500	0.31	5.44E-03	1.20E-05	1.51E-06	
	MHDT	15	0.304	0	500	0.31	1.31E-02	2.89E-05	3.64E-06	
	HHDT	15	2.980	0	500	0.31	1.78E-02	3.93E-05	4.95E-06	
				19			8.15E-01	1.79E-03	2.26E-04	2.26E-04
Travel at Fueling Station	LDA	15	0.082	9	100	0.06	4.32E-02	9.52E-05	1.20E-05	
	LDT1	15	0.198	1	100	0.06	1.58E-02	3.48E-05	4.39E-06	
	LDT2	15	0.122	3	100	0.06	2.54E-02	5.60E-05	7.06E-06	
	MDT	15	0.212	3	100	0.06	4.28E-02	9.42E-05	1.19E-05	
	LHDT1	15	0.198	0	100	0.06	5.29E-03	1.16E-05	1.47E-06	
	LHDT2	15	0.140	0	100	0.06	2.94E-04	6.48E-07	8.17E-08	
	MHDT	15	0.304	0	100	0.06	8.55E-03	1.88E-05	2.38E-06	
	HHDT	15	2.980	0	100	0.06	2.86E-02	6.31E-05	7.96E-06	
				17			1.70E-01	3.75E-04	4.72E-05	4.72E-05
Total - All Buildings	LDA			892			4.19E+01	9.22E-02	1.16E-02	
	LDT1			135			1.53E+01	3.37E-02	4.25E-03	
	LDT2			352			2.46E+01	5.42E-02	6.84E-03	
	MDT			340			4.14E+01	9.12E-02	1.15E-02	
	LHDT1			89			1.01E+01	2.22E-02	2.81E-03	
	LHDT2			7			5.62E-01	1.24E-03	1.56E-04	
	MHDT			31			5.42E+00	1.19E-02	1.51E-03	
	HHDT			6			9.67E+00	2.13E-02	2.69E-03	
				1852			1.49E+02	3.28E-01	4.14E-02	4.14E-02

Non-Diesel truck Idling Emissions **Nox Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	**LHDT1**	0.804	15	42	8.50E+00	1.87E-02	2.36E-03	
	LHDT2	0.641	15	3	5.33E-01	1.17E-03	1.48E-04	
	MHDT	1.353	15	15	5.06E+00	1.11E-02	1.40E-03	
	HHDT	1.353	15	3	9.18E-01	2.02E-03	2.55E-04	
				63	1.50E+01	3.31E-02	4.17E-03	4.17E-03
Idle at Light Logistics	**LHDT1**	0.80	15	1	2.20E-01	4.85E-04	6.12E-05	
	LHDT2	0.64	15	0	1.38E-02	3.04E-05	3.84E-06	
	MHDT	1.35	15	0	7.36E-02	1.62E-04	2.05E-05	
	HHDT	1.35	15	0	1.33E-02	2.93E-05	3.69E-06	
				1	3.21E-01	7.07E-04	8.92E-05	8.92E-05
Idle at Gas Compressor	**LHDT1**	0.80	15	1	1.60E-01	3.53E-04	4.45E-05	
	LHDT2	0.64	15	0	1.00E-02	2.21E-05	2.79E-06	
	MHDT	1.35	15	0	2.35E-02	5.18E-05	6.53E-06	
	HHDT	1.35	15	0	3.26E-03	7.17E-06	9.05E-07	
				1	1.97E-01	4.34E-04	5.47E-05	5.47E-05
Idle at Fueling Station	**LHDT1**	0.804	15	0	4.33E-02	9.53E-05	1.20E-05	
	LHDT2	0.641	15	0	2.71E-03	5.98E-06	7.54E-07	
	MHDT	1.353	15	0	7.67E-02	1.69E-04	2.13E-05	
	HHDT	1.353	15	0	2.62E-02	5.76E-05	7.27E-06	
				1	1.49E-01	3.28E-04	4.13E-05	4.13E-05
TOTAL				66	1.57E+01	3.45E-02	4.35E-03	4.35E-03

World Logistics Center **2022** **Phase 2** Assumes MY2010 Diesel MHDT and HHDT
Nox Emissions

Emission Assumptions - Peak PM Hour

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for Nox emissions
c) Emissions calculated for 2022

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr):	24
Facility operations for All Others (hr):	24

World Logistics Center

2022 **Phase 2**

Total Peak Hour Vehicle Running Exhaust Emissions

			Pollutant	**Nox**
Travel to Building	**AERMOD Source ID**	**Diesel Vehicles (g/sec)**	**Non-Diesel Vehicles (g/sec)**	**Total (g/sec)**
High Cube	Phase 2	3.71E-01	3.84E-02	4.09E-01
Light Logistics	Phase 2	0.00E+00	0.00E+00	0.00E+00
Gas Compressor	Phase 2	0.00E+00	0.00E+00	0.00E+00
Fueling Station/Convenience Store	Phase 2	2.90E-04	1.31E-05	3.03E-04
Total		3.71E-01	3.84E-02	4.10E-01

Total Peak Hour Vehicle Idling Emission Sources

			Pollutant	**Nox**
Building	**AERMOD Source IDs**	**Diesel Vehicles Emissions (g/sec)**	**Non-Diesel Emissions (g/sec)**	**Total Emissions (g/sec)**
High Cube	Phase 2	9.42E-01	3.71E-03	9.46E-01
Light Logistics	Phase 2	0.00E+00	0.00E+00	0.00E+00
GasCompressor	Phase 2	0.00E+00	0.00E+00	0.00E+00
Fueling Station/Convenience Store	Phase 2	6.77E-03	9.48E-06	6.78E-03
Total		9.49E-01	3.72E-03	9.53E-01

Total Peak Hour Onsite Emission

Runing Exhaust	4.10E-01	
Idling Emissions	9.53E-01	
Total	1.36E+00	g/sec
Size of Area Source	4565134	m2
Area Emission Rate	**2.98E-07**	**g/m2-sec**
Weighted Release Ht (m)	3.91E+00	

World Logistics Center 2022 Phase 2
Diesel Vehicle Emissions Nox

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions Nox Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/hr)	Pk Hr Emissions (lbs/hr)	Pk Hr Average Emissions (g/sec)	Total Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	LDA	15	0.363	2	950	0.59	4.82E-01	1.06E-03	1.34E-04	
	LDT1	15	0.438	0	950	0.59	3.91E-02	8.61E-05	1.09E-05	
	LDT2	15	0.434	0	950	0.59	4.00E-02	8.81E-05	1.11E-05	
	MDT	15	0.313	0	950	0.59	4.77E-02	1.05E-04	1.33E-05	
	LHDT1	15	2.375	47	950	0.59	6.60E+01	1.45E-01	1.83E-02	
	LHDT2	15	2.330	14	950	0.59	1.92E+01	4.23E-02	5.34E-03	
	MHDT	15	1.700	168	950	0.59	1.68E+02	3.70E-01	4.67E-02	
	HHDT	15	3.561	515	950	0.59	1.08E+03	2.38E+00	3.00E-01	
				746			1.34E+03	2.94E+00	3.71E-01	3.71E-01
Travel at Light Logistics	LDA	15	0.363	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.438	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.434	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.313	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	2.375	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	2.330	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	1.700	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	3.561	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Gas Compressor	LDA	15	0.363	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.438	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.434	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.313	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	2.375	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	2.330	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	1.700	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	3.561	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
							0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Refueling Station	LDA	15	0.363	0	100	0.06	1.49E-04	3.29E-07	4.14E-08	
	LDT1	15	0.438	0	100	0.06	1.21E-05	2.66E-08	3.36E-09	
	LDT2	15	0.434	0	100	0.06	1.24E-05	2.73E-08	3.44E-09	
	MDT	15	0.313	0	100	0.06	1.48E-05	3.25E-08	4.10E-09	
	LHDT1	15	2.375	0	100	0.06	1.04E-02	2.28E-05	2.88E-06	
	LHDT2	15	2.330	0	100	0.06	3.02E-03	6.64E-06	8.38E-07	
	MHDT	15	1.700	1	100	0.06	7.86E-02	1.73E-04	2.18E-05	
	HHDT	15	3.561	4	100	0.06	9.51E-01	2.09E-03	2.64E-04	
				5			1.04E+00	2.30E-03	2.90E-04	2.90E-04
Total - All Buildings	LDA			2			4.82E-01	1.06E-03	1.34E-04	
	LDT1			0			3.91E-02	8.61E-05	1.09E-05	
	LDT2			0			4.00E-02	8.82E-05	1.11E-05	
	MDT			0			4.78E-02	1.05E-04	1.33E-05	
	LHDT1			47			6.60E+01	1.45E-01	1.83E-02	
	LHDT2			14			1.92E+01	4.23E-02	5.34E-03	
	MHDT			168			1.68E+02	3.70E-01	4.67E-02	
	HHDT			519			1.08E+03	2.38E+00	3.01E-01	
	Total			751			1.34E+03	2.94E+00	3.71E-01	3.71E-01

Diesel truck Idling Emissions **Nox Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	**LHDT1**	15.451	15	24	9.09E+01	2.00E-01	2.52E-02	
	LHDT2	15.155	15	7	2.65E+01	5.83E-02	7.35E-03	
	MHDT	38.409	15	84	8.04E+02	1.77E+00	2.23E-01	
	HHDT	38.409	15	257	2.47E+03	5.44E+00	6.86E-01	
				372	3.39E+03	7.47E+00	9.42E-01	9.42E-01
Idle at Light Logistics	**LHDT1**	15.451	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15.155	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	38.409	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	38.409	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Gas Compressor	**LHDT1**	15.451	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15.155	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	38.409	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	38.409	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Fueling Station	**LHDT1**	15.451	15	0	1.36E-01	2.99E-04	3.77E-05	
	LHDT2	15.155	15	0	3.95E-02	8.70E-05	1.10E-05	
	MHDT	38.409	15	0	3.57E+00	7.87E-03	9.92E-04	
	HHDT	38.409	15	2	2.06E+01	4.54E-02	5.73E-03	
				3	2.44E+01	5.37E-02	6.77E-03	6.77E-03
TOTAL				374	3.42E+03	7.53E+00	9.49E-01	9.49E-01

World Logistics Center 2022 Phase 2
Non-Diesel Vehicle Emissions Nox

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 1 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions Nox Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Pk Hr (in and out)	Trip Length (m)	Trip Length (mi)	Pk Hr Emissions Over Link (g/day)	Pk Hr Emissions (lbs/day)	Pk Hr Emissions (g/sec)	Pk Hr Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	0.082	805	950	0.59	3.88E+01	8.55E-02	1.08E-02	
	LDT1	15	0.198	122	950	0.59	1.42E+01	3.13E-02	3.95E-03	
	LDT2	15	0.122	318	950	0.59	2.28E+01	5.03E-02	6.34E-03	
	MDT	15	0.212	307	950	0.59	3.84E+01	8.46E-02	1.07E-02	
	LHDT1	15	0.198	80	950	0.59	9.35E+00	2.06E-02	2.60E-03	
	LHDT2	15	0.140	6	950	0.59	5.20E-01	1.15E-03	1.45E-04	
	MHDT	15	0.304	28	950	0.59	5.08E+00	1.12E-02	1.41E-03	
	HHDT	15	2.980	5	950	0.59	9.05E+00	1.99E-02	2.52E-03	
				1672			1.38E+02	3.05E-01	3.84E-02	3.84E-02
Travel at Light Logistics	LDA	15	0.082	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.198	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.122	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.212	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.198	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.140	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.304	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	2.980	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Gas Compressor	LDA	15	0.082	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.198	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.122	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.212	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.198	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.140	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.304	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	2.980	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Fueling Station	LDA	15	0.082	2	100	0.06	1.20E-02	2.65E-05	3.34E-06	
	LDT1	15	0.198	0	100	0.06	4.39E-03	9.68E-06	1.22E-06	
	LDT2	15	0.122	1	100	0.06	7.06E-03	1.56E-05	1.96E-06	
	MDT	15	0.212	1	100	0.06	1.19E-02	2.62E-05	3.30E-06	
	LHDT1	15	0.198	0	100	0.06	1.47E-03	3.23E-06	4.08E-07	
	LHDT2	15	0.140	0	100	0.06	8.17E-05	1.80E-07	2.27E-08	
	MHDT	15	0.304	0	100	0.06	2.38E-03	5.23E-06	6.60E-07	
	HHDT	15	2.980	0	100	0.06	7.96E-03	1.75E-05	2.21E-06	
				5			4.72E-02	1.04E-04	1.31E-05	1.31E-05
Total - All Buildings	LDA			807			3.88E+01	8.55E-02	1.08E-02	
	LDT1			122			1.42E+01	3.13E-02	3.95E-03	
	LDT2			319			2.28E+01	5.03E-02	6.35E-03	
	MDT			308			3.84E+01	8.46E-02	1.07E-02	
	LHDT1			80			9.35E+00	2.06E-02	2.60E-03	
	LHDT2			6			5.20E-01	1.15E-03	1.45E-04	
	MHDT			28			5.08E+00	1.12E-02	1.41E-03	
	HHDT			5			9.06E+00	2.00E-02	2.52E-03	
				1677			1.38E+02	3.05E-01	3.84E-02	3.84E-02

Non-Diesel truck Idling Emissions **Nox Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Pk Hr	Peak Hour Emissions (g/hr)	Peak Hour Emissions (lb/hr)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	**LHDT1**	0.804	15	40	8.06E+00	1.78E-02	2.24E-03	
	LHDT2	0.641	15	3	5.05E-01	1.11E-03	1.40E-04	
	MHDT	1.356	15	14	4.80E+00	1.06E-02	1.33E-03	
	HHDT	0.000	15	3	0.00E+00	0.00E+00	0.00E+00	
				60	1.34E+01	2.95E-02	3.71E-03	3.71E-03
Idle at Light Logistics	**LHDT1**	0.80	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	0.64	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	1.36	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.00	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Gas Compressor	**LHDT1**	0.80	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	0.64	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	1.36	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.00	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Fueling Station	**LHDT1**	0.804	15	0	1.20E-02	2.65E-05	3.34E-06	
	LHDT2	0.641	15	0	7.54E-04	1.66E-06	2.09E-07	
	MHDT	1.356	15	0	2.13E-02	4.70E-05	5.93E-06	
	HHDT	0.000	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	3.41E-02	7.52E-05	9.48E-06	9.48E-06
TOTAL				60	1.34E+01	2.95E-02	3.72E-03	3.72E-03

World Logistics Center **2022** **Nox** Based on PB Traffic Results 10/23/2012

Assumes MY2010 Diesel MHDT and HHDT

Project-ONLY Emissions **Phase 1 + Phase 2** NoR

Internal Roadway Circulation

Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Total Emissions (g/sec)	Weighted Release Ht (m)
1	6.09E-02	7.23E-03	6.81E-02	3.7
2	2.51E-01	2.36E-02	2.74E-01	3.7
3	1.80E-01	1.74E-02	1.98E-01	3.7
4	9.88E-03	6.17E-03	1.61E-02	2.8
5	1.78E-02	1.24E-02	3.02E-02	2.8
6	1.73E-01	1.87E-02	1.91E-01	3.7
7	2.05E-02	2.78E-03	2.33E-02	3.6
8	2.41E-02	1.94E-02	4.34E-02	2.7
11	5.22E-04	4.54E-04	9.75E-04	2.6
12	3.99E-03	1.34E-03	5.32E-03	3.2
14	2.50E-02	3.40E-03	2.84E-02	3.6
15	2.97E-02	3.92E-03	3.36E-02	3.7
18	1.52E-02	2.17E-03	1.74E-02	3.6
18a	4.62E-03	9.28E-04	5.55E-03	3.5
19	6.88E-02	6.18E-03	7.50E-02	3.8
20	8.83E-03	3.52E-03	1.23E-02	3.1
21	5.06E-02	8.92E-03	5.95E-02	3.5
22	5.37E-02	9.47E-03	6.32E-02	3.6
23	3.03E-02	4.01E-03	3.44E-02	3.6
24	6.05E-02	1.39E-02	7.44E-02	3.4
25	2.96E-02	4.30E-03	3.39E-02	3.6
26	2.80E-02	3.33E-03	3.13E-02	3.7
27	1.66E-02	2.04E-03	1.87E-02	3.7
28	4.06E-02	5.22E-03	4.58E-02	3.7
29	5.22E-02	5.38E-03	5.76E-02	3.7
30	2.13E-01	2.33E-02	2.37E-01	3.7
31	3.24E-02	1.27E-02	4.52E-02	3.2
		Total	1.72E+00	

World Logistics Center 2022
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011 @ All Speeds

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	22,213,285
LDT1-GAS	3,359,747
LDT2-GAS	8,776,768
MDT-GAS	8,478,946
LHDT1-GAS	1,438,460
LHDT2-GAS	113,224
MHDT-GAS	87,254
HHDT-GAS	21,705
Subtotal	44489389
DSL Vehicle Class	
LDA-DSL	62,127.77
LDT1-DSL	4,176.15
LDT2-DSL	4,311.57
MDT-DSL	7,126.31
LHDT1-DSL	844,299.02
LHDT2-DSL	250,743.90
MHDT-DSL	515,587.56
HHDT-DSL	2,169,783.95
Subtotal	3858156
Grand Total	48347545

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	22213285	62128	22275413	51.92%	99.7%	0.28%
LDT1		3359747	4176	3363924	7.84%	99.9%	0.12%
LDT2		8776768	4312	8781080	20.47%	100.0%	0.05%
MDT		8478946	7126	8486072	19.78%	99.9%	0.08%
Subtotal		42828746	77742	42906488	100.00%	99.8%	0.18%
LHDT1	Light Heavy Truck	1438460	844299	2282759	86.25%	63.0%	36.99%
LHDT2		113224	250744	363968	13.75%	31.1%	68.89%
Subtotal		1551684	1095043	2646727			
MHDT	Medium Heavy Truck	87254	515588	602841	100%	14.5%	85.53%
HHDT	Heavy Heavy Truck	21705	2169784	2191489	100%	1.0%	99.01%

World Logistics Center **2022** **Nox** **Phase 1 + Phase 2**

Project-ONLY Emissions
Internal Roadway Circulation

Project Operations: 1 hours/day

Vehicle Fleet Trips - Diesel (% Vehicle Class)

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.14%	0.01%	0.01%	0.02%	31.90%	9.47%	85.53%	99.01%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2_DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)
1	1749	1,197	41	123	387	327	0.203	2	0	0	0	13	4	106	383	508
2	3146	1,903	144	265	834	614	0.381	3	0	0	0	46	14	227	826	1116
3	1201	734	56	100	311	1181	0.734	1	0	0	0	18	5	85	308	418
4	450	394	18	31	7	934	0.580	1	0	0	0	6	2	26	7	41
5	796	699	31	59	6	1060	0.658	1	0	0	0	10	3	51	6	71
6	1284	826	53	105	299	1163	0.722	1	0	0	0	17	5	89	297	409
7	400	279	15	31	75	535	0.332	0	0	0	0	5	1	26	74	108
8	1146	1,012	47	86	0	1143	0.710	1	0	0	0	15	4	74	0	95
11	25	23	1	2	0	1201	0.746	0	0	0	0	0	0	1	0	2
12	109	77	17	15	0	824	0.512	0	0	0	0	6	2	13	0	20
14	289	197	18	20	53	897	0.557	0	0	0	0	6	2	17	53	78
15	393	239	58	27	68	734	0.456	0	0	0	0	19	6	23	67	115
18	211	145	12	17	36	780	0.485	0	0	0	0	4	1	15	36	56
18a	105	80	4	9	12	648	0.403	0	0	0	0	1	0	7	12	22
19	381	228	15	32	106	1347	0.837	0	0	0	0	5	1	27	105	139
20	230	196	7	16	11	1067	0.663	0	0	0	0	2	1	13	11	28
21	1001	744	38	80	139	664	0.412	1	0	0	0	12	4	69	138	224
22	1002	744	38	81	139	704	0.437	1	0	0	0	12	4	70	138	224
23	694	479	25	57	133	448	0.278	1	0	0	0	8	2	48	131	191
24	700	561	18	44	78	1443	0.896	1	0	0	0	6	2	38	77	123
25	1244	902	33	83	226	265	0.165	1	0	0	0	10	3	71	224	310
26	629	422	22	49	135	417	0.259	1	0	0	0	7	2	42	134	186
27	460	309	18	37	95	347	0.216	0	0	0	0	6	2	32	94	134
28	279	192	10	22	55	1459	0.906	0	0	0	0	3	1	19	55	78
29	773	500	22	57	194	564	0.350	1	0	0	0	7	2	49	192	251
30	860	566	26	65	203	2174	1.351	1	0	0	0	8	2	56	201	268
31	569	493	12	31	34	1563	0.971	1	0	0	0	4	1	26	33	65

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors (g/mi)

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.2841	0.3414	0.3401	0.2491	1.8819	1.8457	1.1520	2.4130
2	0.3269	0.3947	0.3906	0.2802	1.8142	1.7793	0.8170	1.7110
3	0.2903	0.3493	0.3473	0.2529	1.7198	1.6867	0.9450	1.9800
4	0.4104	0.4983	0.4892	0.3423	2.1994	2.1571	0.7710	2.0130

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	Total (g/sec)
1	1	2.78E-05	2.24E-06	2.31E-06	2.79E-06	1.40E-03	4.08E-04	6.86E-03	5.22E-02	6.09E-02
2	1	8.29E-05	6.70E-06	6.89E-06	8.34E-06	9.14E-03	2.66E-03	2.77E-02	2.11E-01	2.51E-01
3	1	6.15E-05	4.97E-06	5.11E-06	6.19E-06	6.81E-03	1.98E-03	2.00E-02	1.52E-01	1.80E-01
4	1	2.62E-05	2.11E-06	2.17E-06	2.63E-06	1.70E-03	4.94E-04	4.88E-03	2.77E-03	9.88E-03
5	1	5.26E-05	4.25E-06	4.37E-06	5.29E-06	3.42E-03	9.97E-04	1.07E-02	2.59E-03	1.78E-02
6	1	6.82E-05	5.51E-06	5.67E-06	6.86E-06	6.41E-03	1.87E-03	2.07E-02	1.44E-01	1.73E-01
7	1	1.06E-05	8.55E-07	8.79E-07	1.06E-06	8.55E-04	2.49E-04	2.80E-03	1.66E-02	2.05E-02
8	1	8.21E-05	6.64E-06	6.82E-06	8.26E-06	5.59E-03	1.63E-03	1.67E-02	0.00E+00	2.41E-02
11	1	1.92E-06	1.55E-07	1.60E-07	1.93E-07	1.48E-04	4.30E-05	3.29E-04	0.00E+00	5.22E-04
12	1	4.52E-06	3.65E-07	3.76E-07	4.55E-07	1.48E-03	4.32E-04	2.07E-03	0.00E+00	3.99E-03
14	1	1.25E-05	1.01E-06	1.04E-06	1.26E-06	1.72E-03	5.00E-04	3.05E-03	1.97E-02	2.50E-02
15	1	1.25E-05	1.01E-06	1.04E-06	1.25E-06	4.43E-03	1.29E-03	3.42E-03	2.05E-02	2.97E-02
18	1	8.05E-06	6.50E-07	6.69E-07	8.10E-07	1.00E-03	2.91E-04	2.32E-03	1.16E-02	1.52E-02
18a	1	3.68E-06	2.98E-07	3.06E-07	3.70E-07	2.73E-04	7.95E-05	9.62E-04	3.31E-03	4.62E-03
19	1	2.18E-05	1.76E-06	1.81E-06	2.19E-06	2.06E-03	5.99E-04	7.32E-03	5.88E-02	6.88E-02
20	1	1.48E-05	1.20E-06	1.23E-06	1.49E-06	8.06E-04	2.35E-04	2.81E-03	4.96E-03	8.83E-03
21	1	3.50E-05	2.83E-06	2.91E-06	3.52E-06	2.64E-03	7.69E-04	9.08E-03	3.80E-02	5.06E-02
22	1	3.72E-05	3.00E-06	3.09E-06	3.74E-06	2.80E-03	8.15E-04	9.74E-03	4.03E-02	5.37E-02
23	1	1.52E-05	1.23E-06	1.27E-06	1.53E-06	1.18E-03	3.44E-04	4.31E-03	2.45E-02	3.03E-02
24	1	5.74E-05	4.64E-06	4.77E-06	5.78E-06	2.66E-03	7.75E-04	1.09E-02	4.62E-02	6.05E-02
25	1	1.70E-05	1.37E-06	1.41E-06	1.71E-06	9.00E-04	2.62E-04	3.73E-03	2.47E-02	2.96E-02
26	1	1.25E-05	1.01E-06	1.04E-06	1.26E-06	9.63E-04	2.80E-04	3.48E-03	2.32E-02	2.80E-02
27	1	7.62E-06	6.15E-07	6.33E-07	7.66E-07	6.52E-04	1.90E-04	2.18E-03	1.36E-02	1.66E-02
28	1	1.99E-05	1.60E-06	1.65E-06	2.00E-06	1.49E-03	4.33E-04	5.44E-03	3.32E-02	4.06E-02
29	1	2.00E-05	1.62E-06	1.66E-06	2.01E-06	1.31E-03	3.81E-04	5.45E-03	4.50E-02	5.22E-02
30	1	8.74E-05	7.06E-06	7.26E-06	8.79E-06	5.84E-03	1.70E-03	2.41E-02	1.82E-01	2.13E-01
31	1	5.47E-05	4.42E-06	4.54E-06	5.50E-06	1.99E-03	5.80E-04	8.13E-03	2.17E-02	3.24E-02

World Logistics Center **2022** **Nox** **Phase 1 + Phase 2**
Project-ONLY Emissions
Internal Roadway Circulation

Project Operations: 1 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
51.77%	7.83%	20.46%	19.76%	54.35%	4.28%	14.47%	0.99%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2 GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	1749	1,197	41	123	387	327	0.203	620	94	245	237	22	2	18	4	1241
2	3146	1,903	144	265	834	614	0.381	985	149	389	376	78	6	38	8	2030
3	1201	734	56	100	311	1181	0.734	380	57	150	145	30	2	14	3	783
4	450	394	18	31	7	934	0.580	204	31	81	78	10	1	4	0	409
5	796	699	31	59	6	1060	0.658	362	55	143	138	17	1	9	0	725
6	1284	826	53	105	299	1163	0.722	428	65	169	163	29	2	15	3	874
7	400	279	15	31	75	535	0.332	144	22	57	55	8	1	4	1	292
8	1146	1,012	47	86	0	1143	0.710	524	79	207	200	26	2	12	0	1051
11	25	23	1	2	0	1201	0.746	12	2	5	4	1	0	0	0	23
12	109	77	17	15	0	824	0.512	40	6	16	15	9	1	2	0	89
14	289	197	18	20	53	897	0.557	102	15	40	39	10	1	3	1	211
15	393	239	58	27	68	734	0.456	124	19	49	47	32	2	4	1	277
18	211	145	12	17	36	780	0.485	75	11	30	29	7	1	3	0	155
18a	105	80	4	9	12	648	0.403	41	6	16	16	2	0	1	0	84
19	381	228	15	32	106	1347	0.837	118	18	47	45	8	1	5	1	242
20	230	196	7	16	11	1067	0.663	101	15	40	39	4	0	2	0	202
21	1001	744	38	80	139	664	0.412	385	58	152	147	21	2	12	1	778
22	1002	744	38	81	139	704	0.437	385	58	152	147	21	2	12	1	778
23	694	479	25	57	133	448	0.278	248	38	98	95	14	1	8	1	503
24	700	561	18	44	78	1443	0.896	290	44	115	111	10	1	6	1	577
25	1244	902	33	83	226	265	0.165	467	71	184	178	18	1	12	2	934
26	629	422	22	49	135	417	0.259	219	33	86	83	12	1	7	1	443
27	460	309	18	37	95	347	0.216	160	24	63	61	10	1	5	1	326
28	279	192	10	22	55	1459	0.906	99	15	39	38	5	0	3	1	201
29	773	500	22	57	194	564	0.350	259	39	102	99	12	1	8	2	522
30	860	566	26	65	203	2174	1.351	293	44	116	112	14	1	9	2	592
31	569	493	12	31	34	1563	0.971	255	39	101	97	7	1	4	0	504

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	0.0583	0.1365	0.0861	0.1485	0.1912	0.1522	0.3311	3.2480
2	0.0544	0.1326	0.0806	0.1409	0.2245	0.1911	0.4162	4.0827
3	0.0547	0.1296	0.0809	0.1400	0.2073	0.1650	0.3593	3.5245
4	0.0594	0.1527	0.0886	0.1576	0.2399	0.1911	0.4162	4.0827

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	2.04E-03	7.22E-04	1.19E-03	1.98E-03	2.42E-04	1.52E-05	3.34E-04	7.02E-04	7.23E-03
2	1	6.09E-03	2.16E-03	3.55E-03	5.92E-03	1.58E-03	9.92E-05	1.35E-03	2.84E-03	2.36E-02
3	1	4.51E-03	1.60E-03	2.63E-03	4.39E-03	1.18E-03	7.39E-05	9.75E-04	2.04E-03	1.74E-02
4	1	1.92E-03	6.80E-04	1.12E-03	1.87E-03	2.94E-04	1.84E-05	2.38E-04	3.73E-05	6.17E-03
5	1	3.86E-03	1.37E-03	2.25E-03	3.76E-03	5.93E-04	3.71E-05	5.22E-04	3.49E-05	1.24E-02
6	1	5.01E-03	1.77E-03	2.92E-03	4.87E-03	1.11E-03	6.95E-05	1.01E-03	1.93E-03	1.87E-02
7	1	7.77E-04	2.75E-04	4.53E-04	7.55E-04	1.48E-04	9.27E-06	1.36E-04	2.23E-04	2.78E-03
8	1	6.03E-03	2.13E-03	3.52E-03	5.86E-03	9.67E-04	6.06E-05	8.14E-04	0.00E+00	1.94E-02
11	1	1.41E-04	4.99E-05	8.23E-05	1.37E-04	2.55E-05	1.60E-06	1.60E-05	0.00E+00	4.54E-04
12	1	3.32E-04	1.17E-04	1.94E-04	3.23E-04	2.57E-04	1.61E-05	1.00E-04	0.00E+00	1.34E-03
14	1	9.19E-04	3.26E-04	5.36E-04	8.94E-04	2.97E-04	1.86E-05	1.48E-04	2.65E-04	3.40E-03
15	1	9.14E-04	3.24E-04	5.34E-04	8.89E-04	7.66E-04	4.80E-05	1.66E-04	2.77E-04	3.92E-03
18	1	5.91E-04	2.09E-04	3.45E-04	5.75E-04	1.73E-04	1.08E-05	1.13E-04	1.56E-04	2.17E-03
18a	1	2.70E-04	9.57E-05	1.58E-04	2.63E-04	4.73E-05	2.96E-06	4.68E-05	4.45E-05	9.28E-04
19	1	1.60E-03	5.67E-04	9.34E-04	1.56E-03	3.56E-04	2.23E-05	3.56E-04	7.92E-04	6.18E-03
20	1	1.09E-03	3.85E-04	6.35E-04	1.06E-03	1.39E-04	8.74E-06	1.37E-04	6.68E-05	3.52E-03
21	1	2.57E-03	9.11E-04	1.50E-03	2.50E-03	4.57E-04	2.86E-05	4.42E-04	5.12E-04	8.92E-03
22	1	2.73E-03	9.66E-04	1.59E-03	2.65E-03	4.85E-04	3.04E-05	4.74E-04	5.43E-04	9.47E-03
23	1	1.12E-03	3.96E-04	6.53E-04	1.09E-03	2.04E-04	1.28E-05	2.09E-04	3.30E-04	4.01E-03
24	1	4.21E-03	1.49E-03	2.46E-03	4.10E-03	4.60E-04	2.89E-05	5.28E-04	6.22E-04	1.39E-02
25	1	1.24E-03	4.41E-04	7.26E-04	1.21E-03	1.56E-04	9.77E-06	1.81E-04	3.33E-04	4.30E-03
26	1	9.17E-04	3.25E-04	5.35E-04	8.92E-04	1.67E-04	1.04E-05	1.70E-04	3.13E-04	3.33E-03
27	1	5.59E-04	1.98E-04	3.26E-04	5.44E-04	1.13E-04	7.07E-06	1.06E-04	1.83E-04	2.04E-03
28	1	1.46E-03	5.16E-04	8.50E-04	1.42E-03	2.57E-04	1.61E-05	2.65E-04	4.47E-04	5.22E-03
29	1	1.47E-03	5.20E-04	8.57E-04	1.43E-03	2.26E-04	1.42E-05	2.65E-04	6.06E-04	5.38E-03
30	1	6.41E-03	2.27E-03	3.74E-03	6.23E-03	1.01E-03	6.33E-05	1.17E-03	2.45E-03	2.33E-02
31	1	4.01E-03	1.42E-03	2.34E-03	3.90E-03	3.44E-04	2.16E-05	3.95E-04	2.92E-04	1.27E-02

World Logistics Center **2022** **Nox** Based on PB Traffic Results 10/23/2012

Internal Roadway Circulation

NONProject Emissions **Phase 1 + Phase 2** NoR

Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Total Emissions (g/sec)	Weighted Emission Ht (m)
1	0.00E+00	0.00E+00	0.00E+00	4.0E+00
2	0.00E+00	0.00E+00	0.00E+00	4.0E+00
3	0.00E+00	0.00E+00	0.00E+00	4.0E+00
4	0.00E+00	0.00E+00	0.00E+00	4.0E+00
5	3.33E-05	2.36E-03	2.39E-03	1.0E+00
6	0.00E+00	0.00E+00	0.00E+00	4.0E+00
7	9.78E-06	3.75E-07	1.02E-05	3.9E+00
8	2.67E-04	1.51E-03	1.78E-03	1.4E+00
11	2.49E-03	9.56E-03	1.20E-02	1.6E+00
12	8.31E-03	1.24E-02	2.07E-02	2.2E+00
14	2.38E-02	8.01E-03	3.18E-02	3.2E+00
15	2.42E-05	4.09E-03	4.12E-03	1.0E+00
18	7.77E-04	7.96E-04	1.57E-03	2.5E+00
18a	6.87E-04	6.62E-04	1.35E-03	2.5E+00
19	3.99E-05	3.12E-06	4.30E-05	3.8E+00
20	1.95E-05	7.48E-07	2.02E-05	3.9E+00
21	2.35E-04	1.66E-03	1.90E-03	1.4E+00
22	5.86E-04	9.94E-04	1.58E-03	2.1E+00
23	2.77E-04	9.36E-05	3.71E-04	3.2E+00
24	2.66E-04	1.73E-03	2.00E-03	1.4E+00
25	1.79E-04	5.25E-04	7.04E-04	1.8E+00
26	3.71E-04	6.41E-05	4.35E-04	3.6E+00
27	2.20E-05	1.63E-07	2.21E-05	4.0E+00
28	8.09E-04	1.79E-04	9.88E-04	3.5E+00
29	1.01E-02	6.42E-03	1.66E-02	2.8E+00
30	4.07E-02	2.69E-02	6.76E-02	2.8E+00
31	2.95E-03	2.65E-02	2.94E-02	1.3E+00
		Total	1.97E-01	

World Logistics Center 2022
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011 @ All Speeds

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	22,213,285
LDT1-GAS	3,359,747
LDT2-GAS	8,776,768
MDT-GAS	8,478,946
LHDT1-GAS	1,438,460
LHDT2-GAS	113,224
MHDT-GAS	87,254
HHDT-GAS	21,705
Subtotal	44489389
DSL Vehicle Class	
LDA-DSL	62,127.77
LDT1-DSL	4,176.15
LDT2-DSL	4,311.57
MDT-DSL	7,126.31
LHDT1-DSL	844,299.02
LHDT2-DSL	250,743.90
MHDT-DSL	515,587.56
HHDT-DSL	2,169,783.95
Subtotal	3858156
Grand Total	48347545

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	22213285	62128	22275413	51.92%	99.7%	0.28%
LDT1		3359747	4176	3363924	7.84%	99.9%	0.12%
LDT2		8776768	4312	8781080	20.47%	100.0%	0.05%
MDT		8478946	7126	8486072	19.78%	99.9%	0.08%
Subtotal		42828746	77742	42906488	100.00%	99.8%	0.18%
LHDT1	Light Heavy Truck	1438460	844299	2282759	86.25%	63.0%	36.99%
LHDT2		113224	250744	363968	13.75%	31.1%	68.89%
Subtotal		1551684	1095043	2646727			
MHDT	Medium Heavy Truck	87254	515588	602841	100%	14.5%	85.53%
HHDT	Heavy Heavy Truck	21705	2169784	2191489	100%	1.0%	99.01%

World Logistics Center **2022** **Nox** **Phase 1 + Phase 2**

NONProject- Emissions
Roadway Circulation

Project Operations: 1 hours/day

Vehicle Fleet Trips - Diesel (% Vehicle Class)

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.14%	0.01%	0.01%	0.02%	31.90%	9.47%	85.53%	99.01%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2_DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)	Roadway Width (m)
1	0	0	0	0	0	327	0.203	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	614	0.381	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	1181	0.734	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	934	0.580	0	0	0	0	0	0	0	0	0	
5	147	147	0	0	0	1060	0.658	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	1163	0.722	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0	
8	87	86	1	1	0	1143	0.710	0	0	0	0	0	0	1	0	1	
11	526	515	6	6	0	1201	0.746	1	0	0	0	2	1	5	0	8	
12	991	946	30	9	5	824	0.512	1	0	0	0	10	3	8	5	27	
14	608	549	18	13	29	897	0.557	1	0	0	0	6	2	11	28	48	
15	368	368	0	0	0	734	0.456	1	0	0	0	0	0	0	0	1	
18	68	65	1	1	1	780	0.485	0	0	0	0	0	0	1	1	2	
18a	68	65	1	1	1	648	0.403	0	0	0	0	0	0	1	1	2	
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0	
21	165	162	3	0	0	664	0.412	0	0	0	0	1	0	0	0	1	
22	94	92	1	1	1	704	0.437	0	0	0	0	0	0	1	1	2	
23	14	13	0	0	1	448	0.278	0	0	0	0	0	0	0	1	1	
24	79	78	1	1	0	1443	0.896	0	0	0	0	0	0	0	0	1	
25	131	130	0	0	1	265	0.165	0	0	0	0	0	0	0	1	1	
26	11	9	0	0	1	417	0.259	0	0	0	0	0	0	0	1	1	
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0	
28	9	8	0	0	1	1459	0.906	0	0	0	0	0	0	0	1	1	
29	746	677	55	0	14	564	0.350	1	0	0	0	18	5	0	14	38	
30	813	742	56	0	15	2174	1.351	1	0	0	0	18	5	0	15	39	
31	1114	1,101	13	0	0	1563	0.971	2	0	0	0	4	1	0	0	8	

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors (g/mi)

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.2841	0.3414	0.3401	0.2491	1.8819	1.8457	1.4609	4.3702
2	0.3269	0.3947	0.3906	0.2802	1.8142	1.7793	1.0475	3.1428
3	0.2903	0.3493	0.3473	0.2529	1.7198	1.6867	1.2053	3.6111
4	0.4104	0.4983	0.4892	0.3423	2.1994	2.1571	0.9873	2.9655

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	Total (g/sec)
1	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	1	1.10E-05	8.92E-07	9.17E-07	1.11E-06	0.00E+00	0.00E+00	1.94E-05	0.00E+00	3.33E-05
6	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-06	0.00E+00	9.78E-06
8	1	6.98E-06	5.64E-07	5.80E-07	7.03E-07	7.02E-05	2.05E-05	1.67E-04	0.00E+00	2.67E-04
11	1	4.39E-05	3.54E-06	3.65E-06	4.41E-06	7.27E-04	2.12E-04	1.49E-03	0.00E+00	2.49E-03
12	1	5.53E-05	4.47E-06	4.60E-06	5.57E-06	2.58E-03	7.50E-04	1.58E-03	3.34E-03	8.31E-03
14	1	3.50E-05	2.83E-06	2.91E-06	3.52E-06	1.65E-03	4.79E-04	2.47E-03	1.91E-02	2.38E-02
15	1	1.92E-05	1.55E-06	1.59E-06	1.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05
18	1	3.62E-06	2.93E-07	3.01E-07	3.64E-07	6.16E-05	1.80E-05	2.00E-04	4.94E-04	7.77E-04
18a	1	3.01E-06	2.43E-07	2.50E-07	3.03E-07	5.12E-05	1.49E-05	1.66E-04	4.51E-04	6.87E-04
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	3.44E-06	2.46E-05	0.00E+00	3.99E-05
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	1.95E-05
21	1	7.64E-06	6.18E-07	6.35E-07	7.69E-07	1.75E-04	5.09E-05	0.00E+00	0.00E+00	2.35E-04
22	1	4.58E-06	3.70E-07	3.80E-07	4.60E-07	4.94E-05	1.44E-05	1.16E-04	4.01E-04	5.86E-04
23	1	4.23E-07	3.42E-08	3.52E-08	4.26E-08	3.93E-06	1.15E-06	1.64E-05	2.55E-04	2.77E-04
24	1	8.02E-06	6.48E-07	6.66E-07	8.07E-07	7.60E-05	2.21E-05	1.58E-04	0.00E+00	2.66E-04
25	1	2.45E-06	1.98E-07	2.04E-07	2.47E-07	2.33E-06	6.78E-07	4.84E-06	1.68E-04	1.79E-04
26	1	2.81E-07	2.27E-08	2.33E-08	2.83E-08	3.66E-06	1.07E-06	2.29E-05	3.43E-04	3.71E-04
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-05	2.20E-05
28	1	7.90E-07	6.38E-08	6.56E-08	7.94E-08	1.28E-05	3.73E-06	5.33E-05	7.39E-04	8.09E-04
29	1	2.71E-05	2.19E-06	2.25E-06	2.73E-06	3.21E-03	9.36E-04	0.00E+00	5.96E-03	1.01E-02
30	1	1.14E-04	9.25E-06	9.51E-06	1.15E-05	1.26E-02	3.66E-03	0.00E+00	2.43E-02	4.07E-02
31	1	1.22E-04	9.86E-06	1.01E-05	1.23E-05	2.17E-03	6.31E-04	0.00E+00	0.00E+00	2.95E-03

World Logistics Center **2022** **Nox** **Phase 1 + Phase 2**
NONProject Emissions
Roadway Circulation

Project Operations: 1 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
51.77%	7.83%	20.46%	19.76%	54.35%	4.28%	14.47%	0.99%

Vehicle Trips

Roadway Segment	Total Pk Hr Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2 GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	0	0	0	0	0	327	0.203	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	614	0.381	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	1181	0.734	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	934	0.580	0	0	0	0	0	0	0	0	0
5	147	147	0	0	0	1060	0.658	76	11	30	29	0	0	0	0	146
6	0	0	0	0	0	1163	0.722	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	535	0.332	0	0	0	0	0	0	0	0	0
8	87	86	1	1	0	1143	0.710	45	7	18	17	0	0	0	0	86
11	526	515	6	6	0	1201	0.746	266	40	105	102	3	0	1	0	518
12	991	946	30	9	5	824	0.512	490	74	194	187	16	1	1	0	964
14	608	549	18	13	29	897	0.557	284	43	112	109	10	1	2	0	561
15	368	368	0	0	0	734	0.456	190	29	75	73	0	0	0	0	367
18	68	65	1	1	1	780	0.485	34	5	13	13	0	0	0	0	66
18a	68	65	1	1	1	648	0.403	34	5	13	13	0	0	0	0	66
19	0	0	0	0	0	1347	0.837	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	165	162	3	0	0	664	0.412	84	13	33	32	1	0	0	0	163
22	94	92	1	1	1	704	0.437	47	7	19	18	0	0	0	0	92
23	14	13	0	0	1	448	0.278	7	1	3	3	0	0	0	0	13
24	79	78	1	1	0	1443	0.896	41	6	16	15	0	0	0	0	79
25	131	130	0	0	1	265	0.165	67	10	27	26	0	0	0	0	130
26	11	9	0	0	1	417	0.259	5	1	2	2	0	0	0	0	10
27	0	0	0	0	0	347	0.216	0	0	0	0	0	0	0	0	0
28	9	8	0	0	1	1459	0.906	4	1	2	2	0	0	0	0	8
29	746	677	55	0	14	564	0.350	351	53	139	134	30	2	0	0	708
30	813	742	56	0	15	2174	1.351	384	58	152	147	30	2	0	0	773
31	1114	1,101	13	0	0	1563	0.971	570	86	225	217	7	1	0	0	1106

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	0.0583	0.1365	0.0861	0.1485	0.1912	0.1522	0.3311	3.2480
2	0.0544	0.1326	0.0806	0.1409	0.2245	0.1911	0.4162	4.0827
3	0.0547	0.1296	0.0809	0.1400	0.2073	0.1650	0.3593	3.5245
4	0.0594	0.1527	0.0886	0.1576	0.2399	0.1911	0.4162	4.0827

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	1	8.10E-04	2.87E-04	4.73E-04	7.88E-04	0.00E+00	0.00E+00	7.43E-07	0.00E+00	2.36E-03
6	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	0.00E+00	3.75E-07
8	1	5.13E-04	1.82E-04	2.99E-04	4.98E-04	1.22E-05	7.62E-07	6.41E-06	0.00E+00	1.51E-03
11	1	3.22E-03	1.14E-03	1.88E-03	3.13E-03	1.26E-04	7.89E-06	5.72E-05	0.00E+00	9.56E-03
12	1	4.06E-03	1.44E-03	2.37E-03	3.95E-03	4.46E-04	2.79E-05	6.06E-05	2.48E-05	1.24E-02
14	1	2.57E-03	9.09E-04	1.50E-03	2.50E-03	2.85E-04	1.79E-05	9.49E-05	1.42E-04	8.01E-03
15	1	1.41E-03	4.98E-04	8.21E-04	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-03
18	1	2.66E-04	9.41E-05	1.55E-04	2.58E-04	1.07E-05	6.68E-07	7.65E-06	3.67E-06	7.96E-04
18a	1	2.21E-04	7.82E-05	1.29E-04	2.15E-04	8.86E-06	5.55E-07	6.36E-06	3.35E-06	6.62E-04
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-06	1.28E-07	9.44E-07	0.00E+00	3.12E-06
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-07	0.00E+00	7.48E-07
21	1	5.61E-04	1.99E-04	3.27E-04	5.46E-04	3.03E-05	1.90E-06	0.00E+00	0.00E+00	1.66E-03
22	1	3.36E-04	1.19E-04	1.96E-04	3.27E-04	8.56E-06	5.36E-07	4.44E-06	2.98E-06	9.94E-04
23	1	3.10E-05	1.10E-05	1.81E-05	3.02E-05	6.81E-07	4.27E-08	6.28E-07	1.90E-06	9.36E-05
24	1	5.88E-04	2.08E-04	3.43E-04	5.72E-04	1.32E-05	8.24E-07	6.07E-06	0.00E+00	1.73E-03
25	1	1.80E-04	6.37E-05	1.05E-04	1.75E-04	4.03E-07	2.52E-08	1.86E-07	1.25E-06	5.25E-04
26	1	2.06E-05	7.30E-06	1.20E-05	2.00E-05	6.34E-07	3.97E-08	8.77E-07	2.55E-06	6.41E-05
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-07	1.63E-07
28	1	5.80E-05	2.05E-05	3.38E-05	5.64E-05	2.22E-06	1.39E-07	2.05E-06	5.49E-06	1.79E-04
29	1	1.99E-03	7.05E-04	1.16E-03	1.93E-03	5.56E-04	3.49E-05	0.00E+00	4.43E-05	6.42E-03
30	1	8.40E-03	2.98E-03	4.90E-03	8.17E-03	2.17E-03	1.36E-04	0.00E+00	1.81E-04	2.69E-02
31	1	8.96E-03	3.17E-03	5.23E-03	8.71E-03	3.75E-04	2.35E-05	0.00E+00	0.00E+00	2.65E-02

World Logistics Center **2022** **Phase 1** Assumes MY2010 for Diesel MHDT and HHDT
PM10 Emissions

Emission Assumptions

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for PM10 emissions
c) Emissions calculated for 2022

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr):	24
Facility operations for All Others (hr):	24

World Logistics Center

2022 **Phase 1**

Vehicle Running Exhaust Emissions **Pollutant** **PM10**

Travel to Building	**AERMOD Source ID**	**Diesel Vehicles (g/sec)**	**Non-Diesel Vehicles (g/sec)**	**Total (g/sec)**
High Cube	Phase 1	6.82E-03	1.01E-02	1.69E-02
Light Logistics	Phase 1	6.45E-05	1.08E-04	1.72E-04
Gas Compressor	Phase 1	2.12E-05	3.75E-05	5.87E-05
Fueling Station	Phase 1	2.45E-05	8.99E-06	3.35E-05
Total		6.94E-03	1.02E-02	1.72E-02

Vehicle Idling Emission Sources **Pollutant** **PM10**

Building	**AERMOD Source IDs**	**Diesel Vehicles Emissions (g/sec)**	**Non-Diesel Emissions (g/sec)**	**Total Emissions (g/sec)**
High Cube	Phase 1	1.09E-03	1.92E-05	1.11E-03
Light Logistics	Phase 1	2.13E-05	5.70E-07	2.19E-05
GasCompressor	Phase 1	9.21E-06	4.33E-07	9.64E-06
Fueling Station	Phase 1	3.35E-05	1.21E-07	3.36E-05
Total		1.15E-03	2.04E-05	1.17E-03

Total Onsite Emission

Runing Exhaust	1.72E-02	
Idling Emissions	1.17E-03	
Total	1.83E-02	g/sec
Size of Area Source	4600443	m2
Area Emission Rate	**3.98E-09**	**g/m2-sec**
Weighted Emission Ht (m)	2.32E+00	

World Logistics Center 2022 Phase 1
Diesel Vehicle Emissions PM10

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 24 **hrs/day, 52weeks/year**

Onsite Running Exhaust Emissions **PM10 Emissions**

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	**LDA**	15	0.062	41	950	0.59	1.50E+00	3.31E-03	1.74E-05	
	LDT1	15	0.090	3	950	0.59	1.47E-01	3.25E-04	1.71E-06	
	LDT2	15	0.070	3	950	0.59	1.18E-01	2.60E-04	1.37E-06	
	MDT	15	0.067	5	950	0.59	1.86E-01	4.09E-04	2.15E-06	
	LHDT1	15	0.131	399	950	0.59	3.08E+01	6.78E-02	3.57E-04	
	LHDT2	15	0.144	118	950	0.59	1.00E+01	2.21E-02	1.16E-04	
	MHDT	15	0.174	1405	950	0.59	1.44E+02	3.17E-01	1.67E-03	
	HHDT	15	0.157	4348	950	0.59	4.03E+02	8.87E-01	4.66E-03	
				6321			5.90E+02	1.30E+00	6.82E-03	6.82E-03
Travel at Light Logistics	**LDA**	15	0.062	1	500	0.31	1.59E-02	3.51E-05	1.84E-07	
	LDT1	15	0.090	0	500	0.31	1.56E-03	3.44E-06	1.81E-08	
	LDT2	15	0.070	0	500	0.31	1.25E-03	2.76E-06	1.45E-08	
	MDT	15	0.067	0	500	0.31	1.97E-03	4.33E-06	2.28E-08	
	LHDT1	15	0.131	12	500	0.31	4.80E-01	1.06E-03	5.56E-06	
	LHDT2	15	0.144	4	500	0.31	1.56E-01	3.44E-04	1.81E-06	
	MHDT	15	0.174	27	500	0.31	1.48E+00	3.26E-03	1.71E-05	
	HHDT	15	0.157	70	500	0.31	3.44E+00	7.57E-03	3.98E-05	
				114			5.57E+00	1.23E-02	6.45E-05	6.45E-05
Travel at Gas Compressor	**LDA**	15	0.062	0	500	0.31	5.30E-03	1.17E-05	6.14E-08	
	LDT1	15	0.090	0	500	0.31	5.20E-04	1.15E-06	6.02E-09	
	LDT2	15	0.070	0	500	0.31	4.17E-04	9.18E-07	4.83E-09	
	MDT	15	0.067	0	500	0.31	6.55E-04	1.44E-06	7.58E-09	
	LHDT1	15	0.131	9	500	0.31	3.65E-01	8.03E-04	4.22E-06	
	LHDT2	15	0.144	3	500	0.31	1.19E-01	2.62E-04	1.37E-06	
	MHDT	15	0.174	5	500	0.31	2.96E-01	6.52E-04	3.43E-06	
	HHDT	15	0.157	21	500	0.31	1.05E+00	2.31E-03	1.21E-05	
							1.83E+00	4.04E-03	2.12E-05	2.12E-05
Travel at Refueling Station	**LDA**	15	0.062	0	100	0.06	1.33E-03	2.93E-06	1.54E-08	
	LDT1	15	0.090	0	100	0.06	1.30E-04	2.87E-07	1.51E-09	
	LDT2	15	0.070	0	100	0.06	1.04E-04	2.30E-07	1.21E-09	
	MDT	15	0.067	0	100	0.06	1.64E-04	3.62E-07	1.90E-09	
	LHDT1	15	0.131	3	100	0.06	2.05E-02	4.51E-05	2.37E-07	
	LHDT2	15	0.144	1	100	0.06	6.66E-03	1.47E-05	7.71E-08	
	MHDT	15	0.174	31	100	0.06	3.34E-01	7.36E-04	3.87E-06	
	HHDT	15	0.157	180	100	0.06	1.75E+00	3.86E-03	2.03E-05	
				214						2.45E-05
Total - All Buildings	**LDA**			43			1.53E+00	3.36E-03	1.77E-05	
	LDT1			3			1.50E-01	3.30E-04	1.73E-06	
	LDT2			3			1.20E-01	2.64E-04	1.39E-06	
	MDT			5			1.89E-01	4.15E-04	2.18E-06	
	LHDT1			422			3.17E+01	6.98E-02	3.67E-04	
	LHDT2			125			1.03E+01	2.27E-02	1.19E-04	
	MHDT			1468			1.46E+02	3.22E-01	1.69E-03	
	HHDT			4619			4.09E+02	9.01E-01	4.73E-03	
	Total			6688			5.99E+02	1.32E+00	6.94E-03	6.94E-03

Diesel truck Idling Emissions **PM10 Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Peak Hour Emissions (g/day)	Peak Hour Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	**LHDT1**	0.306	15	199	1.53E+01	3.36E-02	1.77E-04	
	LHDT2	0.303	15	59	4.49E+00	9.88E-03	5.19E-05	
	MHDT	0.090	15	702	1.59E+01	3.49E-02	1.83E-04	
	HHDT	0.108	15	2174	5.86E+01	1.29E-01	6.78E-04	
				3135	9.42E+01	2.07E-01	1.09E-03	1.09E-03
Idle at Light Logistics	**LHDT1**	0.306	15	6	4.52E-01	9.96E-04	5.23E-06	
	LHDT2	0.303	15	2	1.33E-01	2.93E-04	1.54E-06	
	MHDT	0.090	15	14	3.09E-01	6.81E-04	3.58E-06	
	HHDT	0.108	15	35	9.50E-01	2.09E-03	1.10E-05	
				57	1.84E+00	4.06E-03	2.13E-05	2.13E-05
Idle at Gas Compressor	**LHDT1**	0.306	15	4	3.43E-01	7.56E-04	3.97E-06	
	LHDT2	0.303	15	1	1.01E-01	2.22E-04	1.17E-06	
	MHDT	0.090	15	3	6.19E-02	1.36E-04	7.16E-07	
	HHDT	0.108	15	11	2.90E-01	6.38E-04	3.35E-06	
				19	7.96E-01	1.75E-03	9.21E-06	9.21E-06
Idle at Fueling Station	**LHDT1**	0.306	15	1	9.63E-02	2.12E-04	1.11E-06	
	LHDT2	0.303	15	0	2.83E-02	6.24E-05	3.28E-07	
	MHDT	0.090	15	15	3.49E-01	7.70E-04	4.04E-06	
	HHDT	0.108	15	90	2.42E+00	5.33E-03	2.80E-05	
				107	2.89E+00	6.38E-03	3.35E-05	3.35E-05
TOTAL				3317	9.97E+01	2.20E-01	1.15E-03	1.15E-03

World Logistics Center 2022 Phase 1
Non-Diesel Vehicle Emissions PM10

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 24 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions PM10 Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	0.050	14712	950	0.59	4.33E+02	9.53E-01	5.01E-03	
	LDT1	15	0.052	2225	950	0.59	6.88E+01	1.51E-01	7.96E-04	
	LDT2	15	0.050	5813	950	0.59	1.71E+02	3.77E-01	1.98E-03	
	MDT	15	0.050	5616	950	0.59	1.66E+02	3.66E-01	1.93E-03	
	LHDT1	15	0.052	679	950	0.59	2.10E+01	4.62E-02	2.43E-04	
	LHDT2	15	0.046	53	950	0.59	1.47E+00	3.23E-03	1.70E-05	
	MHDT	15	0.046	238	950	0.59	6.48E+00	1.43E-02	7.51E-05	
	HHDT	15	0.046	43	950	0.59	1.17E+00	2.59E-03	1.36E-05	
				29379			8.69E+02	1.91E+00	1.01E-02	1.01E-02
Travel at Light Logistics	LDA	15	0.050	296	500	0.31	4.58E+00	1.01E-02	5.31E-05	
	LDT1	15	0.052	45	500	0.31	7.28E-01	1.60E-03	8.43E-06	
	LDT2	15	0.050	117	500	0.31	1.81E+00	3.99E-03	2.10E-05	
	MDT	15	0.050	113	500	0.31	1.76E+00	3.88E-03	2.04E-05	
	LHDT1	15	0.052	20	500	0.31	3.27E-01	7.21E-04	3.79E-06	
	LHDT2	15	0.046	2	500	0.31	2.28E-02	5.03E-05	2.64E-07	
	MHDT	15	0.046	5	500	0.31	6.66E-02	1.47E-04	7.71E-07	
	HHDT	15	0.046	1	500	0.31	1.00E-02	2.21E-05	1.16E-07	
				598			9.31E+00	2.05E-02	1.08E-04	1.08E-04
Travel at Gas Compressor	LDA	15	0.050	99	500	0.31	1.53E+00	3.36E-03	1.77E-05	
	LDT1	15	0.052	15	500	0.31	2.42E-01	5.34E-04	2.81E-06	
	LDT2	15	0.050	39	500	0.31	6.04E-01	1.33E-03	6.99E-06	
	MDT	15	0.050	38	500	0.31	5.87E-01	1.29E-03	6.79E-06	
	LHDT1	15	0.052	15	500	0.31	2.48E-01	5.47E-04	2.88E-06	
	LHDT2	15	0.046	1	500	0.31	1.73E-02	3.82E-05	2.01E-07	
	MHDT	15	0.046	1	500	0.31	1.33E-02	2.93E-05	1.54E-07	
	HHDT	15	0.046	0	500	0.31	3.05E-03	6.73E-06	3.53E-08	
				208			3.24E+00	7.14E-03	3.75E-05	3.75E-05
Travel at Fueling Station	LDA	15	0.050	123	100	0.06	3.82E-01	8.42E-04	4.43E-06	
	LDT1	15	0.052	19	100	0.06	6.07E-02	1.34E-04	7.03E-07	
	LDT2	15	0.050	49	100	0.06	1.51E-01	3.33E-04	1.75E-06	
	MDT	15	0.050	47	100	0.06	1.47E-01	3.24E-04	1.70E-06	
	LHDT1	15	0.052	4	100	0.06	1.39E-02	3.07E-05	1.61E-07	
	LHDT2	15	0.046	0	100	0.06	9.74E-04	2.14E-06	1.13E-08	
	MHDT	15	0.046	5	100	0.06	1.50E-02	3.31E-05	1.74E-07	
	HHDT	15	0.046	2	100	0.06	5.11E-03	1.12E-05	5.91E-08	
				250			7.76E-01	1.71E-03	8.99E-06	8.99E-06
Total - All Buildings	LDA			15230			4.39E+02	9.68E-01	5.09E-03	
	LDT1			2304			6.98E+01	1.54E-01	8.08E-04	
	LDT2			6018			1.74E+02	3.83E-01	2.01E-03	
	MDT			5813			1.69E+02	3.72E-01	1.95E-03	
	LHDT1			719			2.16E+01	4.75E-02	2.50E-04	
	LHDT2			57			1.51E+00	3.32E-03	1.74E-05	
	MHDT			248			6.58E+00	1.45E-02	7.62E-05	
	HHDT			46			1.19E+00	2.63E-03	1.38E-05	
				30435			8.83E+02	1.94E+00	1.02E-02	1.02E-02

Non-Diesel truck Idling Emissions **PM10 Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Peak Hour Emissions (g/day)	Peak Hour Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	**LHDT1**	0.019	15	340	1.57E+00	3.46E-03	1.82E-05	
	LHDT2	0.013	15	27	8.94E-02	1.97E-04	1.04E-06	
	MHDT	0.000	15	119	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.000	15	22	0.00E+00	0.00E+00	0.00E+00	
				507	1.66E+00	3.66E-03	1.92E-05	1.92E-05
Idle at Light Logistics	**LHDT1**	0.02	15	10	4.66E-02	1.03E-04	5.39E-07	
	LHDT2	0.01	15	1	2.65E-03	5.84E-06	3.07E-08	
	MHDT	0.00	15	2	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.00	15	0	0.00E+00	0.00E+00	0.00E+00	
				14	4.92E-02	1.08E-04	5.70E-07	5.70E-07
Idle at Gas Compressor	**LHDT1**	0.02	15	8	3.54E-02	7.79E-05	4.09E-07	
	LHDT2	0.01	15	1	2.01E-03	4.43E-06	2.33E-08	
	MHDT	0.00	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.00	15	0	0.00E+00	0.00E+00	0.00E+00	
				9	3.74E-02	8.24E-05	4.33E-07	4.33E-07
Idle at Fueling Station	**LHDT1**	0.019	15	2	9.93E-03	2.19E-05	1.15E-07	
	LHDT2	0.013	15	0	5.65E-04	1.24E-06	6.53E-09	
	MHDT	0.000	15	3	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.000	15	1	0.00E+00	0.00E+00	0.00E+00	
				6	1.05E-02	2.31E-05	1.21E-07	1.21E-07
TOTAL				535	1.76E+00	3.87E-03	2.04E-05	2.04E-05

World Logistics Center **2022** **Phase 2** Assumes MY2010 for Diesel MHDT and HHDT
PM10 Emissions

Emission Assumptions

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for PM10 emissions
c) Emissions calculated for 2022

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr):	24
Facility operations for All Others (hr):	24

World Logistics Center

2022 **Phase 2**

Vehicle Running Exhaust Emissions **Pollutant** **PM10**

Travel to Building	**AERMOD Source ID**	**Diesel Vehicles (g/sec)**	**Non-Diesel Vehicles (g/sec)**	**Total (g/sec)**
High Cube	Phase 2	6.47E-03	9.54E-03	1.60E-02
Light Logistics	Phase 2	0.00E+00	0.00E+00	0.00E+00
Gas Compressor	Phase 2	0.00E+00	0.00E+00	0.00E+00
Fueling Station	Phase 2	5.80E-06	2.13E-06	7.93E-06
Total		6.48E-03	9.54E-03	1.60E-02

Vehicle Idling Emission Sources **Pollutant** **PM10**

Building	**AERMOD Source IDs**	**Diesel Vehicles Emissions (g/sec)**	**Non-Diesel Emissions (g/sec)**	**Total Emissions (g/sec)**
High Cube	Phase 2	1.03E-03	2.34E-05	1.06E-03
Light Logistics	Phase 2	0.00E+00	0.00E+00	0.00E+00
GasCompressor	Phase 2	0.00E+00	0.00E+00	0.00E+00
Fueling Station	Phase 2	7.94E-06	6.11E-08	8.00E-06
Total		1.04E-03	2.35E-05	1.07E-03

Total Onsite Emission

Runing Exhaust	1.60E-02	
Idling Emissions	1.07E-03	
Total	1.71E-02	g/sec
Size of Area Source	4565134	m2
Area Emission Rate	**3.74E-09**	**g/m2-sec**
Weighted Emission Height (m)	2.32E+00	

World Logistics Center **2022** **Phase 2**

Vehicle Fleet Mix

	Building Size (sq-ft)
High Cube Warehouse	20150000
Light Logistics	0
Compression Station	0
Fueling Station/Convenience Store	0
	20,150,000

Trip Generation

	trips/day (Non-PCE)	Source
High Cube Warehouse	33852	<---- PB 2012 (100512)
Light Logistics	0	
Compression Station	0	
Fueling Station/Convenience Store	110	
Total	33962	

Vehicle Fleet for High Cube Warehouse

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	79.6%	51.92%	0.28%	39	13950	13989
LDT1		7.84%	0.12%	3	2110	2113
LDT2		20.47%	0.05%	3	5512	5515
MDT		19.78%	0.08%	4	5325	5329
SubTotal		100.0%		49	26897	26946
LHDT1 (2 axle truck)	3.5%	86.25%	36.99%	378	644	1022
LHDT2		13.75%	68.89%	112	51	163
Subtota;		100.0%		490	695	1185
MHDT (3 axle truck)	4.6%	100.0%	85.53%	1332	225	1557
HHDT (4+ axle truck)	12.3%	100.0%	99.01%	4123	41	4164
Total	100.0%			5993	27859	33852

Vehicle Fleet for Light Logistics

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	80.3%	51.92%	0.28%	0	0	0
LDT1		7.84%	0.12%	0	0	0
LDT2		20.47%	0.05%	0	0	0
MDT		19.78%	0.08%	0	0	0
SubTotal		100.0%		0	0	0
LHDT1 (2 axle truck)	5.2%	86.25%	36.99%	0	0	0
LHDT2		13.75%	68.89%	0	0	0
Subtota;		100.0%		0	0	0
MHDT (3 axle truck)	4.5%	100.0%	85.53%	0	0	0
HHDT (4+ axle truck)	10.0%	100.0%	99.01%	0	0	0
Total	100.0%			0	0	0

Vehicle Fleet for Gas Compression

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	77.2%	51.92%	0.28%	0	0	0
LDT1		7.84%	0.12%	0	0	0
LDT2		20.47%	0.05%	0	0	0
MDT		19.78%	0.08%	0	0	0
SubTotal		100.0%		0	0	0
LHDT1 (2 axle truck)	11.4%	86.25%	36.99%	0	0	0
LHDT2		13.75%	68.89%	0	0	0
Subtota;		100.0%		0	0	0
MHDT (3 axle truck)	2.6%	100.0%	85.53%	0	0	0
HHDT (4+ axle truck)	8.8%	100.0%	99.01%	0	0	0
Total	100.0%			0	0	0

Vehicle Fleet for Fueling Station/ConvenienceStore

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	51.4%	51.92%	0.28%	0	29	29
LDT1		7.84%	0.12%	0	4	4
LDT2		20.47%	0.05%	0	12	12
MDT		19.78%	0.08%	0	11	11
SubTotal		100.0%		0	56	57
LHDT1 (2 axle truck)	1.7%	86.25%	36.99%	1	1	2
LHDT2		13.75%	68.89%	0	0	0
Subtota:		100.0%		1	1	2
MHDT (3 axle truck)	7.8%	100.0%	85.53%	7	1	9
HHDT (4+ axle truck)	39.1%	100.0%	99.01%	43	0	43
Total	100.0%			51	59	110

Vehicle Summary (High Cube + Light Logistics + Gas Compressor + Fueling Station/Convenience Store)

Vehicle Class	Daily Diesel Trips	Daily Non Diesel Trips	Total Daily Trips	Daily Diesel Trips	Daily Non Diesel Trips	Total Daily Trips
LDA	39	13980	14019	43	15230	15273
LDT1	3	2114	2117	3	2304	2306
LDT2	3	5524	5526	3	6018	6021
MDT	4	5336	5341	5	5813	5818
LHDT1	379	645	1024	422	719	1141
LHDT2	112	51	163	125	57	182
MHDT	1339	227	1566	1468	248	1717
HHDT	4165	42	4207	4619	46	4665
Total	6044	27918	33962	6688	30435	37123

Trip Generation from PB 2012 Traffic Study
Vehicle Fleet Mix taken from EMFAC2011 for the SCAQMD in **2022** and the PB 2012 Traffic Study
% Diesel taken from EMAC2011 for the SCAQMD in **2022**

Vehicle Class	Daily Diesel Trips	Daily Non Diesel Trips	Total Daily Trips		
LDA	82	29210	29291	41.21%	51.92%
LDT1	5	4418	4423	6.22%	7.84%
LDT2	6	11541	11547	16.24%	20.47%
MDT	9	11150	11159	15.70%	19.78%
	102	56318	56421	79.37%	100.00%
LHDT1	800	1364	2164	3.04%	14.76%
LHDT2	238	107	345	0.49%	2.35%
MHDT	2807	475	3283	4.62%	22.39%
HHDT	8784	88	8872	12.48%	60.50%
	12630	**2034**	**14664**	20.63%	100.00%
Total	12732	58352	71085	100.00%	

World Logistics Center 2022 Phase 2
Diesel Vehicle Emissions PM10

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 24 **hrs/day, 52weeks/year**

Onsite Running Exhaust Emissions **PM10 Emissions**

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	**LDA**	15	0.062	39	950	0.59	1.43E+00	3.14E-03	1.65E-05	
	LDT1	15	0.090	3	950	0.59	1.40E-01	3.08E-04	1.62E-06	
	LDT2	15	0.070	3	950	0.59	1.12E-01	2.47E-04	1.30E-06	
	MDT	15	0.067	4	950	0.59	1.76E-01	3.88E-04	2.04E-06	
	LHDT1	15	0.131	378	950	0.59	2.92E+01	6.43E-02	3.38E-04	
	LHDT2	15	0.144	112	950	0.59	9.51E+00	2.09E-02	1.10E-04	
	MHDT	15	0.174	1332	950	0.59	1.37E+02	3.01E-01	1.58E-03	
	HHDT	15	0.157	4123	950	0.59	3.82E+02	8.41E-01	4.42E-03	
				5993			5.59E+02	1.23E+00	6.47E-03	6.47E-03
Travel at Light Logistics	**LDA**	15	0.062	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.090	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.070	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.067	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.131	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.144	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.174	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	0.157	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Gas Compressor	**LDA**	15	0.062	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.090	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.070	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.067	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.131	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.144	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.174	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	0.157	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
							0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Refueling Station	**LDA**	15	0.062	0	100	0.06	3.15E-04	6.94E-07	3.64E-09	
	LDT1	15	0.090	0	100	0.06	3.09E-05	6.80E-08	3.57E-10	
	LDT2	15	0.070	0	100	0.06	2.48E-05	5.45E-08	2.87E-10	
	MDT	15	0.067	0	100	0.06	3.89E-05	8.57E-08	4.50E-10	
	LHDT1	15	0.131	1	100	0.06	4.85E-03	1.07E-05	5.62E-08	
	LHDT2	15	0.144	0	100	0.06	1.58E-03	3.48E-06	1.83E-08	
	MHDT	15	0.174	7	100	0.06	7.92E-02	1.75E-04	9.17E-07	
	HHDT	15	0.157	43	100	0.06	4.15E-01	9.15E-04	4.81E-06	
				51						5.80E-06
Total - All Buildings	**LDA**			39			1.43E+00	3.14E-03	1.65E-05	
	LDT1			3			1.40E-01	3.08E-04	1.62E-06	
	LDT2			3			1.12E-01	2.47E-04	1.30E-06	
	MDT			4			1.76E-01	3.88E-04	2.04E-06	
	LHDT1			379			2.92E+01	6.43E-02	3.38E-04	
	LHDT2			112			9.51E+00	2.09E-02	1.10E-04	
	MHDT			1339			1.37E+02	3.01E-01	1.58E-03	
	HHDT			4165			3.82E+02	8.42E-01	4.43E-03	
	Total			6044			5.60E+02	1.23E+00	6.48E-03	6.48E-03

Diesel truck Idling Emissions **PM10 Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Peak Hour Emissions (g/day)	Peak Hour Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	**LHDT1**	0.306	15	189	1.45E+01	3.19E-02	1.67E-04	
	LHDT2	0.303	15	56	4.25E+00	9.37E-03	4.92E-05	
	MHDT	0.090	15	666	1.50E+01	3.31E-02	1.74E-04	
	HHDT	0.108	15	2061	5.56E+01	1.22E-01	6.43E-04	
				2972	8.93E+01	1.97E-01	1.03E-03	1.03E-03
Idle at Light Logistics	**LHDT1**	0.306	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	0.303	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	0.090	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.108	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Gas Compressor	**LHDT1**	0.306	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	0.303	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	0.090	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.108	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Fueling Station	**LHDT1**	0.306	15	0	2.28E-02	5.03E-05	2.64E-07	
	LHDT2	0.303	15	0	6.71E-03	1.48E-05	7.77E-08	
	MHDT	0.090	15	4	8.28E-02	1.82E-04	9.59E-07	
	HHDT	0.108	15	21	5.74E-01	1.26E-03	6.64E-06	
				25	6.86E-01	1.51E-03	7.94E-06	7.94E-06
TOTAL				2998	9.00E+01	1.98E-01	1.04E-03	1.04E-03

World Logistics Center 2022 Phase 2
Non-Diesel Vehicle Emissions PM10

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 24 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions PM10 Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	0.050	13950	950	0.59	4.10E+02	9.04E-01	4.75E-03	
	LDT1	15	0.052	2110	950	0.59	6.52E+01	1.44E-01	7.55E-04	
	LDT2	15	0.050	5512	950	0.59	1.62E+02	3.58E-01	1.88E-03	
	MDT	15	0.050	5325	950	0.59	1.58E+02	3.47E-01	1.83E-03	
	LHDT1	15	0.052	644	950	0.59	1.99E+01	4.38E-02	2.30E-04	
	LHDT2	15	0.046	51	950	0.59	1.39E+00	3.06E-03	1.61E-05	
	MHDT	15	0.046	225	950	0.59	6.15E+00	1.35E-02	7.12E-05	
	HHDT	15	0.046	41	950	0.59	1.11E+00	2.45E-03	1.29E-05	
				27859			8.24E+02	1.82E+00	9.54E-03	9.54E-03
Travel at Light Logistics	LDA	15	0.050	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.052	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.050	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.050	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.052	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.046	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.046	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	0.046	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Gas Compressor	LDA	15	0.050	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.052	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.050	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.050	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.052	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.046	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.046	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	0.046	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Fueling Station	LDA	15	0.050	29	100	0.06	9.07E-02	2.00E-04	1.05E-06	
	LDT1	15	0.052	4	100	0.06	1.44E-02	3.17E-05	1.67E-07	
	LDT2	15	0.050	12	100	0.06	3.58E-02	7.90E-05	4.15E-07	
	MDT	15	0.050	11	100	0.06	3.48E-02	7.67E-05	4.03E-07	
	LHDT1	15	0.052	1	100	0.06	3.31E-03	7.28E-06	3.83E-08	
	LHDT2	15	0.046	0	100	0.06	2.31E-04	5.08E-07	2.67E-09	
	MHDT	15	0.046	1	100	0.06	3.57E-03	7.86E-06	4.13E-08	
	HHDT	15	0.046	0	100	0.06	1.21E-03	2.67E-06	1.40E-08	
				59			1.84E-01	4.05E-04	2.13E-06	2.13E-06
Total - All Buildings	LDA			13980			4.11E+02	9.04E-01	4.75E-03	
	LDT1			2114			6.52E+01	1.44E-01	7.55E-04	
	LDT2			5524			1.62E+02	3.58E-01	1.88E-03	
	MDT			5336			1.58E+02	3.48E-01	1.83E-03	
	LHDT1			645			1.99E+01	4.38E-02	2.30E-04	
	LHDT2			51			1.39E+00	3.06E-03	1.61E-05	
	MHDT			227			6.15E+00	1.36E-02	7.12E-05	
	HHDT			42			1.11E+00	2.46E-03	1.29E-05	
				27918			8.24E+02	1.82E+00	9.54E-03	9.54E-03

Non-Diesel truck Idling Emissions **PM10 Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Peak Hour Emissions (g/day)	Peak Hour Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	**LHDT1**	0.019	15	322	1.49E+00	3.28E-03	1.73E-05	
	LHDT2	0.013	15	25	8.48E-02	1.87E-04	9.81E-07	
	MHDT	0.013	15	113	3.77E-01	8.31E-04	4.36E-06	
	HHDT	0.013	15	21	6.90E-02	1.52E-04	7.99E-07	
				481	2.02E+00	4.45E-03	2.34E-05	2.34E-05
Idle at Light Logistics	**LHDT1**	0.02	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	0.01	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	0.01	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.01	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Gas Compressor	**LHDT1**	0.02	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	0.01	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	0.01	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.01	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Fueling Station	**LHDT1**	0.019	15	1	2.35E-03	5.18E-06	2.72E-08	
	LHDT2	0.013	15	0	1.34E-04	2.95E-07	1.55E-09	
	MHDT	0.013	15	1	2.08E-03	4.58E-06	2.40E-08	
	HHDT	0.013	15	0	7.13E-04	1.57E-06	8.25E-09	
				1	5.28E-03	1.16E-05	6.11E-08	6.11E-08
TOTAL				482	2.03E+00	4.47E-03	2.35E-05	2.35E-05

World Logistics Center **2022** **PM10** Based on PB Traffic Results 10/23/2012

Project-ONLY Emissions **Phase 1 + Phase 2** Assumes MY2010 for Diesel MHDT and HHDT

Internal Roadway Circulation NoR

Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Entrained Dust (g/sec)	Total Emissions (g/sec)	Weighted Release Height (m)
1	2.14E-03	1.61E-03	1.81E-02	2.18E-02	1.3
2	8.78E-03	4.94E-03	7.04E-02	8.41E-02	1.3
3	6.32E-03	3.66E-03	5.09E-02	6.08E-02	1.3
4	5.10E-04	1.51E-03	5.63E-03	7.65E-03	1.2
5	1.00E-03	3.04E-03	1.09E-02	1.49E-02	1.2
6	6.11E-03	4.03E-03	4.98E-02	6.00E-02	1.3
7	7.40E-04	6.20E-04	4.66E-02	4.79E-02	1.0
8	1.45E-03	4.76E-03	1.61E-02	2.23E-02	1.2
11	3.00E-05	1.11E-04	3.62E-04	5.04E-04	1.2
12	2.10E-04	2.92E-04	1.48E-03	1.98E-03	1.3
14	8.89E-04	7.48E-04	7.47E-03	9.11E-03	1.3
15	1.05E-03	8.06E-04	8.38E-03	1.02E-02	1.3
18	5.61E-04	4.80E-04	4.63E-03	5.67E-03	1.3
18a	1.81E-04	2.15E-04	1.57E-03	1.97E-03	1.3
19	2.40E-03	1.29E-03	1.92E-02	2.29E-02	1.3
20	3.88E-04	8.54E-04	3.97E-03	5.21E-03	1.2
21	1.92E-03	2.05E-03	1.65E-02	2.05E-02	1.3
22	2.04E-03	2.17E-03	1.75E-02	2.17E-02	1.3
23	1.10E-03	8.93E-04	6.88E-02	7.08E-02	1.0
24	2.30E-03	3.30E-03	2.16E-02	2.72E-02	1.3
25	1.06E-03	9.80E-04	9.20E-03	1.12E-02	1.3
26	9.96E-04	7.32E-04	6.19E-02	6.36E-02	1.0
27	5.97E-04	4.48E-04	3.70E-02	3.80E-02	1.0
28	1.46E-03	1.16E-03	1.22E-02	1.48E-02	1.3
29	1.81E-03	1.17E-03	1.50E-02	1.80E-02	1.3
30	7.49E-03	5.10E-03	6.21E-02	7.47E-02	1.3
31	1.33E-03	3.12E-03	1.46E-02	1.90E-02	1.2
			Total	7.57E-01	

World Logistics Center 2022
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011 @ All Speeds

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	22,213,285
LDT1-GAS	3,359,747
LDT2-GAS	8,776,768
MDT-GAS	8,478,946
LHDT1-GAS	1,438,460
LHDT2-GAS	113,224
MHDT-GAS	87,254
HHDT-GAS	21,705
Subtotal	44489389
DSL Vehicle Class	
LDA-DSL	62,127.77
LDT1-DSL	4,176.15
LDT2-DSL	4,311.57
MDT-DSL	7,126.31
LHDT1-DSL	844,299.02
LHDT2-DSL	250,743.90
MHDT-DSL	515,587.56
HHDT-DSL	2,169,783.95
Subtotal	3858156
Grand Total	48347545

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	22213285	62128	22275413	51.92%	99.7%	0.28%
LDT1		3359747	4176	3363924	7.84%	99.9%	0.12%
LDT2		8776768	4312	8781080	20.47%	100.0%	0.05%
MDT		8478946	7126	8486072	19.78%	99.9%	0.08%
Subtotal		42828746	77742	42906488	100.00%	99.8%	0.18%
LHDT1	Light Heavy Truck	1438460	844299	2282759	86.25%	63.0%	36.99%
LHDT2		113224	250744	363968	13.75%	31.1%	68.89%
Subtotal		1551684	1095043	2646727			
MHDT	Medium Heavy Truck	87254	515588	602841	100%	14.5%	85.53%
HHDT	Heavy Heavy Truck	21705	2169784	2191489	100%	1.0%	99.01%

World Logistics Center **2022** **PM10** **Phase 1 + Phase 2**
Project-ONLY Emissions
Internal Roadway Circulation

Project Operations: 24 hours/day

Vehicle Fleet Trips - Diesel (% Vehicle Class)

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.14%	0.01%	0.01%	0.02%	31.90%	9.47%	85.53%	99.01%

Vehicle Trips

Roadway Segment	Total Daily Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2 DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)
1	20633	14,122	488	1,457	4,566	327	0.203	20	1	1	2	156	46	1246	4521	5994
2	37123	22,455	1,696	3,128	9,844	614	0.381	33	2	2	4	541	161	2675	9747	13164
3	14169	8,661	657	1,178	3,673	1181	0.734	13	1	1	1	210	62	1007	3637	4932
4	5310	4,655	207	363	85	934	0.580	7	0	0	1	66	20	310	84	489
5	9393	8,253	368	702	70	1060	0.658	12	1	1	1	117	35	600	69	837
6	15147	9,751	628	1,234	3,534	1163	0.722	14	1	1	2	200	59	1055	3499	4832
7	4720	3,289	182	363	886	535	0.332	5	0	0	1	58	17	310	877	1269
8	13520	11,947	557	1,016	0	1143	0.710	17	1	1	2	178	53	869	0	1121
11	299	266	14	19	0	1201	0.746	0	0	0	0	4	1	16	0	23
12	1291	912	205	174	0	824	0.512	1	0	0	0	65	19	149	0	235
14	3405	2,322	218	236	629	897	0.557	3	0	0	0	70	21	202	623	919
15	4633	2,822	687	323	801	734	0.456	4	0	0	0	219	65	276	793	1359
18	2494	1,716	146	206	426	780	0.485	2	0	0	0	47	14	176	422	661
18a	1242	945	48	103	146	648	0.403	1	0	0	0	15	5	88	145	254
19	4492	2,691	174	377	1,250	1347	0.837	4	0	0	0	56	16	322	1238	1637
20	2712	2,310	86	183	133	1067	0.663	3	0	0	0	27	8	157	132	328
21	11815	8,774	453	949	1,639	664	0.412	13	1	1	1	145	43	812	1623	2638
22	11827	8,774	453	960	1,640	704	0.437	13	1	1	1	145	43	821	1624	2648
23	8190	5,658	300	667	1,565	448	0.278	8	1	1	1	96	28	570	1549	2254
24	8264	6,616	210	522	916	1443	0.896	10	1	1	1	67	20	446	907	1452
25	14675	10,643	387	976	2,669	265	0.165	15	1	1	2	123	37	835	2643	3657
26	7421	4,984	263	580	1,594	417	0.259	7	0	1	1	84	25	496	1578	2192
27	5423	3,650	214	436	1,123	347	0.216	5	0	0	1	68	20	373	1112	1580
28	3288	2,262	116	259	651	1459	0.906	3	0	0	0	37	11	222	645	918
29	9117	5,897	264	671	2,285	564	0.350	9	1	1	1	84	25	574	2262	2956
30	10148	6,681	306	769	2,392	2174	1.351	10	1	1	1	98	29	658	2368	3165
31	6718	5,815	145	361	397	1563	0.971	8	1	1	1	46	14	309	393	772

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors (g/mi)

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.0536	0.0677	0.0577	0.0560	0.1169	0.1296	0.1696	0.1486
2	0.0527	0.0625	0.0556	0.0545	0.1050	0.1179	0.1752	0.1597
3	0.0525	0.0638	0.0558	0.0545	0.1092	0.1220	0.1700	0.1498
4	0.0546	0.0639	0.0574	0.0564	0.1029	0.1158	0.1850	0.1956

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	Total (g/sec)
1	1	2.58E-06	2.19E-07	1.92E-07	3.09E-07	4.28E-05	1.41E-05	4.97E-04	1.58E-03	2.14E-03
2	1	7.70E-06	6.53E-07	5.75E-07	9.22E-07	2.79E-04	9.19E-05	2.00E-03	6.39E-03	8.78E-03
3	1	5.71E-06	4.84E-07	4.26E-07	6.84E-07	2.08E-04	6.85E-05	1.45E-03	4.59E-03	6.32E-03
4	1	2.43E-06	2.06E-07	1.81E-07	2.91E-07	5.18E-05	1.71E-05	3.54E-04	8.40E-05	5.10E-04
5	1	4.88E-06	4.14E-07	3.65E-07	5.85E-07	1.05E-04	3.44E-05	7.76E-04	7.85E-05	1.00E-03
6	1	6.33E-06	5.37E-07	4.73E-07	7.58E-07	1.96E-04	6.45E-05	1.50E-03	4.35E-03	6.11E-03
7	1	9.82E-07	8.33E-08	7.33E-08	1.18E-07	2.61E-05	8.60E-06	2.03E-04	5.01E-04	7.40E-04
8	1	7.62E-06	6.47E-07	5.69E-07	9.13E-07	1.71E-04	5.62E-05	1.21E-03	0.00E+00	1.45E-03
11	1	1.78E-07	1.51E-08	1.33E-08	2.14E-08	4.51E-06	1.48E-06	2.38E-05	0.00E+00	3.00E-05
12	1	4.19E-07	3.56E-08	3.13E-08	5.02E-08	4.53E-05	1.49E-05	1.50E-04	0.00E+00	2.10E-04
14	1	1.16E-06	9.86E-08	8.68E-08	1.39E-07	5.24E-05	1.73E-05	2.21E-04	5.97E-04	8.89E-04
15	1	1.16E-06	9.81E-08	8.63E-08	1.39E-07	1.35E-04	4.45E-05	2.47E-04	6.22E-04	1.05E-03
18	1	7.47E-07	6.34E-08	5.58E-08	8.95E-08	3.05E-05	1.01E-05	1.68E-04	3.52E-04	5.61E-04
18a	1	3.42E-07	2.90E-08	2.55E-08	4.09E-08	8.34E-06	2.75E-06	6.96E-05	1.00E-04	1.81E-04
19	1	2.02E-06	1.72E-07	1.51E-07	2.42E-07	6.28E-05	2.07E-05	5.30E-04	1.78E-03	2.40E-03
20	1	1.38E-06	1.17E-07	1.03E-07	1.65E-07	2.46E-05	8.10E-06	2.04E-04	1.50E-04	3.88E-04
21	1	3.25E-06	2.76E-07	2.43E-07	3.90E-07	8.07E-05	2.66E-05	6.57E-04	1.15E-03	1.92E-03
22	1	3.45E-06	2.92E-07	2.57E-07	4.13E-07	8.55E-05	2.82E-05	7.05E-04	1.22E-03	2.04E-03
23	1	1.41E-06	1.20E-07	1.06E-07	1.69E-07	3.60E-05	1.19E-05	3.12E-04	7.42E-04	1.10E-03
24	1	5.33E-06	4.52E-07	3.98E-07	6.38E-07	8.13E-05	2.68E-05	7.86E-04	1.40E-03	2.30E-03
25	1	1.57E-06	1.34E-07	1.18E-07	1.89E-07	2.75E-05	9.05E-06	2.70E-04	7.48E-04	1.06E-03
26	1	1.16E-06	9.84E-08	8.66E-08	1.39E-07	2.94E-05	9.68E-06	2.52E-04	7.03E-04	9.96E-04
27	1	7.07E-07	6.00E-08	5.28E-08	8.47E-08	1.99E-05	6.56E-06	1.58E-04	4.12E-04	5.97E-04
28	1	1.84E-06	1.56E-07	1.38E-07	2.21E-07	4.54E-05	1.49E-05	3.94E-04	1.00E-03	1.46E-03
29	1	1.86E-06	1.57E-07	1.39E-07	2.22E-07	3.99E-05	1.31E-05	3.95E-04	1.36E-03	1.81E-03
30	1	8.11E-06	6.88E-07	6.05E-07	9.71E-07	1.78E-04	5.87E-05	1.74E-03	5.50E-03	7.49E-03
31	1	5.07E-06	4.30E-07	3.79E-07	6.08E-07	6.08E-05	2.00E-05	5.88E-04	6.56E-04	1.33E-03

World Logistics Center **2022** **PM10** **Phase 1 + Phase 2**

Project-ONLY Emissions
Internal Roadway Circulation

Project Operations: 24 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
51.77%	7.83%	20.46%	19.76%	54.35%	4.28%	14.47%	0.99%

Vehicle Trips

Roadway Segment	Total Daily Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2 GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	20,633	14,122	488	1,457	4,566	327	0.203	7311	1106	2889	2791	265	21	211	45	14639
2	37,123	22,455	1,696	3,128	9,844	614	0.381	11625	1758	4593	4437	922	73	453	97	23959
3	14,169	8,661	657	1,178	3,673	1181	0.734	4484	678	1772	1712	357	28	171	36	9237
4	5,310	4,655	207	363	85	934	0.580	2410	365	952	920	113	9	53	1	4821
5	9,393	8,253	368	702	70	1060	0.658	4273	646	1688	1631	200	16	102	1	8556
6	15,147	9,751	628	1,234	3,534	1163	0.722	5048	764	1995	1927	341	27	179	35	10315
7	4,720	3,289	182	363	886	535	0.332	1703	258	673	650	99	8	53	9	3451
8	13,520	11,947	557	1,016	0	1143	0.710	6185	935	2444	2361	303	24	147	0	12399
11	299	266	14	19	0	1201	0.746	138	21	54	53	8	1	3	0	276
12	1,291	912	205	174	0	824	0.512	472	71	187	180	111	9	25	0	1056
14	3,405	2,322	218	236	629	897	0.557	1202	182	475	459	118	9	34	6	2486
15	4,633	2,822	687	323	801	734	0.456	1461	221	577	558	373	29	47	8	3274
18	2,494	1,716	146	206	426	780	0.485	888	134	351	339	79	6	30	4	1833
18a	1,242	945	48	103	146	648	0.403	489	74	193	187	26	2	15	1	988
19	4,492	2,691	174	377	1,250	1347	0.837	1393	211	550	532	95	7	55	12	2855
20	2,712	2,310	86	183	133	1067	0.663	1196	181	473	456	47	4	26	1	2384
21	11,815	8,774	453	949	1,639	664	0.412	4542	687	1795	1734	246	19	137	16	9177
22	11,827	8,774	453	960	1,640	704	0.437	4542	687	1795	1734	246	19	139	16	9179
23	8,190	5,658	300	667	1,565	448	0.278	2929	443	1157	1118	163	13	97	16	5936
24	8,264	6,616	210	522	916	1443	0.896	3425	518	1353	1307	114	9	76	9	6812
25	14,675	10,643	387	976	2,669	265	0.165	5510	833	2177	2103	210	17	141	26	11018
26	7,421	4,984	263	580	1,594	417	0.259	2580	390	1020	985	143	11	84	16	5229
27	5,423	3,650	214	436	1,123	347	0.216	1890	286	747	721	116	9	63	11	3843
28	3,288	2,262	116	259	651	1459	0.906	1171	177	463	447	63	5	37	6	2370
29	9,117	5,897	264	671	2,285	564	0.350	3053	462	1206	1165	143	11	97	23	6161
30	10,148	6,681	306	769	2,392	2174	1.351	3459	523	1367	1320	166	13	111	24	6983
31	6,718	5,815	145	361	397	1563	0.971	3011	455	1189	1149	79	6	52	4	5946

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	0.0466	0.0476	0.0466	0.0467	0.0460	0.0457	0.0456	0.0454
2	0.0463	0.0470	0.0463	0.0464	0.0454	0.0453	0.0452	0.0451
3	0.0463	0.0470	0.0463	0.0464	0.0456	0.0454	0.0454	0.0452
4	0.0465	0.0473	0.0465	0.0466	0.0454	0.0453	0.0452	0.0451

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	8.01E-04	1.24E-04	3.17E-04	3.07E-04	2.87E-05	2.24E-06	2.26E-05	4.82E-06	1.61E-03
2	1	2.39E-03	3.69E-04	9.46E-04	9.16E-04	1.87E-04	1.46E-05	9.12E-05	1.95E-05	4.94E-03
3	1	1.78E-03	2.74E-04	7.02E-04	6.79E-04	1.40E-04	1.09E-05	6.61E-05	1.40E-05	3.66E-03
4	1	7.55E-04	1.16E-04	2.98E-04	2.89E-04	3.48E-05	2.72E-06	1.61E-05	2.57E-07	1.51E-03
5	1	1.52E-03	2.34E-04	6.00E-04	5.81E-04	7.01E-05	5.49E-06	3.53E-05	2.40E-07	3.04E-03
6	1	1.97E-03	3.04E-04	7.78E-04	7.53E-04	1.31E-04	1.03E-05	6.81E-05	1.33E-05	4.03E-03
7	1	3.05E-04	4.71E-05	1.21E-04	1.17E-04	1.75E-05	1.37E-06	9.22E-06	1.53E-06	6.20E-04
8	1	2.37E-03	3.66E-04	9.37E-04	9.07E-04	1.14E-04	8.96E-06	5.51E-05	0.00E+00	4.76E-03
11	1	5.54E-05	8.55E-06	2.19E-05	2.12E-05	3.02E-06	2.37E-07	1.08E-06	0.00E+00	1.11E-04
12	1	1.30E-04	2.01E-05	5.15E-05	4.99E-05	3.04E-05	2.38E-06	6.81E-06	0.00E+00	2.92E-04
14	1	3.61E-04	5.58E-05	1.43E-04	1.38E-04	3.52E-05	2.75E-06	1.01E-05	1.82E-06	7.48E-04
15	1	3.59E-04	5.55E-05	1.42E-04	1.38E-04	9.07E-05	7.09E-06	1.13E-05	1.90E-06	8.06E-04
18	1	2.32E-04	3.58E-05	9.18E-05	8.89E-05	2.05E-05	1.60E-06	7.63E-06	1.07E-06	4.80E-04
18a	1	1.06E-04	1.64E-05	4.20E-05	4.07E-05	5.59E-06	4.38E-07	3.17E-06	3.06E-07	2.15E-04
19	1	6.29E-04	9.71E-05	2.49E-04	2.41E-04	4.21E-05	3.30E-06	2.41E-05	5.44E-06	1.29E-03
20	1	4.28E-04	6.60E-05	1.69E-04	1.64E-04	1.65E-05	1.29E-06	9.27E-06	4.59E-07	8.54E-04
21	1	1.01E-03	1.56E-04	4.00E-04	3.87E-04	5.41E-05	4.23E-06	2.99E-05	3.52E-06	2.05E-03
22	1	1.07E-03	1.65E-04	4.24E-04	4.10E-04	5.73E-05	4.49E-06	3.21E-05	3.73E-06	2.17E-03
23	1	4.40E-04	6.79E-05	1.74E-04	1.68E-04	2.42E-05	1.89E-06	1.42E-05	2.27E-06	8.93E-04
24	1	1.66E-03	2.56E-04	6.55E-04	6.34E-04	5.45E-05	4.26E-06	3.58E-05	4.27E-06	3.30E-03
25	1	4.89E-04	7.55E-05	1.93E-04	1.87E-04	1.84E-05	1.44E-06	1.23E-05	2.29E-06	9.80E-04
26	1	3.61E-04	5.56E-05	1.43E-04	1.38E-04	1.97E-05	1.54E-06	1.15E-05	2.15E-06	7.32E-04
27	1	2.20E-04	3.39E-05	8.69E-05	8.41E-05	1.34E-05	1.04E-06	7.18E-06	1.26E-06	4.48E-04
28	1	5.73E-04	8.84E-05	2.26E-04	2.19E-04	3.04E-05	2.38E-06	1.79E-05	3.07E-06	1.16E-03
29	1	5.77E-04	8.91E-05	2.28E-04	2.21E-04	2.68E-05	2.09E-06	1.80E-05	4.16E-06	1.17E-03
30	1	2.52E-03	3.89E-04	9.96E-04	9.65E-04	1.20E-04	9.36E-06	7.94E-05	1.68E-05	5.10E-03
31	1	1.58E-03	2.43E-04	6.23E-04	6.04E-04	4.07E-05	3.19E-06	2.68E-05	2.01E-06	3.12E-03

World Logistics Center

Entrained Road Dust

Calculation Parameters - Median Vehicle Weight

Vehicle Class	Averaged Weight Tons
Pass, LHDT,MDT	2.13
LHDT	5.63
MHDT	11.75
HHDT	23.25

Calculation Parameters - Silt Loading

	Road Type	Silt Loading (g/m2)
Freeway	F	0.022
Arterial, Major Collector	A	0.035
Minor Collector	M	0.32

Particle Size Multiplier for PM10 = 0.0022 lb/VMT

Roadway Segment	Road Type	Segment Length (m)	Segment Length (mi)	Pass (trips/Day)	Daily Pass VMT	LHDT (trips/day)	Daily LHDT VMT	MHDT (trips/day)	Daily MHDT VMT	HHDT (trips/day)	Daily HHDT VMT	Daily Total VMT	Average Vehicle Wt (tons)	Silt Loading (g/m2)	Emission Factor (lb/VMT)	Entrained Dust (lb/day)	Emissions (g/sec)
1	A	327	0.20	14,122	2869	488	99	1,457	296	4,566	928	4191	7.57	0.035	0.0008	3.4	1.81E-02
2	A	614	0.38	22,455	8565	1,696	647	3,128	1193	9,844	3755	14160	8.70	0.035	0.0009	13.4	7.04E-02
3	A	1181	0.73	8,661	6354	657	482	1,178	864	3,673	2695	10395	8.57	0.035	0.0009	9.7	5.09E-02
4	A	934	0.58	4,655	2701	207	120	363	211	85	49	3081	3.26	0.035	0.0003	1.1	5.63E-03
5	A	1060	0.66	8,253	5434	368	242	702	462	70	46	6185	3.14	0.035	0.0003	2.1	1.09E-02
6	A	1163	0.72	9,751	7045	628	454	1,234	892	3,534	2553	10943	7.99	0.035	0.0009	9.5	4.98E-02
7	M	535	0.33	3,289	1093	182	60	363	121	886	294	1569	6.97	0.32	0.0057	8.9	4.66E-02
8	A	1143	0.71	11,947	8483	557	395	1,016	721	0	0	9600	3.00	0.035	0.0003	3.1	1.61E-02
11	A	1201	0.75	266	198	14	10	19	14	0	0	223	2.91	0.035	0.0003	0.1	3.62E-04
12	A	824	0.51	912	467	205	105	174	89	0	0	661	3.98	0.035	0.0004	0.3	1.48E-03
14	A	897	0.56	2,322	1294	218	121	236	132	629	350	1897	6.92	0.035	0.0007	1.4	7.47E-03
15	A	734	0.46	2,822	1287	687	313	323	147	801	365	2113	6.97	0.035	0.0008	1.6	8.38E-03
18	A	780	0.48	1,716	831	146	71	206	100	426	206	1208	6.74	0.035	0.0007	0.9	4.63E-03
18a	A	648	0.40	945	380	48	19	103	41	146	59	500	5.55	0.035	0.0006	0.3	1.57E-03
19	A	1347	0.84	2,691	2252	174	146	377	315	1,250	1046	3759	8.95	0.035	0.0010	3.7	1.92E-02
20	A	1067	0.66	2,310	1531	86	57	183	121	133	88	1798	3.93	0.035	0.0004	0.8	3.97E-03
21	A	664	0.41	8,774	3619	453	187	949	391	1,639	676	4874	5.97	0.035	0.0006	3.1	1.65E-02
22	A	704	0.44	8,774	3837	453	198	960	420	1,640	717	5172	5.97	0.035	0.0006	3.3	1.75E-02
23	M	448	0.28	5,658	1575	300	83	667	186	1,565	436	2279	7.08	0.32	0.0057	13.1	6.88E-02
24	A	1443	0.90	6,616	5931	210	188	522	468	916	821	7408	5.17	0.035	0.0006	4.1	2.16E-02
25	A	265	0.16	10,643	1752	387	64	976	161	2,669	439	2416	6.70	0.035	0.0007	1.8	9.20E-03
26	M	417	0.26	4,984	1291	263	68	580	150	1,594	413	1922	7.54	0.32	0.0061	11.8	6.19E-02
27	M	347	0.22	3,650	787	214	46	436	94	1,123	242	1169	7.42	0.32	0.0060	7.0	3.70E-02
28	A	1459	0.91	2,262	2050	116	105	259	235	651	590	2980	7.19	0.035	0.0008	2.3	1.22E-02
29	A	564	0.35	5,897	2066	264	92	671	235	2,285	801	3194	8.23	0.035	0.0009	2.9	1.50E-02
30	A	2174	1.35	6,681	9023	306	413	769	1039	2,392	3230	13705	7.94	0.035	0.0009	11.8	6.21E-02
31	A	1563	0.97	5,815	5646	145	141	361	351	397	385	6523	3.97	0.035	0.0004	2.8	1.46E-02

World Logistics Center **2022** **PM10** Based on PB Traffic Results 10/23/2012

NONProject Emissions

Internal Roadway Circulation No Refrigeration

Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Entrained Dust (g/sec)	Total Emissions (g/sec)	Weighted Emission Ht (m)
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00
5	2.42E-06	6.15E-04	1.35E-03	1.97E-03	1.00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00
7	5.61E-07	2.54E-08	1.68E-05	1.74E-05	1.10
8	1.33E-05	3.91E-04	9.07E-04	1.31E-03	1.03
11	1.20E-04	2.47E-03	5.86E-03	8.45E-03	1.04
12	2.61E-04	3.15E-03	8.13E-03	1.15E-02	1.07
14	5.50E-04	1.99E-03	7.68E-03	1.02E-02	1.17
15	2.27E-06	1.07E-03	2.34E-03	3.41E-03	1.00
18	2.31E-05	2.04E-04	5.65E-04	7.92E-04	1.09
18a	1.99E-05	1.69E-04	4.75E-04	6.64E-04	1.09
19	1.89E-06	3.25E-07	8.31E-06	1.05E-05	1.57
20	1.12E-06	5.07E-08	4.48E-06	5.65E-06	1.62
21	8.01E-06	4.30E-04	9.73E-04	1.41E-03	1.02
22	1.63E-05	2.57E-04	6.48E-04	9.21E-04	1.06
23	5.65E-06	2.37E-05	6.70E-04	6.99E-04	1.03
24	1.31E-05	4.49E-04	1.03E-03	1.49E-03	1.03
25	3.62E-06	1.37E-04	3.23E-04	4.63E-04	1.02
26	7.55E-06	1.58E-05	6.37E-04	6.60E-04	1.04
27	3.87E-07	1.12E-09	2.19E-05	2.23E-05	1.05
28	1.67E-05	4.45E-05	2.07E-04	2.69E-04	1.20
29	2.39E-04	1.58E-03	4.80E-03	6.63E-03	1.11
30	9.53E-04	6.66E-03	2.00E-02	2.76E-02	1.11
31	1.03E-04	6.85E-03	1.54E-02	2.24E-02	1.01
				1.01E-01	

World Logistics Center 2022
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011 @ All Speeds

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	22,213,285
LDT1-GAS	3,359,747
LDT2-GAS	8,776,768
MDT-GAS	8,478,946
LHDT1-GAS	1,438,460
LHDT2-GAS	113,224
MHDT-GAS	87,254
HHDT-GAS	21,705
Subtotal	44489389
DSL Vehicle Class	
LDA-DSL	62,127.77
LDT1-DSL	4,176.15
LDT2-DSL	4,311.57
MDT-DSL	7,126.31
LHDT1-DSL	844,299.02
LHDT2-DSL	250,743.90
MHDT-DSL	515,587.56
HHDT-DSL	2,169,783.95
Subtotal	3858156
Grand Total	48347545

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	22213285	62128	22275413	51.92%	99.7%	0.28%
LDT1		3359747	4176	3363924	7.84%	99.9%	0.12%
LDT2		8776768	4312	8781080	20.47%	100.0%	0.05%
MDT		8478946	7126	8486072	19.78%	99.9%	0.08%
Subtotal		42828746	77742	42906488	100.00%	99.8%	0.18%
LHDT1	Light Heavy Truck	1438460	844299	2282759	86.25%	63.0%	36.99%
LHDT2		113224	250744	363968	13.75%	31.1%	68.89%
Subtotal		1551684	1095043	2646727			
MHDT	Medium Heavy Truck	87254	515588	602841	100%	14.5%	85.53%
HHDT	Heavy Heavy Truck	21705	2169784	2191489	100%	1.0%	99.01%

World Logistics Center **2022** **PM10**
NONProject Emissions
Internal Roadway Circulation

Project Operations: 24 hours/day

Vehicle Fleet Trips - Diesel (% Vehicle Class)

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.14%	0.01%	0.01%	0.02%	31.90%	9.47%	85.53%	99.01%

Vehicle Trips

Roadway Segment	Total Daily Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2 DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)
1	0	0	0	0	0	327	0.203	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	614	0.381	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	1181	0.734	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	934	0.580	0	0	0	0	0	0	0	0	0
5	1732	1,731	0	1	0	1060	0.658	3	0	0	0	0	0	1	0	4
6	0	0	0	0	0	1163	0.722	0	0	0	0	0	0	0	0	0
7	1	0	0	1	0	535	0.332	0	0	0	0	0	0	1	0	1
8	1031	1,016	7	8	0	1143	0.710	1	0	0	0	2	1	7	0	12
11	6210	6,073	69	68	0	1201	0.746	9	1	1	1	22	7	58	0	98
12	11691	11,166	356	105	64	824	0.512	16	1	1	2	114	34	90	63	321
14	7180	6,483	209	151	337	897	0.557	9	1	1	1	67	20	129	334	561
15	4340	4,340	0	0	0	734	0.456	6	0	0	1	0	0	0	0	8
18	805	772	9	14	10	780	0.485	1	0	0	0	3	1	12	10	27
18a	806	772	9	14	11	648	0.403	1	0	0	0	3	1	12	11	28
19	2	0	1	1	0	1347	0.837	0	0	0	0	0	0	1	0	1
20	1	0	0	1	0	1067	0.663	0	0	0	0	0	0	1	0	1
21	1944	1,914	30	0	0	664	0.412	3	0	0	0	10	3	0	0	16
22	1107	1,081	8	9	9	704	0.437	2	0	0	0	3	1	8	9	22
23	169	157	1	2	9	448	0.278	0	0	0	0	0	0	2	9	11
24	936	924	6	6	0	1443	0.896	1	0	0	0	2	1	5	0	9
25	1550	1,538	1	1	10	265	0.165	2	0	0	0	0	0	1	10	14
26	129	112	1	3	13	417	0.259	0	0	0	0	0	0	3	13	16
27	1	0	0	0	1	347	0.216	0	0	0	0	0	0	0	1	1
28	101	90	1	2	8	1459	0.906	0	0	0	0	0	0	2	8	10
29	8807	7,991	649	0	167	564	0.350	12	1	1	1	207	61	0	165	448
30	9589	8,754	658	0	177	2174	1.351	13	1	1	1	210	62	0	175	463
31	13145	12,987	158	0	0	1563	0.971	19	1	1	2	50	15	0	0	89

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors (g/mi)

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.0536	0.0677	0.0577	0.0560	0.1169	0.1296	0.1707	0.1568
2	0.0527	0.0625	0.0556	0.0545	0.1050	0.1179	0.1767	0.1691
3	0.0525	0.0638	0.0558	0.0545	0.1092	0.1220	0.1713	0.1580
4	0.0546	0.0639	0.0574	0.0564	0.1029	0.1158	0.1867	0.1902

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	Total (g/sec)
1	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	1	1.02E-06	8.69E-08	7.65E-08	1.23E-07	0.00E+00	0.00E+00	1.11E-06	0.00E+00	2.42E-06
6	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-07	0.00E+00	5.61E-07
8	1	6.48E-07	5.50E-08	4.84E-08	7.77E-08	2.15E-06	7.06E-07	9.60E-06	0.00E+00	1.33E-05
11	1	4.07E-06	3.45E-07	3.04E-07	4.88E-07	2.22E-05	7.32E-06	8.57E-05	0.00E+00	1.20E-04
12	1	5.14E-06	4.36E-07	3.84E-07	6.15E-07	7.87E-05	2.59E-05	9.08E-05	5.89E-05	2.61E-04
14	1	3.25E-06	2.75E-07	2.42E-07	3.89E-07	5.03E-05	1.66E-05	1.42E-04	3.37E-04	5.50E-04
15	1	1.78E-06	1.51E-07	1.33E-07	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-06
18	1	3.36E-07	2.85E-08	2.51E-08	4.03E-08	1.88E-06	6.20E-07	1.15E-05	8.71E-06	2.31E-05
18a	1	2.79E-07	2.37E-08	2.09E-08	3.35E-08	1.56E-06	5.15E-07	9.52E-06	7.96E-06	1.99E-05
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	1.19E-07	1.41E-06	0.00E+00	1.89E-06
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-06	0.00E+00	1.12E-06
21	1	7.09E-07	6.02E-08	5.30E-08	8.50E-08	5.34E-06	1.76E-06	0.00E+00	0.00E+00	8.01E-06
22	1	4.25E-07	3.60E-08	3.17E-08	5.09E-08	1.51E-06	4.97E-07	6.65E-06	7.07E-06	1.63E-05
23	1	3.93E-08	3.33E-09	2.93E-09	4.70E-09	1.20E-07	3.96E-08	9.40E-07	4.50E-06	5.65E-06
24	1	7.44E-07	6.31E-08	5.56E-08	8.92E-08	2.32E-06	7.64E-07	9.09E-06	0.00E+00	1.31E-05
25	1	2.27E-07	1.93E-08	1.70E-08	2.73E-08	7.11E-08	2.34E-08	2.78E-07	2.96E-06	3.62E-06
26	1	2.61E-08	2.21E-09	1.95E-09	3.12E-09	1.12E-07	3.68E-08	1.31E-06	6.05E-06	7.55E-06
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-07	3.87E-07
28	1	7.33E-08	6.22E-09	5.47E-09	8.78E-09	3.91E-07	1.29E-07	3.06E-06	1.30E-05	1.67E-05
29	1	2.52E-06	2.13E-07	1.88E-07	3.01E-07	9.81E-05	3.23E-05	0.00E+00	1.05E-04	2.39E-04
30	1	1.06E-05	9.01E-07	7.93E-07	1.27E-06	3.84E-04	1.26E-04	0.00E+00	4.29E-04	9.53E-04
31	1	1.13E-05	9.61E-07	8.46E-07	1.36E-06	6.62E-05	2.18E-05	0.00E+00	0.00E+00	1.03E-04

World Logistics Center **2022** **PM10**
NONProject Emissions
Internal Roadway Circulation

Project Operations: 24 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
51.77%	7.83%	20.46%	19.76%	54.35%	4.28%	14.47%	0.99%

Vehicle Trips

Roadway Segment	Total Daily Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2 GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	0	0	0	0	0	327	0.203	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	614	0.381	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	1181	0.734	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	934	0.580	0	0	0	0	0	0	0	0	0
5	1,732	1,731	0	1	0	1060	0.658	896	136	354	342	0	0	0	0	1728
6	0	0	0	0	0	1163	0.722	0	0	0	0	0	0	0	0	0
7	1	0	0	1	0	535	0.332	0	0	0	0	0	0	0	0	0
8	1,031	1,016	7	8	0	1143	0.710	526	80	208	201	4	0	1	0	1019
11	6,210	6,073	69	68	0	1201	0.746	3144	476	1242	1200	38	3	10	0	6112
12	11,691	11,166	356	105	64	824	0.512	5781	874	2284	2207	193	15	15	1	11370
14	7,180	6,483	209	151	337	897	0.557	3356	508	1326	1281	114	9	22	3	6619
15	4,340	4,340	0	0	0	734	0.456	2247	340	888	858	0	0	0	0	4332
18	805	772	9	14	10	780	0.485	400	60	158	153	5	0	2	0	778
18a	806	772	9	14	11	648	0.403	400	60	158	153	5	0	2	0	778
19	2	0	1	1	0	1347	0.837	0	0	0	0	1	0	0	0	1
20	1	0	0	1	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	1,944	1,914	30	0	0	664	0.412	991	150	392	378	16	1	0	0	1928
22	1,107	1,081	8	9	9	704	0.437	560	85	221	214	4	0	1	0	1085
23	169	157	1	2	9	448	0.278	81	12	32	31	1	0	0	0	158
24	936	924	6	6	0	1443	0.896	478	72	189	183	3	0	1	0	927
25	1,550	1,538	1	1	10	265	0.165	796	120	315	304	1	0	0	0	1536
26	129	112	1	3	13	417	0.259	58	9	23	22	1	0	0	0	113
27	1	0	0	0	1	347	0.216	0	0	0	0	0	0	0	0	0
28	101	90	1	2	8	1459	0.906	47	7	18	18	1	0	0	0	91
29	8,807	7,991	649	0	167	564	0.350	4137	626	1635	1579	353	28	0	2	8359
30	9,589	8,754	658	0	177	2174	1.351	4532	685	1791	1730	358	28	0	2	9126
31	13,145	12,987	158	0	0	1563	0.971	6724	1017	2657	2566	86	7	0	0	13056

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	0.0466	0.0476	0.0466	0.0467	0.0460	0.0457	0.0456	0.0454
2	0.0463	0.0470	0.0463	0.0464	0.0454	0.0453	0.0452	0.0451
3	0.0463	0.0470	0.0463	0.0464	0.0456	0.0454	0.0454	0.0452
4	0.0465	0.0473	0.0465	0.0466	0.0454	0.0453	0.0452	0.0451

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	1	3.18E-04	4.91E-05	1.26E-04	1.22E-04	0.00E+00	0.00E+00	5.03E-08	0.00E+00	6.15E-04
6	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-08	0.00E+00	2.54E-08
8	1	2.02E-04	3.11E-05	7.97E-05	7.71E-05	1.44E-06	1.13E-07	4.34E-07	0.00E+00	3.91E-04
11	1	1.27E-03	1.95E-04	5.00E-04	4.84E-04	1.49E-05	1.17E-06	3.88E-06	0.00E+00	2.47E-03
12	1	1.60E-03	2.46E-04	6.31E-04	6.11E-04	5.27E-05	4.13E-06	4.11E-06	1.70E-07	3.15E-03
14	1	1.01E-03	1.56E-04	3.99E-04	3.86E-04	3.37E-05	2.64E-06	6.43E-06	9.77E-07	1.99E-03
15	1	5.53E-04	8.53E-05	2.18E-04	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
18	1	1.05E-04	1.61E-05	4.13E-05	4.00E-05	1.26E-06	9.87E-08	5.18E-07	2.52E-08	2.04E-04
18a	1	8.68E-05	1.34E-05	3.43E-05	3.32E-05	1.05E-06	8.20E-08	4.31E-07	2.30E-08	1.69E-04
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-07	1.89E-08	6.40E-08	0.00E+00	3.25E-07
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-08	0.00E+00	5.07E-08
21	1	2.21E-04	3.40E-05	8.72E-05	8.44E-05	3.58E-06	2.80E-07	0.00E+00	0.00E+00	4.30E-04
22	1	1.32E-04	2.04E-05	5.22E-05	5.05E-05	1.01E-06	7.92E-08	3.01E-07	2.05E-08	2.57E-04
23	1	1.22E-05	1.88E-06	4.82E-06	4.67E-06	8.05E-08	6.30E-09	4.25E-08	1.30E-08	2.37E-05
24	1	2.31E-04	3.57E-05	9.15E-05	8.86E-05	1.56E-06	1.22E-07	4.11E-07	0.00E+00	4.49E-04
25	1	7.07E-05	1.09E-05	2.80E-05	2.71E-05	4.76E-08	3.73E-09	1.26E-08	8.56E-09	1.37E-04
26	1	8.11E-06	1.25E-06	3.20E-06	3.10E-06	7.50E-08	5.87E-09	5.94E-08	1.75E-08	1.58E-05
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-09	1.12E-09
28	1	2.28E-05	3.52E-06	9.01E-06	8.72E-06	2.62E-07	2.05E-08	1.39E-07	3.77E-08	4.45E-05
29	1	7.82E-04	1.21E-04	3.09E-04	2.99E-04	6.58E-05	5.15E-06	0.00E+00	3.04E-07	1.58E-03
30	1	3.30E-03	5.10E-04	1.31E-03	1.26E-03	2.57E-04	2.01E-05	0.00E+00	1.24E-06	6.66E-03
31	1	3.52E-03	5.43E-04	1.39E-03	1.35E-03	4.44E-05	3.47E-06	0.00E+00	0.00E+00	6.85E-03

World Logistics Center

Entrained Road Dust

Calculation Parameters - Median Vehicle Weight

Vehicle Class	Averaged Weight Tons
Pass, LHDT,MDT	2.13
LHDT	5.63
MHDT	11.75
HHDT	23.25

Calculation Parameters - Silt Loading

	Road Type	Silt Loading (g/m2)
Freeway	F	0.022
Arterial, Major Collector	A	0.035
Minor Collector	M	0.32

Particle Size Multiplier for PM10 = 0.0022 lb/VMT

Roadway Segment	Road Type	Segment Length (m)	Segment Length (mi)	Pass (trips/Day)	Daily Pass VMT	LHDT (trips/day)	Daily LHDT VMT	MHDT (trips/day)	Daily MHDT VMT	HHDT (trips/day)	Daily HHDT VMT	Daily Total VMT	Average Vehicle Wt (tons)	Silt Loading (g/m2)	Emission Factor (lb/VMT)	Entrained Dust (lb/day)	Emissions (g/sec)
1	A	327	0.20	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
2	A	614	0.38	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
3	A	1181	0.73	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
4	A	934	0.58	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
5	A	1060	0.66	1,731	1140	0	0	1	1	0	0	1140	2.14	0.035	0.0002	0.3	1.35E-03
6	A	1163	0.72	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
7	M	535	0.33	0	0	0	0	1	0	0	0	0	11.75	0.32	0.0096	0.0	1.68E-05
8	A	1143	0.71	1,016	721	7	5	8	6	0	0	732	2.23	0.035	0.0002	0.2	9.07E-04
11	A	1201	0.75	6,073	4531	69	51	68	51	0	0	4633	2.27	0.035	0.0002	1.1	5.86E-03
12	A	824	0.51	11,166	5716	356	182	105	54	64	33	5984	2.44	0.035	0.0003	1.5	8.13E-03
14	A	897	0.56	6,483	3613	209	116	151	84	337	188	4001	3.43	0.035	0.0004	1.5	7.68E-03
15	A	734	0.46	4,340	1979	0	0	0	0	0	0	1979	2.13	0.035	0.0002	0.4	2.34E-03
18	A	780	0.48	772	374	9	4	14	7	10	5	390	2.60	0.035	0.0003	0.1	5.65E-04
18a	A	648	0.40	772	311	9	4	14	6	11	4	324	2.62	0.035	0.0003	0.1	4.75E-04
19	A	1347	0.84	0	0	1	1	1	1	0	0	2	8.69	0.035	0.0009	0.0	8.31E-06
20	A	1067	0.66	0	0	0	0	1	1	0	0	1	11.75	0.035	0.0013	0.0	4.48E-06
21	A	664	0.41	1,914	789	30	12	0	0	0	0	802	2.18	0.035	0.0002	0.2	9.73E-04
22	A	704	0.44	1,081	473	8	3	9	4	9	4	484	2.41	0.035	0.0003	0.1	6.48E-04
23	M	448	0.28	157	44	1	0	2	1	9	3	47	3.39	0.32	0.0027	0.1	6.70E-04
24	A	1443	0.90	924	828	6	5	6	5	0	0	839	2.21	0.035	0.0002	0.2	1.03E-03
25	A	265	0.16	1,538	253	1	0	1	0	10	2	255	2.27	0.035	0.0002	0.1	3.23E-04
26	M	417	0.26	112	29	1	0	3	1	13	3	33	4.51	0.32	0.0036	0.1	6.37E-04
27	M	347	0.22	0	0	0	0	0	0	1	0	0	23.25	0.32	0.0193	0.0	2.19E-05
28	A	1459	0.91	90	82	1	1	2	2	8	7	92	4.03	0.035	0.0004	0.0	2.07E-04
29	A	564	0.35	7,991	2800	649	227	0	0	167	59	3086	2.79	0.035	0.0003	0.9	4.80E-03
30	A	2174	1.35	8,754	11822	658	889	0	0	177	239	12950	2.76	0.035	0.0003	3.8	2.00E-02
31	A	1563	0.97	12,987	12610	158	153	0	0	0	0	12763	2.17	0.035	0.0002	2.9	1.54E-02

Emission Assumptions

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for PM2.5 emissions
c) Emissions calculated for 2022

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr):	24
Facility operations for All Others (hr):	24

World Logistics Center

2022 **Phase 1**

Vehicle Running Exhaust Emissions **Pollutant** **PM2.5**

Travel to Building	**AERMOD Source ID**	**Diesel Vehicles (g/sec)**	**Non-Diesel Vehicles (g/sec)**	**Total (g/sec)**
High Cube	Phase 1	3.84E-03	4.57E-03	8.41E-03
Light Logistics	Phase 1	3.62E-05	4.90E-05	8.52E-05
Gas Compressor	Phase 1	1.21E-05	1.71E-05	2.91E-05
Fueling Station	Phase 1	1.39E-05	4.07E-06	1.80E-05
Total		3.90E-03	4.64E-03	8.54E-03

Vehicle Idling Emission Sources **Pollutant** **PM2.5**

Building	**AERMOD Source IDs**	**Diesel Vehicles Emissions (g/sec)**	**Non-Diesel Emissions (g/sec)**	**Total Emissions (g/sec)**
High Cube	Phase 1	1.00E-03	2.29E-05	1.03E-03
Light Logistics	Phase 1	1.96E-05	6.25E-07	2.03E-05
GasCompressor	Phase 1	8.47E-06	4.22E-07	8.89E-06
Fueling Station	Phase 1	3.08E-05	2.39E-07	3.10E-05
Total		1.06E-03	2.42E-05	1.09E-03

Total Onsite Emission

Runing Exhaust	8.54E-03	
Idling Emissions	1.09E-03	
Total	9.63E-03	g/sec
Size of Area Source	4600443	m2
Area Emission Rate	**2.09E-09**	**g/m2-sec**
Weighted Emission Ht (m)	2.55E+00	

World Logistics Center **2022** **Phase 1**

Vehicle Fleet Mix

	Building Size (sq-ft)	
High Cube Warehouse	21250000	
Light Logistics	200000	
Compression Station	30825	
Fueling Station/Convenience Store	3000	6 pumps
	21,483,825	

Trip Generation

	trips/day (Non-PCE)	Source
High Cube Warehouse	35700	<---- PB 2012 (100512)
Light Logistics	712	
Compression Station	247	
Fueling Station/Convenience Store	464	
Total	37123	

Vehicle Fleet for High Cube Warehouse

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	79.6%	51.92%	0.28%	41	14712	14753
LDT1		7.84%	0.12%	3	2225	2228
LDT2		20.47%	0.05%	3	5813	5816
MDT		19.78%	0.08%	5	5616	5620
SubTotal		100.0%		51	28366	28417
LHDT1 (2 axle truck)	3.5%	86.25%	36.99%	399	679	1078
LHDT2		13.75%	68.89%	118	53	172
Subtota;		100.0%		517	733	1250
MHDT (3 axle truck)	4.6%	100.0%	85.53%	1405	238	1642
HHDT (4+ axle truck)	12.3%	100.0%	99.01%	4348	43	4391
Total	100.0%			6321	29379	35700

Vehicle Fleet for Light Logistics

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	80.3%	51.92%	0.28%	1	296	297
LDT1		7.84%	0.12%	0	45	45
LDT2		20.47%	0.05%	0	117	117
MDT		19.78%	0.08%	0	113	113
SubTotal		100.0%		1	571	572
LHDT1 (2 axle truck)	5.2%	86.25%	36.99%	12	20	32
LHDT2		13.75%	68.89%	4	2	5
Subtota;		100.0%		15	22	37
MHDT (3 axle truck)	4.5%	100.0%	85.53%	27	5	32
HHDT (4+ axle truck)	10.0%	100.0%	99.01%	70	1	71
Total	100.0%			114	598	712

Vehicle Fleet for Gas Compression

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	77.2%	51.92%	0.28%	0	99	99
LDT1		7.84%	0.12%	0	15	15
LDT2		20.47%	0.05%	0	39	39
MDT		19.78%	0.08%	0	38	38
SubTotal		100.0%		0	190	190
LHDT1 (2 axle truck)	11.4%	86.25%	36.99%	9	15	24
LHDT2		13.75%	68.89%	3	1	4
Subtota;		100.0%		12	16	28
MHDT (3 axle truck)	2.6%	100.0%	85.53%	5	1	6
HHDT (4+ axle truck)	8.8%	100.0%	99.01%	21	0	22
Total	100.0%			39	208	247

Vehicle Fleet for Fueling Station/Convenience Store

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	51.4%	51.92%	0.28%	0	123	124
LDT1		7.84%	0.12%	0	19	19
LDT2		20.47%	0.05%	0	49	49
MDT		19.78%	0.08%	0	47	47
SubTotal		100.0%		0	238	238
LHDT1 (2 axle truck)	1.7%	86.25%	36.99%	3	4	7
LHDT2		13.75%	68.89%	1	0	1
Subtota;		100.0%		3	5	8
MHDT (3 axle truck)	7.8%	100.0%	85.53%	31	5	36
HHDT (4+ axle truck)	39.1%	100.0%	99.01%	180	2	181
Total	100.0%			214	250	464

Vehicle Summary (High Cube + Light Logistics + Gas Compressor + Fueling Station/Convenience Store)

Vehicle Class	Daily Diesel Trips	Daily Non Diesel Trips	Total Daily Trips
LDA	43	15230	15273
LDT1	3	2304	2306
LDT2	3	6018	6021
MDT	5	5813	5818
LHDT1	422	719	1141
LHDT2	125	57	182
MHDT	1468	248	1717
HHDT	4619	46	4665
Total	6688	30435	37123

Trip Generation from PB 2012 Traffic Study
Vehicle Fleet Mix taken from EMFAC2011 for the SCAQMD in **2022** and the PB 2012 Traffic Study
% Diesel taken from EMAC2011 for the SCAQMD in **2022**

World Logistics Center 2022 Phase 1
Diesel Vehicle Emissions PM2.5

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 24 **hrs/day, 52weeks/year**

Onsite Running Exhaust Emissions **PM2.5 Emissions**

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	**LDA**	15	0.034	41	950	0.59	8.15E-01	1.80E-03	9.43E-06	
	LDT1	15	0.060	3	950	0.59	9.75E-02	2.15E-04	1.13E-06	
	LDT2	15	0.041	3	950	0.59	6.93E-02	1.53E-04	8.03E-07	
	MDT	15	0.038	5	950	0.59	1.06E-01	2.33E-04	1.22E-06	
	LHDT1	15	0.077	399	950	0.59	1.80E+01	3.96E-02	2.08E-04	
	LHDT2	15	0.080	118	950	0.59	5.60E+00	1.23E-02	6.48E-05	
	MHDT	15	0.088	1405	950	0.59	7.32E+01	1.61E-01	8.47E-04	
	HHDT	15	0.091	4348	950	0.59	2.34E+02	5.15E-01	2.71E-03	
				6321			3.32E+02	7.31E-01	3.84E-03	3.84E-03
Travel at Light Logistics	**LDA**	15	0.034	1	500	0.31	8.63E-03	1.90E-05	9.99E-08	
	LDT1	15	0.060	0	500	0.31	1.03E-03	2.27E-06	1.19E-08	
	LDT2	15	0.041	0	500	0.31	7.34E-04	1.62E-06	8.50E-09	
	MDT	15	0.038	0	500	0.31	1.12E-03	2.47E-06	1.30E-08	
	LHDT1	15	0.077	12	500	0.31	2.81E-01	6.18E-04	3.25E-06	
	LHDT2	15	0.080	4	500	0.31	8.73E-02	1.92E-04	1.01E-06	
	MHDT	15	0.088	27	500	0.31	7.52E-01	1.66E-03	8.70E-06	
	HHDT	15	0.091	70	500	0.31	2.00E+00	4.40E-03	2.31E-05	
				114			3.13E+00	6.89E-03	3.62E-05	3.62E-05
Travel at Gas Compressor	**LDA**	15	0.034	0	500	0.31	2.87E-03	6.33E-06	3.33E-08	
	LDT1	15	0.060	0	500	0.31	3.44E-04	7.57E-07	3.98E-09	
	LDT2	15	0.041	0	500	0.31	2.44E-04	5.39E-07	2.83E-09	
	MDT	15	0.038	0	500	0.31	3.73E-04	8.21E-07	4.32E-09	
	LHDT1	15	0.077	9	500	0.31	2.13E-01	4.69E-04	2.47E-06	
	LHDT2	15	0.080	3	500	0.31	6.63E-02	1.46E-04	7.67E-07	
	MHDT	15	0.088	5	500	0.31	1.50E-01	3.31E-04	1.74E-06	
	HHDT	15	0.091	21	500	0.31	6.09E-01	1.34E-03	7.04E-06	
							1.04E+00	2.30E-03	1.21E-05	1.21E-05
Travel at Refueling Station	**LDA**	15	0.034	0	100	0.06	7.20E-04	1.59E-06	8.33E-09	
	LDT1	15	0.060	0	100	0.06	8.61E-05	1.90E-07	9.97E-10	
	LDT2	15	0.041	0	100	0.06	6.13E-05	1.35E-07	7.09E-10	
	MDT	15	0.038	0	100	0.06	9.34E-05	2.06E-07	1.08E-09	
	LHDT1	15	0.077	3	100	0.06	1.20E-02	2.63E-05	1.38E-07	
	LHDT2	15	0.080	1	100	0.06	3.72E-03	8.19E-06	4.30E-08	
	MHDT	15	0.088	31	100	0.06	1.70E-01	3.74E-04	1.97E-06	
	HHDT	15	0.091	180	100	0.06	1.02E+00	2.24E-03	1.18E-05	
				214						1.39E-05
Total - All Buildings	**LDA**			43			8.27E-01	1.82E-03	9.58E-06	
	LDT1			3			9.89E-02	2.18E-04	1.15E-06	
	LDT2			3			7.04E-02	1.55E-04	8.15E-07	
	MDT			5			1.07E-01	2.36E-04	1.24E-06	
	LHDT1			422			1.85E+01	4.08E-02	2.14E-04	
	LHDT2			125			5.75E+00	1.27E-02	6.66E-05	
	MHDT			1468			7.43E+01	1.64E-01	8.60E-04	
	HHDT			4619			2.38E+02	5.23E-01	2.75E-03	
	Total			6688			3.37E+02	7.43E-01	3.90E-03	3.90E-03

Diesel truck Idling Emissions **PM2.5 Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Peak Hour Emissions (g/day)	Peak Hour Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	**LHDT1**	0.282	15	199	1.40E+01	3.09E-02	1.62E-04	
	LHDT2	0.279	15	59	4.13E+00	9.09E-03	4.78E-05	
	MHDT	0.083	15	702	1.46E+01	3.21E-02	1.69E-04	
	HHDT	0.099	15	2174	5.39E+01	1.19E-01	6.23E-04	
				3135	8.66E+01	1.91E-01	1.00E-03	1.00E-03
Idle at Light Logistics	**LHDT1**	0.282	15	6	4.16E-01	9.16E-04	4.81E-06	
	LHDT2	0.279	15	2	1.22E-01	2.69E-04	1.42E-06	
	MHDT	0.083	15	14	2.85E-01	6.27E-04	3.29E-06	
	HHDT	0.099	15	35	8.73E-01	1.92E-03	1.01E-05	
				57	1.70E+00	3.74E-03	1.96E-05	1.96E-05
Idle at Gas Compressor	**LHDT1**	0.282	15	4	3.16E-01	6.96E-04	3.65E-06	
	LHDT2	0.279	15	1	9.29E-02	2.05E-04	1.07E-06	
	MHDT	0.083	15	3	5.70E-02	1.25E-04	6.59E-07	
	HHDT	0.099	15	11	2.66E-01	5.86E-04	3.08E-06	
				19	7.32E-01	1.61E-03	8.47E-06	8.47E-06
Idle at Fueling Station	**LHDT1**	0.282	15	1	8.86E-02	1.95E-04	1.03E-06	
	LHDT2	0.279	15	0	2.61E-02	5.74E-05	3.02E-07	
	MHDT	0.083	15	15	3.22E-01	7.08E-04	3.72E-06	
	HHDT	0.099	15	90	2.23E+00	4.90E-03	2.58E-05	
				107	2.66E+00	5.86E-03	3.08E-05	3.08E-05
TOTAL				3317	9.17E+01	2.02E-01	1.06E-03	1.06E-03

World Logistics Center 2022 Phase 1
Non-Diesel Vehicle Emissions PM2.5

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 24 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions PM2.5 Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	0.023	14712	950	0.59	1.95E+02	4.30E-01	2.26E-03	
	LDT1	15	0.025	2225	950	0.59	3.26E+01	7.18E-02	3.77E-04	
	LDT2	15	0.023	5813	950	0.59	7.73E+01	1.70E-01	8.95E-04	
	MDT	15	0.023	5616	950	0.59	7.56E+01	1.67E-01	8.75E-04	
	LHDT1	15	0.025	679	950	0.59	9.95E+00	2.19E-02	1.15E-04	
	LHDT2	15	0.019	53	950	0.59	6.10E-01	1.34E-03	7.06E-06	
	MHDT	15	0.019	238	950	0.59	2.68E+00	5.91E-03	3.11E-05	
	HHDT	15	0.019	43	950	0.59	4.80E-01	1.06E-03	5.55E-06	
				29379			3.95E+02	8.69E-01	4.57E-03	4.57E-03
Travel at Light Logistics	LDA	15	0.023	296	500	0.31	2.07E+00	4.56E-03	2.39E-05	
	LDT1	15	0.025	45	500	0.31	3.45E-01	7.60E-04	4.00E-06	
	LDT2	15	0.023	117	500	0.31	8.19E-01	1.80E-03	9.48E-06	
	MDT	15	0.023	113	500	0.31	8.01E-01	1.76E-03	9.27E-06	
	LHDT1	15	0.025	20	500	0.31	1.55E-01	3.42E-04	1.80E-06	
	LHDT2	15	0.019	2	500	0.31	9.51E-03	2.10E-05	1.10E-07	
	MHDT	15	0.019	5	500	0.31	2.76E-02	6.07E-05	3.19E-07	
	HHDT	15	0.019	1	500	0.31	4.09E-03	9.02E-06	4.74E-08	
				598			4.23E+00	9.32E-03	4.90E-05	4.90E-05
Travel at Gas Compressor	LDA	15	0.023	99	500	0.31	6.89E-01	1.52E-03	7.97E-06	
	LDT1	15	0.025	15	500	0.31	1.15E-01	2.53E-04	1.33E-06	
	LDT2	15	0.023	39	500	0.31	2.73E-01	6.01E-04	3.16E-06	
	MDT	15	0.023	38	500	0.31	2.67E-01	5.87E-04	3.09E-06	
	LHDT1	15	0.025	15	500	0.31	1.18E-01	2.59E-04	1.36E-06	
	LHDT2	15	0.019	1	500	0.31	7.22E-03	1.59E-05	8.36E-08	
	MHDT	15	0.019	1	500	0.31	5.52E-03	1.22E-05	6.39E-08	
	HHDT	15	0.019	0	500	0.31	1.25E-03	2.75E-06	1.44E-08	
				208			1.48E+00	3.25E-03	1.71E-05	1.71E-05
Travel at Fueling Station	LDA	15	0.023	123	100	0.06	1.73E-01	3.80E-04	2.00E-06	
	LDT1	15	0.025	19	100	0.06	2.88E-02	6.34E-05	3.33E-07	
	LDT2	15	0.023	49	100	0.06	6.83E-02	1.50E-04	7.91E-07	
	MDT	15	0.023	47	100	0.06	6.68E-02	1.47E-04	7.73E-07	
	LHDT1	15	0.025	4	100	0.06	6.61E-03	1.46E-05	7.65E-08	
	LHDT2	15	0.019	0	100	0.06	4.05E-04	8.93E-07	4.69E-09	
	MHDT	15	0.019	5	100	0.06	6.23E-03	1.37E-05	7.21E-08	
	HHDT	15	0.019	2	100	0.06	2.09E-03	4.60E-06	2.42E-08	
				250			3.52E-01	7.75E-04	4.07E-06	4.07E-06
Total - All Buildings	LDA			15230			1.98E+02	4.37E-01	2.30E-03	
	LDT1			2304			3.31E+01	7.29E-02	3.83E-04	
	LDT2			6018			7.85E+01	1.73E-01	9.08E-04	
	MDT			5813			7.68E+01	1.69E-01	8.88E-04	
	LHDT1			719			1.02E+01	2.25E-02	1.18E-04	
	LHDT2			57			6.27E-01	1.38E-03	7.26E-06	
	MHDT			248			2.72E+00	6.00E-03	3.15E-05	
	HHDT			46			4.87E-01	1.07E-03	5.64E-06	
				30435			4.01E+02	8.83E-01	4.64E-03	4.64E-03

Non-Diesel truck Idling Emissions **PM2.5 Emissions** Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Peak Hour Emissions (g/day)	Peak Hour Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	**LHDT1**	0.017	15	340	1.46E+00	3.21E-03	1.69E-05	
	LHDT2	0.012	15	27	8.30E-02	1.83E-04	9.60E-07	
	MHDT	0.012	15	119	3.69E-01	8.13E-04	4.27E-06	
	HHDT	0.012	15	22	6.75E-02	1.49E-04	7.81E-07	
				507	1.98E+00	4.36E-03	2.29E-05	2.29E-05
Idle at Light Logistics	**LHDT1**	0.02	15	10	4.32E-02	9.52E-05	5.00E-07	
	LHDT2	0.01	15	1	2.46E-03	5.42E-06	2.85E-08	
	MHDT	0.01	15	2	7.20E-03	1.59E-05	8.33E-08	
	HHDT	0.01	15	0	1.09E-03	2.41E-06	1.27E-08	
				14	5.40E-02	1.19E-04	6.25E-07	6.25E-07
Idle at Gas Compressor	**LHDT1**	0.02	15	8	3.28E-02	7.23E-05	3.80E-07	
	LHDT2	0.01	15	1	1.87E-03	4.11E-06	2.16E-08	
	MHDT	0.01	15	0	1.44E-03	3.17E-06	1.67E-08	
	HHDT	0.01	15	0	3.34E-04	7.35E-07	3.86E-09	
				9	3.65E-02	8.03E-05	4.22E-07	4.22E-07
Idle at Fueling Station	**LHDT1**	0.017	15	2	9.21E-03	2.03E-05	1.07E-07	
	LHDT2	0.012	15	0	5.24E-04	1.15E-06	6.06E-09	
	MHDT	0.012	15	3	8.13E-03	1.79E-05	9.41E-08	
	HHDT	0.012	15	1	2.79E-03	6.14E-06	3.23E-08	
				6	2.07E-02	4.55E-05	2.39E-07	2.39E-07
TOTAL				535	2.09E+00	4.60E-03	2.42E-05	2.42E-05

World Logistics Center **2022** **Phase 2** Assumes MY2010 for Diesel MHDT and HHDT
PM2.5 Emissions

Emission Assumptions

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Exhaust and Idling Emissions
(1) EMFAC2011
(a) Calculations for Riverside County
(c) Truck Mix
EMFAC2011/Traffic Impact Study used to derive fleet mix
EMFAC2011 to derive the number of diesel truck vehicles
(d) Truck Idle Time: 15 minutes (truck idling only applies to HDT vehicles)
(e) Vehicle Travel Speed
Onsite Travel 15 mph
b) Emission factors for PM2.5 emissions
c) Emissions calculated for 2022

Traffic Allocation

1) Onsite Traffic was allocated to an area source corresponding to each phase
2) Trip generation from traffic impact study
3) Onsite travel emssions generated from diesel and non-diesel vehicles
4) Onsite idling emissions generated only by heavy duty trucks

Emission Source Configuration

1) Vehicle traffic represented by an area source
2) Onsite idling represented by an area source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
High Cube	950
Light Logistics	500
Gas Compressor	500
Building 4	100

Other Input Parameters

Facility Operations for Warehouses (hr): 24
Facility operations for All Others (hr): 24

World Logistics Center

2022 **Phase 2**

Vehicle Running Exhaust Emissions **Pollutant** **PM2.5**

Travel to Building	**AERMOD Source ID**	**Diesel Vehicles (g/sec)**	**Non-Diesel Vehicles (g/sec)**	**Total (g/sec)**
High Cube	Phase 2	3.64E-03	4.33E-03	7.98E-03
Light Logistics	Phase 2	0.00E+00	0.00E+00	0.00E+00
Gas Compressor	Phase 2	0.00E+00	0.00E+00	0.00E+00
Fueling Station	Phase 2	3.30E-06	9.66E-07	4.27E-06
Total		3.65E-03	4.33E-03	7.98E-03

Vehicle Idling Emission Sources **Pollutant** **PM2.5**

Building	**AERMOD Source IDs**	**Diesel Vehicles Emissions (g/sec)**	**Non-Diesel Emissions (g/sec)**	**Total Emissions (g/sec)**
High Cube	Phase 2	9.51E-04	1.69E-05	9.67E-04
Light Logistics	Phase 2	0.00E+00	0.00E+00	0.00E+00
GasCompressor	Phase 2	0.00E+00	0.00E+00	0.00E+00
Fueling Station	Phase 2	7.30E-06	2.67E-08	7.33E-06
Total		9.58E-04	1.69E-05	9.75E-04

Total Onsite Emission

Runing Exhaust	7.98E-03	
Idling Emissions	9.75E-04	
Total	8.95E-03	g/sec
Size of Area Source	4565134	m2
Area Emission Rate	**1.96E-09**	**g/m2-sec**
Weighted Emission Ht (m)	2.54E+00	

World Logistics Center **2022** **Phase 2**

Vehicle Fleet Mix

	Building Size (sq-ft)	
High Cube Warehouse	20150000	
Light Logistics	0	
Compression Station	0	
Fueling Station/Convenience Store	0	6 pumps
	20,150,000	

Trip Generation

	trips/day (Non-PCE)	Source
High Cube Warehouse	33852	<---- PB 2012 (100512)
Light Logistics	0	
Compression Station	0	
Fueling Station/Convenience Store	110	
Total	33962	

Vehicle Fleet for High Cube Warehouse

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	79.6%	51.92%	0.28%	39	13956	13995
LDT1		7.84%	0.12%	3	2111	2113
LDT2		20.47%	0.05%	3	5514	5517
MDT		19.78%	0.08%	4	5327	5331
SubTotal		100.0%		49	26908	26956
LHDT1 (2 axle truck)	3.5%	86.25%	36.99%	378	644	1022
LHDT2		13.75%	68.89%	112	51	163
Subtota;		100.0%		490	695	1185
MHDT (3 axle truck)	4.6%	100.0%	85.53%	1332	225	1557
HHDT (4+ axle truck)	12.3%	100.0%	99.01%	4123	41	4164
Total	100.0%			5993	27869	33862

Vehicle Fleet for Light Logistics

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	80.3%	51.92%	0.28%	0	0	0
LDT1		7.84%	0.12%	0	0	0
LDT2		20.47%	0.05%	0	0	0
MDT		19.78%	0.08%	0	0	0
SubTotal		100.0%		0	0	0
LHDT1 (2 axle truck)	5.2%	86.25%	36.99%	0	0	0
LHDT2		13.75%	68.89%	0	0	0
Subtota;		100.0%		0	0	0
MHDT (3 axle truck)	4.5%	100.0%	85.53%	0	0	0
HHDT (4+ axle truck)	10.0%	100.0%	99.01%	0	0	0
Total	100.0%			0	0	0

Vehicle Fleet for Gas Compression

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	77.2%	51.92%	0.28%	0	0	0
LDT1		7.84%	0.12%	0	0	0
LDT2		20.47%	0.05%	0	0	0
MDT		19.78%	0.08%	0	0	0
SubTotal		100.0%		0	0	0
LHDT1 (2 axle truck)	11.4%	86.25%	36.99%	0	0	0
LHDT2		13.75%	68.89%	0	0	0
Subtota;		100.0%		0	0	0
MHDT (3 axle truck)	2.6%	100.0%	85.53%	0	0	0
HHDT (4+ axle truck)	8.8%	100.0%	99.01%	0	0	0
Total	100.0%			0	0	0

Vehicle Fleet for Fueling Station/Convenience Store

Vehicle Class	PB 2012 Vehicle Distribution	EMFAC2011 Vehicle Mix	EMFAC2011 % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	51.4%	51.92%	0.28%	0	29	29
LDT1		7.84%	0.12%	0	4	4
LDT2		20.47%	0.05%	0	12	12
MDT		19.78%	0.08%	0	11	11
SubTotal		100.0%		0	56	57
LHDT1 (2 axle truck)	1.7%	86.25%	36.99%	1	1	2
LHDT2		13.75%	68.89%	0	0	0
Subtota;		100.0%		1	1	2
MHDT (3 axle truck)	7.8%	100.0%	85.53%	7	1	9
HHDT (4+ axle truck)	39.1%	100.0%	99.01%	43	0	43
Total	100.0%			51	59	110

Vehicle Summary (High Cube + Light Logistics + Gas Compressor + Fueling Station/Convenience Store)

Vehicle Class	Daily Diesel Trips	Daily Non Diesel Trips	Total Daily Trips
LDA	39	13985	14024
LDT1	3	2115	2118
LDT2	3	5526	5528
MDT	4	5338	5343
LHDT1	379	645	1024
LHDT2	112	51	163
MHDT	1339	227	1566
HHDT	4165	42	4207
Total	6044	27928	33972

Trip Generation from PB 2012 Traffic Study
Vehicle Fleet Mix taken from EMFAC2011 for the SCAQMD in **2022** and the PB 2012 Traffic Study
% Diesel taken from EMAC2011 for the SCAQMD in **2022**

World Logistics Center 2022 Phase 2
Diesel Vehicle Emissions PM2.5

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 24 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions PM2.5 Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouses	LDA	15	0.034	39	950	0.59	7.73E-01	1.70E-03	8.95E-06	
	LDT1	15	0.060	3	950	0.59	9.25E-02	2.04E-04	1.07E-06	
	LDT2	15	0.041	3	950	0.59	6.58E-02	1.45E-04	7.61E-07	
	MDT	15	0.038	4	950	0.59	1.00E-01	2.21E-04	1.16E-06	
	LHDT1	15	0.077	378	950	0.59	1.71E+01	3.76E-02	1.98E-04	
	LHDT2	15	0.080	112	950	0.59	5.31E+00	1.17E-02	6.14E-05	
	MHDT	15	0.088	1332	950	0.59	6.94E+01	1.53E-01	8.03E-04	
	HHDT	15	0.091	4123	950	0.59	2.22E+02	4.89E-01	2.57E-03	
				5993			3.15E+02	6.93E-01	3.64E-03	3.64E-03
Travel at Light Logistics	LDA	15	0.034	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.060	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.041	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.038	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.077	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.080	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.088	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	0.091	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Gas Compressor	LDA	15	0.034	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.060	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.041	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.038	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.077	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.080	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.088	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	0.091	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
							0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Refueling Station	LDA	15	0.034	0	100	0.06	1.71E-04	3.76E-07	1.98E-09	
	LDT1	15	0.060	0	100	0.06	2.04E-05	4.50E-08	2.36E-10	
	LDT2	15	0.041	0	100	0.06	1.45E-05	3.20E-08	1.68E-10	
	MDT	15	0.038	0	100	0.06	2.22E-05	4.88E-08	2.56E-10	
	LHDT1	15	0.077	1	100	0.06	2.84E-03	6.25E-06	3.28E-08	
	LHDT2	15	0.080	0	100	0.06	8.82E-04	1.94E-06	1.02E-08	
	MHDT	15	0.088	7	100	0.06	4.03E-02	8.87E-05	4.66E-07	
	HHDT	15	0.091	43	100	0.06	2.41E-01	5.31E-04	2.79E-06	
				51						3.30E-06
Total - All Buildings	LDA			39			7.73E-01	1.70E-03	8.95E-06	
	LDT1			3			9.25E-02	2.04E-04	1.07E-06	
	LDT2			3			6.58E-02	1.45E-04	7.61E-07	
	MDT			4			1.00E-01	2.21E-04	1.16E-06	
	LHDT1			379			1.71E+01	3.76E-02	1.98E-04	
	LHDT2			112			5.31E+00	1.17E-02	6.14E-05	
	MHDT			1339			6.94E+01	1.53E-01	8.04E-04	
	HHDT			4165			2.22E+02	4.89E-01	2.57E-03	
	Total			6044			3.15E+02	6.94E-01	3.65E-03	3.65E-03

Diesel truck Idling Emissions PM2.5 Emissions Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Peak Hour Emissions (g/day)	Peak Hour Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouses	LHDT1	0.282	15	189	1.33E+01	2.93E-02	1.54E-04	
	LHDT2	0.279	15	56	3.91E+00	8.62E-03	4.53E-05	
	MHDT	0.083	15	666	1.38E+01	3.05E-02	1.60E-04	
	HHDT	0.099	15	2061	5.11E+01	1.12E-01	5.91E-04	
				2972	8.21E+01	1.81E-01	9.51E-04	9.51E-04
Idle at Light Logistics	LHDT1	0.282	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	0.279	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	0.083	15	0	0.00E+00	0.00E+00	0.00E+00	

	HHDT	0.099	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Gas Compressor	**LHDT1**	0.282	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	0.279	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	0.083	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.099	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Fueling Station	**LHDT1**	0.282	15	0	2.10E-02	4.63E-05	2.43E-07	
	LHDT2	0.279	15	0	6.18E-03	1.36E-05	7.15E-08	
	MHDT	0.083	15	4	7.62E-02	1.68E-04	8.82E-07	
	HHDT	0.099	15	21	5.28E-01	1.16E-03	6.11E-06	
				25	6.31E-01	1.39E-03	7.30E-06	7.30E-06
TOTAL				2998	8.28E+01	1.82E-01	9.58E-04	9.58E-04

World Logistics Center 2022 Phase 2
Non-Diesel Vehicle Emissions PM2.5

Processes Modeled
Non-Diesel vehicle exhaust
Non-Diesel vehicle idling

Facility Operations: 24 hrs/day, 52weeks/year

Onsite Running Exhaust Emissions PM2.5 Emissions

Link	Truck Type	Average Speed (mph)	Emission Factor (g/mi)	Trips per Day (in and out)	Trip Length (m)	Trip Length (mi)	Emissions Over Link (g/day)	Emissions (lbs/day)	Daily Average Emissions (g/sec)	Total Daily Emissions for all Vehicles (g/sec)
Travel at High Cube Warehouse	LDA	15	0.023	13956	950	0.59	1.85E+02	4.08E-01	2.15E-03	
	LDT1	15	0.025	2111	950	0.59	3.09E+01	6.81E-02	3.58E-04	
	LDT2	15	0.023	5514	950	0.59	7.34E+01	1.62E-01	8.49E-04	
	MDT	15	0.023	5327	950	0.59	7.17E+01	1.58E-01	8.30E-04	
	LHDT1	15	0.025	644	950	0.59	9.43E+00	2.08E-02	1.09E-04	
	LHDT2	15	0.019	51	950	0.59	5.78E-01	1.27E-03	6.69E-06	
	MHDT	15	0.019	225	950	0.59	2.55E+00	5.61E-03	2.95E-05	
	HHDT	15	0.019	41	950	0.59	4.55E-01	1.00E-03	5.27E-06	
				27869			3.74E+02	8.25E-01	4.33E-03	4.33E-03
Travel at Light Logistics	LDA	15	0.023	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.025	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.023	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.023	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.025	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.019	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.019	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	0.019	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Gas Compressor	LDA	15	0.023	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT1	15	0.025	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LDT2	15	0.023	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MDT	15	0.023	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT1	15	0.025	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	15	0.019	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	MHDT	15	0.019	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
	HHDT	15	0.019	0	500	0.31	0.00E+00	0.00E+00	0.00E+00	
				0			0.00E+00	0.00E+00	0.00E+00	0.00E+00
Travel at Fueling Station	LDA	15	0.023	29	100	0.06	4.09E-02	9.01E-05	4.74E-07	
	LDT1	15	0.025	4	100	0.06	6.83E-03	1.50E-05	7.90E-08	
	LDT2	15	0.023	12	100	0.06	1.62E-02	3.57E-05	1.87E-07	
	MDT	15	0.023	11	100	0.06	1.58E-02	3.49E-05	1.83E-07	
	LHDT1	15	0.025	1	100	0.06	1.57E-03	3.45E-06	1.81E-08	
	LHDT2	15	0.019	0	100	0.06	9.61E-05	2.12E-07	1.11E-09	
	MHDT	15	0.019	1	100	0.06	1.48E-03	3.25E-06	1.71E-08	
	HHDT	15	0.019	0	100	0.06	4.95E-04	1.09E-06	5.73E-09	
				59			8.34E-02	1.84E-04	9.66E-07	9.66E-07
Total - All Buildings	LDA			13985			1.85E+02	4.08E-01	2.15E-03	
	LDT1			2115			3.09E+01	6.81E-02	3.58E-04	
	LDT2			5526			7.34E+01	1.62E-01	8.49E-04	
	MDT			5338			7.17E+01	1.58E-01	8.30E-04	
	LHDT1			645			9.44E+00	2.08E-02	1.09E-04	
	LHDT2			51			5.79E-01	1.27E-03	6.70E-06	
	MHDT			227			2.55E+00	5.61E-03	2.95E-05	
	HHDT			42			4.55E-01	1.00E-03	5.27E-06	
				27928			3.74E+02	8.25E-01	4.33E-03	4.33E-03

Non-Diesel truck Idling Emissions PM2.5 Emissions Idle Time (minutes) 15

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Idling Vehicles/Day	Peak Hour Emissions (g/day)	Peak Hour Emissions (lb/day)	Average Emissions (g/sec)	Total Emissions for all Vehicles (g/sec)
Idle at High Cube Warehouse	LHDT1	0.017	15	322	1.38E+00	3.05E-03	1.60E-05	
	LHDT2	0.012	15	25	7.87E-02	1.73E-04	9.11E-07	
	MHDT	0.000	15	113	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.000	15	21	0.00E+00	0.00E+00	0.00E+00	
				481	1.46E+00	3.22E-03	1.69E-05	1.69E-05
Idle at Light Logistics	LHDT1	0.02	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	0.01	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	0.00	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.00	15	0	0.00E+00	0.00E+00	0.00E+00	

				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Gas Compressor	**LHDT1**	0.02	15	0	0.00E+00	0.00E+00	0.00E+00	
	LHDT2	0.01	15	0	0.00E+00	0.00E+00	0.00E+00	
	MHDT	0.00	15	0	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.00	15	0	0.00E+00	0.00E+00	0.00E+00	
				0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Idle at Fueling Station	**LHDT1**	0.017	15	1	2.18E-03	4.81E-06	2.53E-08	
	LHDT2	0.012	15	0	1.24E-04	2.74E-07	1.44E-09	
	MHDT	0.000	15	1	0.00E+00	0.00E+00	0.00E+00	
	HHDT	0.000	15	0	0.00E+00	0.00E+00	0.00E+00	
				1	2.31E-03	5.08E-06	2.67E-08	2.67E-08
TOTAL				482	1.46E+00	3.23E-03	1.69E-05	1.69E-05

World Logistics Center **2022** **PM2.5** Based on PB Traffic Results 10/23/2012
Project-Related Emissions **Phase 1 + Phase 2** Assumes MY2010 for Diesel MHDT and HHDT
Internal Roadway Circulation NoR

Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Entrained Dust (g/sec)	Total Emissions (g/sec)	Weighted Release Height (m)
1	1.16E-03	6.73E-04	4.43E-03	6.27E-03	1.6
2	4.76E-03	2.07E-03	1.73E-02	2.41E-02	1.6
3	3.43E-03	1.53E-03	1.25E-02	1.74E-02	1.6
4	2.60E-04	6.34E-04	1.38E-03	2.28E-03	1.3
5	5.05E-04	1.28E-03	2.67E-03	4.45E-03	1.3
6	3.31E-03	1.69E-03	1.22E-02	1.72E-02	1.6
7	3.99E-04	2.60E-04	1.14E-02	1.21E-02	1.1
8	7.25E-04	1.99E-03	3.95E-03	6.67E-03	1.3
11	1.51E-05	4.67E-05	8.89E-05	1.51E-04	1.3
12	1.06E-04	1.22E-04	3.63E-04	5.91E-04	1.5
14	4.80E-04	3.13E-04	1.83E-03	2.63E-03	1.5
15	5.66E-04	3.37E-04	2.06E-03	2.96E-03	1.6
18	3.01E-04	2.01E-04	1.14E-03	1.64E-03	1.6
18a	9.64E-05	9.00E-05	3.85E-04	5.72E-04	1.5
19	1.30E-03	5.41E-04	4.72E-03	6.56E-03	1.6
20	2.03E-04	3.58E-04	9.74E-04	1.53E-03	1.4
21	1.03E-03	8.57E-04	4.05E-03	5.93E-03	1.5
22	1.09E-03	9.09E-04	4.30E-03	6.30E-03	1.5
23	5.95E-04	3.74E-04	1.69E-02	1.78E-02	1.1
24	1.23E-03	1.38E-03	5.31E-03	7.93E-03	1.5
25	5.72E-04	4.11E-04	2.26E-03	3.24E-03	1.5
26	5.39E-04	3.07E-04	1.52E-02	1.60E-02	1.1
27	3.23E-04	1.88E-04	9.08E-03	9.59E-03	1.1
28	7.89E-04	4.86E-04	2.99E-03	4.27E-03	1.6
29	9.86E-04	4.89E-04	3.68E-03	5.16E-03	1.6
30	4.07E-03	2.14E-03	1.52E-02	2.14E-02	1.6
31	7.04E-04	1.31E-03	3.58E-03	5.59E-03	1.4
				2.11E-01	

World Logistics Center 2022
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011 @ All Speeds

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	22,213,285
LDT1-GAS	3,359,747
LDT2-GAS	8,776,768
MDT-GAS	8,478,946
LHDT1-GAS	1,438,460
LHDT2-GAS	113,224
MHDT-GAS	87,254
HHDT-GAS	21,705
Subtotal	44489389
DSL Vehicle Class	
LDA-DSL	62,127.77
LDT1-DSL	4,176.15
LDT2-DSL	4,311.57
MDT-DSL	7,126.31
LHDT1-DSL	844,299.02
LHDT2-DSL	250,743.90
MHDT-DSL	515,587.56
HHDT-DSL	2,169,783.95
Subtotal	3858156
Grand Total	48347545

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	22213285	62128	22275413	51.92%	99.7%	0.28%
LDT1		3359747	4176	3363924	7.84%	99.9%	0.12%
LDT2		8776768	4312	8781080	20.47%	100.0%	0.05%
MDT		8478946	7126	8486072	19.78%	99.9%	0.08%
Subtotal		42828746	77742	42906488	100.00%	99.8%	0.18%
LHDT1	Light Heavy Truck	1438460	844299	2282759	86.25%	63.0%	36.99%
LHDT2		113224	250744	363968	13.75%	31.1%	68.89%
Subtotal		1551684	1095043	2646727			
MHDT	Medium Heavy Truck	87254	515588	602841	100%	14.5%	85.53%
HHDT	Heavy Heavy Truck	21705	2169784	2191489	100%	1.0%	99.01%

World Logistics Center **2022** **PM2.5** **Phase 1 + Phase 2**

Project-Related Emissions
Roadway Circulation

Project Operations: 24 hours/day

Vehicle Fleet Trips - Diesel (% Vehicle Class)

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.14%	0.01%	0.01%	0.02%	31.90%	9.47%	85.53%	99.01%

Vehicle Trips

Roadway Segment	Total Daily Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2 DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)
1	20633	14,122	488	1,457	4,566	327	0.203	20	1	1	2	156	46	1246	4521	5994
2	37123	22,455	1,696	3,128	9,844	614	0.381	33	2	2	4	541	161	2675	9747	13164
3	14169	8,661	657	1,178	3,673	1181	0.734	13	1	1	1	210	62	1007	3637	4932
4	5310	4,655	207	363	85	934	0.580	7	0	0	1	66	20	310	84	489
5	9393	8,253	368	702	70	1060	0.658	12	1	1	1	117	35	600	69	837
6	15147	9,751	628	1,234	3,534	1163	0.722	14	1	1	2	200	59	1055	3499	4832
7	4720	3,289	182	363	886	535	0.332	5	0	0	1	58	17	310	877	1269
8	13520	11,947	557	1,016	0	1143	0.710	17	1	1	2	178	53	869	0	1121
11	299	266	14	19	0	1201	0.746	0	0	0	0	4	1	16	0	23
12	1291	912	205	174	0	824	0.512	1	0	0	0	65	19	149	0	235
14	3405	2,322	218	236	629	897	0.557	3	0	0	0	70	21	202	623	919
15	4633	2,822	687	323	801	734	0.456	4	0	0	0	219	65	276	793	1359
18	2494	1,716	146	206	426	780	0.485	2	0	0	0	47	14	176	422	661
18a	1242	945	48	103	146	648	0.403	1	0	0	0	15	5	88	145	254
19	4492	2,691	174	377	1,250	1347	0.837	4	0	0	0	56	16	322	1238	1637
20	2712	2,310	86	183	133	1067	0.663	3	0	0	0	27	8	157	132	328
21	11815	8,774	453	949	1,639	664	0.412	13	1	1	1	145	43	812	1623	2638
22	11827	8,774	453	960	1,640	704	0.437	13	1	1	1	145	43	821	1624	2648
23	8190	5,658	300	667	1,565	448	0.278	8	1	1	1	96	28	570	1549	2254
24	8264	6,616	210	522	916	1443	0.896	10	1	1	1	67	20	446	907	1452
25	14675	10,643	387	976	2,669	265	0.165	15	1	1	2	123	37	835	2643	3657
26	7421	4,984	263	580	1,594	417	0.259	7	0	1	1	84	25	496	1578	2192
27	5423	3,650	214	436	1,123	347	0.216	5	0	0	1	68	20	373	1112	1580
28	3288	2,262	116	259	651	1459	0.906	3	0	0	0	37	11	222	645	918
29	9117	5,897	264	671	2,285	564	0.350	9	1	1	1	84	25	574	2262	2956
30	10148	6,681	306	769	2,392	2174	1.351	10	1	1	1	98	29	658	2368	3165
31	6718	5,815	145	361	397	1563	0.971	8	1	1	1	46	14	309	393	772

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors (g/mi)

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.0257	0.0386	0.0294	0.0279	0.0624	0.0675	0.0840	0.0830
2	0.0248	0.0339	0.0275	0.0265	0.0514	0.0567	0.0894	0.0934
3	0.0247	0.0350	0.0277	0.0265	0.0553	0.0606	0.0847	0.0843
4	0.0266	0.0351	0.0292	0.0282	0.0495	0.0548	0.0984	0.1264

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	Total (g/sec)
1	1	1.23E-06	1.25E-07	9.82E-08	1.54E-07	2.28E-05	7.34E-06	2.46E-04	8.82E-04	1.16E-03
2	1	3.69E-06	3.72E-07	2.93E-07	4.59E-07	1.49E-04	4.79E-05	9.92E-04	3.57E-03	4.76E-03
3	1	2.73E-06	2.76E-07	2.17E-07	3.40E-07	1.11E-04	3.57E-05	7.18E-04	2.56E-03	3.43E-03
4	1	1.16E-06	1.17E-07	9.24E-08	1.45E-07	2.76E-05	8.90E-06	1.75E-04	4.69E-05	2.60E-04
5	1	2.34E-06	2.36E-07	1.86E-07	2.91E-07	5.58E-05	1.79E-05	3.84E-04	4.38E-05	5.05E-04
6	1	3.03E-06	3.06E-07	2.41E-07	3.77E-07	1.04E-04	3.36E-05	7.41E-04	2.43E-03	3.31E-03
7	1	4.70E-07	4.75E-08	3.74E-08	5.86E-08	1.39E-05	4.48E-06	1.00E-04	2.80E-04	3.99E-04
8	1	3.65E-06	3.69E-07	2.90E-07	4.54E-07	9.10E-05	2.93E-05	6.00E-04	0.00E+00	7.25E-04
11	1	8.54E-08	8.63E-09	6.79E-09	1.06E-08	2.40E-06	7.74E-07	1.18E-05	0.00E+00	1.51E-05
12	1	2.01E-07	2.03E-08	1.60E-08	2.50E-08	2.42E-05	7.77E-06	7.40E-05	0.00E+00	1.06E-04
14	1	5.57E-07	5.63E-08	4.43E-08	6.93E-08	2.80E-05	9.00E-06	1.09E-04	3.33E-04	4.80E-04
15	1	5.54E-07	5.60E-08	4.40E-08	6.89E-08	7.21E-05	2.32E-05	1.22E-04	3.47E-04	5.66E-04
18	1	3.58E-07	3.62E-08	2.85E-08	4.45E-08	1.63E-05	5.24E-06	8.30E-05	1.96E-04	3.01E-04
18a	1	1.64E-07	1.65E-08	1.30E-08	2.04E-08	4.45E-06	1.43E-06	3.45E-05	5.59E-05	9.64E-05
19	1	9.69E-07	9.79E-08	7.71E-08	1.21E-07	3.35E-05	1.08E-05	2.62E-04	9.95E-04	1.30E-03
20	1	6.59E-07	6.66E-08	5.24E-08	8.20E-08	1.31E-05	4.22E-06	1.01E-04	8.38E-05	2.03E-04
21	1	1.56E-06	1.57E-07	1.24E-07	1.94E-07	4.30E-05	1.38E-05	3.25E-04	6.43E-04	1.03E-03
22	1	1.65E-06	1.67E-07	1.31E-07	2.06E-07	4.56E-05	1.47E-05	3.49E-04	6.82E-04	1.09E-03
23	1	6.77E-07	6.85E-08	5.39E-08	8.43E-08	1.92E-05	6.18E-06	1.54E-04	4.14E-04	5.95E-04
24	1	2.55E-06	2.58E-07	2.03E-07	3.18E-07	4.33E-05	1.39E-05	3.89E-04	7.81E-04	1.23E-03
25	1	7.54E-07	7.62E-08	6.00E-08	9.38E-08	1.47E-05	4.72E-06	1.34E-04	4.18E-04	5.72E-04
26	1	5.55E-07	5.61E-08	4.42E-08	6.92E-08	1.57E-05	5.05E-06	1.25E-04	3.93E-04	5.39E-04
27	1	3.39E-07	3.42E-08	2.69E-08	4.21E-08	1.06E-05	3.42E-06	7.81E-05	2.30E-04	3.23E-04
28	1	8.82E-07	8.91E-08	7.02E-08	1.10E-07	2.42E-05	7.79E-06	1.95E-04	5.61E-04	7.89E-04
29	1	8.89E-07	8.98E-08	7.07E-08	1.11E-07	2.13E-05	6.85E-06	1.95E-04	7.61E-04	9.86E-04
30	1	3.88E-06	3.92E-07	3.09E-07	4.83E-07	9.51E-05	3.06E-05	8.63E-04	3.07E-03	4.07E-03
31	1	2.43E-06	2.46E-07	1.93E-07	3.02E-07	3.24E-05	1.04E-05	2.91E-04	3.67E-04	7.04E-04

World Logistics Center **2022** **PM2.5** **Phase 1 + Phase 2**

Project-Related Emissions
Roadway Circulation

Project Operations: 24 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
51.77%	7.83%	20.46%	19.76%	54.35%	4.28%	14.47%	0.99%

Vehicle Trips

Roadway Segment	Total Daily Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2 GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	20633	14,122	488	1,457	4,566	327	0.203	7311	1106	2889	2791	265	21	211	45	14639
2	37123	22,455	1,696	3,128	9,844	614	0.381	11625	1758	4593	4437	922	73	453	97	23959
3	14169	8,661	657	1,178	3,673	1181	0.734	4484	678	1772	1712	357	28	171	36	9237
4	5310	4,655	207	363	85	934	0.580	2410	365	952	920	113	9	53	1	4821
5	9393	8,253	368	702	70	1060	0.658	4273	646	1688	1631	200	16	102	1	8556
6	15147	9,751	628	1,234	3,534	1163	0.722	5048	764	1995	1927	341	27	179	35	10315
7	4720	3,289	182	363	886	535	0.332	1703	258	673	650	99	8	53	9	3451
8	13520	11,947	557	1,016	0	1143	0.710	6185	935	2444	2361	303	24	147	0	12399
11	299	266	14	19	0	1201	0.746	138	21	54	53	8	1	3	0	276
12	1291	912	205	174	0	824	0.512	472	71	187	180	111	9	25	0	1056
14	3405	2,322	218	236	629	897	0.557	1202	182	475	459	118	9	34	6	2486
15	4633	2,822	687	323	801	734	0.456	1461	221	577	558	373	29	47	8	3274
18	2494	1,716	146	206	426	780	0.485	888	134	351	339	79	6	30	4	1833
18a	1242	945	48	103	146	648	0.403	489	74	193	187	26	2	15	1	988
19	4492	2,691	174	377	1,250	1347	0.837	1393	211	550	532	95	7	55	12	2855
20	2712	2,310	86	183	133	1067	0.663	1196	181	473	456	47	4	26	1	2384
21	11815	8,774	453	949	1,639	664	0.412	4542	687	1795	1734	246	19	137	16	9177
22	11827	8,774	453	960	1,640	704	0.437	4542	687	1795	1734	246	19	139	16	9179
23	8190	5,658	300	667	1,565	448	0.278	2929	443	1157	1118	163	13	97	16	5936
24	8264	6,616	210	522	916	1443	0.896	3425	518	1353	1307	114	9	76	9	6812
25	14675	10,643	387	976	2,669	265	0.165	5510	833	2177	2103	210	17	141	26	11018
26	7421	4,984	263	580	1,594	417	0.259	2580	390	1020	985	143	11	84	16	5229
27	5423	3,650	214	436	1,123	347	0.216	1890	286	747	721	116	9	63	11	3843
28	3288	2,262	116	259	651	1459	0.906	1171	177	463	447	63	5	37	6	2370
29	9117	5,897	264	671	2,285	564	0.350	3053	462	1206	1165	143	11	97	23	6161
30	10148	6,681	306	769	2,392	2174	1.351	3459	523	1367	1320	166	13	111	24	6983
31	6718	5,815	145	361	397	1563	0.971	3011	455	1189	1149	79	6	52	4	5946

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	0.0195	0.0204	0.0195	0.0196	0.0189	0.0187	0.0186	0.0184
2	0.0192	0.0198	0.0192	0.0193	0.0184	0.0182	0.0182	0.0181
3	0.0192	0.0199	0.0192	0.0193	0.0186	0.0184	0.0183	0.0182
4	0.0194	0.0202	0.0194	0.0195	0.0183	0.0182	0.0182	0.0181

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	3.35E-04	5.30E-05	1.33E-04	1.29E-04	1.18E-05	9.17E-07	9.21E-06	1.95E-06	6.73E-04
2	1	1.00E-03	1.58E-04	3.96E-04	3.84E-04	7.71E-05	5.98E-06	3.71E-05	7.90E-06	2.07E-03
3	1	7.43E-04	1.17E-04	2.94E-04	2.85E-04	5.74E-05	4.46E-06	2.69E-05	5.67E-06	1.53E-03
4	1	3.16E-04	4.99E-05	1.25E-04	1.21E-04	1.43E-05	1.11E-06	6.55E-06	1.04E-07	6.34E-04
5	1	6.35E-04	1.00E-04	2.51E-04	2.44E-04	2.89E-05	2.24E-06	1.44E-05	9.70E-08	1.28E-03
6	1	8.23E-04	1.30E-04	3.26E-04	3.16E-04	5.41E-05	4.20E-06	2.77E-05	5.37E-06	1.69E-03
7	1	1.28E-04	2.02E-05	5.05E-05	4.91E-05	7.21E-06	5.59E-07	3.75E-06	6.19E-07	2.60E-04
8	1	9.92E-04	1.57E-04	3.92E-04	3.81E-04	4.71E-05	3.66E-06	2.25E-05	0.00E+00	1.99E-03
11	1	2.32E-05	3.66E-06	9.17E-06	8.91E-06	1.24E-06	9.66E-08	4.41E-07	0.00E+00	4.67E-05
12	1	5.46E-05	8.62E-06	2.16E-05	2.10E-05	1.25E-05	9.70E-07	2.77E-06	0.00E+00	1.22E-04
14	1	1.51E-04	2.39E-05	5.98E-05	5.81E-05	1.45E-05	1.12E-06	4.09E-06	7.37E-07	3.13E-04
15	1	1.50E-04	2.38E-05	5.95E-05	5.77E-05	3.73E-05	2.90E-06	4.58E-06	7.68E-07	3.37E-04
18	1	9.72E-05	1.54E-05	3.84E-05	3.73E-05	8.43E-06	6.54E-07	3.11E-06	4.34E-07	2.01E-04
18a	1	4.45E-05	7.02E-06	1.76E-05	1.71E-05	2.30E-06	1.79E-07	1.29E-06	1.24E-07	9.00E-05
19	1	2.63E-04	4.16E-05	1.04E-04	1.01E-04	1.73E-05	1.35E-06	9.82E-06	2.20E-06	5.41E-04
20	1	1.79E-04	2.83E-05	7.08E-05	6.87E-05	6.79E-06	5.27E-07	3.77E-06	1.85E-07	3.58E-04
21	1	4.23E-04	6.68E-05	1.67E-04	1.62E-04	2.23E-05	1.73E-06	1.22E-05	1.42E-06	8.57E-04
22	1	4.49E-04	7.08E-05	1.77E-04	1.72E-04	2.36E-05	1.83E-06	1.31E-05	1.51E-06	9.09E-04
23	1	1.84E-04	2.91E-05	7.28E-05	7.07E-05	9.95E-06	7.72E-07	5.78E-06	9.16E-07	3.74E-04
24	1	6.93E-04	1.09E-04	2.74E-04	2.66E-04	2.24E-05	1.74E-06	1.46E-05	1.73E-06	1.38E-03
25	1	2.05E-04	3.23E-05	8.10E-05	7.86E-05	7.59E-06	5.89E-07	5.00E-06	9.24E-07	4.11E-04
26	1	1.51E-04	2.38E-05	5.97E-05	5.79E-05	8.12E-06	6.30E-07	4.68E-06	8.69E-07	3.07E-04
27	1	9.20E-05	1.45E-05	3.64E-05	3.53E-05	5.50E-06	4.27E-07	2.92E-06	5.09E-07	1.88E-04
28	1	2.40E-04	3.79E-05	9.47E-05	9.20E-05	1.25E-05	9.72E-07	7.31E-06	1.24E-06	4.86E-04
29	1	2.42E-04	3.81E-05	9.55E-05	9.27E-05	1.10E-05	8.55E-07	7.32E-06	1.68E-06	4.89E-04
30	1	1.05E-03	1.67E-04	4.17E-04	4.05E-04	4.92E-05	3.82E-06	3.23E-05	6.80E-06	2.14E-03
31	1	6.60E-04	1.04E-04	2.61E-04	2.53E-04	1.68E-05	1.30E-06	1.09E-05	8.11E-07	1.31E-03

World Logistics Center

Entrained Road Dust

Calculation Parameters - Median Vehicle Weight

Vehicle Class	Averaged Weight Tons
Pass, LHDT,MDT	2.13
LHDT	5.63
MHDT	11.75
HHDT	23.25

Calculation Parameters - Silt Loading

	Road Type	Silt Loading (g/m2)
Freeway	F	0.022
Arterial, Major Collector	A	0.035
Minor Collector	M	0.32

Particle Size Multiplier for PM10 = 0.00054 lb/VMT

Roadway Segment	Road Type	Segment Length (m)	Segment Length (mi)	Pass (trips/Day)	Daily Pass VMT	LHDT (trips/day)	Daily LHDT VMT	MHDT (trips/day)	Daily MHDT VMT	HHDT (trips/day)	Daily HHDT VMT	Daily Total VMT	Average Vehicle Wt (tons)	Silt Loading (g/m2)	Emission Factor (lb/VMT)	Entrained Dust (lb/day)	Emissions (g/sec)
1	A	327	0.20	14,122	2869	488	99	1,457	296	4,566	928	4191	7.57	0.035	0.0002	0.8	4.43E-03
2	A	614	0.38	22,455	8565	1,696	647	3,128	1193	9,844	3755	14160	8.70	0.035	0.0002	3.3	1.73E-02
3	A	1181	0.73	8,661	6354	657	482	1,178	864	3,673	2695	10395	8.57	0.035	0.0002	2.4	1.25E-02
4	A	934	0.58	4,655	2701	207	120	363	211	85	49	3081	3.26	0.035	0.0001	0.3	1.38E-03
5	A	1060	0.66	8,253	5434	368	242	702	462	70	46	6185	3.14	0.035	0.0001	0.5	2.67E-03
6	A	1163	0.72	9,751	7045	628	454	1,234	892	3,534	2553	10943	7.99	0.035	0.0002	2.3	1.22E-02
7	M	535	0.33	3,289	1093	182	60	363	121	886	294	1569	6.97	0.32	0.0014	2.2	1.14E-02
8	A	1143	0.71	11,947	8483	557	395	1,016	721	0	0	9600	3.00	0.035	0.0001	0.8	3.95E-03
11	A	1201	0.75	266	198	14	10	19	14	0	0	223	2.91	0.035	0.0001	0.0	8.89E-05
12	A	824	0.51	912	467	205	105	174	89	0	0	661	3.98	0.035	0.0001	0.1	3.63E-04
14	A	897	0.56	2,322	1294	218	121	236	132	629	350	1897	6.92	0.035	0.0002	0.3	1.83E-03
15	A	734	0.46	2,822	1287	687	313	323	147	801	365	2113	6.97	0.035	0.0002	0.4	2.06E-03
18	A	780	0.48	1,716	831	146	71	206	100	426	206	1208	6.74	0.035	0.0002	0.2	1.14E-03
18a	A	648	0.40	945	380	48	19	103	41	146	59	500	5.55	0.035	0.0001	0.1	3.85E-04
19	A	1347	0.84	2,691	2252	174	146	377	315	1,250	1046	3759	8.95	0.035	0.0002	0.9	4.72E-03
20	A	1067	0.66	2,310	1531	86	57	183	121	133	88	1798	3.93	0.035	0.0001	0.2	9.74E-04
21	A	664	0.41	8,774	3619	453	187	949	391	1,639	676	4874	5.97	0.035	0.0002	0.8	4.05E-03
22	A	704	0.44	8,774	3837	453	198	960	420	1,640	717	5172	5.97	0.035	0.0002	0.8	4.30E-03
23	M	448	0.28	5,658	1575	300	83	667	186	1,565	436	2279	7.08	0.32	0.0014	3.2	1.69E-02
24	A	1443	0.90	6,616	5931	210	188	522	468	916	821	7408	5.17	0.035	0.0001	1.0	5.31E-03
25	A	265	0.16	10,643	1752	387	64	976	161	2,669	439	2416	6.70	0.035	0.0002	0.4	2.26E-03
26	M	417	0.26	4,984	1291	263	68	580	150	1,594	413	1922	7.54	0.32	0.0015	2.9	1.52E-02
27	M	347	0.22	3,650	787	214	46	436	94	1,123	242	1169	7.42	0.32	0.0015	1.7	9.08E-03
28	A	1459	0.91	2,262	2050	116	105	259	235	651	590	2980	7.19	0.035	0.0002	0.6	2.99E-03
29	A	564	0.35	5,897	2066	264	92	671	235	2,285	801	3194	8.23	0.035	0.0002	0.7	3.68E-03
30	A	2174	1.35	6,681	9023	306	413	769	1039	2,392	3230	13705	7.94	0.035	0.0002	2.9	1.52E-02
31	A	1563	0.97	5,815	5646	145	141	361	351	397	385	6523	3.97	0.035	0.0001	0.7	3.58E-03

World Logistics Center **2022** **PM2.5** Based on PB Traffic Results 10/23/2012
NON Project Emissions
Internal Roadway Circulation NoR

Roadway Segment	Diesel Emissions (g/sec)	Non-Diesel Emissions (g/sec)	Entrained Dust (g/sec)	Total Emissions (g/sec)	Weighted Emission Ht (m)
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00
5	1.20E-06	2.58E-04	3.32E-04	5.91E-04	1.01
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00
7	2.80E-07	1.03E-08	4.13E-06	4.42E-06	1.19
8	6.71E-06	1.64E-04	2.23E-04	3.93E-04	1.05
11	6.10E-05	1.03E-03	1.44E-03	2.53E-03	1.00
12	1.38E-04	1.32E-03	1.99E-03	3.45E-03	1.12
14	3.04E-04	8.36E-04	1.89E-03	3.03E-03	1.30
15	1.11E-06	4.48E-04	5.75E-04	1.02E-03	1.00
18	1.23E-05	8.55E-05	1.39E-04	2.37E-04	1.16
18a	1.06E-05	7.10E-05	1.17E-04	1.98E-04	1.16
19	9.61E-07	1.33E-07	2.04E-06	3.13E-06	1.92
20	5.59E-07	2.06E-08	1.10E-06	1.68E-06	2.00
21	4.21E-06	1.80E-04	2.39E-04	4.23E-04	1.03
22	8.74E-06	1.08E-04	1.59E-04	2.76E-04	1.10
23	3.18E-06	9.95E-06	1.64E-04	1.77E-04	1.05
24	6.64E-06	1.88E-04	2.53E-04	4.49E-04	1.04
25	2.04E-06	5.74E-05	7.92E-05	1.39E-04	1.04
26	4.25E-06	6.63E-06	1.56E-04	1.67E-04	1.08
27	2.24E-07	4.53E-10	5.37E-06	5.59E-06	1.12
28	9.39E-06	1.87E-05	5.09E-05	7.90E-05	1.36
29	1.32E-04	6.63E-04	1.18E-03	1.97E-03	1.20
30	5.26E-04	2.79E-03	4.90E-03	8.22E-03	1.19
31	5.38E-05	2.88E-03	3.78E-03	6.71E-03	1.02
				3.01E-02	

World Logistics Center 2022
Vehicle Fleet Mix

Vehicle VMT for Riverside County (SC) as per EMFAC2011 @ All Speeds

GAS Vehicle Class	VMT (mils/day)
LDA-GAS	22,213,285
LDT1-GAS	3,359,747
LDT2-GAS	8,776,768
MDT-GAS	8,478,946
LHDT1-GAS	1,438,460
LHDT2-GAS	113,224
MHDT-GAS	87,254
HHDT-GAS	21,705
Subtotal	44489389
DSL Vehicle Class	
LDA-DSL	62,127.77
LDT1-DSL	4,176.15
LDT2-DSL	4,311.57
MDT-DSL	7,126.31
LHDT1-DSL	844,299.02
LHDT2-DSL	250,743.90
MHDT-DSL	515,587.56
HHDT-DSL	2,169,783.95
Subtotal	3858156
Grand Total	48347545

Vehicle Class		VMT-GAS	VMT-DSL	VMT-Total	% VMT-Total	%GAS	%DSL
LDA	Pass Car	22213285	62128	22275413	51.92%	99.7%	0.28%
LDT1		3359747	4176	3363924	7.84%	99.9%	0.12%
LDT2		8776768	4312	8781080	20.47%	100.0%	0.05%
MDT		8478946	7126	8486072	19.78%	99.9%	0.08%
Subtotal		42828746	77742	42906488	100.00%	99.8%	0.18%
LHDT1	Light Heavy Truck	1438460	844299	2282759	86.25%	63.0%	36.99%
LHDT2		113224	250744	363968	13.75%	31.1%	68.89%
Subtotal		1551684	1095043	2646727			
MHDT	Medium Heavy Truck	87254	515588	602841	100%	14.5%	85.53%
HHDT	Heavy Heavy Truck	21705	2169784	2191489	100%	1.0%	99.01%

World Logistics Center **2022** **PM2.5**
NONProject Emissions
Internal Roadway Circulation

Project Operations: 24 hours/day

Vehicle Fleet Trips - Diesel (% Vehicle Class)

LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	2 axle LHDT1-DSL	2 axle LHDT2-DSL	3 axle MHDT-DSL	4+ axle HHDT-DSL
0.14%	0.01%	0.01%	0.02%	31.90%	9.47%	85.53%	99.01%

Vehicle Trips

Roadway Segment	Total Daily Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-DSL (Trips)	LDT1-DSL (Trips)	LDT2-DSL (Trips)	MDT-DSL (Trips)	LHDT1-DSL (Trips)	LHDT2 DSL (Trips)	MHDT-DSL (Trips)	HHDT-DSL (Trips)	Total (Trips)
1	0	0	0	0	0	327	0.203	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	614	0.381	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	1181	0.734	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	934	0.580	0	0	0	0	0	0	0	0	0
5	1732	1,731	0	1	0	1060	0.658	3	0	0	0	0	0	1	0	4
6	0	0	0	0	0	1163	0.722	0	0	0	0	0	0	0	0	0
7	1	0	0	1	0	535	0.332	0	0	0	0	0	0	1	0	1
8	1031	1,016	7	8	0	1143	0.710	1	0	0	0	2	1	7	0	12
11	6210	6,073	69	68	0	1201	0.746	9	1	1	1	22	7	58	0	98
12	11691	11,166	356	105	64	824	0.512	16	1	1	2	114	34	90	63	321
14	7180	6,483	209	151	337	897	0.557	9	1	1	1	67	20	129	334	561
15	4340	4,340	0	0	0	734	0.456	6	0	0	1	0	0	0	0	8
18	805	772	9	14	10	780	0.485	1	0	0	0	3	1	12	10	27
18a	806	772	9	14	11	648	0.403	1	0	0	0	3	1	12	11	28
19	2	0	1	1	0	1347	0.837	0	0	0	0	0	0	1	0	1
20	1	0	0	1	0	1067	0.663	0	0	0	0	0	0	1	0	1
21	1944	1,914	30	0	0	664	0.412	3	0	0	0	10	3	0	0	16
22	1107	1,081	8	9	9	704	0.437	2	0	0	0	3	1	8	9	22
23	169	157	1	2	9	448	0.278	0	0	0	0	0	0	2	9	11
24	936	924	6	6	0	1443	0.896	1	0	0	0	2	1	5	0	9
25	1550	1,538	1	1	10	265	0.165	2	0	0	0	0	0	1	10	14
26	129	112	1	3	13	417	0.259	0	0	0	0	0	0	3	13	16
27	1	0	0	0	1	347	0.216	0	0	0	0	0	0	0	1	1
28	101	90	1	2	8	1459	0.906	0	0	0	0	0	0	2	8	10
29	8807	7,991	649	0	167	564	0.350	12	1	1	1	207	61	0	165	448
30	9589	8,754	658	0	177	2174	1.351	13	1	1	1	210	62	0	175	463
31	13145	12,987	158	0	0	1563	0.971	19	1	1	2	50	15	0	0	89

Vehicle Fleet Emissions - Diesel

Segment Speeds	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors (g/mi)

Speed Group	LDA-DSL	LDT1-DSL	LDT2-DSL	MDT-DSL	LHDT1-DSL	LHDT2-DSL	MHDT-DSL	HHDT-DSL
1	0.0257	0.0386	0.0294	0.0279	0.0624	0.0675	0.0852	0.0907
2	0.0248	0.0339	0.0275	0.0265	0.0514	0.0567	0.0908	0.1021
3	0.0247	0.0350	0.0277	0.0265	0.0553	0.0606	0.0858	0.0918
4	0.0266	0.0351	0.0292	0.0282	0.0495	0.0548	0.1000	0.1214

Segment Emissions

Roadway Segment	Speed Group	LDA-DSL (g/sec)	LDT1-DSL (g/sec)	LDT2-DSL (g/sec)	MDT-DSL (g/sec)	LHDT1-DSL (g/sec)	LHDT2-DSL (g/sec)	MHDT-DSL (g/sec)	HHDT-DSL (g/sec)	Total (g/sec)
1	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	1	4.90E-07	4.96E-08	3.90E-08	6.11E-08	0.00E+00	0.00E+00	5.56E-07	0.00E+00	1.20E-06
6	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-07	0.00E+00	2.80E-07
8	1	3.10E-07	3.14E-08	2.47E-08	3.86E-08	1.14E-06	3.68E-07	4.79E-06	0.00E+00	6.71E-06
11	1	1.95E-06	1.97E-07	1.55E-07	2.43E-07	1.19E-05	3.81E-06	4.28E-05	0.00E+00	6.10E-05
12	1	2.46E-06	2.49E-07	1.96E-07	3.06E-07	4.20E-05	1.35E-05	4.53E-05	3.41E-05	1.38E-04
14	1	1.55E-06	1.57E-07	1.24E-07	1.94E-07	2.68E-05	8.63E-06	7.10E-05	1.95E-04	3.04E-04
15	1	8.51E-07	8.61E-08	6.77E-08	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06
18	1	1.61E-07	1.63E-08	1.28E-08	2.00E-08	1.00E-06	3.23E-07	5.72E-06	5.04E-06	1.23E-05
18a	1	1.34E-07	1.35E-08	1.06E-08	1.66E-08	8.34E-07	2.68E-07	4.75E-06	4.60E-06	1.06E-05
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	6.20E-08	7.06E-07	0.00E+00	9.61E-07
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-07	0.00E+00	5.59E-07
21	1	3.40E-07	3.43E-08	2.70E-08	4.23E-08	2.85E-06	9.17E-07	0.00E+00	0.00E+00	4.21E-06
22	1	2.03E-07	2.06E-08	1.62E-08	2.53E-08	8.05E-07	2.59E-07	3.32E-06	4.09E-06	8.74E-06
23	1	1.88E-08	1.90E-09	1.50E-09	2.34E-09	6.41E-08	2.06E-08	4.70E-07	2.60E-06	3.18E-06
24	1	3.56E-07	3.60E-08	2.83E-08	4.44E-08	1.24E-06	3.98E-07	4.54E-06	0.00E+00	6.64E-06
25	1	1.09E-07	1.10E-08	8.67E-09	1.36E-08	3.79E-08	1.22E-08	1.39E-07	1.71E-06	2.04E-06
26	1	1.25E-08	1.26E-09	9.93E-10	1.55E-09	5.96E-08	1.92E-08	6.56E-07	3.50E-06	4.25E-06
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-07	2.24E-07
28	1	3.51E-08	3.55E-09	2.79E-09	4.37E-09	2.09E-07	6.71E-08	1.53E-06	7.54E-06	9.39E-06
29	1	1.20E-06	1.22E-07	9.58E-08	1.50E-07	5.23E-05	1.68E-05	0.00E+00	6.08E-05	1.32E-04
30	1	5.09E-06	5.14E-07	4.05E-07	6.33E-07	2.05E-04	6.58E-05	0.00E+00	2.48E-04	5.26E-04
31	1	5.43E-06	5.48E-07	4.32E-07	6.75E-07	3.53E-05	1.14E-05	0.00E+00	0.00E+00	5.38E-05

World Logistics Center **2022** **PM2.5**
NONProject Emissions
Internal Roadway Circulation

Project Operations: 24 hours/day

Vehicle FleetTrips - Non-Diesel

LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	2 axle LHDT1-GAS	2 axle LHDT2-GAS	3 axle MHDT-GAS	4+ axle HHDT-GAS
51.77%	7.83%	20.46%	19.76%	54.35%	4.28%	14.47%	0.99%

Vehicle Trips

Roadway Segment	Total Daily Trips	Total Passenger Trips	Total LHDT Trips	Total MHDT Trips	Total HHDT Trips	Trip Length (meters)	Trip Length (miles)	LDA-GAS (Trips)	LDT1-GAS (Trips)	LDT2-GAS (Trips)	MDT-GAS (Trips)	LHDT1-GAS (Trips)	LHDT2 GAS (Trips)	MHDT-GAS (Trips)	HHDT-GAS (Trips)	Total (Trips)
1	0	0	0	0	0	327	0.203	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	614	0.381	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	1181	0.734	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	934	0.580	0	0	0	0	0	0	0	0	0
5	1732	1,731	0	1	0	1060	0.658	896	136	354	342	0	0	0	0	1728
6	0	0	0	0	0	1163	0.722	0	0	0	0	0	0	0	0	0
7	1	0	0	1	0	535	0.332	0	0	0	0	0	0	0	0	0
8	1031	1,016	7	8	0	1143	0.710	526	80	208	201	4	0	1	0	1019
11	6210	6,073	69	68	0	1201	0.746	3144	476	1242	1200	38	3	10	0	6112
12	11691	11,166	356	105	64	824	0.512	5781	874	2284	2207	193	15	15	1	11370
14	7180	6,483	209	151	337	897	0.557	3356	508	1326	1281	114	9	22	3	6619
15	4340	4,340	0	0	0	734	0.456	2247	340	888	858	0	0	0	0	4332
18	805	772	9	14	10	780	0.485	400	60	158	153	5	0	2	0	778
18a	806	772	9	14	11	648	0.403	400	60	158	153	5	0	2	0	778
19	2	0	1	1	0	1347	0.837	0	0	0	0	1	0	0	0	1
20	1	0	0	1	0	1067	0.663	0	0	0	0	0	0	0	0	0
21	1944	1,914	30	0	0	664	0.412	991	150	392	378	16	1	0	0	1928
22	1107	1,081	8	9	9	704	0.437	560	85	221	214	4	0	1	0	1085
23	169	157	1	2	9	448	0.278	81	12	32	31	1	0	0	0	158
24	936	924	6	6	0	1443	0.896	478	72	189	183	3	0	1	0	927
25	1550	1,538	1	1	10	265	0.165	796	120	315	304	1	0	0	0	1536
26	129	112	1	3	13	417	0.259	58	9	23	22	1	0	0	0	113
27	1	0	0	0	1	347	0.216	0	0	0	0	0	0	0	0	0
28	101	90	1	2	8	1459	0.906	47	7	18	18	1	0	0	0	91
29	8807	7,991	649	0	167	564	0.350	4137	626	1635	1579	353	28	0	2	8359
30	9589	8,754	658	0	177	2174	1.351	4532	685	1791	1730	358	28	0	2	9126
31	13145	12,987	158	0	0	1563	0.971	6724	1017	2657	2566	86	7	0	0	13056

Vehicle Fleet Emissions - Non-Diesel

Segment Speeds	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
Segment Speed Group 1								
Vehicle Speed (mph)	35	35	35	35	25	25	25	25
Segment Speed Group 2								
Vehicle Speed (mph)	55	55	55	55	45	45	45	45
Segment Speed Group 3								
Vehicle Speed (mph)	45	45	45	45	35	35	35	35
Segment Speed Group 4								
Vehicle Speed (mph)	65	65	65	65	55	55	55	55

Emission Factors

Speed Group	LDA-GAS	LDT1-GAS	LDT2-GAS	MDT-GAS	LHDT1-GAS	LHDT2-GAS	MHDT-GAS	HHDT-GAS
1	0.0195	0.0204	0.0195	0.0196	0.0189	0.0187	0.0186	0.0184
2	0.0192	0.0198	0.0192	0.0193	0.0184	0.0182	0.0182	0.0181
3	0.0192	0.0199	0.0192	0.0193	0.0186	0.0184	0.0183	0.0182
4	0.0194	0.0202	0.0194	0.0195	0.0183	0.0182	0.0182	0.0181

Segment Emissions

Roadway Segment	Speed Group	LDA-GAS (g/sec)	LDT1-GAS (g/sec)	LDT2-GAS (g/sec)	MDT-GAS (g/sec)	LHDT1-GAS (g/sec)	LHDT2-GAS (g/sec)	MHDT-GAS (g/sec)	HHDT-GAS (g/sec)	Total (g/sec)
1	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	1	1.33E-04	2.10E-05	5.27E-05	5.12E-05	0.00E+00	0.00E+00	2.05E-08	0.00E+00	2.58E-04
6	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	0.00E+00	1.03E-08
8	1	8.43E-05	1.33E-05	3.33E-05	3.24E-05	5.92E-07	4.60E-08	1.77E-07	0.00E+00	1.64E-04
11	1	5.30E-04	8.37E-05	2.09E-04	2.03E-04	6.13E-06	4.76E-07	1.58E-06	0.00E+00	1.03E-03
12	1	6.68E-04	1.06E-04	2.64E-04	2.57E-04	2.17E-05	1.69E-06	1.67E-06	6.89E-08	1.32E-03
14	1	4.22E-04	6.67E-05	1.67E-04	1.62E-04	1.39E-05	1.08E-06	2.62E-06	3.95E-07	8.36E-04
15	1	2.31E-04	3.65E-05	9.14E-05	8.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04
18	1	4.37E-05	6.91E-06	1.73E-05	1.68E-05	5.20E-07	4.03E-08	2.11E-07	1.02E-08	8.55E-05
18a	1	3.63E-05	5.74E-06	1.44E-05	1.39E-05	4.32E-07	3.35E-08	1.75E-07	9.32E-09	7.10E-05
19	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-08	7.74E-09	2.60E-08	0.00E+00	1.33E-07
20	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-08	0.00E+00	2.06E-08
21	1	9.23E-05	1.46E-05	3.65E-05	3.54E-05	1.47E-06	1.14E-07	0.00E+00	0.00E+00	1.80E-04
22	1	5.53E-05	8.73E-06	2.18E-05	2.12E-05	4.17E-07	3.24E-08	1.22E-07	8.28E-09	1.08E-04
23	1	5.11E-06	8.07E-07	2.02E-06	1.96E-06	3.32E-08	2.57E-09	1.73E-08	5.27E-09	9.95E-06
24	1	9.68E-05	1.53E-05	3.83E-05	3.72E-05	6.41E-07	4.97E-08	1.67E-07	0.00E+00	1.88E-04
25	1	2.96E-05	4.67E-06	1.17E-05	1.14E-05	1.96E-08	1.52E-09	5.12E-09	3.46E-09	5.74E-05
26	1	3.39E-06	5.36E-07	1.34E-06	1.30E-06	3.09E-08	2.40E-09	2.42E-08	7.08E-09	6.63E-06
27	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-10	4.53E-10
28	1	9.54E-06	1.51E-06	3.77E-06	3.66E-06	1.08E-07	8.38E-09	5.64E-08	1.53E-08	1.87E-05
29	1	3.27E-04	5.17E-05	1.29E-04	1.26E-04	2.71E-05	2.10E-06	0.00E+00	1.23E-07	6.63E-04
30	1	1.38E-03	2.18E-04	5.46E-04	5.31E-04	1.06E-04	8.22E-06	0.00E+00	5.03E-07	2.79E-03
31	1	1.47E-03	2.33E-04	5.83E-04	5.66E-04	1.83E-05	1.42E-06	0.00E+00	0.00E+00	2.88E-03

World Logistics Center

Entrained Road Dust

Calculation Parameters - Median Vehicle Weight

Vehicle Class	veraged Weight Tons
Pass, LHDT,MDT	2.13
LHDT	5.63
MHDT	11.75
HHDT	23.25

Calculation Parameters - Silt Loading

	Road Type	Silt Loading (g/m2)
Freeway	F	0.022
Arterial, Major Collector	A	0.035
Minor Collector	M	0.32

Particle Size Multiplier for PM10 = 0.00054 lb/VMT

Roadway Segment	Road Type	Segment Length (m)	Segment Length (mi)	Pass (trips/Day)	Daily Pass VMT	LHDT (trips/day)	Daily LHDT VMT	MHDT (trips/day)	Daily MHDT VMT	HHDT (trips/day)	Daily HHDT VMT	Daily Total VMT	Average Vehicle Wt (tons)	Silt Loading (g/m2)	Emission Factor (lb/VMT)	Entrained Dust (lb/day)	Emissions (g/sec)
1	A	327	0.20	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
2	A	614	0.38	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
3	A	1181	0.73	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
4	A	934	0.58	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
5	A	1060	0.66	1,731	1140	0	0	1	1	0	0	1140	2.14	0.035	0.0001	0.1	3.32E-04
6	A	1163	0.72	0	0	0	0	0	0	0	0	0	0.00	0.035	0.0000	0.0	0.00E+00
7	M	535	0.33	0	0	0	0	1	0	0	0	0	11.75	0.32	0.0024	0.0	4.13E-06
8	A	1143	0.71	1,016	721	7	5	8	6	0	0	732	2.23	0.035	0.0001	0.0	2.23E-04
11	A	1201	0.75	6,073	4531	69	51	68	51	0	0	4633	2.27	0.035	0.0001	0.3	1.44E-03
12	A	824	0.51	11,166	5716	356	182	105	54	64	33	5984	2.44	0.035	0.0001	0.4	1.99E-03
14	A	897	0.56	6,483	3613	209	116	151	84	337	188	4001	3.43	0.035	0.0001	0.4	1.89E-03
15	A	734	0.46	4,340	1979	0	0	0	0	0	0	1979	2.13	0.035	0.0001	0.1	5.75E-04
18	A	780	0.48	772	374	9	4	14	7	10	5	390	2.60	0.035	0.0001	0.0	1.39E-04
18a	A	648	0.40	772	311	9	4	14	6	11	4	324	2.62	0.035	0.0001	0.0	1.17E-04
19	A	1347	0.84	0	0	1	1	1	1	0	0	2	8.69	0.035	0.0002	0.0	2.04E-06
20	A	1067	0.66	0	0	0	0	1	1	0	0	1	11.75	0.035	0.0003	0.0	1.10E-06
21	A	664	0.41	1,914	789	30	12	0	0	0	0	802	2.18	0.035	0.0001	0.0	2.39E-04
22	A	704	0.44	1,081	473	8	3	9	4	9	4	484	2.41	0.035	0.0001	0.0	1.59E-04
23	M	448	0.28	157	44	1	0	2	1	9	3	47	3.39	0.32	0.0007	0.0	1.64E-04
24	A	1443	0.90	924	828	6	5	6	5	0	0	839	2.21	0.035	0.0001	0.0	2.53E-04
25	A	265	0.16	1,538	253	1	0	1	0	10	2	255	2.27	0.035	0.0001	0.0	7.92E-05
26	M	417	0.26	112	29	1	0	3	1	13	3	33	4.51	0.32	0.0009	0.0	1.56E-04
27	M	347	0.22	0	0	0	0	0	0	1	0	0	23.25	0.32	0.0047	0.0	5.37E-06
28	A	1459	0.91	90	82	1	1	2	2	8	7	92	4.03	0.035	0.0001	0.0	5.09E-05
29	A	564	0.35	7,991	2800	649	227	0	0	167	59	3086	2.79	0.035	0.0001	0.2	1.18E-03
30	A	2174	1.35	8,754	11822	658	889	0	0	177	239	12950	2.76	0.035	0.0001	0.9	4.90E-03
31	A	1563	0.97	12,987	12610	158	153	0	0	0	0	12763	2.17	0.035	0.0001	0.7	3.78E-03

E.5 - Project LST Development AERMOD Output for 2013, 2017, and 2022

WLC LST Construction Assessment (CO 1 hour average)

Year: 2013 (Unmitigated Emissions - 15 hour day)

Unit Emission Rate	1.00E-07	g/sec-m2
Actual Emissions (Mass Grading):	2.56E-05	g/sec-m2
Actual Emissions (Non-Mass Grading):	3.48E-05	g/sec-m2

X(m)	Y(m)	Mass Grading 1hr Ave w/Unit Emissions (ug/m3)	Mas Grading 1hr Ave w/Actual Emissions (ug/m3)	Non Mass Grading 1hr Ave w/Unit Emissions (ug/m3)	Non Mass Grading 1hr Ave w/Actual Emissions (ug/m3)	Total 1-hr Ave w/Actual Emissions (ug/m3)
461553	3741938	0.06386	16.32	0.03284	11.42	27.7422
462553	3741938	0.06648	16.99	0.03457	12.02	29.0135
463553	3741938	0.08443	21.58	0.03142	10.93	32.5052
464553	3741938	0.07726	19.74	0.03457	12.02	31.7685
465553	3741938	0.08348	21.33	0.0363	12.63	33.9598
466553	3741938	0.08867	22.66	0.0379	13.18	35.8426
467553	3741938	0.09087	23.22	0.03713	12.91	36.1370
468553	3741938	0.08295	21.20	0.03888	13.52	34.7217
469553	3741938	0.10557	26.98	0.04514	15.70	42.6798
470553	3741938	0.10784	27.56	0.03044	10.59	38.1471
471553	3741938	0.07434	19.00	0.04531	15.76	34.7577
472553	3741938	0.11989	30.64	0.05133	17.85	48.4923
473553	3741938	0.11709	29.92	0.04699	16.34	46.2673
474553	3741938	0.11032	28.19	0.04437	15.43	43.6259
475553	3741938	0.12724	32.52	0.05494	19.11	51.6263
476553	3741938	0.10643	27.20	0.04071	14.16	41.3587
477553	3741938	0.09014	23.04	0.04014	13.96	36.9974
478553	3741938	0.10156	25.95	0.04515	15.70	41.6584
479553	3741938	0.09627	24.60	0.04532	15.76	40.3656
480553	3741938	0.14026	35.85	0.05921	20.59	56.4389
481553	3741938	0.12605	32.21	0.05392	18.75	50.9674
482553	3741938	0.15163	38.75	0.06282	21.85	60.6002
483553	3741938	0.12018	30.71	0.05162	17.95	48.6673
484553	3741938	0.12388	31.66	0.05303	18.44	50.1033
485553	3741938	0.13269	33.91	0.05237	18.21	52.1253
486553	3741938	0.15615	39.91	0.06671	23.20	63.1083
487553	3741938	0.13652	34.89	0.05448	18.95	53.8379
488553	3741938	0.12312	31.46	0.05128	17.84	49.3004
489553	3741938	0.13901	35.53	0.05423	18.86	54.3873
490553	3741938	0.15181	38.80	0.05893	20.50	59.2932
491553	3741938	0.16617	42.47	0.07182	24.98	67.4463
492553	3741938	0.16613	42.46	0.06364	22.13	64.5910
493553	3741938	0.1125	28.75	0.06468	22.50	51.2470
494553	3741938	0.11956	30.55	0.05122	17.81	48.3697
495553	3741938	0.13042	33.33	0.05442	18.93	52.2581
496553	3741938	0.12314	31.47	0.05086	17.69	49.1594
497553	3741938	0.09427	24.09	0.04605	16.02	40.1084
498553	3741938	0.0913	23.33	0.03582	12.46	35.7913
499553	3741938	0.08486	21.69	0.03618	12.58	34.2707
500553	3741938	0.08583	21.93	0.0366	12.73	34.6647
501553	3741938	0.07996	20.43	0.03589	12.48	32.9176
502553	3741938	0.09139	23.36	0.03337	11.61	34.9622
503553	3741938	0.0824	21.06	0.03772	13.12	34.1776
504553	3741938	0.0932	23.82	0.03741	13.01	36.8299
505553	3741938	0.05324	13.61	0.02343	8.15	21.7553
461553	3742938	0.05802	14.83	0.02684	9.34	24.1629
462553	3742938	0.06551	16.74	0.02699	9.39	26.1292
463553	3742938	0.06797	17.37	0.03439	11.96	29.3317
464553	3742938	0.07782	19.89	0.03976	13.83	33.7167
465553	3742938	0.09053	23.14	0.03787	13.17	36.3075
466553	3742938	0.08274	21.15	0.03956	13.76	34.9045
467553	3742938	0.09846	25.16	0.03951	13.74	38.9045
468553	3742938	0.09712	24.82	0.03614	12.57	37.3900
469553	3742938	0.1002	25.61	0.04176	14.52	40.1318
470553	3742938	0.09998	25.55	0.04191	14.58	40.1277
471553	3742938	0.12051	30.80	0.04207	14.63	45.4301

472553	3742938	0.08974	22.93	0.03898	13.56	36.4917
473553	3742938	0.10894	27.84	0.04869	16.93	44.7757
474553	3742938	0.12599	32.20	0.03975	13.83	46.0236
475553	3742938	0.08963	22.91	0.03613	12.57	35.4723
476553	3742938	0.09636	24.63	0.04245	14.76	39.3904
477553	3742938	0.10725	27.41	0.04006	13.93	41.3422
478553	3742938	0.1028	26.27	0.04369	15.20	41.4675
479553	3742938	0.11709	29.92	0.04663	16.22	46.1421
480553	3742938	0.12346	31.55	0.05967	20.75	52.3054
481553	3742938	0.1565	40.00	0.05921	20.59	60.5892
482553	3742938	0.1362	34.81	0.06349	22.08	56.8899
483553	3742938	0.13212	33.76	0.05008	17.42	51.1831
484553	3742938	0.1405	35.91	0.05653	19.66	55.5681
485553	3742938	0.15206	38.86	0.0601	20.90	59.7640
486553	3742938	0.17129	43.78	0.06913	24.04	67.8192
487553	3742938	0.15345	39.22	0.06113	21.26	60.4775
488553	3742938	0.13712	35.04	0.05295	18.42	53.4591
489553	3742938	0.15155	38.73	0.06234	21.68	60.4128
490553	3742938	0.15506	39.63	0.06665	23.18	62.8089
491553	3742938	0.13065	33.39	0.05379	18.71	52.0978
492553	3742938	0.19294	49.31	0.07608	26.46	75.7694
493553	3742938	0.118	30.16	0.05199	18.08	48.2389
494553	3742938	0.14658	37.46	0.07314	25.44	62.8990
495553	3742938	0.13425	34.31	0.05128	17.84	52.1448
496553	3742938	0.10634	27.18	0.0505	17.56	44.7408
497553	3742938	0.09844	25.16	0.03873	13.47	38.6281
498553	3742938	0.09274	23.70	0.03849	13.39	37.0880
499553	3742938	0.09135	23.35	0.03922	13.64	36.9866
500553	3742938	0.08597	21.97	0.03787	13.17	35.1422
501553	3742938	0.09688	24.76	0.03852	13.40	38.1564
502553	3742938	0.11104	28.38	0.04682	16.28	44.6620
503553	3742938	0.08079	20.65	0.03528	12.27	32.9175
504553	3742938	0.0553	14.13	0.02352	8.18	22.3130
505553	3742938	0.04899	12.52	0.02089	7.27	19.7857
461553	3743938	0.04589	11.73	0.02011	6.99	18.7222
462553	3743938	0.04574	11.69	0.02478	8.62	20.3081
463553	3743938	0.05852	14.96	0.02817	9.80	24.7533
464553	3743938	0.06864	17.54	0.02902	10.09	27.6352
465553	3743938	0.07187	18.37	0.03582	12.46	30.8257
466553	3743938	0.08635	22.07	0.04044	14.07	36.1332
467553	3743938	0.10091	25.79	0.03848	13.38	39.1724
468553	3743938	0.09577	24.48	0.04332	15.07	39.5422
469553	3743938	0.10702	27.35	0.04014	13.96	41.3113
470553	3743938	0.10031	25.64	0.03791	13.19	38.8208
471553	3743938	0.08802	22.49	0.04335	15.08	37.5721
472553	3743938	0.10674	27.28	0.04557	15.85	43.1283
473553	3743938	0.11125	28.43	0.03544	12.33	40.7576
474553	3743938	0.10765	27.51	0.05122	17.81	45.3260
475553	3743938	0.11783	30.11	0.04545	15.81	45.9208
476553	3743938	0.09685	24.75	0.03918	13.63	38.3783
477553	3743938	0.10514	26.87	0.0474	16.49	43.3559
478553	3743938	0.11593	29.63	0.04193	14.58	44.2109
479553	3743938	0.11587	29.61	0.04991	17.36	46.9711
480553	3743938	0.12694	32.44	0.0508	17.67	50.1097
481553	3743938	0.16933	43.27	0.06877	23.92	67.1931
482553	3743938	0.16065	41.06	0.06409	22.29	63.3471
483553	3743938	0.22619	57.81	0.07495	26.07	83.8738
484553	3743938	0.12895	32.95	0.06105	21.23	54.1884
485553	3743938	0.1757	44.90	0.06995	24.33	69.2314
486553	3743938	0.19049	48.68	0.07626	26.52	75.2059
487553	3743938	0.17371	44.39	0.06919	24.06	68.4585
488553	3743938	0.16913	43.22	0.06457	22.46	65.6812
489553	3743938	0.15253	38.98	0.06426	22.35	61.3310
490553	3743938	0.1552	39.66	0.06535	22.73	62.3925
491553	3743938	0.17095	43.69	0.0657	22.85	66.5393
492553	3743938	0.13895	35.51	0.0663	23.06	58.5701
493553	3743938	0.1572	40.17	0.06288	21.87	62.0445
494553	3743938	0.14446	36.92	0.05209	18.12	55.0358

495553	3743938	0.12054	30.81	0.05712	19.87	50.6723
496553	3743938	0.10784	27.56	0.04252	14.79	42.3486
497553	3743938	0.10204	26.08	0.04127	14.35	40.4316
498553	3743938	0.09898	25.30	0.04228	14.71	40.0009
499553	3743938	0.09955	25.44	0.03927	13.66	39.0996
500553	3743938	0.09444	24.14	0.04284	14.90	39.0354
501553	3743938	0.12771	32.64	0.04524	15.73	48.3727
502553	3743938	0.07819	19.98	0.0362	12.59	32.5731
503553	3743938	0.06038	15.43	0.02581	8.98	24.4078
504553	3743938	0.06501	16.61	0.02502	8.70	25.3163
505553	3743938	0.05291	13.52	0.02239	7.79	21.3092
461553	3744938	0.05679	14.51	0.02061	7.17	21.6817
462553	3744938	0.05477	14.00	0.0208	7.23	21.2315
463553	3744938	0.05089	13.01	0.02034	7.07	20.0800
464553	3744938	0.05039	12.88	0.02545	8.85	21.7295
465553	3744938	0.0596	15.23	0.03013	10.48	25.7110
466553	3744938	0.07391	18.89	0.03226	11.22	30.1089
467553	3744938	0.09874	25.23	0.03716	12.92	38.1588
468553	3744938	0.08754	22.37	0.04629	16.10	38.4720
469553	3744938	0.11773	30.09	0.03978	13.84	43.9231
470553	3744938	0.10012	25.59	0.04857	16.89	42.4799
471553	3744938	0.11232	28.70	0.04462	15.52	44.2239
472553	3744938	0.11162	28.53	0.04288	14.91	43.4399
473553	3744938	0.11949	30.54	0.04926	17.13	47.6702
474553	3744938	0.15089	38.56	0.04616	16.05	54.6166
475553	3744938	0.09653	24.67	0.05188	18.04	42.7137
476553	3744938	0.12708	32.48	0.05106	17.76	50.2359
477553	3744938	0.10786	27.56	0.04305	14.97	42.5381
478553	3744938	0.11811	30.18	0.05277	18.35	48.5383
479553	3744938	0.12443	31.80	0.05062	17.61	49.4056
480553	3744938	0.1359	34.73	0.05924	20.60	55.3351
481553	3744938	0.148	37.82	0.07122	24.77	62.5941
482553	3744938	0.19618	50.14	0.07025	24.43	74.5697
483553	3744938	0.20674	52.83	0.08522	29.64	82.4751
484553	3744938	0.18038	46.10	0.07123	24.77	70.8727
485553	3744938	0.18087	46.22	0.07976	27.74	73.9647
486553	3744938	0.21957	56.11	0.08733	30.37	86.4879
487553	3744938	0.19468	49.75	0.07765	27.01	76.7601
488553	3744938	0.19429	49.65	0.07712	26.82	76.4761
489553	3744938	0.20296	51.87	0.07589	26.40	78.2640
490553	3744938	0.15909	40.66	0.06553	22.79	63.4492
491553	3744938	0.18647	47.65	0.0732	25.46	73.1142
492553	3744938	0.17242	44.06	0.06229	21.67	65.7290
493553	3744938	0.15312	39.13	0.06095	21.20	60.3306
494553	3744938	0.13961	35.68	0.06472	22.51	58.1892
495553	3744938	0.12017	30.71	0.04645	16.16	46.8666
496553	3744938	0.11327	28.95	0.04481	15.59	44.5328
497553	3744938	0.1064	27.19	0.0457	15.89	43.0866
498553	3744938	0.11244	28.74	0.04138	14.39	43.1277
499553	3744938	0.10838	27.70	0.04623	16.08	43.7770
500553	3744938	0.10781	27.55	0.04684	16.29	43.8435
501553	3744938	0.07403	18.92	0.03975	13.83	32.7447
502553	3744938	0.10923	27.91	0.03675	12.78	40.6970
503553	3744938	0.10626	27.16	0.04593	15.97	43.1309
504553	3744938	0.05978	15.28	0.02794	9.72	24.9953
505553	3744938	0.05735	14.66	0.02513	8.74	23.3969
461553	3745938	0.06265	16.01	0.02488	8.65	24.6644
462553	3745938	0.06066	15.50	0.02627	9.14	24.6393
463553	3745938	0.06401	16.36	0.02511	8.73	25.0920
464553	3745938	0.06247	15.96	0.02234	7.77	23.7350
465553	3745938	0.05739	14.67	0.02208	7.68	22.3463
466553	3745938	0.05613	14.34	0.02571	8.94	23.2869
467553	3745938	0.06003	15.34	0.03235	11.25	26.5930
468553	3745938	0.07546	19.28	0.03622	12.60	31.8823
469553	3745938	0.10359	26.47	0.04139	14.40	40.8695
470553	3745938	0.11498	29.38	0.05557	19.33	48.7122
471553	3745938	0.12761	32.61	0.04747	16.51	49.1227
472553	3745938	0.12104	30.93	0.05239	18.22	49.1549

473553	3745938	0.13781	35.22	0.04998	17.38	52.6025
474553	3745938	0.13633	34.84	0.06138	21.35	56.1893
475553	3745938	0.12518	31.99	0.05257	18.28	50.2755
476553	3745938	0.11864	30.32	0.0542	18.85	49.1711
477553	3745938	0.14176	36.23	0.05732	19.94	56.1649
478553	3745938	0.12341	31.54	0.04932	17.15	48.6928
479553	3745938	0.13582	34.71	0.06082	21.15	55.8641
480553	3745938	0.13585	34.72	0.05983	20.81	55.5275
481553	3745938	0.17084	43.66	0.06444	22.41	66.0730
482553	3745938	0.22149	56.60	0.08992	31.28	87.8794
483553	3745938	0.21318	54.48	0.08618	29.97	84.4548
484553	3745938	0.19082	48.77	0.08062	28.04	76.8067
485553	3745938	0.31261	79.89	0.12322	42.86	122.7482
486553	3745938	0.27705	70.80	0.11679	40.62	111.4240
487553	3745938	0.2167	55.38	0.08689	30.22	85.6014
488553	3745938	0.21765	55.62	0.08516	29.62	85.2424
489553	3745938	0.21078	53.87	0.09108	31.68	85.5458
490553	3745938	0.22057	56.37	0.08226	28.61	84.9800
491553	3745938	0.17879	45.69	0.07562	26.30	71.9932
492553	3745938	0.16785	42.90	0.07864	27.35	70.2478
493553	3745938	0.16421	41.97	0.07488	26.04	68.0097
494553	3745938	0.13695	35.00	0.05275	18.35	53.3461
495553	3745938	0.12803	32.72	0.04916	17.10	49.8179
496553	3745938	0.11446	29.25	0.05159	17.94	47.1951
497553	3745938	0.12142	31.03	0.05106	17.76	48.7894
498553	3745938	0.12197	31.17	0.04828	16.79	47.9631
499553	3745938	0.14249	36.41	0.0673	23.41	59.8225
500553	3745938	0.13859	35.42	0.06023	20.95	56.3668
501553	3745938	0.12901	32.97	0.05882	20.46	53.4282
502553	3745938	0.1194	30.51	0.05549	19.30	49.8140
503553	3745938	0.10717	27.39	0.04656	16.19	43.5825
504553	3745938	0.07761	19.83	0.03961	13.78	33.6109
505553	3745938	0.068	17.38	0.02832	9.85	27.2282
461553	3746938	0.06125	15.65	0.02813	9.78	25.4370
462553	3746938	0.06973	17.82	0.02928	10.18	28.0042
463553	3746938	0.07243	18.51	0.02762	9.61	28.1168
464553	3746938	0.06853	17.51	0.02666	9.27	26.7862
465553	3746938	0.06624	16.93	0.02822	9.82	26.7436
466553	3746938	0.07192	18.38	0.02772	9.64	28.0213
467553	3746938	0.07231	18.48	0.02588	9.00	27.4810
468553	3746938	0.06668	17.04	0.02628	9.14	26.1813
469553	3746938	0.06548	16.73	0.03471	12.07	28.8066
470553	3746938	0.10252	26.20	0.04671	16.25	42.4464
471553	3746938	0.11424	29.20	0.04603	16.01	45.2050
472553	3746938	0.11414	29.17	0.05605	19.49	48.6645
473553	3746938	0.15662	40.03	0.06523	22.69	62.7137
474553	3746938	0.15793	40.36	0.06266	21.79	62.1546
475553	3746938	0.13085	33.44	0.05172	17.99	51.4289
476553	3746938	0.13312	34.02	0.06066	21.10	55.1185
477553	3746938	0.14742	37.67	0.0551	19.16	56.8392
478553	3746938	0.15845	40.49	0.06697	23.29	63.7865
479553	3746938	0.15058	38.48	0.05809	20.20	58.6867
480553	3746938	0.16411	41.94	0.07119	24.76	66.7008
481553	3746938	0.17925	45.81	0.07471	25.98	71.7943
482553	3746938	0.19373	49.51	0.0907	31.55	81.0563
483553	3746938	0.26688	68.20	0.09835	34.21	102.4113
484553	3746938	0.27739	70.89	0.09359	32.55	103.4417
485553	3746938	0.26833	68.57	0.10703	37.23	105.8009
486553	3746938	0.37853	96.74	0.15014	52.22	148.9578
487553	3746938	0.25123	64.20	0.09852	34.27	98.4709
488553	3746938	0.24871	63.56	0.10071	35.03	98.5886
489553	3746938	0.23043	58.89	0.09687	33.69	92.5814
490553	3746938	0.23991	61.31	0.09904	34.45	95.7588
491553	3746938	0.22065	56.39	0.09124	31.73	88.1238
492553	3746938	0.19662	50.25	0.08568	29.80	80.0488
493553	3746938	0.16052	41.02	0.06179	21.49	62.5139
494553	3746938	0.14574	37.25	0.05812	20.21	57.4602
495553	3746938	0.1432	36.60	0.05745	19.98	56.5781

496553	3746938	0.1389	35.50	0.06001	20.87	56.3696
497553	3746938	0.1315	33.61	0.05825	20.26	53.8663
498553	3746938	0.16139	41.25	0.06177	21.48	62.7293
499553	3746938	0.13894	35.51	0.06322	21.99	57.4962
500553	3746938	0.10633	27.17	0.05965	20.75	47.9207
501553	3746938	0.10512	26.86	0.0503	17.49	44.3595
502553	3746938	0.09992	25.54	0.04668	16.24	41.7715
503553	3746938	0.10376	26.52	0.04397	15.29	41.8103
504553	3746938	0.10288	26.29	0.04285	14.90	41.1958
505553	3746938	0.09648	24.66	0.04233	14.72	39.3794
461553	3747938	0.046	11.76	0.02102	7.31	19.0668
462553	3747938	0.04826	12.33	0.02506	8.72	21.0495
463553	3747938	0.05002	12.78	0.02692	9.36	22.1462
464553	3747938	0.06026	15.40	0.02959	10.29	25.6918
465553	3747938	0.07107	18.16	0.03147	10.95	29.1083
466553	3747938	0.09629	24.61	0.03222	11.21	35.8144
467553	3747938	0.10071	25.74	0.03762	13.08	38.8222
468553	3747938	0.0989	25.28	0.0426	14.82	40.0917
469553	3747938	0.09863	25.21	0.03168	11.02	36.2246
470553	3747938	0.10449	26.70	0.03486	12.12	38.8283
471553	3747938	0.10738	27.44	0.03892	13.54	40.9789
472553	3747938	0.1141	29.16	0.05073	17.64	46.8040
473553	3747938	0.13369	34.17	0.05316	18.49	52.6556
474553	3747938	0.12379	31.64	0.06258	21.77	53.4019
475553	3747938	0.15149	38.72	0.06511	22.65	61.3609
476553	3747938	0.1593	40.71	0.06227	21.66	62.3691
477553	3747938	0.15262	39.00	0.06681	23.24	62.2410
478553	3747938	0.17285	44.17	0.06329	22.01	66.1867
479553	3747938	0.17553	44.86	0.07997	27.81	72.6731
480553	3747938	0.19198	49.06	0.07134	24.81	73.8754
481553	3747938	0.21387	54.66	0.08907	30.98	85.6363
482553	3747938	0.23359	59.70	0.11866	41.27	100.9677
483553	3747938	0.36763	93.95	0.12745	44.33	138.2804
484553	3747938	0.36291	92.75	0.13713	47.70	140.4410
485553	3747938	0.30388	77.66	0.11987	41.69	119.3520
486553	3747938	0.36579	93.48	0.14113	49.09	142.5682
487553	3747938	0.35604	90.99	0.1546	53.77	144.7615
488553	3747938	0.3344	85.46	0.11744	40.85	126.3065
489553	3747938	0.31206	79.75	0.11106	38.63	118.3783
490553	3747938	0.2837	72.50	0.09921	34.51	107.0090
491553	3747938	0.25491	65.15	0.09565	33.27	98.4132
492553	3747938	0.19204	49.08	0.07729	26.88	75.9602
493553	3747938	0.17464	44.63	0.07022	24.42	69.0545
494553	3747938	0.17128	43.77	0.06444	22.41	66.1854
495553	3747938	0.16065	41.06	0.06438	22.39	63.4479
496553	3747938	0.19049	48.68	0.09035	31.42	80.1065
497553	3747938	0.17664	45.14	0.07563	26.30	71.4472
498553	3747938	0.16106	41.16	0.07906	27.50	68.6586
499553	3747938	0.11499	29.39	0.05982	20.81	50.1930
500553	3747938	0.10931	27.94	0.05428	18.88	46.8145
501553	3747938	0.1069	27.32	0.04605	16.02	43.3362
502553	3747938	0.09207	23.53	0.03958	13.77	37.2959
503553	3747938	0.09506	24.29	0.04488	15.61	39.9034
504553	3747938	0.08818	22.54	0.04155	14.45	36.9869
505553	3747938	0.08795	22.48	0.04041	14.05	36.5316
461553	3748938	0.05284	13.50	0.02004	6.97	20.4740
462553	3748938	0.04837	12.36	0.01899	6.60	18.9664
463553	3748938	0.0502	12.83	0.02003	6.97	19.7958
464553	3748938	0.05261	13.45	0.02156	7.50	20.9439
465553	3748938	0.05353	13.68	0.02508	8.72	22.4033
466553	3748938	0.05703	14.57	0.03023	10.51	25.0890
467553	3748938	0.06548	16.73	0.03525	12.26	28.9945
468553	3748938	0.09828	25.12	0.0453	15.76	40.8724
469553	3748938	0.10575	27.03	0.03803	13.23	40.2528
470553	3748938	0.1303	33.30	0.04572	15.90	49.2015
471553	3748938	0.11337	28.97	0.04931	17.15	46.1235
472553	3748938	0.13163	33.64	0.044	15.30	48.9432
473553	3748938	0.10246	26.18	0.03714	12.92	39.1025

474553	3748938	0.08998	23.00	0.04972	17.29	40.2885
475553	3748938	0.11812	30.19	0.05945	20.68	50.8642
476553	3748938	0.14233	36.37	0.07387	25.69	62.0668
477553	3748938	0.18456	47.17	0.07802	27.14	74.3025
478553	3748938	0.1992	50.91	0.07134	24.81	75.7206
479553	3748938	0.19943	50.97	0.08601	29.92	80.8817
480553	3748938	0.21128	54.00	0.09845	34.24	88.2369
481553	3748938	0.32826	83.89	0.12977	45.14	129.0259
482553	3748938	0.23222	59.35	0.09004	31.32	90.6633
483553	3748938	0.41313	105.58	0.16816	58.49	164.0678
484553	3748938	0.47091	120.35	0.17328	60.27	180.6149
485553	3748938	0.47279	120.83	0.14327	49.83	170.6576
486553	3748938	0.50723	129.63	0.17315	60.22	189.8517
487553	3748938	0.49743	127.12	0.1794	62.40	189.5210
488553	3748938	0.37035	94.65	0.15377	53.48	148.1299
489553	3748938	0.32327	82.62	0.14554	50.62	133.2356
490553	3748938	0.3296	84.23	0.12293	42.76	126.9893
491553	3748938	0.23984	61.29	0.10111	35.17	96.4609
492553	3748938	0.21219	54.23	0.08773	30.51	84.7409
493553	3748938	0.20561	52.55	0.08249	28.69	81.2368
494553	3748938	0.17823	45.55	0.07994	27.80	73.3526
495553	3748938	0.23483	60.01	0.10166	35.36	95.3718
496553	3748938	0.15765	40.29	0.08738	30.39	70.6809
497553	3748938	0.15105	38.60	0.08087	28.13	66.7299
498553	3748938	0.16131	41.22	0.07386	25.69	66.9138
499553	3748938	0.13578	34.70	0.06026	20.96	55.6592
500553	3748938	0.10172	26.00	0.05336	18.56	44.5548
501553	3748938	0.08489	21.69	0.04655	16.19	37.8852
502553	3748938	0.09613	24.57	0.04239	14.74	39.3108
503553	3748938	0.09193	23.49	0.03356	11.67	35.1663
504553	3748938	0.09	23.00	0.04052	14.09	37.0938
505553	3748938	0.07599	19.42	0.03778	13.14	32.5604
461553	3749938	0.0716	18.30	0.02345	8.16	26.4543
462553	3749938	0.06982	17.84	0.0238	8.28	26.1212
463553	3749938	0.06925	17.70	0.02458	8.55	26.2468
464553	3749938	0.06732	17.20	0.02489	8.66	25.8614
465553	3749938	0.06788	17.35	0.0243	8.45	25.7993
466553	3749938	0.06726	17.19	0.02465	8.57	25.7626
467553	3749938	0.06686	17.09	0.025	8.70	25.7821
468553	3749938	0.06723	17.18	0.02697	9.38	26.5618
469553	3749938	0.07568	19.34	0.03181	11.06	30.4047
470553	3749938	0.11849	30.28	0.04319	15.02	45.3034
471553	3749938	0.1245	31.82	0.0584	20.31	52.1295
472553	3749938	0.11763	30.06	0.05422	18.86	48.9199
473553	3749938	0.11313	28.91	0.04456	15.50	44.4101
474553	3749938	0.11804	30.17	0.04741	16.49	46.6561
475553	3749938	0.12076	30.86	0.04425	15.39	46.2522
476553	3749938	0.12209	31.20	0.05729	19.93	51.1275
477553	3749938	0.13704	35.02	0.07148	24.86	59.8836
478553	3749938	0.17845	45.60	0.09273	32.25	77.8573
479553	3749938	0.24499	62.61	0.09893	34.41	97.0188
480553	3749938	0.25819	65.98	0.10797	37.55	103.5364
481553	3749938	0.30467	77.86	0.1274	44.31	122.1729
482553	3749938	0.44998	115.00	0.16679	58.01	173.0088
483553	3749938	0.49029	125.30	0.19103	66.44	191.7413
484553	3749938	0.50831	129.90	0.23662	82.30	212.2032
485553	3749938	0.50062	127.94	0.18983	66.02	193.9639
486553	3749938	0.61675	157.62	0.24983	86.89	244.5109
487553	3749938	0.63143	161.37	0.22737	79.08	240.4507
488553	3749938	0.50899	130.08	0.16781	58.37	188.4442
489553	3749938	0.42014	107.37	0.1737	60.41	167.7862
490553	3749938	0.31377	80.19	0.13831	48.11	128.2931
491553	3749938	0.28729	73.42	0.11232	39.07	112.4863
492553	3749938	0.25966	66.36	0.10814	37.61	103.9712
493553	3749938	0.25201	64.40	0.09726	33.83	98.2320
494553	3749938	0.19546	49.95	0.09701	33.74	83.6931
495553	3749938	0.16991	43.42	0.09576	33.31	76.7287
496553	3749938	0.18018	46.05	0.0846	29.42	75.4718

497553	3749938	0.18538	47.38	0.09299	32.34	79.7188
498553	3749938	0.14251	36.42	0.08005	27.84	64.2622
499553	3749938	0.12008	30.69	0.0559	19.44	50.1304
500553	3749938	0.09491	24.26	0.0426	14.82	39.0720
501553	3749938	0.08579	21.92	0.04702	16.35	38.2786
502553	3749938	0.08693	22.22	0.03846	13.38	35.5927
503553	3749938	0.09628	24.61	0.03646	12.68	37.2866
504553	3749938	0.09418	24.07	0.03572	12.42	36.4925
505553	3749938	0.08092	20.68	0.03644	12.67	33.3542
461553	3750938	0.06951	17.76	0.03271	11.38	29.1409
462553	3750938	0.07545	19.28	0.03378	11.75	31.0311
463553	3750938	0.08178	20.90	0.03461	12.04	32.9375
464553	3750938	0.08707	22.25	0.03461	12.04	34.2894
465553	3750938	0.09105	23.27	0.03372	11.73	34.9970
466553	3750938	0.09762	24.95	0.03332	11.59	36.5369
467553	3750938	0.10417	26.62	0.03236	11.26	37.8770
468553	3750938	0.10399	26.58	0.03309	11.51	38.0849
469553	3750938	0.10162	25.97	0.03307	11.50	37.4722
470553	3750938	0.12656	32.34	0.0414	14.40	46.7432
471553	3750938	0.13394	34.23	0.0494	17.18	51.4117
472553	3750938	0.11784	30.12	0.04105	14.28	44.3930
473553	3750938	0.08899	22.74	0.04107	14.28	37.0270
474553	3750938	0.0924	23.61	0.05169	17.98	41.5922
475553	3750938	0.10947	27.98	0.05916	20.58	48.5527
476553	3750938	0.14284	36.50	0.05954	20.71	57.2130
477553	3750938	0.16579	42.37	0.06455	22.45	64.8207
478553	3750938	0.17643	45.09	0.06786	23.60	68.6911
479553	3750938	0.17897	45.74	0.09394	32.67	78.4111
480553	3750938	0.25422	64.97	0.13006	45.24	110.2050
481553	3750938	0.35654	91.12	0.13451	46.78	137.9018
482553	3750938	0.39055	99.81	0.15504	53.92	153.7340
483553	3750938	0.50244	128.40	0.17438	60.65	189.0554
484553	3750938	0.61821	157.99	0.27733	96.46	254.4487
485553	3750938	0.41569	106.23	0.16787	58.39	164.6212
486553	3750938	0.46218	118.12	0.18707	65.06	183.1802
487553	3750938	0.76444	195.36	0.29302	101.92	297.2766
488553	3750938	0.66546	170.07	0.24492	85.19	255.2515
489553	3750938	0.44408	113.49	0.20309	70.64	184.1264
490553	3750938	0.39666	101.37	0.15341	53.36	154.7285
491553	3750938	0.36496	93.27	0.14304	49.75	143.0204
492553	3750938	0.26685	68.20	0.13693	47.63	115.8222
493553	3750938	0.29644	75.76	0.10611	36.91	112.6647
494553	3750938	0.26862	68.65	0.10507	36.54	105.1933
495553	3750938	0.22789	58.24	0.11736	40.82	99.0589
496553	3750938	0.17236	44.05	0.08541	29.71	73.7550
497553	3750938	0.14684	37.53	0.07918	27.54	65.0662
498553	3750938	0.14338	36.64	0.07127	24.79	61.4308
499553	3750938	0.1121	28.65	0.0473	16.45	45.0998
500553	3750938	0.09962	25.46	0.04609	16.03	41.4896
501553	3750938	0.09697	24.78	0.04834	16.81	41.5949
502553	3750938	0.09352	23.90	0.04438	15.44	39.3359
503553	3750938	0.08591	21.96	0.03535	12.30	34.2504
504553	3750938	0.07925	20.25	0.0349	12.14	32.3918
505553	3750938	0.06571	16.79	0.03164	11.00	27.7976
461553	3751938	0.06536	16.70	0.0279	9.70	26.4074
462553	3751938	0.06844	17.49	0.02834	9.86	27.3476
463553	3751938	0.0718	18.35	0.02873	9.99	28.3419
464553	3751938	0.07616	19.46	0.03133	10.90	30.3604
465553	3751938	0.0812	20.75	0.03523	12.25	33.0049
466553	3751938	0.08633	22.06	0.03937	13.69	35.7559
467553	3751938	0.09097	23.25	0.04342	15.10	38.3503
468553	3751938	0.09502	24.28	0.04719	16.41	40.6966
469553	3751938	0.10136	25.90	0.05012	17.43	43.3359
470553	3751938	0.11254	28.76	0.05286	18.39	47.1461
471553	3751938	0.14823	37.88	0.05844	20.33	58.2079
472553	3751938	0.13778	35.21	0.05159	17.94	53.1548
473553	3751938	0.14349	36.67	0.04754	16.53	53.2054
474553	3751938	0.15066	38.50	0.04803	16.71	55.2082

475553	3751938	0.1545	39.48	0.04775	16.61	56.0922
476553	3751938	0.15253	38.98	0.05096	17.72	56.7052
477553	3751938	0.15169	38.77	0.0644	22.40	61.1651
478553	3751938	0.15753	40.26	0.08608	29.94	70.1981
479553	3751938	0.19372	49.51	0.09619	33.46	82.9632
480553	3751938	0.27208	69.53	0.10484	36.46	105.9975
481553	3751938	0.3113	79.56	0.14503	50.44	129.9991
482553	3751938	0.39643	101.31	0.21313	74.13	175.4409
483553	3751938	0.61806	157.95	0.25154	87.49	245.4404
484553	3751938	0.77854	198.96	0.27456	95.49	294.4595
485553	3751938	1.06185	271.37	0.42766	148.74	420.1123
486553	3751938	0.63576	162.48	0.22963	79.87	242.3433
487553	3751938	1.08479	277.23	0.41217	143.36	420.5873
488553	3751938	0.75729	193.53	0.34204	118.96	312.4990
489553	3751938	0.6467	165.27	0.2442	84.94	250.2068
490553	3751938	0.41785	106.79	0.21841	75.97	182.7515
491553	3751938	0.34329	87.73	0.15514	53.96	141.6909
492553	3751938	0.28687	73.31	0.1267	44.07	117.3804
493553	3751938	0.31119	79.53	0.16021	55.72	135.2508
494553	3751938	0.29266	74.79	0.142	49.39	124.1816
495553	3751938	0.22562	57.66	0.11906	41.41	99.0700
496553	3751938	0.16038	40.99	0.08551	29.74	70.7282
497553	3751938	0.13935	35.61	0.07818	27.19	62.8043
498553	3751938	0.1157	29.57	0.05845	20.33	49.8979
499553	3751938	0.09199	23.51	0.04872	16.95	40.4544
500553	3751938	0.08488	21.69	0.04286	14.91	36.5992
501553	3751938	0.09659	24.68	0.04103	14.27	38.9553
502553	3751938	0.08798	22.48	0.03471	12.07	34.5568
503553	3751938	0.07988	20.41	0.03208	11.16	31.5720
504553	3751938	0.08706	22.25	0.0334	11.62	33.8660
505553	3751938	0.08788	22.46	0.03305	11.50	33.9539
461553	3752938	0.05864	14.99	0.02422	8.42	23.4101
462553	3752938	0.06116	15.63	0.0252	8.76	24.3949
463553	3752938	0.06432	16.44	0.02714	9.44	25.8773
464553	3752938	0.0675	17.25	0.02916	10.14	27.3925
465553	3752938	0.07197	18.39	0.03178	11.05	29.4462
466553	3752938	0.0779	19.91	0.0351	12.21	32.1164
467553	3752938	0.08418	21.51	0.03865	13.44	34.9560
468553	3752938	0.09003	23.01	0.04202	14.61	37.6232
469553	3752938	0.09496	24.27	0.04496	15.64	39.9056
470553	3752938	0.10097	25.80	0.04782	16.63	42.4363
471553	3752938	0.10436	26.67	0.05032	17.50	44.1722
472553	3752938	0.1097	28.04	0.05236	18.21	46.2464
473553	3752938	0.11742	30.01	0.05464	19.00	49.0124
474553	3752938	0.13159	33.63	0.06248	21.73	55.3605
475553	3752938	0.14824	37.88	0.0732	25.46	63.3441
476553	3752938	0.16784	42.89	0.08459	29.42	72.3147
477553	3752938	0.19107	48.83	0.09549	33.21	82.0425
478553	3752938	0.2187	55.89	0.1037	36.07	91.9592
479553	3752938	0.25937	66.29	0.1024	35.62	101.9007
480553	3752938	0.33253	84.98	0.10717	37.27	122.2566
481553	3752938	0.41385	105.76	0.14267	49.62	155.3861
482553	3752938	0.48671	124.38	0.20961	72.90	197.2887
483553	3752938	0.5434	138.87	0.2629	91.44	230.3113
484553	3752938	0.87002	222.34	0.4754	165.35	387.6923
485553	3752938	1.66728	426.09	0.5555	193.21	619.3009
486553	3752938	2.50714	640.73	0.63569	221.10	861.8277
487553	3752938	1.81124	462.88	0.62095	215.97	678.8557
488553	3752938	0.95218	243.34	0.47391	164.83	408.1710
489553	3752938	0.68631	175.39	0.29422	102.33	277.7270
490553	3752938	0.49382	126.20	0.21111	73.43	199.6275
491553	3752938	0.46141	117.92	0.22261	77.43	195.3445
492553	3752938	0.38468	98.31	0.16571	57.64	155.9449
493553	3752938	0.33318	85.15	0.16979	59.05	144.2026
494553	3752938	0.29491	75.37	0.14452	50.27	125.6331
495553	3752938	0.24167	61.76	0.11324	39.39	101.1475
496553	3752938	0.15831	40.46	0.07027	24.44	64.8985
497553	3752938	0.15303	39.11	0.07116	24.75	63.8587

498553	3752938	0.12786	32.68	0.05908	20.55	53.2247
499553	3752938	0.11411	29.16	0.05435	18.90	48.0656
500553	3752938	0.10611	27.12	0.0484	16.83	43.9516
501553	3752938	0.09931	25.38	0.0476	16.56	41.9356
502553	3752938	0.08961	22.90	0.04337	15.08	37.9854
503553	3752938	0.08545	21.84	0.04215	14.66	36.4979
504553	3752938	0.081	20.70	0.04066	14.14	34.8424
505553	3752938	0.076	19.42	0.03857	13.42	32.8377
461553	3753938	0.06748	17.25	0.02465	8.57	25.8188
462553	3753938	0.07002	17.89	0.02552	8.88	26.7705
463553	3753938	0.0731	18.68	0.02658	9.24	27.9263
464553	3753938	0.07641	19.53	0.02771	9.64	29.1653
465553	3753938	0.08176	20.89	0.02957	10.28	31.1794
466553	3753938	0.08774	22.42	0.03164	11.00	33.4277
467553	3753938	0.09325	23.83	0.03353	11.66	35.4932
468553	3753938	0.1018	26.02	0.03645	12.68	38.6938
469553	3753938	0.10995	28.10	0.03928	13.66	41.7610
470553	3753938	0.11496	29.38	0.04093	14.24	43.6152
471553	3753938	0.11743	30.01	0.04179	14.53	44.5456
472553	3753938	0.12686	32.42	0.04517	15.71	48.1311
473553	3753938	0.13673	34.94	0.04932	17.15	52.0969
474553	3753938	0.14183	36.25	0.05427	18.88	55.1219
475553	3753938	0.15571	39.79	0.06085	21.16	60.9577
476553	3753938	0.1721	43.98	0.06888	23.96	67.9393
477553	3753938	0.19232	49.15	0.07903	27.49	76.6370
478553	3753938	0.21836	55.80	0.09246	32.16	87.9629
479553	3753938	0.25203	64.41	0.1104	38.40	102.8074
480553	3753938	0.2964	75.75	0.13348	46.43	122.1741
481553	3753938	0.3972	101.51	0.17231	59.93	161.4401
482553	3753938	0.53427	136.54	0.24237	84.30	220.8375
483553	3753938	0.68732	175.65	0.47672	165.81	341.4603
484553	3753938	1.10429	282.21	0.72458	252.02	534.2299
485553	3753938	1.78665	456.60	1.13461	394.63	851.2272
486553	3753938	3.87784	991.03	2.32067	807.15	1798.1779
487553	3753938	2.11971	541.72	1.41531	492.26	1033.9747
488553	3753938	1.0885	278.18	0.62477	217.30	495.4797
489553	3753938	0.75485	192.91	0.39456	137.23	330.1424
490553	3753938	0.58985	150.74	0.37301	129.74	280.4794
491553	3753938	0.42357	108.25	0.25348	88.16	196.4110
492553	3753938	0.3638	92.97	0.20008	69.59	162.5630
493553	3753938	0.29294	74.86	0.15636	54.38	129.2477
494553	3753938	0.27151	69.39	0.13731	47.76	117.1452
495553	3753938	0.21919	56.02	0.10824	37.65	93.6634
496553	3753938	0.15596	39.86	0.0747	25.98	65.8388
497553	3753938	0.13569	34.68	0.06479	22.53	57.2117
498553	3753938	0.1261	32.23	0.05869	20.41	52.6393
499553	3753938	0.1165	29.77	0.053	18.43	48.2068
500553	3753938	0.11626	29.71	0.04678	16.27	45.9821
501553	3753938	0.10669	27.27	0.04238	14.74	42.0060
502553	3753938	0.09933	25.38	0.03894	13.54	38.9286
503553	3753938	0.09456	24.17	0.03668	12.76	36.9236
504553	3753938	0.0905	23.13	0.03481	12.11	35.2356
505553	3753938	0.0872	22.28	0.03336	11.60	33.8879
461553	3754938	0.05173	13.22	0.02768	9.63	22.8476
462553	3754938	0.05225	13.35	0.02852	9.92	23.2726
463553	3754938	0.05289	13.52	0.02952	10.27	23.7840
464553	3754938	0.05398	13.80	0.03063	10.65	24.4486
465553	3754938	0.0571	14.59	0.03183	11.07	25.6633
466553	3754938	0.06259	16.00	0.03425	11.91	27.9081
467553	3754938	0.06862	17.54	0.03572	12.42	29.9604
468553	3754938	0.07644	19.54	0.03753	13.05	32.5884
469553	3754938	0.08488	21.69	0.03933	13.68	35.3714
470553	3754938	0.09371	23.95	0.04104	14.27	38.2228
471553	3754938	0.10262	26.23	0.04258	14.81	41.0355
472553	3754938	0.11154	28.51	0.04397	15.29	43.7985
473553	3754938	0.11717	29.94	0.04574	15.91	45.8530
474553	3754938	0.12662	32.36	0.04796	16.68	49.0402
475553	3754938	0.13544	34.61	0.05627	19.57	54.1845

476553	3754938	0.17038	43.54	0.06623	23.04	66.5780
477553	3754938	0.22428	57.32	0.07853	27.31	84.6308
478553	3754938	0.28018	71.60	0.09351	32.52	104.1269
479553	3754938	0.3435	87.79	0.10944	38.06	125.8497
480553	3754938	0.36188	92.48	0.16826	58.52	151.0051
481553	3754938	0.45748	116.91	0.23985	83.42	200.3364
482553	3754938	0.55544	141.95	0.35671	124.07	266.0162
483553	3754938	0.60225	153.91	0.4359	151.61	305.5221
484553	3754938	1.01313	258.92	0.58069	201.97	460.8866
485553	3754938	1.43247	366.08	0.94626	329.12	695.2025
486553	3754938	1.31659	336.47	0.87168	303.18	639.6484
487553	3754938	1.30158	332.63	0.92637	322.20	654.8341
488553	3754938	0.98256	251.10	0.72461	252.03	503.1308
489553	3754938	0.61935	158.28	0.51143	177.88	336.1623
490553	3754938	0.48365	123.60	0.28368	98.67	222.2690
491553	3754938	0.44432	113.55	0.20132	70.02	183.5721
492553	3754938	0.28538	72.93	0.13283	46.20	119.1317
493553	3754938	0.23224	59.35	0.13491	46.92	106.2746
494553	3754938	0.19303	49.33	0.10236	35.60	84.9328
495553	3754938	0.15388	39.33	0.08057	28.02	67.3488
496553	3754938	0.13368	34.16	0.07878	27.40	61.5639
497553	3754938	0.12595	32.19	0.07107	24.72	56.9068
498553	3754938	0.11262	28.78	0.0635	22.09	50.8672
499553	3754938	0.09439	24.12	0.05478	19.05	43.1755
500553	3754938	0.09938	25.40	0.04972	17.29	42.6908
501553	3754938	0.09068	23.17	0.04319	15.02	38.1962
502553	3754938	0.08648	22.10	0.04183	14.55	36.6498
503553	3754938	0.08668	22.15	0.04007	13.94	36.0888
504553	3754938	0.08649	22.10	0.03883	13.51	35.6090
505553	3754938	0.08514	21.76	0.03755	13.06	34.8188
461553	3755938	0.05804	14.83	0.02111	7.34	22.1751
462553	3755938	0.06076	15.53	0.02269	7.89	23.4197
463553	3755938	0.06327	16.17	0.02434	8.47	24.6351
464553	3755938	0.06562	16.77	0.02611	9.08	25.8513
465553	3755938	0.06792	17.36	0.02808	9.77	27.1242
466553	3755938	0.07146	18.26	0.03085	10.73	28.9924
467553	3755938	0.07359	18.81	0.03311	11.52	30.3227
468553	3755938	0.08158	20.85	0.03582	12.46	33.3073
469553	3755938	0.09326	23.83	0.03647	12.68	36.5183
470553	3755938	0.11935	30.50	0.04101	14.26	44.7649
471553	3755938	0.14218	36.34	0.0434	15.09	51.4307
472553	3755938	0.14863	37.98	0.0457	15.89	53.8790
473553	3755938	0.16306	41.67	0.05798	20.17	61.8379
474553	3755938	0.17958	45.89	0.07402	25.74	71.6386
475553	3755938	0.17983	45.96	0.09231	32.11	78.0639
476553	3755938	0.17001	43.45	0.0965	33.56	77.0116
477553	3755938	0.22418	57.29	0.10107	35.15	92.4449
478553	3755938	0.27083	69.21	0.09557	33.24	102.4539
479553	3755938	0.31219	79.78	0.15436	53.69	133.4716
480553	3755938	0.33626	85.94	0.19904	69.23	155.1631
481553	3755938	0.39006	99.68	0.21732	75.59	175.2703
482553	3755938	0.54	138.00	0.2701	93.94	231.9466
483553	3755938	0.60393	154.34	0.39004	135.66	290.0009
484553	3755938	0.76158	194.63	0.37636	130.90	325.5322
485553	3755938	0.75976	194.17	0.49115	170.83	364.9921
486553	3755938	0.77088	197.01	0.45218	157.27	354.2798
487553	3755938	0.65101	166.37	0.42206	146.80	313.1696
488553	3755938	0.56535	144.48	0.33381	116.10	260.5840
489553	3755938	0.4526	115.67	0.31477	109.48	225.1472
490553	3755938	0.44037	112.54	0.1959	68.14	180.6775
491553	3755938	0.25235	64.49	0.14459	50.29	114.7807
492553	3755938	0.26487	67.69	0.155	53.91	121.6011
493553	3755938	0.18547	47.40	0.11645	40.50	87.9014
494553	3755938	0.22627	57.83	0.09983	34.72	92.5477
495553	3755938	0.21717	55.50	0.09194	31.98	87.4779
496553	3755938	0.17987	45.97	0.06885	23.95	69.9145
497553	3755938	0.13116	33.52	0.0675	23.48	56.9966
498553	3755938	0.11519	29.44	0.05936	20.65	50.0841

499553	3755938	0.09329	23.84	0.046	16.00	39.8406
500553	3755938	0.08993	22.98	0.04398	15.30	38.2793
501553	3755938	0.09515	24.32	0.04202	14.61	38.9316
502553	3755938	0.08392	21.45	0.03854	13.40	34.8513
503553	3755938	0.07365	18.82	0.03369	11.72	30.5398
504553	3755938	0.07073	18.08	0.0301	10.47	28.5449
505553	3755938	0.0726	18.55	0.02985	10.38	28.9359
461553	3756938	0.05733	14.65	0.02443	8.50	23.1483
462553	3756938	0.06539	16.71	0.02475	8.61	25.3195
463553	3756938	0.07491	19.14	0.02487	8.65	27.7941
464553	3756938	0.08479	21.67	0.02672	9.29	30.9625
465553	3756938	0.09459	24.17	0.0289	10.05	34.2253
466553	3756938	0.10387	26.55	0.0345	12.00	38.5446
467553	3756938	0.10939	27.96	0.04002	13.92	41.8752
468553	3756938	0.10944	27.97	0.04476	15.57	43.5366
469553	3756938	0.1084	27.70	0.05044	17.54	45.2464
470553	3756938	0.10462	26.74	0.05662	19.69	46.4298
471553	3756938	0.09474	24.21	0.06119	21.28	45.4944
472553	3756938	0.09799	25.04	0.05973	20.77	45.8171
473553	3756938	0.14638	37.41	0.05319	18.50	55.9091
474553	3756938	0.13608	34.78	0.05504	19.14	53.9203
475553	3756938	0.19866	50.77	0.09225	32.09	82.8553
476553	3756938	0.20448	52.26	0.0965	33.56	85.8208
477553	3756938	0.21477	54.89	0.10146	35.29	90.1757
478553	3756938	0.24734	63.21	0.1275	44.35	107.5563
479553	3756938	0.26938	68.84	0.13619	47.37	116.2114
480553	3756938	0.29542	75.50	0.15612	54.30	129.7980
481553	3756938	0.36304	92.78	0.164	57.04	149.8198
482553	3756938	0.31294	79.98	0.19295	67.11	147.0853
483553	3756938	0.46489	118.81	0.22761	79.16	197.9729
484553	3756938	0.57985	148.19	0.26459	92.03	240.2143
485553	3756938	0.45718	116.84	0.29266	101.79	218.6276
486553	3756938	0.47452	121.27	0.24015	83.53	204.7955
487553	3756938	0.45391	116.00	0.22598	78.60	194.5999
488553	3756938	0.4316	110.30	0.16504	57.40	167.7029
489553	3756938	0.29344	74.99	0.15533	54.03	129.0172
490553	3756938	0.26445	67.58	0.17643	61.36	128.9473
491553	3756938	0.27444	70.14	0.1634	56.83	126.9684
492553	3756938	0.22853	58.40	0.10652	37.05	95.4522
493553	3756938	0.21557	55.09	0.12387	43.08	98.1746
494553	3756938	0.20773	53.09	0.11021	38.33	91.4199
495553	3756938	0.16747	42.80	0.08265	28.75	71.5454
496553	3756938	0.13275	33.93	0.09218	32.06	65.9869
497553	3756938	0.14792	37.80	0.07328	25.49	63.2901
498553	3756938	0.15523	39.67	0.06565	22.83	62.5045
499553	3756938	0.12802	32.72	0.04929	17.14	49.8605
500553	3756938	0.11546	29.51	0.04523	15.73	45.2386
501553	3756938	0.09574	24.47	0.03743	13.02	37.4860
502553	3756938	0.08642	22.09	0.03423	11.91	33.9912
503553	3756938	0.07837	20.03	0.03393	11.80	31.8295
504553	3756938	0.06824	17.44	0.03285	11.43	28.8651
505553	3756938	0.06329	16.17	0.02994	10.41	26.5879
461553	3757938	0.08494	21.71	0.0323	11.23	32.9416
462553	3757938	0.08631	22.06	0.0354	12.31	34.3700
463553	3757938	0.08561	21.88	0.03821	13.29	35.1684
464553	3757938	0.08322	21.27	0.04083	14.20	35.4689
465553	3757938	0.07557	19.31	0.04129	14.36	33.6738
466553	3757938	0.06584	16.83	0.04061	14.12	30.9507
467553	3757938	0.06439	16.46	0.03893	13.54	29.9958
468553	3757938	0.07179	18.35	0.03568	12.41	30.7566
469553	3757938	0.08568	21.90	0.03208	11.16	33.0542
470553	3757938	0.09976	25.49	0.03529	12.27	37.7690
471553	3757938	0.10302	26.33	0.04342	15.10	41.4298
472553	3757938	0.13646	34.87	0.0524	18.23	53.0992
473553	3757938	0.08945	22.86	0.04815	16.75	39.6070
474553	3757938	0.08663	22.14	0.05347	18.60	40.7367
475553	3757938	0.17442	44.58	0.09151	31.83	76.4031
476553	3757938	0.19713	50.38	0.08647	30.08	80.4539

477553	3757938	0.21796	55.70	0.1055	36.69	92.3961
478553	3757938	0.24514	62.65	0.12012	41.78	104.4272
479553	3757938	0.25732	65.76	0.1115	38.78	104.5419
480553	3757938	0.20595	52.63	0.12284	42.72	95.3578
481553	3757938	0.18406	47.04	0.11691	40.66	87.7011
482553	3757938	0.28124	71.87	0.13622	47.38	119.2527
483553	3757938	0.24107	61.61	0.19727	68.61	130.2206
484553	3757938	0.2967	75.83	0.22572	78.51	154.3327
485553	3757938	0.33236	84.94	0.15883	55.24	140.1810
486553	3757938	0.31456	80.39	0.15136	52.64	133.0339
487553	3757938	0.30097	76.92	0.15185	52.81	129.7312
488553	3757938	0.28496	72.82	0.15898	55.29	128.1196
489553	3757938	0.24505	62.63	0.12517	43.54	106.1607
490553	3757938	0.25262	64.56	0.11865	41.27	105.8276
491553	3757938	0.19896	50.85	0.12597	43.81	94.6601
492553	3757938	0.21107	53.94	0.10391	36.14	90.0823
493553	3757938	0.24819	63.43	0.11708	40.72	104.1494
494553	3757938	0.18631	47.61	0.09464	32.92	80.5304
495553	3757938	0.1612	41.20	0.08152	28.35	69.5500
496553	3757938	0.13796	35.26	0.08234	28.64	63.8959
497553	3757938	0.14224	36.35	0.06568	22.84	59.1952
498553	3757938	0.11384	29.09	0.05887	20.48	49.5687
499553	3757938	0.09578	24.48	0.0634	22.05	46.5288
500553	3757938	0.10041	25.66	0.06176	21.48	47.1417
501553	3757938	0.12108	30.94	0.04852	16.88	47.8191
502553	3757938	0.1258	32.15	0.04642	16.15	48.2950
503553	3757938	0.10187	26.03	0.03827	13.31	39.3447
504553	3757938	0.09692	24.77	0.03165	11.01	35.7772
505553	3757938	0.07075	18.08	0.02978	10.36	28.4387
461553	3758938	0.05453	13.94	0.03258	11.33	25.2674
462553	3758938	0.05363	13.71	0.03082	10.72	24.4253
463553	3758938	0.05283	13.50	0.02822	9.82	23.3165
464553	3758938	0.05982	15.29	0.0255	8.87	24.1568
465553	3758938	0.06865	17.54	0.02496	8.68	26.2256
466553	3758938	0.07592	19.40	0.02724	9.47	28.8766
467553	3758938	0.08001	20.45	0.03176	11.05	31.4939
468553	3758938	0.08449	21.59	0.03574	12.43	34.0231
469553	3758938	0.08872	22.67	0.038	13.22	35.8902
470553	3758938	0.08534	21.81	0.04135	14.38	36.1915
471553	3758938	0.08166	20.87	0.04388	15.26	36.1310
472553	3758938	0.08986	22.96	0.04494	15.63	38.5953
473553	3758938	0.08174	20.89	0.04049	14.08	34.9724
474553	3758938	0.13506	34.52	0.06662	23.17	57.6872
475553	3758938	0.17231	44.04	0.08589	29.87	73.9092
476553	3758938	0.2038	52.08	0.09238	32.13	84.2141
477553	3758938	0.23323	59.60	0.10758	37.42	97.0220
478553	3758938	0.23408	59.82	0.12117	42.14	101.9659
479553	3758938	0.1585	40.51	0.07853	27.31	67.8200
480553	3758938	0.15461	39.51	0.08216	28.58	68.0884
481553	3758938	0.20059	51.26	0.09084	31.60	82.8581
482553	3758938	0.19737	50.44	0.13628	47.40	97.8397
483553	3758938	0.28273	72.25	0.11971	41.64	113.8912
484553	3758938	0.31932	81.61	0.14668	51.02	132.6226
485553	3758938	0.27502	70.28	0.13944	48.50	118.7831
486553	3758938	0.25786	65.90	0.12278	42.70	108.6032
487553	3758938	0.31782	81.22	0.15489	53.87	135.0948
488553	3758938	0.25043	64.00	0.11417	39.71	103.7097
489553	3758938	0.35291	90.19	0.13713	47.70	137.8854
490553	3758938	0.28015	71.60	0.1569	54.57	126.1669
491553	3758938	0.26384	67.43	0.11586	40.30	107.7246
492553	3758938	0.19909	50.88	0.12024	41.82	92.7004
493553	3758938	0.23304	59.56	0.12084	42.03	101.5854
494553	3758938	0.20706	52.92	0.11176	38.87	91.7878
495553	3758938	0.19572	50.02	0.06477	22.53	72.5461
496553	3758938	0.12562	32.10	0.07706	26.80	58.9058
497553	3758938	0.12529	32.02	0.05925	20.61	52.6270
498553	3758938	0.09807	25.06	0.05993	20.84	45.9071
499553	3758938	0.09867	25.22	0.04714	16.40	41.6120

500553	3758938	0.10289	26.29	0.04375	15.22	41.5114
501553	3758938	0.08636	22.07	0.04147	14.42	36.4940
502553	3758938	0.0776	19.83	0.04614	16.05	35.8795
503553	3758938	0.08428	21.54	0.05181	18.02	39.5587
504553	3758938	0.07936	20.28	0.04789	16.66	36.9380
505553	3758938	0.0717	18.32	0.0288	10.02	28.3407
461553	3759938	0.05837	14.92	0.02077	7.22	22.1411
462553	3759938	0.06371	16.28	0.02321	8.07	24.3545
463553	3759938	0.07036	17.98	0.02751	9.57	27.5496
464553	3759938	0.0679	17.35	0.02935	10.21	27.5608
465553	3759938	0.07351	18.79	0.03121	10.86	29.6415
466553	3759938	0.07424	18.97	0.03183	11.07	30.0437
467553	3759938	0.06912	17.66	0.0342	11.90	29.5595
468553	3759938	0.06633	16.95	0.03409	11.86	28.8082
469553	3759938	0.07193	18.38	0.03195	11.11	29.4951
470553	3759938	0.07532	19.25	0.03203	11.14	30.3892
471553	3759938	0.08014	20.48	0.03567	12.41	32.8871
472553	3759938	0.10823	27.66	0.04905	17.06	44.7195
473553	3759938	0.08093	20.68	0.0409	14.23	34.9080
474553	3759938	0.15628	39.94	0.07018	24.41	64.3484
475553	3759938	0.17834	45.58	0.08707	30.28	75.8606
476553	3759938	0.20646	52.76	0.09508	33.07	85.8330
477553	3759938	0.12823	32.77	0.07825	27.22	59.9868
478553	3759938	0.19905	50.87	0.10436	36.30	87.1669
479553	3759938	0.13154	33.62	0.06839	23.79	57.4033
480553	3759938	0.16013	40.92	0.07241	25.18	66.1080
481553	3759938	0.17284	44.17	0.08727	30.35	74.5246
482553	3759938	0.16639	42.52	0.07936	27.60	70.1251
483553	3759938	0.17476	44.66	0.09068	31.54	76.2013
484553	3759938	0.24513	62.65	0.12793	44.50	107.1411
485553	3759938	0.31269	79.91	0.1501	52.21	132.1178
486553	3759938	0.36959	94.45	0.18017	62.66	157.1178
487553	3759938	0.36225	92.58	0.17591	61.18	153.7604
488553	3759938	0.38101	97.37	0.18296	63.64	161.0067
489553	3759938	0.30926	79.03	0.15834	55.07	134.1071
490553	3759938	0.23556	60.20	0.11516	40.05	100.2538
491553	3759938	0.20138	51.47	0.1209	42.05	93.5152
492553	3759938	0.22011	56.25	0.09218	32.06	88.3127
493553	3759938	0.15009	38.36	0.08161	28.38	66.7420
494553	3759938	0.15952	40.77	0.07627	26.53	67.2946
495553	3759938	0.16156	41.29	0.06437	22.39	63.6770
496553	3759938	0.11889	30.38	0.08023	27.90	58.2885
497553	3759938	0.14391	36.78	0.04978	17.31	54.0918
498553	3759938	0.08846	22.61	0.04885	16.99	39.5975
499553	3759938	0.08955	22.89	0.04127	14.35	37.2396
500553	3759938	0.07657	19.57	0.04233	14.72	34.2911
501553	3759938	0.08266	21.12	0.04519	15.72	36.8422
502553	3759938	0.08307	21.23	0.03615	12.57	33.8028
503553	3759938	0.07073	18.08	0.03071	10.68	28.7571
504553	3759938	0.06448	16.48	0.02799	9.74	26.2138
505553	3759938	0.0594	15.18	0.02579	8.97	24.1504
461553	3760938	0.06226	15.91	0.02684	9.34	25.2465
462553	3760938	0.06504	16.62	0.02727	9.48	26.1065
463553	3760938	0.06396	16.35	0.02846	9.90	26.2444
464553	3760938	0.06045	15.45	0.03002	10.44	25.8899
465553	3760938	0.05734	14.65	0.02887	10.04	24.6952
466553	3760938	0.05958	15.23	0.02686	9.34	24.5685
467553	3760938	0.06318	16.15	0.02574	8.95	25.0990
468553	3760938	0.0629	16.07	0.0286	9.95	26.0222
469553	3760938	0.07041	17.99	0.02914	10.14	28.1293
470553	3760938	0.08585	21.94	0.03355	11.67	33.6090
471553	3760938	0.08993	22.98	0.04055	14.10	37.0863
472553	3760938	0.12632	32.28	0.056	19.48	51.7599
473553	3760938	0.12669	32.38	0.06411	22.30	54.6752
474553	3760938	0.15699	40.12	0.07268	25.28	65.3994
475553	3760938	0.15473	39.54	0.08052	28.01	67.5487
476553	3760938	0.12063	30.83	0.05373	18.69	49.5162
477553	3760938	0.10831	27.68	0.05478	19.05	46.7329

478553	3760938	0.15766	40.29	0.07496	26.07	66.3636
479553	3760938	0.19448	49.70	0.08973	31.21	80.9106
480553	3760938	0.1827	46.69	0.07522	26.16	72.8533
481553	3760938	0.13718	35.06	0.06581	22.89	57.9473
482553	3760938	0.22003	56.23	0.1226	42.64	98.8727
483553	3760938	0.25315	64.70	0.09779	34.01	98.7077
484553	3760938	0.26104	66.71	0.12715	44.22	110.9358
485553	3760938	0.31826	81.34	0.14639	50.92	132.2509
486553	3760938	0.31993	81.76	0.11812	41.08	122.8451
487553	3760938	0.30343	77.55	0.15312	53.26	130.8016
488553	3760938	0.29645	75.76	0.14123	49.12	124.8824
489553	3760938	0.18997	48.55	0.10435	36.29	84.8430
490553	3760938	0.26148	66.82	0.11837	41.17	107.9945
491553	3760938	0.15212	38.88	0.08762	30.48	69.3511
492553	3760938	0.1627	41.58	0.0742	25.81	67.3873
493553	3760938	0.18468	47.20	0.07475	26.00	73.1959
494553	3760938	0.1258	32.15	0.0647	22.50	54.6529
495553	3760938	0.11194	28.61	0.06936	24.12	52.7316
496553	3760938	0.11869	30.33	0.06606	22.98	53.3089
497553	3760938	0.1164	29.75	0.05689	19.79	49.5343
498553	3760938	0.11514	29.43	0.0577	20.07	49.4940
499553	3760938	0.08896	22.73	0.03921	13.64	36.3724
500553	3760938	0.07074	18.08	0.03656	12.72	30.7943
501553	3760938	0.06521	16.67	0.03334	11.60	28.2611
502553	3760938	0.07304	18.67	0.03118	10.84	29.5109
503553	3760938	0.06658	17.02	0.02964	10.31	27.3244
504553	3760938	0.05902	15.08	0.0272	9.46	24.5437
505553	3760938	0.05542	14.16	0.02458	8.55	22.7124
461553	3761938	0.05402	13.81	0.02668	9.28	23.0850
462553	3761938	0.0515	13.16	0.0254	8.83	21.9958
463553	3761938	0.05182	13.24	0.02376	8.26	21.5072
464553	3761938	0.0555	14.18	0.02273	7.91	22.0894
465553	3761938	0.05519	14.10	0.02446	8.51	22.6119
466553	3761938	0.05818	14.87	0.0252	8.76	23.6334
467553	3761938	0.06374	16.29	0.02544	8.85	25.1378
468553	3761938	0.07148	18.27	0.02776	9.66	27.9227
469553	3761938	0.07326	18.72	0.03242	11.28	29.9984
470553	3761938	0.09462	24.18	0.0346	12.03	36.2154
471553	3761938	0.12112	30.95	0.05735	19.95	50.9005
472553	3761938	0.13969	35.70	0.06119	21.28	56.9819
473553	3761938	0.14128	36.11	0.06216	21.62	57.7256
474553	3761938	0.14061	35.93	0.07367	25.62	61.5576
475553	3761938	0.10469	26.75	0.05503	19.14	45.8947
476553	3761938	0.11086	28.33	0.06733	23.42	51.7496
477553	3761938	0.14976	38.27	0.06643	23.10	61.3779
478553	3761938	0.19115	48.85	0.08871	30.85	79.7048
479553	3761938	0.21084	53.88	0.08513	29.61	83.4916
480553	3761938	0.123	31.43	0.06877	23.92	55.3529
481553	3761938	0.24844	63.49	0.09234	32.12	95.6085
482553	3761938	0.18485	47.24	0.09934	34.55	81.7920
483553	3761938	0.24017	61.38	0.13023	45.30	106.6735
484553	3761938	0.20639	52.75	0.09664	33.61	86.3577
485553	3761938	0.30002	76.67	0.12844	44.67	121.3462
486553	3761938	0.27147	69.38	0.12983	45.16	114.5334
487553	3761938	0.19658	50.24	0.10626	36.96	87.1965
488553	3761938	0.20585	52.61	0.10554	36.71	89.3152
489553	3761938	0.19235	49.16	0.09531	33.15	82.3070
490553	3761938	0.15162	38.75	0.08657	30.11	68.8581
491553	3761938	0.17528	44.79	0.06481	22.54	67.3364
492553	3761938	0.14807	37.84	0.06623	23.04	60.8764
493553	3761938	0.14683	37.52	0.05936	20.65	58.1701
494553	3761938	0.14925	38.14	0.05855	20.36	58.5068
495553	3761938	0.10533	26.92	0.05016	17.45	44.3644
496553	3761938	0.09783	25.00	0.05852	20.35	45.3554
497553	3761938	0.11349	29.00	0.05238	18.22	47.2219
498553	3761938	0.10458	26.73	0.04125	14.35	41.0738
499553	3761938	0.07408	18.93	0.04214	14.66	33.5887
500553	3761938	0.05703	14.57	0.02927	10.18	24.7551

501553	3761938	0.06199	15.84	0.03147	10.95	26.7878
502553	3761938	0.06263	16.01	0.0283	9.84	25.8488
503553	3761938	0.06215	15.88	0.028	9.74	25.6218
504553	3761938	0.05906	15.09	0.0259	9.01	24.1017
505553	3761938	0.052	13.29	0.02244	7.80	21.0940
461553	3762938	0.05122	13.09	0.02121	7.38	20.4669
462553	3762938	0.05202	13.29	0.02214	7.70	20.9948
463553	3762938	0.05031	12.86	0.02312	8.04	20.8987
464553	3762938	0.05441	13.91	0.02223	7.73	21.6369
465553	3762938	0.05994	15.32	0.02388	8.31	23.6241
466553	3762938	0.06418	16.40	0.02601	9.05	25.4485
467553	3762938	0.06512	16.64	0.02871	9.99	26.6278
468553	3762938	0.07781	19.89	0.02867	9.97	29.8569
469553	3762938	0.08377	21.41	0.0352	12.24	33.6513
470553	3762938	0.11115	28.41	0.03813	13.26	41.6676
471553	3762938	0.12082	30.88	0.05143	17.89	48.7648
472553	3762938	0.11262	28.78	0.05596	19.46	48.2448
473553	3762938	0.11393	29.12	0.04995	17.37	46.4892
474553	3762938	0.11753	30.04	0.05771	20.07	50.1082
475553	3762938	0.13539	34.60	0.07154	24.88	59.4828
476553	3762938	0.10204	26.08	0.04383	15.24	41.3220
477553	3762938	0.15577	39.81	0.05711	19.86	59.6722
478553	3762938	0.19352	49.46	0.07447	25.90	75.3577
479553	3762938	0.13564	34.66	0.0791	27.51	62.1761
480553	3762938	0.13838	35.36	0.06855	23.84	59.2070
481553	3762938	0.16578	42.37	0.09007	31.33	73.6942
482553	3762938	0.20293	51.86	0.07634	26.55	78.4129
483553	3762938	0.18412	47.05	0.06995	24.33	71.3833
484553	3762938	0.16396	41.90	0.07898	27.47	69.3719
485553	3762938	0.26319	67.26	0.12333	42.90	110.1566
486553	3762938	0.24671	63.05	0.11605	40.36	103.4129
487553	3762938	0.18626	47.60	0.08749	30.43	78.0308
488553	3762938	0.24238	61.94	0.1143	39.75	101.6976
489553	3762938	0.24064	61.50	0.11184	38.90	100.3974
490553	3762938	0.2006	51.27	0.09682	33.67	84.9406
491553	3762938	0.20311	51.91	0.10003	34.79	86.6985
492553	3762938	0.11587	29.61	0.05891	20.49	50.1014
493553	3762938	0.12674	32.39	0.0574	19.96	52.3541
494553	3762938	0.12318	31.48	0.05012	17.43	48.9123
495553	3762938	0.12928	33.04	0.04971	17.29	50.3286
496553	3762938	0.09144	23.37	0.04464	15.53	38.8948
497553	3762938	0.08525	21.79	0.04234	14.73	36.5129
498553	3762938	0.09735	24.88	0.0425	14.78	39.6608
499553	3762938	0.07107	18.16	0.0381	13.25	31.4143
500553	3762938	0.06483	16.57	0.03315	11.53	28.0979
501553	3762938	0.0603	15.41	0.03005	10.45	25.8620
502553	3762938	0.06203	15.85	0.02718	9.45	25.3059
503553	3762938	0.05438	13.90	0.0249	8.66	22.5579
504553	3762938	0.05097	13.03	0.02301	8.00	21.0291
505553	3762938	0.04778	12.21	0.02124	7.39	19.5982
461553	3763938	0.05012	12.81	0.02169	7.54	20.3527
462553	3763938	0.05687	14.53	0.02312	8.04	22.5751
463553	3763938	0.05807	14.84	0.02293	7.98	22.8157
464553	3763938	0.05993	15.32	0.02507	8.72	24.0354
465553	3763938	0.06	15.33	0.0263	9.15	24.4811
466553	3763938	0.07039	17.99	0.02611	9.08	27.0703
467553	3763938	0.07021	17.94	0.03116	10.84	28.7807
468553	3763938	0.09581	24.49	0.0316	10.99	35.4761
469553	3763938	0.10142	25.92	0.04364	15.18	41.0975
470553	3763938	0.11072	28.30	0.04608	16.03	44.3228
471553	3763938	0.09036	23.09	0.04927	17.14	40.2291
472553	3763938	0.10826	27.67	0.04594	15.98	43.6455
473553	3763938	0.11341	28.98	0.05094	17.72	46.7007
474553	3763938	0.08016	20.49	0.04519	15.72	36.2033
475553	3763938	0.09098	23.25	0.03953	13.75	36.9999
476553	3763938	0.12536	32.04	0.05274	18.34	50.3807
477553	3763938	0.16737	42.77	0.06929	24.10	66.8731
478553	3763938	0.14077	35.98	0.07795	27.11	63.0872

479553	3763938	0.1483	37.90	0.07305	25.41	63.3073
480553	3763938	0.17818	45.54	0.07581	26.37	71.9034
481553	3763938	0.11202	28.63	0.05305	18.45	47.0793
482553	3763938	0.16599	42.42	0.07394	25.72	68.1377
483553	3763938	0.13936	35.62	0.0642	22.33	57.9444
484553	3763938	0.2123	54.26	0.09116	31.71	85.9620
485553	3763938	0.19958	51.00	0.09759	33.94	84.9477
486553	3763938	0.1811	46.28	0.0854	29.70	75.9851
487553	3763938	0.13495	34.49	0.06315	21.96	56.4522
488553	3763938	0.18374	46.96	0.08271	28.77	75.7242
489553	3763938	0.19168	48.99	0.09337	32.47	81.4610
490553	3763938	0.18494	47.26	0.07815	27.18	74.4449
491553	3763938	0.13306	34.01	0.074	25.74	59.7429
492553	3763938	0.16772	42.86	0.06538	22.74	65.6026
493553	3763938	0.10656	27.23	0.0567	19.72	46.9534
494553	3763938	0.10043	25.67	0.05339	18.57	44.2356
495553	3763938	0.09812	25.08	0.04834	16.81	41.8888
496553	3763938	0.11364	29.04	0.04562	15.87	44.9091
497553	3763938	0.07933	20.27	0.03858	13.42	33.6922
498553	3763938	0.07479	19.11	0.03682	12.81	31.9198
499553	3763938	0.06995	17.88	0.04427	15.40	33.2741
500553	3763938	0.06497	16.60	0.03365	11.70	28.3076
501553	3763938	0.0652	16.66	0.02906	10.11	26.7700
502553	3763938	0.05406	13.82	0.02375	8.26	22.0761
503553	3763938	0.04953	12.66	0.02128	7.40	20.0594
504553	3763938	0.04695	12.00	0.02097	7.29	19.2922
505553	3763938	0.04024	10.28	0.0186	6.47	16.7531
461553	3764938	0.05657	14.46	0.02202	7.66	22.1159
462553	3764938	0.0598	15.28	0.02559	8.90	24.1830
463553	3764938	0.06029	15.41	0.02617	9.10	24.5100
464553	3764938	0.06726	17.19	0.02507	8.72	25.9087
465553	3764938	0.06692	17.10	0.02918	10.15	27.2513
466553	3764938	0.08389	21.44	0.0293	10.19	31.6299
467553	3764938	0.09405	24.04	0.03757	13.07	37.1028
468553	3764938	0.10105	25.82	0.04222	14.68	40.5090
469553	3764938	0.09053	23.14	0.04482	15.59	38.7248
470553	3764938	0.09075	23.19	0.03846	13.38	36.5690
471553	3764938	0.09132	23.34	0.04248	14.77	38.1128
472553	3764938	0.10454	26.72	0.04793	16.67	43.3869
473553	3764938	0.0754	19.27	0.04033	14.03	33.2965
474553	3764938	0.08379	21.41	0.03579	12.45	33.8616
475553	3764938	0.10669	27.27	0.04724	16.43	43.6964
476553	3764938	0.13492	34.48	0.04892	17.01	51.4952
477553	3764938	0.14784	37.78	0.0791	27.51	65.2940
478553	3764938	0.11999	30.66	0.04503	15.66	46.3267
479553	3764938	0.14873	38.01	0.05161	17.95	55.9601
480553	3764938	0.11746	30.02	0.06624	23.04	53.0572
481553	3764938	0.11778	30.10	0.04735	16.47	46.5688
482553	3764938	0.12621	32.25	0.06455	22.45	54.7055
483553	3764938	0.17877	45.69	0.06256	21.76	67.4457
484553	3764938	0.191	48.81	0.08757	30.46	79.2699
485553	3764938	0.18674	47.72	0.08689	30.22	77.9447
486553	3764938	0.1866	47.69	0.08711	30.30	77.9855
487553	3764938	0.13917	35.57	0.06744	23.46	59.0228
488553	3764938	0.16741	42.78	0.08024	27.91	70.6918
489553	3764938	0.17973	45.93	0.08642	30.06	75.9898
490553	3764938	0.15313	39.13	0.0771	26.82	65.9503
491553	3764938	0.16192	41.38	0.06844	23.80	65.1846
492553	3764938	0.15488	39.58	0.07996	27.81	67.3922
493553	3764938	0.10042	25.66	0.04442	15.45	41.1132
494553	3764938	0.09032	23.08	0.04788	16.65	39.7354
495553	3764938	0.08667	22.15	0.05164	17.96	40.1104
496553	3764938	0.08044	20.56	0.04399	15.30	35.8575
497553	3764938	0.09943	25.41	0.03814	13.27	38.6759
498553	3764938	0.06848	17.50	0.03388	11.78	29.2846
499553	3764938	0.06243	15.95	0.03252	11.31	27.2655
500553	3764938	0.06074	15.52	0.0304	10.57	26.0962
501553	3764938	0.05388	13.77	0.02469	8.59	22.3571

502553	3764938	0.04493	11.48	0.02043	7.11	18.5881
503553	3764938	0.03859	9.86	0.01881	6.54	16.4044
504553	3764938	0.04089	10.45	0.01781	6.19	16.6444
505553	3764938	0.03341	8.54	0.01432	4.98	13.5189
461553	3765938	0.05578	14.26	0.024	8.35	22.6027
462553	3765938	0.06868	17.55	0.02563	8.91	26.4663
463553	3765938	0.0645	16.48	0.02773	9.64	26.1285
464553	3765938	0.07586	19.39	0.0282	9.81	29.1951
465553	3765938	0.0894	22.85	0.03375	11.74	34.5858
466553	3765938	0.08941	22.85	0.03885	13.51	36.3622
467553	3765938	0.09328	23.84	0.04094	14.24	38.0781
468553	3765938	0.07985	20.41	0.04329	15.06	35.4633
469553	3765938	0.08712	22.26	0.03423	11.91	34.1700
470553	3765938	0.07972	20.37	0.03875	13.48	33.8510
471553	3765938	0.07937	20.28	0.03707	12.89	33.1772
472553	3765938	0.0739	18.89	0.03452	12.01	30.8924
473553	3765938	0.07759	19.83	0.03251	11.31	31.1363
474553	3765938	0.09477	24.22	0.04185	14.56	38.7754
475553	3765938	0.11393	29.12	0.04145	14.42	43.5328
476553	3765938	0.13372	34.17	0.0639	22.23	56.3987
477553	3765938	0.08092	20.68	0.04306	14.98	35.6567
478553	3765938	0.10427	26.65	0.03627	12.62	39.2625
479553	3765938	0.14225	36.35	0.06826	23.74	60.0951
480553	3765938	0.08624	22.04	0.04044	14.07	36.1050
481553	3765938	0.1388	35.47	0.05728	19.92	55.3945
482553	3765938	0.11284	28.84	0.04667	16.23	45.0698
483553	3765938	0.13286	33.95	0.06027	20.96	54.9164
484553	3765938	0.16372	41.84	0.06186	21.52	63.3560
485553	3765938	0.17617	45.02	0.0787	27.37	72.3949
486553	3765938	0.17958	45.89	0.08232	28.63	74.5254
487553	3765938	0.14178	36.23	0.06767	23.54	59.7698
488553	3765938	0.15457	39.50	0.06925	24.09	63.5880
489553	3765938	0.13944	35.64	0.06708	23.33	58.9666
490553	3765938	0.16043	41.00	0.07196	25.03	66.0281
491553	3765938	0.12044	30.78	0.06496	22.59	53.3735
492553	3765938	0.10963	28.02	0.0589	20.49	48.5032
493553	3765938	0.14415	36.84	0.05787	20.13	56.9669
494553	3765938	0.08178	20.90	0.04286	14.91	35.8069
495553	3765938	0.08698	22.23	0.04008	13.94	36.1690
496553	3765938	0.07872	20.12	0.04286	14.91	35.0249
497553	3765938	0.0698	17.84	0.03994	13.89	31.7297
498553	3765938	0.06717	17.17	0.03221	11.20	28.3690
499553	3765938	0.05064	12.94	0.02482	8.63	21.5743
500553	3765938	0.05685	14.53	0.02645	9.20	23.7282
501553	3765938	0.0495	12.65	0.0232	8.07	20.7195
502553	3765938	0.0343	8.77	0.01544	5.37	14.1359
503553	3765938	0.02704	6.91	0.01178	4.10	11.0076
504553	3765938	0.02394	6.12	0.01067	3.71	9.8293
505553	3765938	0.0294	7.51	0.01404	4.88	12.3968
461553	3766938	0.06276	16.04	0.02667	9.28	25.3151
462553	3766938	0.06804	17.39	0.02697	9.38	26.7688
463553	3766938	0.08298	21.21	0.03	10.43	31.6408
464553	3766938	0.08345	21.33	0.03667	12.75	34.0808
465553	3766938	0.08975	22.94	0.03597	12.51	35.4474
466553	3766938	0.07757	19.82	0.03893	13.54	33.3641
467553	3766938	0.07565	19.33	0.03228	11.23	30.5605
468553	3766938	0.08746	22.35	0.03789	13.18	35.5299
469553	3766938	0.07546	19.28	0.03384	11.77	31.0546
470553	3766938	0.06806	17.39	0.0337	11.72	29.1147
471553	3766938	0.06499	16.61	0.02722	9.47	26.0763
472553	3766938	0.07444	19.02	0.03009	10.47	29.4896
473553	3766938	0.08633	22.06	0.03711	12.91	34.9698
474553	3766938	0.09771	24.97	0.03536	12.30	37.2695
475553	3766938	0.12251	31.31	0.05474	19.04	50.3479
476553	3766938	0.07834	20.02	0.04301	14.96	34.9800
477553	3766938	0.06917	17.68	0.03165	11.01	28.6854
478553	3766938	0.13045	33.34	0.05212	18.13	51.4658
479553	3766938	0.08524	21.78	0.05004	17.40	39.1885

480553	3766938	0.0912	23.31	0.04001	13.92	37.2231
481553	3766938	0.11984	30.63	0.05811	20.21	50.8377
482553	3766938	0.10595	27.08	0.047	16.35	43.4238
483553	3766938	0.11106	28.38	0.0517	17.98	46.3644
484553	3766938	0.1209	30.90	0.05132	17.85	48.7470
485553	3766938	0.1155	29.52	0.05328	18.53	48.0487
486553	3766938	0.18131	46.34	0.07975	27.74	74.0737
487553	3766938	0.14862	37.98	0.0761	26.47	64.4499
488553	3766938	0.1528	39.05	0.07131	24.80	63.8521
489553	3766938	0.14161	36.19	0.06169	21.46	57.6464
490553	3766938	0.12835	32.80	0.05873	20.43	53.2282
491553	3766938	0.10955	28.00	0.05124	17.82	45.8185
492553	3766938	0.10282	26.28	0.04334	15.07	41.3509
493553	3766938	0.11302	28.88	0.06342	22.06	50.9416
494553	3766938	0.09108	23.28	0.04105	14.28	37.5541
495553	3766938	0.0731	18.68	0.03736	12.99	31.6757
496553	3766938	0.07203	18.41	0.03583	12.46	30.8701
497553	3766938	0.07718	19.72	0.03515	12.23	31.9497
498553	3766938	0.06146	15.71	0.03132	10.89	26.6002
499553	3766938	0.06048	15.46	0.02808	9.77	25.2229
500553	3766938	0.05887	15.04	0.02574	8.95	23.9975
501553	3766938	0.04515	11.54	0.02054	7.14	18.6826
502553	3766938	0.02137	5.46	0.01025	3.57	9.0264
503553	3766938	0.02349	6.00	0.01019	3.54	9.5473
504553	3766938	0.0231	5.90	0.01091	3.79	9.6981
505553	3766938	0.02123	5.43	0.00948	3.30	8.7228
461553	3767938	0.0773	19.75	0.02701	9.39	29.1492
462553	3767938	0.08211	20.98	0.03409	11.86	32.8410
463553	3767938	0.08533	21.81	0.03572	12.42	34.2308
464553	3767938	0.08288	21.18	0.03759	13.07	34.2551
465553	3767938	0.06632	16.95	0.03525	12.26	29.2091
466553	3767938	0.0765	19.55	0.02923	10.17	29.7169
467553	3767938	0.07178	18.34	0.03386	11.78	30.1210
468553	3767938	0.07135	18.23	0.02985	10.38	28.6164
469553	3767938	0.05882	15.03	0.03054	10.62	25.6542
470553	3767938	0.06027	15.40	0.02388	8.31	23.7084
471553	3767938	0.06878	17.58	0.02727	9.48	27.0623
472553	3767938	0.07962	20.35	0.03424	11.91	32.2568
473553	3767938	0.08668	22.15	0.0318	11.06	33.2124
474553	3767938	0.11344	28.99	0.04639	16.13	45.1258
475553	3767938	0.07736	19.77	0.04378	15.23	34.9973
476553	3767938	0.06321	16.15	0.02863	9.96	26.1118
477553	3767938	0.10333	26.41	0.03512	12.22	38.6222
478553	3767938	0.11007	28.13	0.05529	19.23	47.3601
479553	3767938	0.07212	18.43	0.03448	11.99	30.4236
480553	3767938	0.10914	27.89	0.04368	15.19	43.0843
481553	3767938	0.08687	22.20	0.04567	15.88	38.0851
482553	3767938	0.10308	26.34	0.04308	14.98	41.3269
483553	3767938	0.10047	25.68	0.04538	15.78	41.4599
484553	3767938	0.12539	32.04	0.05285	18.38	50.4266
485553	3767938	0.10954	27.99	0.04861	16.91	44.9012
486553	3767938	0.12925	33.03	0.05447	18.95	51.9765
487553	3767938	0.14979	38.28	0.0589	20.49	58.7666
488553	3767938	0.15852	40.51	0.07393	25.71	66.2252
489553	3767938	0.14495	37.04	0.07437	25.87	62.9102
490553	3767938	0.13626	34.82	0.06356	22.11	56.9296
491553	3767938	0.0994	25.40	0.04871	16.94	42.3446
492553	3767938	0.07804	19.94	0.0426	14.82	34.7607
493553	3767938	0.06765	17.29	0.03533	12.29	29.5769
494553	3767938	0.11743	30.01	0.04749	16.52	46.5281
495553	3767938	0.0691	17.66	0.03423	11.91	29.5648
496553	3767938	0.06511	16.64	0.03458	12.03	28.6669
497553	3767938	0.06882	17.59	0.03079	10.71	28.2968
498553	3767938	0.06877	17.57	0.02901	10.09	27.6649
499553	3767938	0.06223	15.90	0.02787	9.69	25.5970
500553	3767938	0.05443	13.91	0.02515	8.75	22.6576
501553	3767938	0.04875	12.46	0.02184	7.60	20.0548
502553	3767938	0.03791	9.69	0.01904	6.62	16.3106

503553	3767938	0.03292	8.41	0.01379	4.80	13.2094
504553	3767938	0.02667	6.82	0.01254	4.36	11.1774
505553	3767938	0.01037	2.65	0.00561	1.95	4.6014
484551.7	3750934	0.61537	157.26	0.27707	96.37	253.6325
484651.7	3750934	0.63583	162.49	0.26346	91.63	254.1276
484751.7	3750934	0.52708	134.70	0.2529	87.96	222.6624
484851.7	3750934	0.50784	129.78	0.26894	93.54	223.3243
484951.7	3750934	0.49244	125.85	0.27601	96.00	221.8476
485051.7	3750934	0.53706	137.25	0.26545	92.33	229.5779
485151.7	3750934	0.50913	130.11	0.22414	77.96	208.0721
485251.7	3750934	0.45728	116.86	0.17469	60.76	177.6220
485351.7	3750934	0.44213	112.99	0.16062	55.87	168.8566
485451.7	3750934	0.41927	107.15	0.16558	57.59	164.7396
484551.7	3751034	0.664	169.69	0.2591	90.12	259.8103
484651.7	3751034	0.67839	173.37	0.26963	93.78	267.1503
484751.7	3751034	0.62707	160.26	0.2754	95.79	256.0417
484851.7	3751034	0.53912	137.78	0.27345	95.11	232.8869
484951.7	3751034	0.58835	150.36	0.30185	104.99	255.3460
485051.7	3751034	0.54602	139.54	0.28835	100.29	239.8326
485151.7	3751034	0.55812	142.63	0.26019	90.50	233.1306
485251.7	3751034	0.50133	128.12	0.2067	71.89	200.0129
485351.7	3751034	0.4699	120.09	0.17377	60.44	180.5272
485451.7	3751034	0.44771	114.42	0.17106	59.50	173.9138
484551.7	3751134	0.71467	182.64	0.25583	88.98	271.6223
484651.7	3751134	0.68067	173.95	0.26604	92.53	266.4843
484751.7	3751134	0.71086	181.67	0.26957	93.76	275.4275
484851.7	3751134	0.63746	162.91	0.28884	100.46	263.3716
484951.7	3751134	0.64927	165.93	0.31256	108.71	274.6398
485051.7	3751134	0.59122	151.09	0.31055	108.01	259.1054
485151.7	3751134	0.59754	152.71	0.2942	102.33	255.0338
485251.7	3751134	0.54762	139.95	0.24072	83.72	223.6753
485351.7	3751134	0.50521	129.11	0.19602	68.18	197.2899
485451.7	3751134	0.47181	120.58	0.1744	60.66	181.2345
484551.7	3751234	0.72056	184.15	0.23198	80.68	264.8323
484651.7	3751234	0.73808	188.62	0.24388	84.82	273.4487
484751.7	3751234	0.70725	180.75	0.283	98.43	279.1760
484851.7	3751234	0.73051	186.69	0.2841	98.81	285.5030
484951.7	3751234	0.72317	184.81	0.3158	109.84	294.6527
485051.7	3751234	0.6725	171.87	0.32934	114.55	286.4127
485151.7	3751234	0.56442	144.24	0.30202	105.05	249.2895
485251.7	3751234	0.52848	135.06	0.2449	85.18	220.2377
485351.7	3751234	0.49841	127.37	0.19736	68.64	196.0181
485451.7	3751234	0.48304	123.45	0.17339	60.31	183.7532
484551.7	3751334	0.69422	177.42	0.23297	81.03	258.4451
484651.7	3751334	0.75134	192.01	0.24631	85.67	277.6826
484751.7	3751334	0.76265	194.90	0.25666	89.27	284.1728
484851.7	3751334	0.7474	191.01	0.29067	101.10	292.1045
484951.7	3751334	0.77182	197.25	0.29487	102.56	299.8061
485051.7	3751334	0.75649	193.33	0.34037	118.38	311.7137
485151.7	3751334	0.63767	162.96	0.32996	114.76	277.7272
485251.7	3751334	0.54373	138.96	0.27217	94.66	233.6198
485351.7	3751334	0.5184	132.48	0.21897	76.16	208.6430
485451.7	3751334	0.49212	125.77	0.17757	61.76	187.5275
484551.7	3751434	0.61714	157.72	0.23815	82.83	240.5481
484651.7	3751434	0.7417	189.55	0.24406	84.89	274.4364
484751.7	3751434	0.79683	203.64	0.26074	90.69	294.3270
484851.7	3751434	0.79104	202.16	0.2689	93.53	295.6854
484951.7	3751434	0.78997	201.89	0.28765	100.05	301.9334
485051.7	3751434	0.78515	200.65	0.33205	115.49	316.1443
485151.7	3751434	0.73791	188.58	0.3535	122.95	311.5321
485251.7	3751434	0.60809	155.40	0.32647	113.55	268.9538
485351.7	3751434	0.57748	147.58	0.26799	93.21	240.7912
485451.7	3751434	0.53391	136.45	0.20998	73.03	209.4799
484551.7	3751534	0.62391	159.45	0.24198	84.16	243.6104
484651.7	3751534	0.6513	166.45	0.25005	86.97	253.4170
484751.7	3751534	0.78234	199.94	0.26098	90.77	290.7074
484851.7	3751534	0.81625	208.60	0.27559	95.85	304.4550
484951.7	3751534	0.8126	207.67	0.28022	97.46	305.1325

485051.7	3751534	0.81872	209.23	0.28901	100.52	309.7538
485151.7	3751534	0.85491	218.48	0.34739	120.83	339.3077
485251.7	3751534	0.79736	203.77	0.37177	129.31	333.0797
485351.7	3751534	0.69824	178.44	0.34173	118.86	297.3003
485451.7	3751534	0.63684	162.75	0.2785	96.86	259.6168
484551.7	3751634	0.70176	179.34	0.26229	91.23	270.5699
484651.7	3751634	0.66335	169.53	0.25337	88.12	257.6513
484751.7	3751634	0.68859	175.98	0.26223	91.21	267.1832
484851.7	3751634	0.73917	188.90	0.27696	96.33	285.2328
484951.7	3751634	0.81613	208.57	0.28974	100.77	309.3458
485051.7	3751634	0.75655	193.35	0.28827	100.26	293.6082
485151.7	3751634	0.85064	217.39	0.31942	111.10	328.4882
485251.7	3751634	0.9113	232.89	0.3682	128.06	360.9567
485351.7	3751634	0.87568	223.79	0.38883	135.24	359.0289
485451.7	3751634	0.83353	213.02	0.36861	128.21	341.2243
484551.7	3751734	0.75404	192.70	0.27532	95.76	288.4626
484651.7	3751734	0.74364	190.05	0.27174	94.51	284.5596
484751.7	3751734	0.70708	180.70	0.26792	93.19	273.8876
484851.7	3751734	0.72956	186.45	0.27569	95.89	282.3351
484951.7	3751734	0.78543	200.73	0.29261	101.77	302.4983
485051.7	3751734	0.81019	207.05	0.30268	105.27	312.3284
485151.7	3751734	0.79343	202.77	0.30803	107.14	309.9060
485251.7	3751734	0.89965	229.92	0.34892	121.36	351.2737
485351.7	3751734	0.96846	247.50	0.38728	134.70	382.2008
485451.7	3751734	0.91487	233.81	0.40599	141.21	375.0128
484551.7	3751834	0.77609	198.34	0.2783	96.80	295.1342
484651.7	3751834	0.7951	203.20	0.28698	99.81	303.0114
484751.7	3751834	0.78894	201.62	0.28128	97.83	299.4546
484851.7	3751834	0.7527	192.36	0.28066	97.62	289.9774
484951.7	3751834	0.77185	197.26	0.28971	100.76	298.0191
485051.7	3751834	0.83556	213.54	0.30985	107.77	321.3058
485151.7	3751834	0.85775	219.21	0.31643	110.06	329.2653
485251.7	3751834	0.91061	232.72	0.34399	119.64	352.3599
485351.7	3751834	0.97604	249.44	0.37646	130.94	380.3747
485451.7	3751834	1.0113	258.45	0.40919	142.32	400.7696
484551.7	3751934	0.7785	198.95	0.27454	95.49	294.4423
484651.7	3751934	0.82065	209.73	0.29454	102.44	312.1704
484751.7	3751934	0.84323	215.50	0.30118	104.75	320.2505
484851.7	3751934	0.83925	214.48	0.29152	101.39	315.8735
484951.7	3751934	0.80225	205.02	0.29402	102.26	307.2872
485051.7	3751934	0.82844	211.72	0.31162	108.38	320.1018
485151.7	3751934	0.89283	228.17	0.32881	114.36	342.5363
485251.7	3751934	0.90925	232.37	0.32936	114.55	346.9239
485351.7	3751934	0.95937	245.18	0.37711	131.16	376.3406
485451.7	3751934	1.04865	267.99	0.39954	138.96	406.9585
484551.7	3752034	0.79935	204.28	0.27981	97.32	301.6037
484651.7	3752034	0.82082	209.77	0.29477	102.52	312.2939
484751.7	3752034	0.86608	221.34	0.31048	107.99	329.3247
484851.7	3752034	0.89406	228.49	0.31518	109.62	338.1100
484951.7	3752034	0.90033	230.09	0.30512	106.12	336.2134
485051.7	3752034	0.86018	219.83	0.31006	107.84	327.6708
485151.7	3752034	0.88984	227.41	0.33243	115.62	343.0312
485251.7	3752034	0.95495	244.05	0.34572	120.24	364.2932
485351.7	3752034	0.96558	246.77	0.37099	129.03	375.7990
485451.7	3752034	1.05302	269.11	0.4093	142.36	411.4699
484551.7	3752134	0.8306	212.27	0.29447	102.42	314.6889
484651.7	3752134	0.85413	218.28	0.29522	102.68	320.9631
484751.7	3752134	0.85843	219.38	0.31246	108.68	328.0583
484851.7	3752134	0.92082	235.33	0.33089	115.09	350.4129
484951.7	3752134	0.95439	243.91	0.33257	115.67	359.5764
485051.7	3752134	0.9617	245.77	0.31924	111.03	356.8083
485151.7	3752134	0.92864	237.32	0.33262	115.69	353.0131
485251.7	3752134	0.96258	246.00	0.35752	124.35	370.3473
485351.7	3752134	1.02635	262.30	0.36445	126.76	389.0548
485451.7	3752134	1.02699	262.46	0.40937	142.38	404.8420
484551.7	3752234	0.83141	212.48	0.3332	115.89	328.3666
484651.7	3752234	0.87635	223.96	0.31446	109.37	333.3336
484751.7	3752234	0.91461	233.74	0.31483	109.50	343.2401

484851.7	3752234	0.91791	234.58	0.33269	115.71	350.2953
484951.7	3752234	0.97353	248.80	0.34912	121.43	370.2241
485051.7	3752234	1.00392	256.56	0.34214	119.00	375.5629
485151.7	3752234	1.03591	264.74	0.34123	118.68	383.4218
485251.7	3752234	1.00163	255.98	0.35774	124.43	380.4035
485351.7	3752234	1.03913	265.56	0.378	131.47	397.0337
485451.7	3752234	1.10466	282.31	0.40271	140.07	422.3750
484551.7	3752334	0.88809	226.96	0.35991	125.18	352.1418
484651.7	3752334	0.87929	224.71	0.35826	124.61	349.3190
484751.7	3752334	0.92428	236.21	0.33813	117.60	353.8153
484851.7	3752334	0.97115	248.19	0.33253	115.66	363.8457
484951.7	3752334	0.99432	254.11	0.35609	123.85	377.9615
485051.7	3752334	1.03418	264.30	0.3706	128.90	393.1949
485151.7	3752334	1.09305	279.34	0.367	127.65	406.9877
485251.7	3752334	1.11696	285.45	0.36234	126.03	411.4774
485351.7	3752334	1.09386	279.55	0.38816	135.01	414.5543
485451.7	3752334	1.13046	288.90	0.39968	139.01	427.9147
484551.7	3752434	0.93332	238.52	0.37414	130.13	368.6502
484651.7	3752434	0.96419	246.41	0.38619	134.32	380.7305
484751.7	3752434	0.96981	247.85	0.38321	133.28	381.1303
484851.7	3752434	0.97753	249.82	0.36352	126.44	376.2548
484951.7	3752434	1.03401	264.25	0.35585	123.77	388.0213
485051.7	3752434	1.06756	272.83	0.37747	131.29	404.1150
485151.7	3752434	1.10431	282.22	0.39643	137.88	420.1013
485251.7	3752434	1.17149	299.39	0.38301	133.21	432.6024
485351.7	3752434	1.21468	310.43	0.39084	135.94	446.3634
485451.7	3752434	1.19605	305.66	0.41806	145.41	451.0697
484551.7	3752534	0.96612	246.90	0.37057	128.89	375.7909
484651.7	3752534	0.98844	252.61	0.39797	138.42	391.0250
484751.7	3752534	1.02215	261.22	0.40574	141.12	402.3425
484851.7	3752534	1.05702	270.13	0.41051	142.78	412.9130
484951.7	3752534	1.05973	270.83	0.38858	135.15	405.9781
485051.7	3752534	1.09551	279.97	0.38086	132.47	412.4370
485151.7	3752534	1.16187	296.93	0.41103	142.96	439.8895
485251.7	3752534	1.18399	302.58	0.41893	145.71	448.2902
485351.7	3752534	1.27099	324.82	0.40545	141.02	465.8356
485451.7	3752534	1.3242	338.41	0.42505	147.84	486.2511
484551.7	3752634	0.96152	245.73	0.40298	140.16	385.8878
484651.7	3752634	1.01658	259.80	0.39222	136.42	396.2166
484751.7	3752634	1.06402	271.92	0.42573	148.07	419.9956
484851.7	3752634	1.0933	279.41	0.43958	152.89	432.2956
484951.7	3752634	1.13705	290.59	0.44026	153.13	443.7129
485051.7	3752634	1.17519	300.33	0.42516	147.87	448.2081
485151.7	3752634	1.17865	301.22	0.41435	144.11	445.3325
485251.7	3752634	1.25144	319.82	0.44316	154.14	473.9553
485351.7	3752634	1.30202	332.75	0.44655	155.31	488.0606
485451.7	3752634	1.38159	353.08	0.43373	150.86	503.9368
484551.7	3752734	0.89476	228.67	0.41765	145.26	373.9289
484651.7	3752734	0.97887	250.16	0.43422	151.03	401.1874
484751.7	3752734	1.05329	269.18	0.42908	149.24	418.4186
484851.7	3752734	1.12061	286.38	0.45075	156.78	443.1600
484951.7	3752734	1.176	300.54	0.47054	163.66	464.1987
485051.7	3752734	1.21912	311.56	0.4771	165.94	477.5002
485151.7	3752734	1.27028	324.63	0.45337	157.69	482.3212
485251.7	3752734	1.31196	335.29	0.44311	154.12	489.4045
485351.7	3752734	1.33756	341.83	0.47458	165.06	506.8924
485451.7	3752734	1.43125	365.77	0.47652	165.74	531.5107
484551.7	3752834	0.80913	206.78	0.41878	145.66	352.4382
484651.7	3752834	0.882	225.41	0.44563	154.99	380.3997
484751.7	3752834	0.98205	250.97	0.46742	162.57	413.5474
484851.7	3752834	1.07636	275.08	0.4713	163.92	438.9989
484951.7	3752834	1.16437	297.57	0.48237	167.77	465.3411
485051.7	3752834	1.24467	318.09	0.50794	176.67	494.7562
485151.7	3752834	1.31669	336.50	0.51418	178.84	515.3321
485251.7	3752834	1.37689	351.88	0.49719	172.93	524.8076
485351.7	3752834	1.44187	368.49	0.48222	167.72	536.2073
485451.7	3752834	1.48918	380.58	0.51362	178.64	559.2191
484551.7	3752934	0.8675	221.70	0.47371	164.76	386.4605

484651.7	3752934	0.88757	226.83	0.46327	161.13	387.9585
484751.7	3752934	0.91012	232.59	0.47619	165.62	398.2151
484851.7	3752934	0.97095	248.14	0.50004	173.92	422.0562
484951.7	3752934	1.08459	277.18	0.51601	179.47	456.6527
485051.7	3752934	1.19187	304.60	0.51552	179.30	483.8989
485151.7	3752934	1.29513	330.99	0.55044	191.45	522.4337
485251.7	3752934	1.3955	356.64	0.55913	194.47	551.1069
485351.7	3752934	1.49065	380.95	0.53748	186.94	567.8935
485451.7	3752934	1.56882	400.93	0.52499	182.60	583.5267
484551.7	3753034	0.89892	229.73	0.50108	174.28	404.0098
484651.7	3753034	0.93853	239.85	0.52217	181.62	421.4679
484751.7	3753034	0.97609	249.45	0.5256	182.81	432.2598
484851.7	3753034	1.01189	258.60	0.50864	176.91	435.5100
484951.7	3753034	1.04515	267.10	0.54047	187.98	455.0808
485051.7	3753034	1.07954	275.89	0.56455	196.36	472.2448
485151.7	3753034	1.20715	308.50	0.56193	195.44	503.9458
485251.7	3753034	1.33048	340.02	0.59701	207.65	547.6653
485351.7	3753034	1.45286	371.30	0.6087	211.71	583.0068
485451.7	3753034	1.58084	404.00	0.59048	205.37	609.3765
484551.7	3753134	0.91294	233.31	0.53247	185.20	418.5105
484651.7	3753134	0.96224	245.91	0.55027	191.39	437.3007
484751.7	3753134	0.97911	250.22	0.5635	195.99	446.2135
484851.7	3753134	1.03386	264.21	0.58202	202.43	466.6470
484951.7	3753134	1.08716	277.84	0.57934	201.50	479.3363
485051.7	3753134	1.14115	291.63	0.58415	203.17	494.8070
485151.7	3753134	1.22526	313.13	0.61933	215.41	528.5382
485251.7	3753134	1.25334	320.31	0.62285	216.63	536.9387
485351.7	3753134	1.36017	347.61	0.64889	225.69	573.2973
485451.7	3753134	1.50086	383.56	0.66603	231.65	615.2137
484551.7	3753234	1.00627	257.16	0.5047	175.54	432.7034
484651.7	3753234	1.03348	264.12	0.55784	194.02	458.1398
484751.7	3753234	1.06901	273.20	0.59823	208.07	481.2680
484851.7	3753234	1.10911	283.45	0.61955	215.49	498.9313
484951.7	3753234	1.14109	291.62	0.63978	222.52	514.1403
485051.7	3753234	1.14861	293.54	0.65437	227.60	521.1367
485151.7	3753234	1.22618	313.36	0.63985	222.55	535.9104
485251.7	3753234	1.27655	326.24	0.67138	233.51	559.7495
485351.7	3753234	1.36623	349.16	0.69658	242.28	591.4330
485451.7	3753234	1.44017	368.05	0.71435	248.46	616.5098
484551.7	3753334	1.0642	271.97	0.45012	156.56	428.5247
484651.7	3753334	1.1035	282.01	0.49465	172.04	454.0562
484751.7	3753334	1.14225	291.92	0.56831	197.66	489.5788
484851.7	3753334	1.18734	303.44	0.63358	220.37	523.8036
484951.7	3753334	1.2355	315.75	0.68167	237.09	552.8376
485051.7	3753334	1.29084	329.89	0.70547	245.37	575.2583
485151.7	3753334	1.34831	344.58	0.73188	254.55	599.1310
485251.7	3753334	1.41338	361.21	0.7383	256.79	617.9934
485351.7	3753334	1.49154	381.18	0.73684	256.28	637.4603
485451.7	3753334	1.5791	403.56	0.77593	269.88	673.4331
484551.7	3753434	1.05229	268.92	0.45186	157.16	426.0861
484651.7	3753434	1.10186	281.59	0.46245	160.84	442.4376
484751.7	3753434	1.14952	293.77	0.50393	175.27	469.0448
484851.7	3753434	1.19808	306.18	0.55734	193.85	500.0314
484951.7	3753434	1.24787	318.91	0.6496	225.94	544.8447
485051.7	3753434	1.30392	333.23	0.73011	253.94	587.1710
485151.7	3753434	1.36743	349.46	0.78678	273.65	623.1121
485251.7	3753434	1.43938	367.85	0.80975	281.64	649.4890
485351.7	3753434	1.51796	387.93	0.84486	293.85	681.7826
485451.7	3753434	1.60951	411.33	0.83792	291.44	702.7655
484551.7	3753534	1.01593	259.63	0.49918	173.62	433.2522
484651.7	3753534	1.05627	269.94	0.51237	178.21	448.1492
484751.7	3753534	1.10154	281.51	0.52437	182.38	463.8922
484851.7	3753534	1.16187	296.93	0.54721	190.32	487.2542
484951.7	3753534	1.22243	312.41	0.56903	197.91	510.3202
485051.7	3753534	1.28815	329.20	0.63931	222.36	551.5597
485151.7	3753534	1.35533	346.37	0.74938	260.64	607.0118
485251.7	3753534	1.43161	365.86	0.84888	295.25	661.1130
485351.7	3753534	1.50874	385.58	0.92266	320.91	706.4859

485451.7	3753534	1.59386	407.33	0.95355	331.65	738.9831
484551.7	3753634	1.04066	265.95	0.50524	175.73	441.6800
484651.7	3753634	1.07283	274.17	0.5439	189.17	463.3477
484751.7	3753634	1.1238	287.20	0.578	201.03	488.2340
484851.7	3753634	1.167	298.24	0.60964	212.04	510.2789
484951.7	3753634	1.21554	310.65	0.63262	220.03	530.6766
485051.7	3753634	1.26963	324.47	0.64761	225.24	549.7136
485151.7	3753634	1.32837	339.48	0.67684	235.41	574.8917
485251.7	3753634	1.39408	356.27	0.74414	258.82	615.0922
485351.7	3753634	1.47175	376.12	0.88262	306.98	683.1064
485451.7	3753634	1.59121	406.65	1.01339	352.47	759.1188
484551.7	3753734	1.03105	263.50	0.4674	162.57	426.0629
484651.7	3753734	1.06755	272.82	0.49095	170.76	443.5818
484751.7	3753734	1.11034	283.76	0.54675	190.16	473.9251
484851.7	3753734	1.15257	294.55	0.60445	210.23	504.7861
484951.7	3753734	1.22107	312.06	0.6623	230.35	542.4128
485051.7	3753734	1.3048	333.46	0.71683	249.32	582.7770
485151.7	3753734	1.37796	352.15	0.7679	267.08	619.2365
485251.7	3753734	1.47433	376.78	0.80792	281.00	657.7843
485351.7	3753734	1.56766	400.63	0.83202	289.38	690.0181
485451.7	3753734	1.66427	425.32	0.88108	306.45	731.7715
484551.7	3753834	1.06013	270.93	0.60143	209.18	480.1116
484651.7	3753834	1.11832	285.80	0.62257	216.54	502.3354
484751.7	3753834	1.17923	301.37	0.64173	223.20	524.5657
484851.7	3753834	1.23007	314.36	0.65815	228.91	543.2694
484951.7	3753834	1.29633	331.29	0.67198	233.72	565.0132
485051.7	3753834	1.35603	346.55	0.68141	237.00	583.5500
485151.7	3753834	1.41615	361.91	0.73955	257.22	619.1360
485251.7	3753834	1.49361	381.71	0.8309	288.99	670.7042
485351.7	3753834	1.59071	406.52	0.91893	319.61	726.1369
485451.7	3753834	1.67783	428.79	1.0075	350.42	779.2069
484551.7	3753934	1.10246	281.75	0.72699	252.85	534.6004
484651.7	3753934	1.15557	295.32	0.73345	255.10	550.4202
484751.7	3753934	1.1964	305.75	0.78817	274.13	579.8869
484851.7	3753934	1.24251	317.54	0.83157	289.23	606.7657
484951.7	3753934	1.28981	329.63	0.88649	308.33	637.9555
485051.7	3753934	1.35617	346.59	0.87107	302.97	649.5513
485151.7	3753934	1.42534	364.26	0.92277	320.95	685.2103
485251.7	3753934	1.48242	378.85	0.97342	338.56	717.4143
485351.7	3753934	1.56275	399.38	1.02448	356.32	755.7027
485451.7	3753934	1.65925	424.04	1.07386	373.50	797.5392
484551.7	3754034	1.1006	281.27	0.70204	244.18	525.4472
484651.7	3754034	1.15153	294.29	0.69546	241.89	536.1744
484751.7	3754034	1.19084	304.33	0.74324	258.51	562.8389
484851.7	3754034	1.23629	315.95	0.78291	272.30	588.2517
484951.7	3754034	1.28395	328.13	0.78519	273.10	601.2248
485051.7	3754034	1.33407	340.94	0.85959	298.97	639.9106
485151.7	3754034	1.40425	358.87	0.94343	328.13	687.0062
485251.7	3754034	1.4388	367.70	1.11716	388.56	756.2608
485351.7	3754034	1.53041	391.11	1.13836	395.93	787.0464
485451.7	3754034	1.61087	411.68	1.2528	435.74	847.4122
484551.7	3754134	1.06036	270.99	0.67623	235.20	506.1865
484651.7	3754134	1.09488	279.81	0.69587	242.03	521.8394
484751.7	3754134	1.1209	286.46	0.74094	257.71	544.1649
484851.7	3754134	1.14929	293.71	0.78367	272.57	566.2822
484951.7	3754134	1.17986	301.53	0.82386	286.55	588.0732
485051.7	3754134	1.21037	309.32	0.80884	281.32	590.6463
485151.7	3754134	1.24176	317.35	0.94613	329.07	646.4191
485251.7	3754134	1.27896	326.85	1.04292	362.74	689.5905
485351.7	3754134	1.37722	351.96	1.03681	360.61	712.5769
485451.7	3754134	1.46364	374.05	1.2063	419.56	793.6127
484551.7	3754234	0.973	248.66	0.71855	249.92	498.5799
484651.7	3754234	0.99751	254.93	0.768	267.12	522.0429
484751.7	3754234	1.03371	264.18	0.80705	280.70	544.8762
484851.7	3754234	1.07019	273.50	0.8533	296.79	570.2853
484951.7	3754234	1.11269	284.36	0.90424	314.50	598.8640
485051.7	3754234	1.15112	294.18	0.96569	335.88	630.0582
485151.7	3754234	1.21059	309.38	1.00314	348.90	658.2819

485251.7	3754234	1.28412	328.17	1.08457	377.22	705.3954
485351.7	3754234	1.40806	359.85	1.16642	405.69	765.5379
485451.7	3754234	1.52636	390.08	1.26901	441.37	831.4527
484551.7	3754334	0.95667	244.49	0.65426	227.56	472.0459
484651.7	3754334	0.98338	251.31	0.69752	242.60	493.9182
484751.7	3754334	1.00171	256.00	0.75081	261.14	517.1374
484851.7	3754334	1.0172	259.96	0.80466	279.87	539.8256
484951.7	3754334	1.03596	264.75	0.85011	295.68	560.4279
485051.7	3754334	1.1356	290.22	0.89971	312.93	603.1434
485151.7	3754334	1.24026	316.96	0.99868	347.35	664.3132
485251.7	3754334	1.32728	339.20	1.13063	393.24	732.4456
485351.7	3754334	1.47075	375.87	1.25944	438.05	813.9123
485451.7	3754334	1.59746	408.25	1.40478	488.60	896.8452
484551.7	3754434	0.89097	227.70	0.71893	250.05	477.7484
484651.7	3754434	0.89118	227.75	0.7864	273.52	501.2687
484751.7	3754434	0.93181	238.13	0.8558	297.66	535.7902
484851.7	3754434	1.01725	259.97	0.92684	322.36	582.3337
484951.7	3754434	1.08997	278.55	1.01184	351.93	630.4820
485051.7	3754434	1.186	303.10	1.08285	376.63	679.7215
485151.7	3754434	1.29521	331.01	1.15683	402.36	733.3623
485251.7	3754434	1.41045	360.46	1.22482	426.00	786.4608
485351.7	3754434	1.53371	391.96	1.28479	446.86	838.8195
485451.7	3754434	1.63711	418.38	1.34308	467.14	885.5183
484551.7	3754534	0.85819	219.32	0.81093	282.05	501.3695
484651.7	3754534	0.91001	232.56	0.85004	295.65	528.2155
484751.7	3754534	0.99046	253.12	0.87488	304.29	557.4151
484851.7	3754534	1.07364	274.38	0.90374	314.33	588.7105
484951.7	3754534	1.16812	298.53	0.92505	321.74	620.2677
485051.7	3754534	1.24644	318.54	0.9327	324.40	642.9441
485151.7	3754534	1.34681	344.19	0.96333	335.06	679.2482
485251.7	3754534	1.44138	368.36	1.05033	365.31	733.6761
485351.7	3754534	1.507	385.13	1.11901	389.20	774.3336
485451.7	3754534	1.52792	390.48	1.18021	410.49	800.9659
484551.7	3754634	0.893	228.22	0.68695	238.93	467.1442
484651.7	3754634	0.96539	246.72	0.68287	237.51	484.2252
484751.7	3754634	1.06462	272.08	0.74663	259.68	531.7610
484851.7	3754634	1.13819	290.88	0.81403	283.13	574.0050
484951.7	3754634	1.19823	306.22	0.86525	300.94	607.1637
485051.7	3754634	1.29292	330.42	0.90744	315.62	646.0369
485151.7	3754634	1.35755	346.94	0.95623	332.59	679.5235
485251.7	3754634	1.37937	352.51	0.97909	340.54	693.0508
485351.7	3754634	1.36189	348.05	0.97901	340.51	688.5557
485451.7	3754634	1.34034	342.54	1.01866	354.30	696.8390
485549.5	3750935	0.41545	106.17	0.16774	58.34	164.5146
485649.5	3750935	0.43652	111.56	0.1623	56.45	168.0072
485749.5	3750935	0.44391	113.45	0.14775	51.39	164.8352
485849.5	3750935	0.42741	109.23	0.1535	53.39	162.6183
485549.5	3751035	0.42987	109.86	0.17264	60.05	169.9041
485649.5	3751035	0.44183	112.91	0.16969	59.02	171.9346
485749.5	3751035	0.4583	117.12	0.15893	55.28	172.4012
485849.5	3751035	0.44937	114.84	0.15672	54.51	169.3504
485549.5	3751135	0.44569	113.90	0.17732	61.67	175.5748
485649.5	3751135	0.44374	113.40	0.17648	61.38	174.7843
485749.5	3751135	0.47117	120.41	0.16972	59.03	179.4432
485849.5	3751135	0.46912	119.89	0.15972	55.55	175.4412
485549.5	3751235	0.4726	120.78	0.18053	62.79	183.5685
485649.5	3751235	0.45623	116.59	0.18216	63.36	179.9518
485749.5	3751235	0.48251	123.31	0.17951	62.44	185.7463
485849.5	3751235	0.4899	125.20	0.16651	57.91	183.1134
485549.5	3751335	0.49524	126.56	0.18181	63.24	189.7996
485649.5	3751335	0.47527	121.46	0.18979	66.01	187.4715
485749.5	3751335	0.49227	125.81	0.18955	65.93	191.7326
485849.5	3751335	0.5147	131.54	0.18791	65.36	196.8944
485549.5	3751435	0.52528	134.24	0.194	67.48	201.7164
485649.5	3751435	0.51296	131.09	0.20473	71.21	202.2999
485749.5	3751435	0.50171	128.22	0.20351	70.78	199.0005
485849.5	3751435	0.54225	138.58	0.2103	73.14	211.7226
485549.5	3751535	0.63718	162.84	0.25384	88.29	251.1267

485649.5	3751535	0.60011	153.37	0.25396	88.33	241.6948
485749.5	3751535	0.54624	139.60	0.24005	83.49	223.0896
485849.5	3751535	0.57142	146.03	0.23265	80.92	226.9509
485549.5	3751635	0.84636	216.30	0.34242	119.10	335.3940
485649.5	3751635	0.77265	197.46	0.32167	111.88	309.3395
485749.5	3751635	0.66965	171.14	0.29919	104.06	275.1979
485849.5	3751635	0.58822	150.33	0.24603	85.57	235.8980
485549.5	3751735	0.99671	254.72	0.39541	137.53	392.2481
485649.5	3751735	1.01374	259.07	0.37704	131.14	390.2111
485749.5	3751735	0.85337	218.09	0.3628	126.19	344.2739
485849.5	3751735	0.62537	159.82	0.27543	95.80	255.6177
485549.5	3751835	1.04419	266.85	0.41587	144.64	411.4984
485649.5	3751835	1.06999	273.45	0.39905	138.79	412.2417
485749.5	3751835	1.02114	260.96	0.40305	140.18	401.1488
485849.5	3751835	0.85135	217.57	0.37234	129.50	347.0757
485549.5	3751935	1.06016	270.94	0.42719	148.58	419.5169
485649.5	3751935	1.16806	298.51	0.41627	144.78	443.2939
485749.5	3751935	1.17709	300.82	0.41924	145.82	446.6347
485849.5	3751935	1.08578	277.48	0.43031	149.67	427.1496
485549.5	3752035	1.12455	287.39	0.41924	145.82	433.2074
485649.5	3752035	1.16683	298.20	0.42364	147.35	445.5429
485749.5	3752035	1.26135	322.35	0.41555	144.53	466.8849
485849.5	3752035	1.20827	308.79	0.45103	156.87	465.6599
485549.5	3752135	1.11784	285.68	0.43464	151.17	436.8489
485649.5	3752135	1.19461	305.30	0.44351	154.26	459.5534
485749.5	3752135	1.30301	333.00	0.43359	150.81	483.8060
485849.5	3752135	1.34684	344.20	0.43971	152.94	497.1359
485549.5	3752235	1.09589	280.07	0.44369	154.32	434.3870
485649.5	3752235	1.21243	309.85	0.45705	158.97	468.8169
485749.5	3752235	1.27971	327.04	0.45988	159.95	486.9954
485849.5	3752235	1.41047	360.46	0.4468	155.40	515.8632
485549.5	3752335	1.19237	304.72	0.44478	154.70	459.4227
485649.5	3752335	1.17042	299.11	0.47223	164.25	463.3605
485749.5	3752335	1.26857	324.20	0.4821	167.68	491.8767
485849.5	3752335	1.45928	372.94	0.47376	164.78	537.7142
485549.5	3752435	1.23433	315.45	0.43614	151.69	467.1410
485649.5	3752435	1.28692	328.89	0.47989	166.91	495.7976
485749.5	3752435	1.30095	332.47	0.49586	172.46	504.9377
485849.5	3752435	1.41575	361.81	0.5014	174.39	536.2030
485549.5	3752535	1.31667	336.49	0.44599	155.12	491.6098
485649.5	3752535	1.35407	346.05	0.48482	168.62	514.6733
485749.5	3752535	1.39848	357.40	0.51156	177.93	535.3232
485849.5	3752535	1.4548	371.79	0.52115	181.26	553.0519
485549.5	3752635	1.45511	371.87	0.46197	160.68	532.5478
485649.5	3752635	1.45789	372.58	0.48435	168.46	541.0422
485749.5	3752635	1.50761	385.29	0.53321	185.46	570.7427
485849.5	3752635	1.53585	392.50	0.54469	189.45	581.9526
485549.5	3752735	1.50678	385.08	0.47199	164.16	549.2377
485649.5	3752735	1.61109	411.73	0.49953	173.74	585.4740
485749.5	3752735	1.6296	416.46	0.5449	189.52	605.9846
485849.5	3752735	1.68756	431.28	0.569	197.90	629.1791
485549.5	3752835	1.5705	401.36	0.51226	178.17	579.5284
485649.5	3752835	1.65468	422.87	0.51485	179.07	601.9424
485749.5	3752835	1.8049	461.26	0.54777	190.52	651.7827
485849.5	3752835	1.84852	472.41	0.59774	207.90	680.3104
485549.5	3752935	1.66169	424.66	0.55424	192.77	617.4341
485649.5	3752935	1.72746	441.47	0.54412	189.25	630.7225
485749.5	3752935	1.8598	475.29	0.56009	194.80	670.0981
485849.5	3752935	2.0368	520.53	0.61733	214.71	735.2411
485549.5	3753035	1.71204	437.53	0.5806	201.94	639.4699
485649.5	3753035	1.83932	470.06	0.60356	209.92	679.9835
485749.5	3753035	1.96639	502.53	0.5824	202.56	705.0980
485849.5	3753035	2.103	537.45	0.63131	219.58	757.0217
485549.5	3753135	1.6435	420.02	0.64456	224.18	644.1996
485649.5	3753135	1.81781	464.56	0.63809	221.93	686.4962
485749.5	3753135	2.00865	513.33	0.64797	225.37	738.7039
485849.5	3753135	2.2149	566.04	0.64588	224.64	790.6866
485549.5	3753235	1.55247	396.75	0.73295	254.93	651.6787

485649.5	3753235	1.71381	437.98	0.71857	249.93		687.9095
485749.5	3753235	1.91859	490.32	0.7062	245.62		735.9410
485849.5	3753235	2.15625	551.05	0.70315	244.56		795.6169
485549.5	3753335	1.65876	423.92	0.78573	273.28		697.1997
485649.5	3753335	1.78104	455.17	0.81297	282.76		737.9241
485749.5	3753335	1.92831	492.80	0.79164	275.34		768.1419
485849.5	3753335	2.11064	539.40	0.78533	273.15		812.5438
485549.5	3753435	1.71501	438.29	0.86805	301.92		740.2067
485649.5	3753435	1.83951	470.11	0.8737	303.88		773.9892
485749.5	3753435	1.99372	509.52	0.90672	315.37		824.8841
485849.5	3753435	2.18639	558.76	0.87458	304.19		862.9445
485619.4	3753970	1.84742	472.13	1.31041	455.77		927.9026
485713	3753962	1.96531	502.26	1.34621	468.22		970.4823
487190.9	3754410	2.26273	578.27	2.57662	896.17		1474.4396
487194.8	3754289	2.45238	626.73	2.94979	1025.96		1652.6989
487268.8	3754091	2.83686	724.99	2.33861	813.39		1538.3831
487483.3	3754102	2.20435	563.35	1.75482	610.34		1173.6902
						max	1798.1779

WLC LST Construction Assessment (CO 8 hour average)

Year: 2013 (Unmitigated Emissions - 15 hour day)

Unit Emission Rate	1.00E-07	g/sec-m2
Actual Emissions (Mass Grading):	2.56E-05	g/sec-m2
Actual Emissions (Non Mass Grading):	3.48E-05	g/sec-m2

X(m)	Y(m)	Mass Grading 8hr Ave w/Unit Emissions (ug/m3)	Mass Grading 8hr Ave w/Actual Emissions (ug/m3)	Non-Mass Grading 8hr Ave w/Unit Emissions (ug/m3)
461553	3741938	0.008	2.0	0.0041
462553	3741938	0.00925	2.4	0.00434
463553	3741938	0.01212	3.1	0.00513
464553	3741938	0.01292	3.3	0.00477
465553	3741938	0.01043	2.7	0.00454
466553	3741938	0.01108	2.8	0.00474
467553	3741938	0.01136	2.9	0.00464
468553	3741938	0.01037	2.7	0.00486
469553	3741938	0.0132	3.4	0.00568
470553	3741938	0.01348	3.4	0.00551
471553	3741938	0.01277	3.3	0.00721
472553	3741938	0.02463	6.3	0.0113
473553	3741938	0.02228	5.7	0.00587
474553	3741938	0.01379	3.5	0.00631
475553	3741938	0.01776	4.5	0.00722
476553	3741938	0.0133	3.4	0.00828
477553	3741938	0.02904	7.4	0.014
478553	3741938	0.03339	8.5	0.01212
479553	3741938	0.02413	6.2	0.00959
480553	3741938	0.02064	5.3	0.00801
481553	3741938	0.02106	5.4	0.0086
482553	3741938	0.02769	7.1	0.01191
483553	3741938	0.02215	5.7	0.00946
484553	3741938	0.0254	6.5	0.01016
485553	3741938	0.03226	8.2	0.01291
486553	3741938	0.02622	6.7	0.0106
487553	3741938	0.02047	5.2	0.00824
488553	3741938	0.02526	6.5	0.01012
489553	3741938	0.02037	5.2	0.00827
490553	3741938	0.02509	6.4	0.00937
491553	3741938	0.03518	9.0	0.01412
492553	3741938	0.02292	5.9	0.0101
493553	3741938	0.01941	5.0	0.00808
494553	3741938	0.02402	6.1	0.01172

495553	3741938	0.02656	6.8	0.01139
496553	3741938	0.01685	4.3	0.00806
497553	3741938	0.01738	4.4	0.00687
498553	3741938	0.01566	4.0	0.00689
499553	3741938	0.02073	5.3	0.00734
500553	3741938	0.02081	5.3	0.00893
501553	3741938	0.01711	4.4	0.00815
502553	3741938	0.01759	4.5	0.0073
503553	3741938	0.01675	4.3	0.00697
504553	3741938	0.01775	4.5	0.00595
505553	3741938	0.01374	3.5	0.00621
461553	3742938	0.00807	2.1	0.00338
462553	3742938	0.0084	2.1	0.00341
463553	3742938	0.00862	2.2	0.0043
464553	3742938	0.00973	2.5	0.00497
465553	3742938	0.01132	2.9	0.00473
466553	3742938	0.01337	3.4	0.00495
467553	3742938	0.01231	3.1	0.00494
468553	3742938	0.0129	3.3	0.00452
469553	3742938	0.01252	3.2	0.0055
470553	3742938	0.01422	3.6	0.00588
471553	3742938	0.0164	4.2	0.0053
472553	3742938	0.01346	3.4	0.0067
473553	3742938	0.02165	5.5	0.00948
474553	3742938	0.02423	6.2	0.00661
475553	3742938	0.01344	3.4	0.00515
476553	3742938	0.01327	3.4	0.00531
477553	3742938	0.0172	4.4	0.01035
478553	3742938	0.03501	8.9	0.01574
479553	3742938	0.03306	8.4	0.01062
480553	3742938	0.02624	6.7	0.00964
481553	3742938	0.02224	5.7	0.00903
482553	3742938	0.02386	6.1	0.01132
483553	3742938	0.02953	7.5	0.01064
484553	3742938	0.02858	7.3	0.01148
485553	3742938	0.03615	9.2	0.01444
486553	3742938	0.02954	7.5	0.01168
487553	3742938	0.023	5.9	0.00907
488553	3742938	0.02796	7.1	0.01124
489553	3742938	0.02426	6.2	0.00935
490553	3742938	0.02917	7.5	0.01149
491553	3742938	0.03503	9.0	0.01374
492553	3742938	0.02872	7.3	0.01392
493553	3742938	0.02718	6.9	0.00973
494553	3742938	0.02201	5.6	0.01453
495553	3742938	0.02036	5.2	0.00959
496553	3742938	0.01904	4.9	0.00735

497553	3742938	0.01747	4.5	0.00753
498553	3742938	0.02293	5.9	0.00823
499553	3742938	0.02155	5.5	0.00963
500553	3742938	0.01874	4.8	0.00837
501553	3742938	0.01776	4.5	0.00793
502553	3742938	0.02054	5.2	0.01015
503553	3742938	0.0179	4.6	0.00591
504553	3742938	0.0122	3.1	0.00665
505553	3742938	0.0111	2.8	0.00445
461553	3743938	0.00752	1.9	0.00333
462553	3743938	0.00812	2.1	0.00351
463553	3743938	0.00868	2.2	0.00366
464553	3743938	0.00914	2.3	0.00372
465553	3743938	0.00928	2.4	0.00448
466553	3743938	0.01079	2.8	0.00506
467553	3743938	0.01261	3.2	0.00501
468553	3743938	0.01251	3.2	0.00542
469553	3743938	0.01338	3.4	0.00502
470553	3743938	0.01254	3.2	0.00535
471553	3743938	0.01227	3.1	0.00598
472553	3743938	0.01527	3.9	0.00587
473553	3743938	0.01483	3.8	0.00634
474553	3743938	0.02059	5.3	0.00957
475553	3743938	0.02055	5.3	0.00754
476553	3743938	0.01527	3.9	0.00577
477553	3743938	0.01504	3.8	0.00593
478553	3743938	0.02326	5.9	0.01327
479553	3743938	0.04152	10.6	0.01658
480553	3743938	0.0306	7.8	0.01227
481553	3743938	0.027	6.9	0.01026
482553	3743938	0.0278	7.1	0.01093
483553	3743938	0.05245	13.4	0.01738
484553	3743938	0.02573	6.6	0.01065
485553	3743938	0.04125	10.5	0.01652
486553	3743938	0.03376	8.6	0.01323
487553	3743938	0.0279	7.1	0.01068
488553	3743938	0.0303	7.7	0.01228
489553	3743938	0.02723	7.0	0.01095
490553	3743938	0.03718	9.5	0.01395
491553	3743938	0.03658	9.3	0.01536
492553	3743938	0.03274	8.4	0.01043
493553	3743938	0.037	9.5	0.0154
494553	3743938	0.02528	6.5	0.01191
495553	3743938	0.02099	5.4	0.00821
496553	3743938	0.0201	5.1	0.00835
497553	3743938	0.02558	6.5	0.00934
498553	3743938	0.02269	5.8	0.01044

499553	3743938	0.02048	5.2	0.00845
500553	3743938	0.01965	5.0	0.00834
501553	3743938	0.03243	8.3	0.0087
502553	3743938	0.01754	4.5	0.00824
503553	3743938	0.01397	3.6	0.00622
504553	3743938	0.01484	3.8	0.0058
505553	3743938	0.01486	3.8	0.00558
461553	3744938	0.0071	1.8	0.003
462553	3744938	0.00717	1.8	0.00338
463553	3744938	0.00801	2.0	0.00364
464553	3744938	0.00878	2.2	0.00386
465553	3744938	0.00957	2.4	0.00407
466553	3744938	0.01032	2.6	0.00421
467553	3744938	0.01306	3.3	0.00531
468553	3744938	0.01142	2.9	0.00579
469553	3744938	0.01669	4.3	0.00683
470553	3744938	0.01825	4.7	0.00607
471553	3744938	0.01683	4.3	0.00558
472553	3744938	0.01466	3.7	0.00647
473553	3744938	0.01776	4.5	0.00656
474553	3744938	0.02103	5.4	0.00685
475553	3744938	0.01759	4.5	0.00904
476553	3744938	0.02281	5.8	0.00863
477553	3744938	0.0179	4.6	0.00655
478553	3744938	0.01737	4.4	0.00677
479553	3744938	0.03185	8.1	0.01695
480553	3744938	0.04742	12.1	0.01666
481553	3744938	0.0359	9.2	0.01319
482553	3744938	0.03009	7.7	0.01226
483553	3744938	0.03851	9.8	0.01651
484553	3744938	0.03583	9.2	0.01452
485553	3744938	0.03348	8.6	0.0142
486553	3744938	0.04037	10.3	0.01573
487553	3744938	0.0339	8.7	0.0129
488553	3744938	0.03156	8.1	0.01302
489553	3744938	0.03489	8.9	0.01244
490553	3744938	0.04548	11.6	0.01706
491553	3744938	0.03159	8.1	0.01501
492553	3744938	0.04354	11.1	0.01641
493553	3744938	0.03262	8.3	0.0151
494553	3744938	0.02367	6.0	0.00965
495553	3744938	0.02361	6.0	0.00931
496553	3744938	0.02887	7.4	0.01079
497553	3744938	0.02374	6.1	0.0114
498553	3744938	0.02196	5.6	0.00926
499553	3744938	0.02542	6.5	0.00857
500553	3744938	0.02866	7.3	0.01085

501553	3744938	0.01662	4.2	0.00889
502553	3744938	0.02301	5.9	0.00773
503553	3744938	0.02265	5.8	0.00979
504553	3744938	0.01256	3.2	0.00747
505553	3744938	0.0175	4.5	0.00542
461553	3745938	0.00783	2.0	0.00311
462553	3745938	0.00758	1.9	0.00328
463553	3745938	0.008	2.0	0.00314
464553	3745938	0.00781	2.0	0.00347
465553	3745938	0.00808	2.1	0.00382
466553	3745938	0.0094	2.4	0.00425
467553	3745938	0.01065	2.7	0.0046
468553	3745938	0.01044	2.7	0.00484
469553	3745938	0.01308	3.3	0.00517
470553	3745938	0.0158	4.0	0.00841
471553	3745938	0.01906	4.9	0.00766
472553	3745938	0.02201	5.6	0.00675
473553	3745938	0.02155	5.5	0.00657
474553	3745938	0.01704	4.4	0.0089
475553	3745938	0.01937	5.0	0.00727
476553	3745938	0.01757	4.5	0.00964
477553	3745938	0.02567	6.6	0.00996
478553	3745938	0.02161	5.5	0.00762
479553	3745938	0.02053	5.2	0.00976
480553	3745938	0.04419	11.3	0.02137
481553	3745938	0.05038	12.9	0.01652
482553	3745938	0.03917	10.0	0.01457
483553	3745938	0.03934	10.1	0.01569
484553	3745938	0.04205	10.7	0.01592
485553	3745938	0.05829	14.9	0.02676
486553	3745938	0.04145	10.6	0.01703
487553	3745938	0.04154	10.6	0.01576
488553	3745938	0.03373	8.6	0.01331
489553	3745938	0.04855	12.4	0.01697
490553	3745938	0.04999	12.8	0.02068
491553	3745938	0.04873	12.5	0.01591
492553	3745938	0.04331	11.1	0.01919
493553	3745938	0.02799	7.2	0.01244
494553	3745938	0.02846	7.3	0.01074
495553	3745938	0.03286	8.4	0.01247
496553	3745938	0.02566	6.6	0.01251
497553	3745938	0.02543	6.5	0.01068
498553	3745938	0.03218	8.2	0.01093
499553	3745938	0.04148	10.6	0.01911
500553	3745938	0.03437	8.8	0.01521
501553	3745938	0.03449	8.8	0.01428
502553	3745938	0.026	6.6	0.01579

503553	3745938	0.02933	7.5	0.00986
504553	3745938	0.01686	4.3	0.00943
505553	3745938	0.01409	3.6	0.00718
461553	3746938	0.00766	2.0	0.00352
462553	3746938	0.00872	2.2	0.00366
463553	3746938	0.00905	2.3	0.00345
464553	3746938	0.00857	2.2	0.00333
465553	3746938	0.00828	2.1	0.00353
466553	3746938	0.00899	2.3	0.00367
467553	3746938	0.00904	2.3	0.00427
468553	3746938	0.01026	2.6	0.00483
469553	3746938	0.01186	3.0	0.00528
470553	3746938	0.01281	3.3	0.00589
471553	3746938	0.01487	3.8	0.00596
472553	3746938	0.01611	4.1	0.00789
473553	3746938	0.02499	6.4	0.011
474553	3746938	0.02814	7.2	0.00938
475553	3746938	0.0198	5.1	0.0086
476553	3746938	0.02244	5.7	0.00894
477553	3746938	0.02257	5.8	0.01012
478553	3746938	0.02905	7.4	0.0119
479553	3746938	0.02686	6.9	0.00909
480553	3746938	0.02518	6.4	0.01463
481553	3746938	0.06221	15.9	0.02645
482553	3746938	0.05295	13.5	0.0198
483553	3746938	0.04469	11.4	0.01813
484553	3746938	0.05739	14.7	0.0208
485553	3746938	0.05562	14.2	0.02277
486553	3746938	0.077	19.7	0.03089
487553	3746938	0.05429	13.9	0.02021
488553	3746938	0.04359	11.1	0.01621
489553	3746938	0.06683	17.1	0.02445
490553	3746938	0.04718	12.1	0.0203
491553	3746938	0.05807	14.8	0.02362
492553	3746938	0.0347	8.9	0.01667
493553	3746938	0.03544	9.1	0.01273
494553	3746938	0.03777	9.7	0.01493
495553	3746938	0.0301	7.7	0.01349
496553	3746938	0.03521	9.0	0.01172
497553	3746938	0.03807	9.7	0.01455
498553	3746938	0.04309	11.0	0.01944
499553	3746938	0.0323	8.3	0.01434
500553	3746938	0.02142	5.5	0.01428
501553	3746938	0.02768	7.1	0.01041
502553	3746938	0.0214	5.5	0.01193
503553	3746938	0.01952	5.0	0.00944
504553	3746938	0.02457	6.3	0.0083

505553	3746938	0.02288	5.8	0.00885
461553	3747938	0.00575	1.5	0.00263
462553	3747938	0.00603	1.5	0.00313
463553	3747938	0.00625	1.6	0.00336
464553	3747938	0.00753	1.9	0.0037
465553	3747938	0.00888	2.3	0.00393
466553	3747938	0.01204	3.1	0.00403
467553	3747938	0.01259	3.2	0.0047
468553	3747938	0.01236	3.2	0.00532
469553	3747938	0.01233	3.2	0.00456
470553	3747938	0.01306	3.3	0.00522
471553	3747938	0.01428	3.6	0.00573
472553	3747938	0.01494	3.8	0.00642
473553	3747938	0.01784	4.6	0.00734
474553	3747938	0.0166	4.2	0.00852
475553	3747938	0.02178	5.6	0.0096
476553	3747938	0.02488	6.4	0.00947
477553	3747938	0.02579	6.6	0.01089
478553	3747938	0.0291	7.4	0.01055
479553	3747938	0.03285	8.4	0.01457
480553	3747938	0.03476	8.9	0.01133
481553	3747938	0.02744	7.0	0.01549
482553	3747938	0.08304	21.2	0.0263
483553	3747938	0.07672	19.6	0.02213
484553	3747938	0.07238	18.5	0.02704
485553	3747938	0.07258	18.5	0.02675
486553	3747938	0.07426	19.0	0.02803
487553	3747938	0.06753	17.3	0.03005
488553	3747938	0.06698	17.1	0.0213
489553	3747938	0.07455	19.1	0.03006
490553	3747938	0.07646	19.5	0.02658
491553	3747938	0.04703	12.0	0.02348
492553	3747938	0.04529	11.6	0.01538
493553	3747938	0.04376	11.2	0.01818
494553	3747938	0.03586	9.2	0.01462
495553	3747938	0.04636	11.8	0.01492
496553	3747938	0.05559	14.2	0.02673
497553	3747938	0.04437	11.3	0.01818
498553	3747938	0.04214	10.8	0.02318
499553	3747938	0.0312	8.0	0.01239
500553	3747938	0.0222	5.7	0.01498
501553	3747938	0.02272	5.8	0.00991
502553	3747938	0.02353	6.0	0.00795
503553	3747938	0.01941	5.0	0.01034
504553	3747938	0.01478	3.8	0.00948
505553	3747938	0.01534	3.9	0.00695
461553	3748938	0.0066	1.7	0.00251

462553	3748938	0.00605	1.5	0.00237
463553	3748938	0.00628	1.6	0.0025
464553	3748938	0.00658	1.7	0.00269
465553	3748938	0.00669	1.7	0.00313
466553	3748938	0.00713	1.8	0.00378
467553	3748938	0.00818	2.1	0.00441
468553	3748938	0.01229	3.1	0.00566
469553	3748938	0.01322	3.4	0.00475
470553	3748938	0.01629	4.2	0.00571
471553	3748938	0.01417	3.6	0.00616
472553	3748938	0.01645	4.2	0.00616
473553	3748938	0.01384	3.5	0.00698
474553	3748938	0.0171	4.4	0.00779
475553	3748938	0.01998	5.1	0.00803
476553	3748938	0.02115	5.4	0.01078
477553	3748938	0.02856	7.3	0.01211
478553	3748938	0.03271	8.4	0.01317
479553	3748938	0.03715	9.5	0.0139
480553	3748938	0.03739	9.6	0.01833
481553	3748938	0.06236	15.9	0.02152
482553	3748938	0.03208	8.2	0.02654
483553	3748938	0.11427	29.2	0.04416
484553	3748938	0.09489	24.3	0.03453
485553	3748938	0.09888	25.3	0.03537
486553	3748938	0.11451	29.3	0.03576
487553	3748938	0.09741	24.9	0.04304
488553	3748938	0.1048	26.8	0.03548
489553	3748938	0.09022	23.1	0.02966
490553	3748938	0.07143	18.3	0.03371
491553	3748938	0.06076	15.5	0.01942
492553	3748938	0.05109	13.1	0.02313
493553	3748938	0.05575	14.2	0.01764
494553	3748938	0.06074	15.5	0.02157
495553	3748938	0.06595	16.9	0.02962
496553	3748938	0.03563	9.1	0.02163
497553	3748938	0.03798	9.7	0.01841
498553	3748938	0.03551	9.1	0.02134
499553	3748938	0.03344	8.5	0.01176
500553	3748938	0.02328	5.9	0.01198
501553	3748938	0.01635	4.2	0.01119
502553	3748938	0.01679	4.3	0.00754
503553	3748938	0.01793	4.6	0.00687
504553	3748938	0.01805	4.6	0.00623
505553	3748938	0.01448	3.7	0.00681
461553	3749938	0.00895	2.3	0.00293
462553	3749938	0.00873	2.2	0.00298
463553	3749938	0.00866	2.2	0.00307

464553	3749938	0.00841	2.1	0.00311
465553	3749938	0.00848	2.2	0.00304
466553	3749938	0.00841	2.1	0.00308
467553	3749938	0.00836	2.1	0.00312
468553	3749938	0.0084	2.1	0.00337
469553	3749938	0.00946	2.4	0.00398
470553	3749938	0.01481	3.8	0.0054
471553	3749938	0.01556	4.0	0.0073
472553	3749938	0.0147	3.8	0.00678
473553	3749938	0.01414	3.6	0.00557
474553	3749938	0.01475	3.8	0.00615
475553	3749938	0.0151	3.9	0.0081
476553	3749938	0.01981	5.1	0.00983
477553	3749938	0.02583	6.6	0.01056
478553	3749938	0.02944	7.5	0.01464
479553	3749938	0.04059	10.4	0.0164
480553	3749938	0.04618	11.8	0.01933
481553	3749938	0.05691	14.5	0.02382
482553	3749938	0.09004	23.0	0.0282
483553	3749938	0.10448	26.7	0.06879
484553	3749938	0.0975	24.9	0.03774
485553	3749938	0.09801	25.0	0.03494
486553	3749938	0.11486	29.4	0.05326
487553	3749938	0.11596	29.6	0.04636
488553	3749938	0.13097	33.5	0.05004
489553	3749938	0.11773	30.1	0.04798
490553	3749938	0.08626	22.0	0.0263
491553	3749938	0.06115	15.6	0.0302
492553	3749938	0.08254	21.1	0.02427
493553	3749938	0.08124	20.8	0.03019
494553	3749938	0.05446	13.9	0.02987
495553	3749938	0.03595	9.2	0.02141
496553	3749938	0.0447	11.4	0.01932
497553	3749938	0.04799	12.3	0.02234
498553	3749938	0.02651	6.8	0.02066
499553	3749938	0.02228	5.7	0.0101
500553	3749938	0.02279	5.8	0.00908
501553	3749938	0.01906	4.9	0.00858
502553	3749938	0.01842	4.7	0.00888
503553	3749938	0.01676	4.3	0.00746
504553	3749938	0.01706	4.4	0.00668
505553	3749938	0.01565	4.0	0.00581
461553	3750938	0.00869	2.2	0.00409
462553	3750938	0.00943	2.4	0.00422
463553	3750938	0.01022	2.6	0.00433
464553	3750938	0.01088	2.8	0.00433
465553	3750938	0.01138	2.9	0.00421

466553	3750938	0.0122	3.1	0.00416
467553	3750938	0.01302	3.3	0.00405
468553	3750938	0.013	3.3	0.00414
469553	3750938	0.0127	3.2	0.00413
470553	3750938	0.01582	4.0	0.00518
471553	3750938	0.01674	4.3	0.00617
472553	3750938	0.01473	3.8	0.00513
473553	3750938	0.01112	2.8	0.00513
474553	3750938	0.01155	3.0	0.00646
475553	3750938	0.01368	3.5	0.0074
476553	3750938	0.01786	4.6	0.00744
477553	3750938	0.02072	5.3	0.00949
478553	3750938	0.02262	5.8	0.01321
479553	3750938	0.03463	8.9	0.01546
480553	3750938	0.04494	11.5	0.02185
481553	3750938	0.06324	16.2	0.02586
482553	3750938	0.08313	21.2	0.02932
483553	3750938	0.09738	24.9	0.02908
484553	3750938	0.21469	54.9	0.08109
485553	3750938	0.10188	26.0	0.0442
486553	3750938	0.12389	31.7	0.04458
487553	3750938	0.1717	43.9	0.05264
488553	3750938	0.20439	52.2	0.05841
489553	3750938	0.13415	34.3	0.04124
490553	3750938	0.11473	29.3	0.04117
491553	3750938	0.12473	31.9	0.04059
492553	3750938	0.08018	20.5	0.04413
493553	3750938	0.08119	20.7	0.02947
494553	3750938	0.07648	19.5	0.02595
495553	3750938	0.04407	11.3	0.0331
496553	3750938	0.03519	9.0	0.0156
497553	3750938	0.03036	7.8	0.0134
498553	3750938	0.02408	6.2	0.01386
499553	3750938	0.02465	6.3	0.01107
500553	3750938	0.02304	5.9	0.00964
501553	3750938	0.02047	5.2	0.00884
502553	3750938	0.01789	4.6	0.00865
503553	3750938	0.01603	4.1	0.00752
504553	3750938	0.01616	4.1	0.00684
505553	3750938	0.01483	3.8	0.00619
461553	3751938	0.00817	2.1	0.00349
462553	3751938	0.00856	2.2	0.00354
463553	3751938	0.00897	2.3	0.00359
464553	3751938	0.00952	2.4	0.00392
465553	3751938	0.01015	2.6	0.0044
466553	3751938	0.01079	2.8	0.00492
467553	3751938	0.01137	2.9	0.00543

468553	3751938	0.01188	3.0	0.0059
469553	3751938	0.01267	3.2	0.00626
470553	3751938	0.01606	4.1	0.00661
471553	3751938	0.02146	5.5	0.0073
472553	3751938	0.01725	4.4	0.00645
473553	3751938	0.01794	4.6	0.00594
474553	3751938	0.01883	4.8	0.006
475553	3751938	0.01931	4.9	0.00597
476553	3751938	0.01907	4.9	0.00637
477553	3751938	0.01896	4.8	0.00805
478553	3751938	0.02016	5.2	0.01076
479553	3751938	0.02599	6.6	0.01202
480553	3751938	0.03401	8.7	0.01814
481553	3751938	0.04578	11.7	0.0255
482553	3751938	0.07756	19.8	0.03795
483553	3751938	0.1259	32.2	0.05049
484553	3751938	0.17772	45.4	0.05668
485553	3751938	0.35002	89.5	0.10403
486553	3751938	0.19181	49.0	0.06384
487553	3751938	0.29516	75.4	0.13093
488553	3751938	0.23973	61.3	0.08832
489553	3751938	0.25004	63.9	0.05876
490553	3751938	0.15393	39.3	0.0762
491553	3751938	0.11053	28.2	0.04555
492553	3751938	0.08188	20.9	0.03857
493553	3751938	0.08031	20.5	0.0378
494553	3751938	0.0586	15.0	0.0307
495553	3751938	0.04702	12.0	0.02479
496553	3751938	0.0351	9.0	0.01528
497553	3751938	0.02652	6.8	0.01506
498553	3751938	0.02384	6.1	0.01302
499553	3751938	0.02185	5.6	0.01071
500553	3751938	0.01948	5.0	0.00893
501553	3751938	0.02071	5.3	0.00894
502553	3751938	0.01969	5.0	0.0082
503553	3751938	0.01969	5.0	0.00742
504553	3751938	0.02107	5.4	0.00658
505553	3751938	0.02084	5.3	0.00612
461553	3752938	0.00733	1.9	0.00303
462553	3752938	0.00765	2.0	0.00315
463553	3752938	0.00804	2.1	0.00339
464553	3752938	0.00844	2.2	0.00364
465553	3752938	0.009	2.3	0.00397
466553	3752938	0.00974	2.5	0.00439
467553	3752938	0.01052	2.7	0.00483
468553	3752938	0.01125	2.9	0.00525
469553	3752938	0.01187	3.0	0.00562

470553	3752938	0.01262	3.2	0.00598
471553	3752938	0.01305	3.3	0.00629
472553	3752938	0.01371	3.5	0.00658
473553	3752938	0.01468	3.8	0.00724
474553	3752938	0.01649	4.2	0.00805
475553	3752938	0.01909	4.9	0.00915
476553	3752938	0.02229	5.7	0.01057
477553	3752938	0.02624	6.7	0.01194
478553	3752938	0.03119	8.0	0.01296
479553	3752938	0.03709	9.5	0.0128
480553	3752938	0.04473	11.4	0.01344
481553	3752938	0.05346	13.7	0.01878
482553	3752938	0.06252	16.0	0.0262
483553	3752938	0.0903	23.1	0.0521
484553	3752938	0.17389	44.4	0.09846
485553	3752938	0.53308	136.2	0.17511
486553	3752938	1.00291	256.3	0.20094
487553	3752938	0.76544	195.6	0.22019
488553	3752938	0.41815	106.9	0.17027
489553	3752938	0.22868	58.4	0.10968
490553	3752938	0.14597	37.3	0.06577
491553	3752938	0.13523	34.6	0.06594
492553	3752938	0.10412	26.6	0.04418
493553	3752938	0.08334	21.3	0.0436
494553	3752938	0.07189	18.4	0.02967
495553	3752938	0.05712	14.6	0.02199
496553	3752938	0.03459	8.8	0.01555
497553	3752938	0.03204	8.2	0.01471
498553	3752938	0.02781	7.1	0.01383
499553	3752938	0.02512	6.4	0.01326
500553	3752938	0.02446	6.3	0.01155
501553	3752938	0.02241	5.7	0.01105
502553	3752938	0.02013	5.1	0.00982
503553	3752938	0.01842	4.7	0.0089
504553	3752938	0.01688	4.3	0.00792
505553	3752938	0.01551	4.0	0.00742
461553	3753938	0.00844	2.2	0.00308
462553	3753938	0.00875	2.2	0.00319
463553	3753938	0.00914	2.3	0.00332
464553	3753938	0.00955	2.4	0.00346
465553	3753938	0.01022	2.6	0.0037
466553	3753938	0.01097	2.8	0.00395
467553	3753938	0.01166	3.0	0.00419
468553	3753938	0.01273	3.3	0.00456
469553	3753938	0.01374	3.5	0.00491
470553	3753938	0.01437	3.7	0.00512
471553	3753938	0.01468	3.8	0.00522

472553	3753938	0.01586	4.1	0.00565
473553	3753938	0.01709	4.4	0.00616
474553	3753938	0.01773	4.5	0.00678
475553	3753938	0.01946	5.0	0.00761
476553	3753938	0.02151	5.5	0.00861
477553	3753938	0.02404	6.1	0.00988
478553	3753938	0.0273	7.0	0.01156
479553	3753938	0.0315	8.1	0.0138
480553	3753938	0.03705	9.5	0.01745
481553	3753938	0.04965	12.7	0.02364
482553	3753938	0.07432	19.0	0.03367
483553	3753938	0.11297	28.9	0.07397
484553	3753938	0.2087	53.3	0.10979
485553	3753938	0.71255	182.1	0.19759
486553	3753938	1.49179	381.2	1.18747
487553	3753938	0.79219	202.5	0.59134
488553	3753938	0.31876	81.5	0.18277
489553	3753938	0.20072	51.3	0.10313
490553	3753938	0.13766	35.2	0.08859
491553	3753938	0.08635	22.1	0.05691
492553	3753938	0.07803	19.9	0.04518
493553	3753938	0.06147	15.7	0.03217
494553	3753938	0.05666	14.5	0.02769
495553	3753938	0.04495	11.5	0.02197
496553	3753938	0.03788	9.7	0.01932
497553	3753938	0.03401	8.7	0.01727
498553	3753938	0.03072	7.9	0.01544
499553	3753938	0.02892	7.4	0.0139
500553	3753938	0.02767	7.1	0.01264
501553	3753938	0.02509	6.4	0.01152
502553	3753938	0.02288	5.8	0.01052
503553	3753938	0.02102	5.4	0.00963
504553	3753938	0.01943	5.0	0.00884
505553	3753938	0.0181	4.6	0.00815
461553	3754938	0.00647	1.7	0.00346
462553	3754938	0.00653	1.7	0.00357
463553	3754938	0.00661	1.7	0.00369
464553	3754938	0.00675	1.7	0.00383
465553	3754938	0.00714	1.8	0.00398
466553	3754938	0.00782	2.0	0.00428
467553	3754938	0.00858	2.2	0.00446
468553	3754938	0.00956	2.4	0.00469
469553	3754938	0.01061	2.7	0.00492
470553	3754938	0.01171	3.0	0.00513
471553	3754938	0.01283	3.3	0.00532
472553	3754938	0.01394	3.6	0.0055
473553	3754938	0.01465	3.7	0.00572

474553	3754938	0.0169	4.3	0.006
475553	3754938	0.0198	5.1	0.00703
476553	3754938	0.02467	6.3	0.00828
477553	3754938	0.02957	7.6	0.00982
478553	3754938	0.03543	9.1	0.01236
479553	3754938	0.04383	11.2	0.01594
480553	3754938	0.0592	15.1	0.02402
481553	3754938	0.0844	21.6	0.03165
482553	3754938	0.08938	22.8	0.04733
483553	3754938	0.13763	35.2	0.07913
484553	3754938	0.19241	49.2	0.13163
485553	3754938	0.24897	63.6	0.18787
486553	3754938	0.2598	66.4	0.26473
487553	3754938	0.25601	65.4	0.22757
488553	3754938	0.1876	47.9	0.17065
489553	3754938	0.13975	35.7	0.07423
490553	3754938	0.07868	20.1	0.05037
491553	3754938	0.05656	14.5	0.03949
492553	3754938	0.04486	11.5	0.02447
493553	3754938	0.04312	11.0	0.02019
494553	3754938	0.03997	10.2	0.02002
495553	3754938	0.03129	8.0	0.0181
496553	3754938	0.02501	6.4	0.01519
497553	3754938	0.02227	5.7	0.01292
498553	3754938	0.02071	5.3	0.01261
499553	3754938	0.01945	5.0	0.01194
500553	3754938	0.021	5.4	0.01106
501553	3754938	0.02061	5.3	0.01009
502553	3754938	0.0188	4.8	0.00913
503553	3754938	0.01668	4.3	0.00821
504553	3754938	0.01461	3.7	0.00737
505553	3754938	0.0138	3.5	0.00684
461553	3755938	0.00726	1.9	0.00264
462553	3755938	0.0076	1.9	0.00284
463553	3755938	0.00791	2.0	0.00304
464553	3755938	0.0082	2.1	0.00326
465553	3755938	0.00849	2.2	0.00351
466553	3755938	0.00893	2.3	0.00386
467553	3755938	0.00937	2.4	0.00414
468553	3755938	0.0104	2.7	0.00448
469553	3755938	0.01166	3.0	0.00456
470553	3755938	0.01492	3.8	0.00513
471553	3755938	0.01777	4.5	0.00568
472553	3755938	0.01858	4.7	0.00625
473553	3755938	0.02038	5.2	0.00725
474553	3755938	0.02245	5.7	0.00925
475553	3755938	0.02337	6.0	0.01154

476553	3755938	0.02882	7.4	0.01206
477553	3755938	0.0385	9.8	0.01264
478553	3755938	0.04514	11.5	0.01602
479553	3755938	0.04065	10.4	0.02588
480553	3755938	0.07481	19.1	0.03017
481553	3755938	0.06781	17.3	0.03699
482553	3755938	0.08253	21.1	0.05328
483553	3755938	0.08222	21.0	0.0552
484553	3755938	0.11752	30.0	0.04879
485553	3755938	0.1217	31.1	0.06809
486553	3755938	0.13826	35.3	0.08015
487553	3755938	0.13636	34.8	0.08771
488553	3755938	0.07205	18.4	0.0529
489553	3755938	0.07007	17.9	0.05296
490553	3755938	0.07702	19.7	0.04129
491553	3755938	0.06022	15.4	0.03165
492553	3755938	0.0512	13.1	0.01937
493553	3755938	0.03978	10.2	0.0222
494553	3755938	0.02828	7.2	0.01606
495553	3755938	0.0307	7.8	0.01694
496553	3755938	0.02721	7.0	0.01558
497553	3755938	0.02414	6.2	0.01459
498553	3755938	0.02261	5.8	0.01113
499553	3755938	0.02137	5.5	0.00876
500553	3755938	0.02085	5.3	0.00815
501553	3755938	0.02029	5.2	0.00768
502553	3755938	0.0153	3.9	0.00716
503553	3755938	0.01387	3.5	0.00667
504553	3755938	0.01318	3.4	0.00634
505553	3755938	0.01224	3.1	0.00606
461553	3756938	0.00717	1.8	0.00305
462553	3756938	0.00817	2.1	0.00309
463553	3756938	0.00936	2.4	0.00311
464553	3756938	0.0106	2.7	0.00334
465553	3756938	0.01182	3.0	0.00361
466553	3756938	0.01298	3.3	0.00431
467553	3756938	0.01367	3.5	0.005
468553	3756938	0.01368	3.5	0.00559
469553	3756938	0.01355	3.5	0.0063
470553	3756938	0.01308	3.3	0.00708
471553	3756938	0.01509	3.9	0.00765
472553	3756938	0.01663	4.2	0.00747
473553	3756938	0.02335	6.0	0.00729
474553	3756938	0.01701	4.3	0.00698
475553	3756938	0.02525	6.5	0.01312
476553	3756938	0.02556	6.5	0.01483
477553	3756938	0.04438	11.3	0.01438

478553	3756938	0.05729	14.6	0.01809
479553	3756938	0.03993	10.2	0.03133
480553	3756938	0.04073	10.4	0.02048
481553	3756938	0.04538	11.6	0.02086
482553	3756938	0.03953	10.1	0.02412
483553	3756938	0.07564	19.3	0.02845
484553	3756938	0.07248	18.5	0.03904
485553	3756938	0.05715	14.6	0.03817
486553	3756938	0.0812	20.8	0.044
487553	3756938	0.07769	19.9	0.0395
488553	3756938	0.06506	16.6	0.03606
489553	3756938	0.05213	13.3	0.03457
490553	3756938	0.04592	11.7	0.03116
491553	3756938	0.04728	12.1	0.02911
492553	3756938	0.04354	11.1	0.02235
493553	3756938	0.03654	9.3	0.025
494553	3756938	0.04701	12.0	0.01924
495553	3756938	0.02829	7.2	0.0111
496553	3756938	0.02636	6.7	0.01152
497553	3756938	0.01849	4.7	0.01341
498553	3756938	0.0194	5.0	0.01054
499553	3756938	0.02052	5.2	0.00917
500553	3756938	0.01839	4.7	0.00914
501553	3756938	0.01498	3.8	0.00876
502553	3756938	0.01702	4.3	0.00824
503553	3756938	0.01602	4.1	0.00791
504553	3756938	0.01579	4.0	0.00675
505553	3756938	0.01489	3.8	0.00528
461553	3757938	0.01062	2.7	0.00404
462553	3757938	0.01079	2.8	0.00442
463553	3757938	0.0107	2.7	0.00478
464553	3757938	0.0104	2.7	0.0051
465553	3757938	0.00945	2.4	0.00516
466553	3757938	0.00916	2.3	0.00508
467553	3757938	0.01007	2.6	0.00487
468553	3757938	0.01152	2.9	0.00453
469553	3757938	0.01289	3.3	0.00492
470553	3757938	0.01443	3.7	0.00583
471553	3757938	0.01513	3.9	0.00677
472553	3757938	0.01757	4.5	0.00774
473553	3757938	0.01118	2.9	0.00604
474553	3757938	0.01482	3.8	0.00669
475553	3757938	0.03971	10.1	0.01144
476553	3757938	0.03737	9.6	0.0183
477553	3757938	0.03101	7.9	0.02238
478553	3757938	0.03218	8.2	0.01501
479553	3757938	0.03217	8.2	0.01427

480553	3757938	0.02574	6.6	0.01535
481553	3757938	0.02301	5.9	0.01461
482553	3757938	0.04996	12.8	0.01765
483553	3757938	0.04511	11.5	0.02466
484553	3757938	0.05007	12.8	0.02821
485553	3757938	0.04155	10.6	0.01985
486553	3757938	0.04765	12.2	0.02506
487553	3757938	0.07168	18.3	0.03259
488553	3757938	0.05956	15.2	0.02496
489553	3757938	0.05033	12.9	0.02468
490553	3757938	0.0381	9.7	0.02466
491553	3757938	0.03959	10.1	0.02174
492553	3757938	0.03779	9.7	0.01714
493553	3757938	0.03985	10.2	0.01975
494553	3757938	0.03289	8.4	0.01494
495553	3757938	0.02521	6.4	0.01873
496553	3757938	0.03162	8.1	0.01184
497553	3757938	0.02638	6.7	0.01245
498553	3757938	0.02135	5.5	0.00799
499553	3757938	0.01892	4.8	0.00793
500553	3757938	0.0133	3.4	0.00803
501553	3757938	0.01514	3.9	0.0089
502553	3757938	0.01572	4.0	0.00731
503553	3757938	0.0176	4.5	0.00534
504553	3757938	0.01473	3.8	0.00603
505553	3757938	0.01169	3.0	0.00597
461553	3758938	0.00702	1.8	0.00407
462553	3758938	0.00754	1.9	0.00385
463553	3758938	0.00848	2.2	0.00353
464553	3758938	0.00932	2.4	0.00349
465553	3758938	0.01005	2.6	0.00387
466553	3758938	0.01058	2.7	0.00432
467553	3758938	0.01093	2.8	0.00475
468553	3758938	0.0116	3.0	0.00507
469553	3758938	0.01172	3.0	0.00532
470553	3758938	0.01192	3.0	0.00571
471553	3758938	0.01632	4.2	0.0058
472553	3758938	0.01742	4.5	0.00562
473553	3758938	0.01824	4.7	0.00668
474553	3758938	0.0187	4.8	0.01546
475553	3758938	0.02238	5.7	0.01424
476553	3758938	0.02668	6.8	0.01155
477553	3758938	0.02915	7.4	0.01386
478553	3758938	0.02926	7.5	0.01515
479553	3758938	0.01981	5.1	0.00982
480553	3758938	0.01933	4.9	0.01028
481553	3758938	0.03627	9.3	0.01389

482553	3758938	0.03654	9.3	0.01704
483553	3758938	0.03534	9.0	0.01496
484553	3758938	0.03991	10.2	0.02146
485553	3758938	0.03438	8.8	0.01743
486553	3758938	0.03468	8.9	0.0174
487553	3758938	0.0646	16.5	0.03481
488553	3758938	0.03512	9.0	0.02354
489553	3758938	0.04523	11.6	0.01756
490553	3758938	0.04548	11.6	0.01961
491553	3758938	0.03298	8.4	0.0189
492553	3758938	0.03839	9.8	0.01503
493553	3758938	0.03103	7.9	0.01783
494553	3758938	0.02881	7.4	0.01796
495553	3758938	0.0327	8.4	0.01253
496553	3758938	0.02343	6.0	0.01148
497553	3758938	0.01911	4.9	0.01335
498553	3758938	0.02106	5.4	0.01181
499553	3758938	0.02263	5.8	0.00829
500553	3758938	0.0147	3.8	0.0087
501553	3758938	0.01657	4.2	0.00572
502553	3758938	0.01538	3.9	0.00577
503553	3758938	0.01167	3.0	0.00648
504553	3758938	0.00992	2.5	0.00623
505553	3758938	0.00971	2.5	0.00646
461553	3759938	0.00841	2.1	0.00331
462553	3759938	0.00872	2.2	0.00359
463553	3759938	0.00938	2.4	0.00404
464553	3759938	0.00937	2.4	0.00407
465553	3759938	0.00976	2.5	0.0042
466553	3759938	0.00962	2.5	0.00442
467553	3759938	0.0094	2.4	0.00455
468553	3759938	0.01239	3.2	0.00442
469553	3759938	0.01528	3.9	0.00507
470553	3759938	0.01727	4.4	0.00664
471553	3759938	0.01713	4.4	0.00794
472553	3759938	0.01353	3.5	0.01011
473553	3759938	0.01012	2.6	0.00511
474553	3759938	0.01981	5.1	0.00877
475553	3759938	0.02229	5.7	0.01119
476553	3759938	0.02581	6.6	0.01189
477553	3759938	0.01603	4.1	0.00978
478553	3759938	0.02489	6.4	0.01305
479553	3759938	0.01644	4.2	0.00855
480553	3759938	0.02755	7.0	0.01125
481553	3759938	0.02665	6.8	0.01348
482553	3759938	0.0208	5.3	0.0132
483553	3759938	0.02589	6.6	0.01133

484553	3759938	0.03064	7.8	0.01599
485553	3759938	0.03909	10.0	0.01877
486553	3759938	0.04773	12.2	0.02425
487553	3759938	0.05192	13.3	0.03236
488553	3759938	0.05083	13.0	0.02411
489553	3759938	0.05025	12.8	0.02157
490553	3759938	0.0311	7.9	0.01945
491553	3759938	0.02615	6.7	0.01511
492553	3759938	0.02751	7.0	0.01422
493553	3759938	0.0316	8.1	0.0102
494553	3759938	0.01994	5.1	0.01266
495553	3759938	0.02584	6.6	0.00935
496553	3759938	0.01901	4.9	0.01382
497553	3759938	0.02538	6.5	0.00913
498553	3759938	0.01752	4.5	0.00855
499553	3759938	0.01488	3.8	0.00791
500553	3759938	0.01534	3.9	0.00991
501553	3759938	0.01913	4.9	0.00649
502553	3759938	0.01574	4.0	0.00672
503553	3759938	0.01196	3.1	0.00652
504553	3759938	0.01395	3.6	0.00433
505553	3759938	0.01144	2.9	0.00353
461553	3760938	0.0083	2.1	0.00355
462553	3760938	0.00847	2.2	0.00362
463553	3760938	0.0082	2.1	0.00381
464553	3760938	0.008	2.0	0.00391
465553	3760938	0.01018	2.6	0.0037
466553	3760938	0.01232	3.1	0.00408
467553	3760938	0.01395	3.6	0.00518
468553	3760938	0.01456	3.7	0.00615
469553	3760938	0.01388	3.5	0.00676
470553	3760938	0.01366	3.5	0.00697
471553	3760938	0.01681	4.3	0.00644
472553	3760938	0.01592	4.1	0.007
473553	3760938	0.01584	4.0	0.00805
474553	3760938	0.01962	5.0	0.00909
475553	3760938	0.01934	4.9	0.01006
476553	3760938	0.01508	3.9	0.00672
477553	3760938	0.01354	3.5	0.00685
478553	3760938	0.01971	5.0	0.00937
479553	3760938	0.02431	6.2	0.01122
480553	3760938	0.02284	5.8	0.01059
481553	3760938	0.01949	5.0	0.01227
482553	3760938	0.0275	7.0	0.01532
483553	3760938	0.03164	8.1	0.01414
484553	3760938	0.03263	8.3	0.01589
485553	3760938	0.03978	10.2	0.0183

486553	3760938	0.04465	11.4	0.01913
487553	3760938	0.03793	9.7	0.02051
488553	3760938	0.03706	9.5	0.0177
489553	3760938	0.0335	8.6	0.01736
490553	3760938	0.03309	8.5	0.01482
491553	3760938	0.02576	6.6	0.01553
492553	3760938	0.02034	5.2	0.00928
493553	3760938	0.02308	5.9	0.01133
494553	3760938	0.02728	7.0	0.00809
495553	3760938	0.01399	3.6	0.01068
496553	3760938	0.02097	5.4	0.01114
497553	3760938	0.01825	4.7	0.00919
498553	3760938	0.01912	4.9	0.0105
499553	3760938	0.01734	4.4	0.00683
500553	3760938	0.01337	3.4	0.00644
501553	3760938	0.01148	2.9	0.00654
502553	3760938	0.01475	3.8	0.00751
503553	3760938	0.01461	3.7	0.00625
504553	3760938	0.01428	3.6	0.00409
505553	3760938	0.00744	1.9	0.00513
461553	3761938	0.00695	1.8	0.00343
462553	3761938	0.00874	2.2	0.00323
463553	3761938	0.01048	2.7	0.00347
464553	3761938	0.01189	3.0	0.00433
465553	3761938	0.01268	3.2	0.00511
466553	3761938	0.01247	3.2	0.00563
467553	3761938	0.01125	2.9	0.00575
468553	3761938	0.01121	2.9	0.00536
469553	3761938	0.01317	3.4	0.00506
470553	3761938	0.01529	3.9	0.00641
471553	3761938	0.01514	3.9	0.00729
472553	3761938	0.01746	4.5	0.00765
473553	3761938	0.01766	4.5	0.00777
474553	3761938	0.01758	4.5	0.00921
475553	3761938	0.01309	3.3	0.00688
476553	3761938	0.01386	3.5	0.00842
477553	3761938	0.01872	4.8	0.0083
478553	3761938	0.0301	7.7	0.01354
479553	3761938	0.02636	6.7	0.01064
480553	3761938	0.01996	5.1	0.00956
481553	3761938	0.03105	7.9	0.01154
482553	3761938	0.02403	6.1	0.01242
483553	3761938	0.03147	8.0	0.01831
484553	3761938	0.0258	6.6	0.01208
485553	3761938	0.0375	9.6	0.01605
486553	3761938	0.03397	8.7	0.0164
487553	3761938	0.02457	6.3	0.01328

488553	3761938	0.04277	10.9	0.01701
489553	3761938	0.02419	6.2	0.01216
490553	3761938	0.02103	5.4	0.01137
491553	3761938	0.02191	5.6	0.0081
492553	3761938	0.02734	7.0	0.01021
493553	3761938	0.01835	4.7	0.00742
494553	3761938	0.01866	4.8	0.00971
495553	3761938	0.02354	6.0	0.00735
496553	3761938	0.01223	3.1	0.00773
497553	3761938	0.01778	4.5	0.00985
498553	3761938	0.0189	4.8	0.0073
499553	3761938	0.01339	3.4	0.00758
500553	3761938	0.00941	2.4	0.00493
501553	3761938	0.01182	3.0	0.00504
502553	3761938	0.00973	2.5	0.00472
503553	3761938	0.00955	2.4	0.00564
504553	3761938	0.01223	3.1	0.00549
505553	3761938	0.00862	2.2	0.00374
461553	3762938	0.01071	2.7	0.00385
462553	3762938	0.01157	3.0	0.00452
463553	3762938	0.01169	3.0	0.00501
464553	3762938	0.01091	2.8	0.00517
465553	3762938	0.0095	2.4	0.00502
466553	3762938	0.00999	2.6	0.00447
467553	3762938	0.01142	2.9	0.00444
468553	3762938	0.01232	3.1	0.00516
469553	3762938	0.01222	3.1	0.00565
470553	3762938	0.01389	3.5	0.00558
471553	3762938	0.0151	3.9	0.00643
472553	3762938	0.01408	3.6	0.00699
473553	3762938	0.01424	3.6	0.00624
474553	3762938	0.01481	3.8	0.00721
475553	3762938	0.01692	4.3	0.00894
476553	3762938	0.01686	4.3	0.00595
477553	3762938	0.02716	6.9	0.00936
478553	3762938	0.02629	6.7	0.01335
479553	3762938	0.01962	5.0	0.00989
480553	3762938	0.0173	4.4	0.00857
481553	3762938	0.02072	5.3	0.01126
482553	3762938	0.03271	8.4	0.01237
483553	3762938	0.02301	5.9	0.00943
484553	3762938	0.02065	5.3	0.00987
485553	3762938	0.0329	8.4	0.01542
486553	3762938	0.03111	8.0	0.01476
487553	3762938	0.02329	6.0	0.01094
488553	3762938	0.05733	14.7	0.02601
489553	3762938	0.03009	7.7	0.014

490553	3762938	0.03293	8.4	0.01494
491553	3762938	0.02557	6.5	0.01251
492553	3762938	0.01448	3.7	0.00908
493553	3762938	0.0214	5.5	0.00717
494553	3762938	0.0154	3.9	0.00626
495553	3762938	0.01616	4.1	0.00836
496553	3762938	0.02039	5.2	0.00768
497553	3762938	0.01066	2.7	0.00529
498553	3762938	0.01318	3.4	0.00784
499553	3762938	0.01459	3.7	0.00754
500553	3762938	0.01245	3.2	0.00518
501553	3762938	0.00929	2.4	0.00486
502553	3762938	0.0099	2.5	0.00495
503553	3762938	0.00966	2.5	0.00362
504553	3762938	0.007	1.8	0.00363
505553	3762938	0.00691	1.8	0.00438
461553	3763938	0.01087	2.8	0.00488
462553	3763938	0.01074	2.7	0.00526
463553	3763938	0.00836	2.1	0.00452
464553	3763938	0.0093	2.4	0.00389
465553	3763938	0.01031	2.6	0.00404
466553	3763938	0.01096	2.8	0.00459
467553	3763938	0.01075	2.7	0.00492
468553	3763938	0.01198	3.1	0.00489
469553	3763938	0.01268	3.2	0.00545
470553	3763938	0.01384	3.5	0.00576
471553	3763938	0.0113	2.9	0.00616
472553	3763938	0.01353	3.5	0.00574
473553	3763938	0.01419	3.6	0.00637
474553	3763938	0.01002	2.6	0.0057
475553	3763938	0.01468	3.8	0.00523
476553	3763938	0.02209	5.6	0.00818
477553	3763938	0.0214	5.5	0.01068
478553	3763938	0.0176	4.5	0.00974
479553	3763938	0.01854	4.7	0.01048
480553	3763938	0.02227	5.7	0.00948
481553	3763938	0.01839	4.7	0.00725
482553	3763938	0.02102	5.4	0.00992
483553	3763938	0.01742	4.5	0.00802
484553	3763938	0.02654	6.8	0.0114
485553	3763938	0.02495	6.4	0.0122
486553	3763938	0.0227	5.8	0.01072
487553	3763938	0.01687	4.3	0.00789
488553	3763938	0.0388	9.9	0.01964
489553	3763938	0.02396	6.1	0.01167
490553	3763938	0.02335	6.0	0.01359
491553	3763938	0.01663	4.2	0.00925

492553	3763938	0.02097	5.4	0.00853
493553	3763938	0.01552	4.0	0.01007
494553	3763938	0.01368	3.5	0.00667
495553	3763938	0.01227	3.1	0.00604
496553	3763938	0.0142	3.6	0.00785
497553	3763938	0.01766	4.5	0.00769
498553	3763938	0.00935	2.4	0.0046
499553	3763938	0.0089	2.3	0.00685
500553	3763938	0.01343	3.4	0.00745
501553	3763938	0.01497	3.8	0.00523
502553	3763938	0.00989	2.5	0.00299
503553	3763938	0.00669	1.7	0.00335
504553	3763938	0.00711	1.8	0.00354
505553	3763938	0.00514	1.3	0.00233
461553	3764938	0.00782	2.0	0.0041
462553	3764938	0.00926	2.4	0.00362
463553	3764938	0.01018	2.6	0.00401
464553	3764938	0.01034	2.6	0.00432
465553	3764938	0.01003	2.6	0.00454
466553	3764938	0.01049	2.7	0.00443
467553	3764938	0.01176	3.0	0.0047
468553	3764938	0.01263	3.2	0.00528
469553	3764938	0.01132	2.9	0.0056
470553	3764938	0.01134	2.9	0.00481
471553	3764938	0.01141	2.9	0.00531
472553	3764938	0.01307	3.3	0.00599
473553	3764938	0.00943	2.4	0.00506
474553	3764938	0.01293	3.3	0.00466
475553	3764938	0.01735	4.4	0.00712
476553	3764938	0.02003	5.1	0.0085
477553	3764938	0.01882	4.8	0.00989
478553	3764938	0.01807	4.6	0.00642
479553	3764938	0.01859	4.8	0.00645
480553	3764938	0.01468	3.8	0.00828
481553	3764938	0.01838	4.7	0.00777
482553	3764938	0.01591	4.1	0.00807
483553	3764938	0.02235	5.7	0.00782
484553	3764938	0.02387	6.1	0.01095
485553	3764938	0.02334	6.0	0.01086
486553	3764938	0.02338	6.0	0.01093
487553	3764938	0.0174	4.4	0.00843
488553	3764938	0.02794	7.1	0.01529
489553	3764938	0.02247	5.7	0.0108
490553	3764938	0.01916	4.9	0.00966
491553	3764938	0.02444	6.2	0.0097
492553	3764938	0.01944	5.0	0.01
493553	3764938	0.01328	3.4	0.00555

494553	3764938	0.01787	4.6	0.00827
495553	3764938	0.01083	2.8	0.00645
496553	3764938	0.01005	2.6	0.0055
497553	3764938	0.01243	3.2	0.00689
498553	3764938	0.01518	3.9	0.00741
499553	3764938	0.0094	2.4	0.00407
500553	3764938	0.00759	1.9	0.00511
501553	3764938	0.01029	2.6	0.00459
502553	3764938	0.00617	1.6	0.00288
503553	3764938	0.00634	1.6	0.00307
504553	3764938	0.00596	1.5	0.00264
505553	3764938	0.00486	1.2	0.00181
461553	3765938	0.00927	2.4	0.00367
462553	3765938	0.01044	2.7	0.00434
463553	3765938	0.00951	2.4	0.00426
464553	3765938	0.00948	2.4	0.00419
465553	3765938	0.01117	2.9	0.00422
466553	3765938	0.01118	2.9	0.00486
467553	3765938	0.01166	3.0	0.00512
468553	3765938	0.00998	2.6	0.00541
469553	3765938	0.01089	2.8	0.00428
470553	3765938	0.01013	2.6	0.00484
471553	3765938	0.00995	2.5	0.00469
472553	3765938	0.00924	2.4	0.00432
473553	3765938	0.01148	2.9	0.0042
474553	3765938	0.01495	3.8	0.00611
475553	3765938	0.01612	4.1	0.00737
476553	3765938	0.01671	4.3	0.00799
477553	3765938	0.01238	3.2	0.00549
478553	3765938	0.01303	3.3	0.00549
479553	3765938	0.01778	4.5	0.00853
480553	3765938	0.01385	3.5	0.00544
481553	3765938	0.0175	4.5	0.00792
482553	3765938	0.0141	3.6	0.00583
483553	3765938	0.01661	4.2	0.00753
484553	3765938	0.02046	5.2	0.00773
485553	3765938	0.02202	5.6	0.00984
486553	3765938	0.02253	5.8	0.01037
487553	3765938	0.01772	4.5	0.00846
488553	3765938	0.01932	4.9	0.0104
489553	3765938	0.02333	6.0	0.00874
490553	3765938	0.02005	5.1	0.009
491553	3765938	0.01972	5.0	0.01073
492553	3765938	0.0137	3.5	0.00736
493553	3765938	0.01802	4.6	0.00755
494553	3765938	0.01022	2.6	0.00568
495553	3765938	0.01642	4.2	0.00588

496553	3765938	0.00984	2.5	0.00536
497553	3765938	0.00872	2.2	0.00499
498553	3765938	0.0084	2.1	0.00599
499553	3765938	0.01066	2.7	0.00579
500553	3765938	0.00897	2.3	0.00331
501553	3765938	0.00619	1.6	0.00297
502553	3765938	0.00429	1.1	0.00193
503553	3765938	0.00338	0.9	0.00155
504553	3765938	0.00326	0.8	0.00152
505553	3765938	0.00478	1.2	0.00175
461553	3766938	0.00913	2.3	0.00406
462553	3766938	0.00851	2.2	0.00395
463553	3766938	0.01037	2.7	0.00375
464553	3766938	0.01043	2.7	0.00458
465553	3766938	0.01122	2.9	0.0045
466553	3766938	0.0097	2.5	0.00487
467553	3766938	0.00946	2.4	0.00404
468553	3766938	0.01093	2.8	0.00474
469553	3766938	0.00951	2.4	0.00423
470553	3766938	0.00852	2.2	0.00424
471553	3766938	0.00812	2.1	0.0034
472553	3766938	0.01053	2.7	0.00388
473553	3766938	0.01286	3.3	0.00521
474553	3766938	0.01393	3.6	0.00625
475553	3766938	0.01531	3.9	0.00684
476553	3766938	0.01046	2.7	0.00538
477553	3766938	0.01021	2.6	0.00474
478553	3766938	0.01631	4.2	0.00652
479553	3766938	0.01066	2.7	0.00625
480553	3766938	0.01493	3.8	0.00628
481553	3766938	0.01498	3.8	0.00726
482553	3766938	0.01324	3.4	0.00588
483553	3766938	0.01388	3.5	0.00646
484553	3766938	0.01511	3.9	0.00641
485553	3766938	0.01444	3.7	0.00666
486553	3766938	0.02284	5.8	0.01018
487553	3766938	0.01858	4.7	0.00951
488553	3766938	0.0191	4.9	0.00891
489553	3766938	0.03008	7.7	0.01256
490553	3766938	0.01604	4.1	0.00734
491553	3766938	0.01372	3.5	0.00644
492553	3766938	0.01512	3.9	0.00542
493553	3766938	0.01416	3.6	0.00793
494553	3766938	0.01205	3.1	0.00513
495553	3766938	0.01006	2.6	0.00698
496553	3766938	0.01279	3.3	0.00448
497553	3766938	0.00965	2.5	0.00439

498553	3766938	0.00769	2.0	0.00392
499553	3766938	0.00756	1.9	0.00519
500553	3766938	0.01184	3.0	0.00607
501553	3766938	0.00844	2.2	0.00273
502553	3766938	0.00284	0.7	0.00128
503553	3766938	0.00294	0.8	0.00127
504553	3766938	0.00289	0.7	0.00136
505553	3766938	0.00265	0.7	0.0013
461553	3767938	0.00966	2.5	0.0035
462553	3767938	0.01026	2.6	0.00426
463553	3767938	0.01067	2.7	0.00447
464553	3767938	0.01036	2.6	0.0047
465553	3767938	0.00829	2.1	0.00441
466553	3767938	0.00956	2.4	0.00365
467553	3767938	0.00897	2.3	0.00423
468553	3767938	0.00896	2.3	0.00379
469553	3767938	0.00736	1.9	0.00383
470553	3767938	0.00753	1.9	0.00298
471553	3767938	0.00942	2.4	0.00351
472553	3767938	0.01151	2.9	0.00467
473553	3767938	0.01214	3.1	0.00534
474553	3767938	0.01418	3.6	0.0058
475553	3767938	0.00967	2.5	0.00547
476553	3767938	0.00927	2.4	0.00419
477553	3767938	0.01292	3.3	0.00439
478553	3767938	0.01376	3.5	0.00691
479553	3767938	0.01138	2.9	0.0045
480553	3767938	0.01401	3.6	0.00621
481553	3767938	0.01086	2.8	0.00571
482553	3767938	0.01289	3.3	0.00539
483553	3767938	0.01268	3.2	0.00567
484553	3767938	0.01567	4.0	0.00661
485553	3767938	0.01369	3.5	0.00608
486553	3767938	0.01752	4.5	0.00788
487553	3767938	0.01872	4.8	0.00736
488553	3767938	0.01982	5.1	0.00924
489553	3767938	0.03467	8.9	0.01693
490553	3767938	0.01703	4.4	0.00795
491553	3767938	0.01243	3.2	0.00609
492553	3767938	0.01531	3.9	0.00739
493553	3767938	0.00846	2.2	0.00442
494553	3767938	0.01468	3.8	0.00594
495553	3767938	0.00864	2.2	0.00428
496553	3767938	0.01228	3.1	0.00665
497553	3767938	0.00897	2.3	0.00385
498553	3767938	0.0086	2.2	0.00363
499553	3767938	0.00778	2.0	0.00348

500553	3767938	0.0068	1.7	0.00461
501553	3767938	0.00996	2.5	0.00511
502553	3767938	0.00474	1.2	0.00241
503553	3767938	0.00411	1.1	0.00172
504553	3767938	0.00333	0.9	0.00157
505553	3767938	0.00198	0.5	0.00072
484551.7	3750934	0.21381	54.6	0.08081
484651.7	3750934	0.23185	59.3	0.08008
484751.7	3750934	0.18095	46.2	0.05681
484851.7	3750934	0.15509	39.6	0.04798
484951.7	3750934	0.13495	34.5	0.04253
485051.7	3750934	0.13058	33.4	0.04157
485151.7	3750934	0.12281	31.4	0.03989
485251.7	3750934	0.11782	30.1	0.0362
485351.7	3750934	0.1166	29.8	0.03724
485451.7	3750934	0.10917	27.9	0.04014
484551.7	3751034	0.21279	54.4	0.08368
484651.7	3751034	0.24027	61.4	0.07965
484751.7	3751034	0.23024	58.8	0.08004
484851.7	3751034	0.17902	45.8	0.05565
484951.7	3751034	0.17561	44.9	0.05574
485051.7	3751034	0.13807	35.3	0.0462
485151.7	3751034	0.13297	34.0	0.04216
485251.7	3751034	0.12213	31.2	0.03956
485351.7	3751034	0.12277	31.4	0.03804
485451.7	3751034	0.11812	30.2	0.04032
484551.7	3751134	0.1925	49.2	0.08842
484651.7	3751134	0.22954	58.7	0.08354
484751.7	3751134	0.25559	65.3	0.08215
484851.7	3751134	0.23219	59.3	0.08006
484951.7	3751134	0.212	54.2	0.0705
485051.7	3751134	0.17112	43.7	0.05324
485151.7	3751134	0.14229	36.4	0.04642
485251.7	3751134	0.13416	34.3	0.04262
485351.7	3751134	0.1274	32.6	0.03852
485451.7	3751134	0.12616	32.2	0.04046
484551.7	3751234	0.16888	43.2	0.08341
484651.7	3751234	0.21036	53.8	0.08192
484751.7	3751234	0.24631	62.9	0.08594
484851.7	3751234	0.2662	68.0	0.08906
484951.7	3751234	0.25883	66.1	0.08752
485051.7	3751234	0.21217	54.2	0.06983
485151.7	3751234	0.15303	39.1	0.0492
485251.7	3751234	0.14517	37.1	0.04575
485351.7	3751234	0.13404	34.3	0.04258
485451.7	3751234	0.13284	33.9	0.04124
484551.7	3751334	0.14431	36.9	0.08566

484651.7	3751334	0.18594	47.5	0.08682
484751.7	3751334	0.22917	58.6	0.08416
484851.7	3751334	0.26404	67.5	0.08787
484951.7	3751334	0.28379	72.5	0.08978
485051.7	3751334	0.26286	67.2	0.08832
485151.7	3751334	0.19269	49.2	0.05985
485251.7	3751334	0.15419	39.4	0.04802
485351.7	3751334	0.14711	37.6	0.04624
485451.7	3751334	0.13791	35.2	0.04148
484551.7	3751434	0.12506	32.0	0.08595
484651.7	3751434	0.15958	40.8	0.09013
484751.7	3751434	0.205	52.4	0.09018
484851.7	3751434	0.2493	63.7	0.0861
484951.7	3751434	0.28326	72.4	0.08894
485051.7	3751434	0.29051	74.2	0.09568
485151.7	3751434	0.2439	62.3	0.08143
485251.7	3751434	0.17796	45.5	0.05561
485351.7	3751434	0.15907	40.7	0.04914
485451.7	3751434	0.14778	37.8	0.04585
484551.7	3751534	0.12071	30.8	0.08405
484651.7	3751534	0.13764	35.2	0.09109
484751.7	3751534	0.17727	45.3	0.09456
484851.7	3751534	0.22423	57.3	0.09324
484951.7	3751534	0.26928	68.8	0.08775
485051.7	3751534	0.29805	76.2	0.07997
485151.7	3751534	0.31155	79.6	0.09337
485251.7	3751534	0.25755	65.8	0.08491
485351.7	3751534	0.17842	45.6	0.05893
485451.7	3751534	0.16228	41.5	0.04947
484551.7	3751634	0.13614	34.8	0.08008
484651.7	3751634	0.12875	32.9	0.09019
484751.7	3751634	0.15184	38.8	0.09635
484851.7	3751634	0.19027	48.6	0.09834
484951.7	3751634	0.23877	61.0	0.09575
485051.7	3751634	0.2592	66.2	0.08832
485151.7	3751634	0.3134	80.1	0.08377
485251.7	3751634	0.32429	82.9	0.09411
485351.7	3751634	0.2799	71.5	0.09145
485451.7	3751634	0.19604	50.1	0.07096
484551.7	3751734	0.14766	37.7	0.07389
484651.7	3751734	0.14477	37.0	0.08602
484751.7	3751734	0.13767	35.2	0.09628
484851.7	3751734	0.16794	42.9	0.10175
484951.7	3751734	0.20941	53.5	0.10197
485051.7	3751734	0.2489	63.6	0.09778
485151.7	3751734	0.28059	71.7	0.08924
485251.7	3751734	0.33324	85.2	0.08761

485351.7	3751734	0.33508	85.6	0.09543
485451.7	3751734	0.28775	73.5	0.09517
484551.7	3751834	0.1584	40.5	0.06561
484651.7	3751834	0.15632	39.9	0.07986
484751.7	3751834	0.15409	39.4	0.09233
484851.7	3751834	0.14695	37.6	0.10182
484951.7	3751834	0.18489	47.3	0.1056
485051.7	3751834	0.23066	58.9	0.10557
485151.7	3751834	0.27245	69.6	0.10004
485251.7	3751834	0.33116	84.6	0.09267
485351.7	3751834	0.35813	91.5	0.0915
485451.7	3751834	0.33979	86.8	0.10026
484551.7	3751934	0.17705	45.2	0.05684
484651.7	3751934	0.17393	44.4	0.0721
484751.7	3751934	0.16812	43.0	0.08707
484851.7	3751934	0.16455	42.1	0.09926
484951.7	3751934	0.15771	40.3	0.1077
485051.7	3751934	0.20587	52.6	0.11139
485151.7	3751934	0.25521	65.2	0.10959
485251.7	3751934	0.29849	76.3	0.1015
485351.7	3751934	0.35271	90.1	0.09718
485451.7	3751934	0.37588	96.1	0.09469
484551.7	3752034	0.19529	49.9	0.04951
484651.7	3752034	0.19564	50.0	0.06343
484751.7	3752034	0.19071	48.7	0.07899
484851.7	3752034	0.18504	47.3	0.09461
484951.7	3752034	0.17749	45.4	0.10778
485051.7	3752034	0.17613	45.0	0.1144
485151.7	3752034	0.22937	58.6	0.11672
485251.7	3752034	0.28259	72.2	0.11281
485351.7	3752034	0.32739	83.7	0.10318
485451.7	3752034	0.39023	99.7	0.10251
484551.7	3752134	0.20643	52.8	0.05567
484651.7	3752134	0.2123	54.3	0.05279
484751.7	3752134	0.21385	54.7	0.06987
484851.7	3752134	0.2119	54.2	0.08756
484951.7	3752134	0.20613	52.7	0.10372
485051.7	3752134	0.19534	49.9	0.11542
485151.7	3752134	0.19827	50.7	0.12196
485251.7	3752134	0.25739	65.8	0.12276
485351.7	3752134	0.31433	80.3	0.11663
485451.7	3752134	0.35936	91.8	0.10834
484551.7	3752234	0.2147	54.9	0.06311
484651.7	3752234	0.22441	57.4	0.05964
484751.7	3752234	0.23298	59.5	0.05909
484851.7	3752234	0.23508	60.1	0.07745
484951.7	3752234	0.23385	59.8	0.09609

485051.7	3752234	0.22454	57.4	0.11066
485151.7	3752234	0.21906	56.0	0.12461
485251.7	3752234	0.22288	57.0	0.12867
485351.7	3752234	0.28809	73.6	0.12714
485451.7	3752234	0.34993	89.4	0.119
484551.7	3752334	0.21876	55.9	0.06902
484651.7	3752334	0.23363	59.7	0.06826
484751.7	3752334	0.24546	62.7	0.06441
484851.7	3752334	0.25387	64.9	0.06557
484951.7	3752334	0.26021	66.5	0.08636
485051.7	3752334	0.26058	66.6	0.10617
485151.7	3752334	0.25723	65.7	0.12338
485251.7	3752334	0.2462	62.9	0.1336
485351.7	3752334	0.25377	64.9	0.13718
485451.7	3752334	0.32477	83.0	0.13194
484551.7	3752434	0.21738	55.6	0.07189
484651.7	3752434	0.23648	60.4	0.07455
484751.7	3752434	0.25275	64.6	0.07333
484851.7	3752434	0.26824	68.6	0.0695
484951.7	3752434	0.27998	71.6	0.07385
485051.7	3752434	0.28588	73.1	0.09544
485151.7	3752434	0.29358	75.0	0.11829
485251.7	3752434	0.28792	73.6	0.13343
485351.7	3752434	0.28046	71.7	0.1439
485451.7	3752434	0.28905	73.9	0.14472
484551.7	3752534	0.21768	55.6	0.08154
484651.7	3752534	0.23257	59.4	0.07935
484751.7	3752534	0.251	64.1	0.07853
484851.7	3752534	0.27384	70.0	0.07888
484951.7	3752534	0.29195	74.6	0.07452
485051.7	3752534	0.30906	79.0	0.08332
485151.7	3752534	0.32317	82.6	0.10858
485251.7	3752534	0.3287	84.0	0.13011
485351.7	3752534	0.32921	84.1	0.14634
485451.7	3752534	0.32074	82.0	0.1538
484551.7	3752634	0.21297	54.4	0.0903
484651.7	3752634	0.23088	59.0	0.08962
484751.7	3752634	0.25077	64.1	0.08864
484851.7	3752634	0.27364	69.9	0.08565
484951.7	3752634	0.29735	76.0	0.085
485051.7	3752634	0.32381	82.8	0.08218
485151.7	3752634	0.34575	88.4	0.09574
485251.7	3752634	0.36298	92.8	0.12233
485351.7	3752634	0.37323	95.4	0.1443
485451.7	3752634	0.37858	96.8	0.15973
484551.7	3752734	0.20233	51.7	0.09601
484651.7	3752734	0.22361	57.1	0.09895

484751.7	3752734	0.24492	62.6	0.099
484851.7	3752734	0.26782	68.4	0.09775
484951.7	3752734	0.29522	75.4	0.09427
485051.7	3752734	0.32591	83.3	0.09276
485151.7	3752734	0.35364	90.4	0.0878
485251.7	3752734	0.38325	97.9	0.10802
485351.7	3752734	0.40769	104.2	0.13693
485451.7	3752734	0.42748	109.2	0.16011
484551.7	3752834	0.18932	48.4	0.09945
484651.7	3752834	0.21095	53.9	0.10463
484751.7	3752834	0.23502	60.1	0.10876
484851.7	3752834	0.2607	66.6	0.11043
484951.7	3752834	0.28798	73.6	0.10967
485051.7	3752834	0.32071	82.0	0.10609
485151.7	3752834	0.35656	91.1	0.10053
485251.7	3752834	0.39447	100.8	0.0971
485351.7	3752834	0.42899	109.6	0.12334
485451.7	3752834	0.46442	118.7	0.15507
484551.7	3752934	0.17424	44.5	0.09846
484651.7	3752934	0.19581	50.0	0.10664
484751.7	3752934	0.22045	56.3	0.11455
484851.7	3752934	0.24709	63.1	0.11927
484951.7	3752934	0.2773	70.9	0.1231
485051.7	3752934	0.3095	79.1	0.12297
485151.7	3752934	0.34877	89.1	0.12021
485251.7	3752934	0.3924	100.3	0.11402
485351.7	3752934	0.4374	111.8	0.10551
485451.7	3752934	0.48217	123.2	0.14107
484551.7	3753034	0.16286	41.6	0.10125
484651.7	3753034	0.17953	45.9	0.10699
484751.7	3753034	0.20286	51.8	0.11659
484851.7	3753034	0.22982	58.7	0.12537
484951.7	3753034	0.26033	66.5	0.1333
485051.7	3753034	0.2949	75.4	0.13788
485151.7	3753034	0.33313	85.1	0.13982
485251.7	3753034	0.37744	96.5	0.13646
485351.7	3753034	0.43081	110.1	0.12991
485451.7	3753034	0.48825	124.8	0.12257
484551.7	3753134	0.16943	43.3	0.10033
484651.7	3753134	0.18017	46.0	0.10891
484751.7	3753134	0.18337	46.9	0.11652
484851.7	3753134	0.20876	53.4	0.125
484951.7	3753134	0.23821	60.9	0.13764
485051.7	3753134	0.27271	69.7	0.1478
485151.7	3753134	0.31907	81.5	0.156
485251.7	3753134	0.3582	91.5	0.15771
485351.7	3753134	0.40948	104.6	0.15559

485451.7	3753134	0.46974	120.0	0.14935
484551.7	3753234	0.16337	41.8	0.09411
484651.7	3753234	0.17606	45.0	0.10467
484751.7	3753234	0.19078	48.8	0.1158
484851.7	3753234	0.20686	52.9	0.12691
484951.7	3753234	0.22225	56.8	0.13659
485051.7	3753234	0.24359	62.3	0.15036
485151.7	3753234	0.28386	72.5	0.1644
485251.7	3753234	0.32777	83.8	0.17456
485351.7	3753234	0.3904	99.8	0.18134
485451.7	3753234	0.44278	113.2	0.18075
484551.7	3753334	0.17352	44.3	0.09009
484651.7	3753334	0.1806	46.2	0.09696
484751.7	3753334	0.19039	48.7	0.10932
484851.7	3753334	0.20282	51.8	0.12289
484951.7	3753334	0.21816	55.8	0.13679
485051.7	3753334	0.23883	61.0	0.15088
485151.7	3753334	0.26073	66.6	0.16578
485251.7	3753334	0.28436	72.7	0.18316
485351.7	3753334	0.33518	85.7	0.1989
485451.7	3753334	0.40174	102.7	0.20843
484551.7	3753434	0.17959	45.9	0.08462
484651.7	3753434	0.18872	48.2	0.09384
484751.7	3753434	0.19687	50.3	0.1028
484851.7	3753434	0.2052	52.4	0.11386
484951.7	3753434	0.2172	55.5	0.13033
485051.7	3753434	0.23301	59.5	0.14763
485151.7	3753434	0.2511	64.2	0.16498
485251.7	3753434	0.27853	71.2	0.18256
485351.7	3753434	0.30966	79.1	0.20655
485451.7	3753434	0.34433	88.0	0.22761
484551.7	3753534	0.17639	45.1	0.07662
484651.7	3753534	0.18448	47.1	0.08456
484751.7	3753534	0.1937	49.5	0.09425
484851.7	3753534	0.20128	51.4	0.10658
484951.7	3753534	0.21124	54.0	0.11847
485051.7	3753534	0.22368	57.2	0.13638
485151.7	3753534	0.23725	60.6	0.1574
485251.7	3753534	0.25851	66.1	0.17954
485351.7	3753534	0.291	74.4	0.20415
485451.7	3753534	0.32801	83.8	0.23518
484551.7	3753634	0.15833	40.5	0.07375
484651.7	3753634	0.16572	42.4	0.0788
484751.7	3753634	0.17744	45.3	0.08661
484851.7	3753634	0.18795	48.0	0.0976
484951.7	3753634	0.19906	50.9	0.10978
485051.7	3753634	0.21583	55.2	0.12355

485151.7	3753634	0.24017	61.4	0.14295
485251.7	3753634	0.26982	69.0	0.16825
485351.7	3753634	0.30829	78.8	0.19704
485451.7	3753634	0.35901	91.7	0.22839
484551.7	3753734	0.1686	43.1	0.07342
484651.7	3753734	0.18231	46.6	0.07949
484751.7	3753734	0.19915	50.9	0.08608
484851.7	3753734	0.21678	55.4	0.09322
484951.7	3753734	0.23955	61.2	0.10087
485051.7	3753734	0.26803	68.5	0.11304
485151.7	3753734	0.28783	73.6	0.13014
485251.7	3753734	0.33421	85.4	0.14995
485351.7	3753734	0.38714	98.9	0.17907
485451.7	3753734	0.45242	115.6	0.21473
484551.7	3753834	0.19476	49.8	0.07708
484651.7	3753834	0.21084	53.9	0.08007
484751.7	3753834	0.23141	59.1	0.08381
484851.7	3753834	0.24713	63.2	0.09188
484951.7	3753834	0.2786	71.2	0.10117
485051.7	3753834	0.30981	79.2	0.11143
485151.7	3753834	0.347	88.7	0.12293
485251.7	3753834	0.401	102.5	0.13582
485351.7	3753834	0.47534	121.5	0.15604
485451.7	3753834	0.54615	139.6	0.19027
484551.7	3753934	0.20749	53.0	0.10963
484651.7	3753934	0.2324	59.4	0.10657
484751.7	3753934	0.25214	64.4	0.11411
484851.7	3753934	0.27877	71.2	0.11907
484951.7	3753934	0.30856	78.9	0.12638
485051.7	3753934	0.3562	91.0	0.11603
485151.7	3753934	0.40939	104.6	0.12325
485251.7	3753934	0.45618	116.6	0.13448
485351.7	3753934	0.52555	134.3	0.15206
485451.7	3753934	0.60804	155.4	0.17268
484551.7	3754034	0.21829	55.8	0.11126
484651.7	3754034	0.2495	63.8	0.10941
484751.7	3754034	0.27502	70.3	0.11798
484851.7	3754034	0.30824	78.8	0.12466
484951.7	3754034	0.34637	88.5	0.11539
485051.7	3754034	0.38988	99.6	0.12508
485151.7	3754034	0.45343	115.9	0.13624
485251.7	3754034	0.48435	123.8	0.1769
485351.7	3754034	0.56994	145.7	0.16285
485451.7	3754034	0.64018	163.6	0.17915
484551.7	3754134	0.22864	58.4	0.0895
484651.7	3754134	0.26064	66.6	0.09515
484751.7	3754134	0.28911	73.9	0.10328

484851.7	3754134	0.32415	82.8	0.1116
484951.7	3754134	0.36609	93.6	0.11976
485051.7	3754134	0.41391	105.8	0.11416
485151.7	3754134	0.45513	116.3	0.14306
485251.7	3754134	0.49231	125.8	0.16161
485351.7	3754134	0.56286	143.8	0.15435
485451.7	3754134	0.60045	153.5	0.19371
484551.7	3754234	0.2464	63.0	0.08982
484651.7	3754234	0.2689	68.7	0.096
484751.7	3754234	0.29923	76.5	0.10088
484851.7	3754234	0.33128	84.7	0.10666
484951.7	3754234	0.36643	93.6	0.11303
485051.7	3754234	0.40104	102.5	0.12071
485151.7	3754234	0.44948	114.9	0.13204
485251.7	3754234	0.48241	123.3	0.14992
485351.7	3754234	0.51785	132.3	0.17152
485451.7	3754234	0.54569	139.5	0.19917
484551.7	3754334	0.25465	65.1	0.09705
484651.7	3754334	0.27894	71.3	0.10661
484751.7	3754334	0.30173	77.1	0.11775
484851.7	3754334	0.32649	83.4	0.13028
484951.7	3754334	0.35887	91.7	0.1439
485051.7	3754334	0.39091	99.9	0.15914
485151.7	3754334	0.42327	108.2	0.17578
485251.7	3754334	0.43508	111.2	0.19861
485351.7	3754334	0.46045	117.7	0.2209
485451.7	3754334	0.4727	120.8	0.25525
484551.7	3754434	0.25376	64.9	0.11825
484651.7	3754434	0.27616	70.6	0.12786
484751.7	3754434	0.30078	76.9	0.13806
484851.7	3754434	0.32604	83.3	0.14905
484951.7	3754434	0.33748	86.2	0.16253
485051.7	3754434	0.3628	92.7	0.17497
485151.7	3754434	0.37735	96.4	0.1936
485251.7	3754434	0.39129	100.0	0.21861
485351.7	3754434	0.40522	103.6	0.24498
485451.7	3754434	0.40516	103.5	0.28781
484551.7	3754534	0.252	64.4	0.12172
484651.7	3754534	0.26715	68.3	0.13305
484751.7	3754534	0.29826	76.2	0.1463
484851.7	3754534	0.3143	80.3	0.16158
484951.7	3754534	0.32415	82.8	0.1778
485051.7	3754534	0.3216	82.2	0.19364
485151.7	3754534	0.33717	86.2	0.20854
485251.7	3754534	0.33685	86.1	0.22175
485351.7	3754534	0.33472	85.5	0.25754
485451.7	3754534	0.33427	85.4	0.31076

484551.7	3754634	0.25261	64.6	0.13494
484651.7	3754634	0.26696	68.2	0.14484
484751.7	3754634	0.28556	73.0	0.15395
484851.7	3754634	0.28669	73.3	0.16245
484951.7	3754634	0.28188	72.0	0.16791
485051.7	3754634	0.29196	74.6	0.17317
485151.7	3754634	0.29039	74.2	0.19726
485251.7	3754634	0.28328	72.4	0.23253
485351.7	3754634	0.27984	71.5	0.26977
485451.7	3754634	0.31916	81.6	0.31334
485549.5	3750935	0.10163	26.0	0.04408
485649.5	3750935	0.11122	28.4	0.04581
485749.5	3750935	0.12233	31.3	0.04399
485849.5	3750935	0.12601	32.2	0.03909
485549.5	3751035	0.10853	27.7	0.04419
485649.5	3751035	0.11039	28.2	0.04722
485749.5	3751035	0.12381	31.6	0.04661
485849.5	3751035	0.13065	33.4	0.04243
485549.5	3751135	0.11879	30.4	0.044
485649.5	3751135	0.11161	28.5	0.04815
485749.5	3751135	0.12484	31.9	0.04893
485849.5	3751135	0.13422	34.3	0.04577
485549.5	3751235	0.12845	32.8	0.04379
485649.5	3751235	0.11874	30.3	0.04865
485749.5	3751235	0.12518	32.0	0.05088
485849.5	3751235	0.13714	35.0	0.04905
485549.5	3751335	0.13721	35.1	0.04398
485649.5	3751335	0.13008	33.2	0.04879
485749.5	3751335	0.12488	31.9	0.05243
485849.5	3751335	0.13972	35.7	0.0521
485549.5	3751435	0.14494	37.0	0.04512
485649.5	3751435	0.14092	36.0	0.04881
485749.5	3751435	0.13168	33.7	0.05365
485849.5	3751435	0.14167	36.2	0.05473
485549.5	3751535	0.15083	38.5	0.04592
485649.5	3751535	0.15097	38.6	0.0489
485749.5	3751535	0.14432	36.9	0.05444
485849.5	3751535	0.14306	36.6	0.0569
485549.5	3751635	0.16907	43.2	0.05932
485649.5	3751635	0.15863	40.5	0.05884
485749.5	3751635	0.15594	39.9	0.05502
485849.5	3751635	0.1476	37.7	0.05863
485549.5	3751735	0.23399	59.8	0.0895
485649.5	3751735	0.20987	53.6	0.08747
485749.5	3751735	0.16764	42.8	0.06964
485849.5	3751735	0.16152	41.3	0.06006
485549.5	3751835	0.30959	79.1	0.09923

485649.5	3751835	0.24441	62.5	0.09283
485749.5	3751835	0.19872	50.8	0.08757
485849.5	3751835	0.17515	44.8	0.07368
485549.5	3751935	0.34969	89.4	0.10395
485649.5	3751935	0.34273	87.6	0.10122
485749.5	3751935	0.29526	75.5	0.10302
485849.5	3751935	0.22687	58.0	0.10371
485549.5	3752035	0.39292	100.4	0.09803
485649.5	3752035	0.37865	96.8	0.09752
485749.5	3752035	0.36124	92.3	0.10415
485849.5	3752035	0.28208	72.1	0.11354
485549.5	3752135	0.41156	105.2	0.1063
485649.5	3752135	0.40977	104.7	0.10414
485749.5	3752135	0.40956	104.7	0.10222
485849.5	3752135	0.38409	98.2	0.10344
485549.5	3752235	0.39406	100.7	0.11412
485649.5	3752235	0.43614	111.5	0.10967
485749.5	3752235	0.42859	109.5	0.10936
485849.5	3752235	0.42593	108.9	0.10828
485549.5	3752335	0.38911	99.4	0.12093
485649.5	3752335	0.43347	110.8	0.11867
485749.5	3752335	0.44614	114.0	0.11664
485849.5	3752335	0.47163	120.5	0.11662
485549.5	3752435	0.36587	93.5	0.13673
485649.5	3752435	0.43364	110.8	0.12584
485749.5	3752435	0.47589	121.6	0.12178
485849.5	3752435	0.4786	122.3	0.12402
485549.5	3752535	0.32834	83.9	0.15193
485649.5	3752535	0.415	106.1	0.13978
485749.5	3752535	0.48632	124.3	0.13178
485849.5	3752535	0.52139	133.2	0.12965
485549.5	3752635	0.37219	95.1	0.16434
485649.5	3752635	0.37796	96.6	0.15869
485749.5	3752635	0.47694	121.9	0.14559
485849.5	3752635	0.5506	140.7	0.13899
485549.5	3752735	0.44079	112.6	0.17435
485649.5	3752735	0.43602	111.4	0.17463
485749.5	3752735	0.439	112.2	0.16519
485849.5	3752735	0.55007	140.6	0.15407
485549.5	3752835	0.49551	126.6	0.17801
485649.5	3752835	0.51443	131.5	0.18696
485749.5	3752835	0.51938	132.7	0.18494
485849.5	3752835	0.5165	132.0	0.17174
485549.5	3752935	0.53065	135.6	0.17441
485649.5	3752935	0.57626	147.3	0.19545
485749.5	3752935	0.60964	155.8	0.19966
485849.5	3752935	0.62932	160.8	0.19381

485549.5	3753035	0.54768	140.0	0.16369
485649.5	3753035	0.61233	156.5	0.19863
485749.5	3753035	0.67836	173.4	0.21417
485849.5	3753035	0.74343	190.0	0.21533
485549.5	3753135	0.53982	138.0	0.14211
485649.5	3753135	0.61848	158.1	0.18972
485749.5	3753135	0.70468	180.1	0.22237
485849.5	3753135	0.80259	205.1	0.23278
485549.5	3753235	0.51145	130.7	0.17353
485649.5	3753235	0.59054	150.9	0.1718
485749.5	3753235	0.69023	176.4	0.22169
485849.5	3753235	0.80146	204.8	0.2509
485549.5	3753335	0.46908	119.9	0.21046
485649.5	3753335	0.55476	141.8	0.20354
485749.5	3753335	0.6513	166.4	0.20537
485849.5	3753335	0.75762	193.6	0.26051
485549.5	3753435	0.39318	100.5	0.24278
485649.5	3753435	0.48443	123.8	0.24687
485749.5	3753435	0.58722	150.1	0.24021
485849.5	3753435	0.70625	180.5	0.24696
485619.4	3753970	0.77008	196.8	0.21728
485713	3753962	0.84438	215.8	0.27713
487190.9	3754410	0.59109	151.1	0.895
487194.8	3754289	0.70456	180.1	0.97535
487268.8	3754091	1.00466	256.8	1.03259
487483.3	3754102	0.75266	192.4	0.60275

Non-Mass Grading 8hr Ave w/Actual Emissions (ug/m3)	Total 8hr Ave w/Actual Emissions (ug/m3)
1.43	3.4705
1.51	3.8734
1.78	4.8817
1.66	4.9609
1.58	4.2446
1.65	4.4802
1.61	4.5170
1.69	4.3405
1.98	5.3490
1.92	5.3614
2.51	5.7712
3.93	10.2247
2.04	7.7356
2.19	5.7189
2.51	7.0500
2.88	6.2788
4.87	12.2908
4.22	12.7487
3.34	9.5022
2.79	8.0607
2.99	8.3733
4.14	11.2189
3.29	8.9510
3.53	10.0250
4.49	12.7346
3.69	10.3876
2.87	8.0973
3.52	9.9753
2.88	8.0822
3.26	9.6710
4.91	13.9017
3.51	9.3703
2.81	7.7708
4.08	10.2149

3.96	10.7493
2.80	7.1096
2.39	6.8311
2.40	6.3985
2.55	7.8507
3.11	8.4242
2.83	7.2073
2.54	7.0343
2.42	6.7049
2.07	6.6057
2.16	5.6713
1.18	3.2380
1.19	3.3327
1.50	3.6985
1.73	4.2152
1.65	4.5381
1.72	5.1385
1.72	4.8641
1.57	4.8688
1.91	5.1126
2.05	5.6792
1.84	6.0346
2.33	5.7702
3.30	8.8301
2.30	8.4913
1.79	5.2260
1.85	5.2382
3.60	7.9955
5.47	14.4217
3.69	12.1426
3.35	10.0588
3.14	8.8244
3.94	10.0349
3.70	11.2474
3.99	11.2968
5.02	14.2609
4.06	11.6117
3.15	9.0325
3.91	11.0549
3.25	9.4519
4.00	11.4511
4.78	13.7312
4.84	12.1812
3.38	10.3304
5.05	10.6786
3.34	8.5387
2.56	7.4223

2.62	7.0837
2.86	8.7225
3.35	8.8568
2.91	7.7004
2.76	7.2969
3.53	8.7795
2.06	6.6301
2.31	5.4308
1.55	4.3845
1.16	3.0800
1.22	3.2960
1.27	3.4913
1.29	3.6297
1.56	3.9298
1.76	4.5174
1.74	4.9652
1.89	5.0822
1.75	5.1654
1.86	5.0655
2.08	5.2156
2.04	5.9441
2.21	5.9951
3.33	8.5905
2.62	7.8743
2.01	5.9093
2.06	5.9062
4.62	10.5598
5.77	16.3776
4.27	12.0878
3.57	10.4687
3.80	10.9062
6.04	19.4491
3.70	10.2798
5.75	16.2877
4.60	13.2293
3.71	10.8448
4.27	12.0146
3.81	10.7675
4.85	14.3537
5.34	14.6908
3.63	11.9947
5.36	14.8120
4.14	10.6030
2.86	8.2198
2.90	8.0410
3.25	9.7858
3.63	9.4298

2.94	8.1729
2.90	7.9225
3.03	11.3138
2.87	7.3485
2.16	5.7336
2.02	5.8098
1.94	5.7384
1.04	2.8579
1.18	3.0080
1.27	3.3131
1.34	3.5864
1.42	3.8613
1.46	4.1017
1.85	5.1845
2.01	4.9323
2.38	6.6409
2.11	6.7752
1.94	6.2419
2.25	5.9969
2.28	6.8204
2.38	7.7570
3.14	7.6395
3.00	8.8310
2.28	6.8527
2.35	6.7938
5.90	14.0350
5.79	17.9132
4.59	13.7623
4.26	11.9540
5.74	15.5840
5.05	14.2070
4.94	13.4951
5.47	15.7881
4.49	13.1503
4.53	12.5940
4.33	13.2433
5.93	17.5566
5.22	13.2938
5.71	16.8347
5.25	13.5883
3.36	9.4055
3.24	9.2719
3.75	11.1309
3.97	10.0321
3.22	8.8328
2.98	9.4771
3.77	11.0981

3.09	7.3395
2.69	8.5690
3.41	9.1935
2.60	5.8080
1.89	6.3575
1.08	3.0827
1.14	3.0780
1.09	3.1366
1.21	3.2028
1.33	3.3936
1.48	3.8805
1.60	4.3217
1.68	4.3515
1.80	5.1409
2.93	6.9630
2.66	7.5352
2.35	7.9726
2.29	7.7925
3.10	7.4503
2.53	7.4788
3.35	7.8431
3.46	10.0244
2.65	8.1730
3.39	8.6413
7.43	18.7260
5.75	18.6210
5.07	15.0779
5.46	15.5109
5.54	16.2835
9.31	24.2041
5.92	16.5162
5.48	16.0975
4.63	13.2494
5.90	18.3098
7.19	19.9682
5.53	17.9872
6.67	17.7428
4.33	11.4799
3.74	11.0088
4.34	12.7349
4.35	10.9088
3.71	10.2135
3.80	12.0255
6.65	17.2473
5.29	14.0738
4.97	13.7810
5.49	12.1365

3.43	10.9250
3.28	7.5886
2.50	6.0981
1.22	3.1819
1.27	3.5015
1.20	3.5128
1.16	3.3484
1.23	3.3438
1.28	3.5740
1.49	3.7954
1.68	4.3020
1.84	4.8674
2.05	5.3223
2.07	5.8731
2.74	6.8613
3.83	10.2124
3.26	10.4540
2.99	8.0513
3.11	8.8442
3.52	9.2879
4.14	11.5630
3.16	10.0260
5.09	11.5235
9.20	25.0980
6.89	20.4186
6.31	17.7268
7.23	21.9011
7.92	22.1340
10.74	30.4221
7.03	20.9037
5.64	16.7779
8.50	25.5831
7.06	19.1179
8.22	23.0557
5.80	14.6660
4.43	13.4847
5.19	14.8454
4.69	12.3844
4.08	13.0747
5.06	14.7899
6.76	17.7736
4.99	13.2422
4.97	10.4408
3.62	10.6946
4.15	9.6184
3.28	8.2719
2.89	9.1660

3.08	8.9254
0.91	2.3842
1.09	2.6297
1.17	2.7659
1.29	3.2113
1.37	3.6363
1.40	4.4786
1.63	4.8522
1.85	5.0091
1.59	4.7371
1.82	5.1532
1.99	5.6424
2.23	6.0510
2.55	7.1121
2.96	7.2057
3.34	8.9051
3.29	9.6521
3.79	10.3786
3.67	11.1062
5.07	13.4628
3.94	12.8240
5.39	12.4002
9.15	30.3692
7.70	27.3037
9.40	27.9023
9.30	27.8526
9.75	28.7271
10.45	27.7097
7.41	24.5259
10.46	29.5073
9.24	28.7850
8.17	20.1856
5.35	16.9237
6.32	17.5066
5.08	14.2494
5.19	17.0372
9.30	23.5036
6.32	17.6624
8.06	18.8316
4.31	12.2829
5.21	10.8837
3.45	9.2532
2.77	8.7784
3.60	8.5568
3.30	7.0744
2.42	6.3376
0.87	2.5597

0.82	2.3705
0.87	2.4745
0.94	2.6172
1.09	2.7984
1.31	3.1369
1.53	3.6243
1.97	5.1095
1.65	5.0306
1.99	6.1491
2.14	5.7638
2.14	6.3465
2.43	5.9647
2.71	7.0795
2.79	7.8990
3.75	9.1545
4.21	11.5108
4.58	12.9401
4.83	14.3287
6.38	15.9308
7.48	23.4217
9.23	17.4293
15.36	44.5623
12.01	36.2601
12.30	37.5720
12.44	41.7020
14.97	39.8640
12.34	39.1231
10.32	33.3728
11.72	29.9794
6.75	22.2824
8.04	21.1015
6.14	20.3829
7.50	23.0251
10.30	27.1564
7.52	16.6288
6.40	16.1094
7.42	16.4972
4.09	12.6362
4.17	10.1162
3.89	8.0704
2.62	6.9134
2.39	6.9717
2.17	6.7797
2.37	6.0691
1.02	3.3064
1.04	3.2675
1.07	3.2809

1.08	3.2310
1.06	3.2245
1.07	3.2205
1.09	3.2217
1.17	3.3188
1.38	3.8019
1.88	5.6630
2.54	6.5155
2.36	6.1149
1.94	5.5509
2.14	5.9086
2.82	6.6762
3.42	8.4816
3.67	10.2740
5.09	12.6157
5.70	16.0773
6.72	18.5250
8.28	22.8288
9.81	32.8190
23.93	50.6269
13.13	38.0436
12.15	37.2001
18.52	47.8781
16.12	45.7594
17.40	50.8753
16.69	46.7752
9.15	31.1921
10.50	26.1314
8.44	29.5354
10.50	31.2622
10.39	24.3070
7.45	16.6340
6.72	18.1433
7.77	20.0345
7.19	13.9607
3.51	9.2068
3.16	8.9824
2.98	7.8552
3.09	7.7960
2.59	6.8779
2.32	6.6832
2.02	6.0203
1.42	3.6434
1.47	3.8777
1.51	4.1179
1.51	4.2865
1.46	4.3726

1.45	4.5647
1.41	4.7360
1.44	4.7622
1.44	4.6821
1.80	5.8446
2.15	6.4241
1.78	5.5487
1.78	4.6261
2.25	5.1986
2.57	6.0699
2.59	7.1520
3.30	8.5959
4.59	10.3754
5.38	14.2272
7.60	19.0846
8.99	25.1561
10.20	31.4426
10.11	35.0009
28.20	83.0704
15.37	41.4098
15.51	47.1669
18.31	62.1886
20.32	72.5498
14.34	48.6273
14.32	43.6399
14.12	45.9938
15.35	35.8398
10.25	30.9990
9.03	28.5710
11.51	22.7751
5.43	14.4190
4.66	12.4195
4.82	10.9746
3.85	10.1498
3.35	9.2410
3.07	8.3060
3.01	7.5805
2.62	6.7122
2.38	6.5089
2.15	5.9429
1.21	3.3018
1.23	3.4189
1.25	3.5410
1.36	3.7964
1.53	4.1243
1.71	4.4687
1.89	4.7943

2.05	5.0881
2.18	5.4153
2.30	6.4033
2.54	8.0234
2.24	6.6518
2.07	6.6508
2.09	6.8991
2.08	7.0113
2.22	7.0891
2.80	7.6453
3.74	8.8946
4.18	10.8227
6.31	15.0009
8.87	20.5688
13.20	33.0207
17.56	49.7361
19.71	65.1322
36.18	125.6343
22.20	71.2234
45.54	120.9703
30.72	91.9843
20.44	84.3379
26.50	65.8417
15.84	44.0899
13.42	34.3404
13.15	33.6713
10.68	25.6537
8.62	20.6387
5.31	14.2847
5.24	12.0155
4.53	10.6211
3.73	9.3091
3.11	8.0843
3.11	8.4021
2.85	7.8840
2.58	7.6128
2.29	7.6733
2.13	7.4545
1.05	2.9271
1.10	3.0506
1.18	3.2338
1.27	3.4230
1.38	3.6809
1.53	4.0161
1.68	4.3684
1.83	4.7011
1.95	4.9882

2.08	5.3051
2.19	5.5228
2.29	5.7923
2.52	6.2698
2.80	7.0141
3.18	8.0611
3.68	9.3728
4.15	10.8588
4.51	12.4786
4.45	13.9307
4.67	16.1058
6.53	20.1942
9.11	25.0903
18.12	41.1981
34.25	78.6849
60.90	197.1397
69.89	326.1941
76.58	272.2012
59.22	166.0846
38.15	96.5896
22.88	60.1798
22.93	57.4942
15.37	41.9753
15.16	36.4630
10.32	28.6918
7.65	22.2460
5.41	14.2483
5.12	13.3045
4.81	11.9174
4.61	11.0317
4.02	10.2682
3.84	9.5704
3.42	8.5599
3.10	7.8029
2.75	7.0685
2.58	6.5445
1.07	3.2282
1.11	3.3457
1.15	3.4906
1.20	3.6440
1.29	3.8987
1.37	4.1774
1.46	4.4372
1.59	4.8393
1.71	5.2192
1.78	5.4532
1.82	5.5672

1.97	6.0183
2.14	6.5101
2.36	6.8893
2.65	7.6201
2.99	8.4918
3.44	9.5801
4.02	10.9975
4.80	12.8500
6.07	15.5378
8.22	20.9108
11.71	30.7041
25.73	54.5983
38.19	91.5217
68.72	250.8241
413.01	794.2575
205.67	408.1270
63.57	145.0319
35.87	87.1659
30.81	65.9930
19.79	41.8616
15.71	35.6555
11.19	26.8984
9.63	24.1110
7.64	19.1289
6.72	16.4004
6.01	14.6983
5.37	13.2210
4.83	12.2254
4.40	11.4677
4.01	10.4188
3.66	9.5062
3.35	8.7213
3.07	8.0402
2.83	7.4603
1.20	2.8569
1.24	2.9105
1.28	2.9727
1.33	3.0572
1.38	3.2090
1.49	3.4871
1.55	3.7439
1.63	4.0744
1.71	4.4227
1.78	4.7769
1.85	5.1292
1.91	5.4755
1.99	5.7334

2.09	6.4058
2.45	7.5052
2.88	9.1846
3.42	10.9724
4.30	13.3535
5.54	16.7453
8.35	23.4836
11.01	32.5776
16.46	39.3039
27.52	62.6951
45.78	94.9548
65.34	128.9701
92.08	158.4705
79.15	144.5773
59.35	107.2970
25.82	61.5326
17.52	37.6267
13.73	28.1896
8.51	19.9754
7.02	18.0421
6.96	17.1779
6.30	14.2919
5.28	11.6748
4.49	10.1851
4.39	9.6786
4.15	9.1235
3.85	9.2136
3.51	8.7765
3.18	7.9801
2.86	7.1183
2.56	6.2971
2.38	5.9058
0.92	2.7736
0.99	2.9300
1.06	3.0788
1.13	3.2295
1.22	3.3905
1.34	3.6247
1.44	3.8345
1.56	4.2160
1.59	4.5659
1.78	5.5972
1.98	6.5169
2.17	6.9221
2.52	7.7300
3.22	8.9546
4.01	9.9862

4.19	11.5599
4.40	14.2354
5.57	17.1080
9.00	19.3899
10.49	29.6120
12.87	30.1951
18.53	39.6228
19.20	40.2114
16.97	47.0032
23.68	54.7842
27.88	63.2109
30.51	65.3547
18.40	36.8123
18.42	36.3272
14.36	34.0444
11.01	26.3981
6.74	19.8218
7.72	17.8876
5.59	12.8131
5.89	13.7376
5.42	12.3727
5.07	11.2438
3.87	9.6494
3.05	8.5082
2.83	8.1631
2.67	7.8565
2.49	6.4004
2.32	5.8645
2.21	5.5734
2.11	5.2358
1.06	2.8932
1.07	3.1627
1.08	3.4737
1.16	3.8706
1.26	4.2763
1.50	4.8162
1.74	5.2326
1.94	5.4403
2.19	5.6541
2.46	5.8052
2.66	6.5172
2.60	6.8481
2.54	8.5029
2.43	6.7748
4.56	11.0162
5.16	11.6902
5.00	16.3433

6.29	20.9330
10.90	21.1014
7.12	17.5322
7.26	18.8527
8.39	18.4915
9.90	29.2259
13.58	32.1016
13.28	27.8812
15.30	36.0552
13.74	33.5931
12.54	29.1688
12.02	25.3462
10.84	22.5731
10.12	22.2077
7.77	18.9007
8.70	18.0335
6.69	18.7058
3.86	11.0905
4.01	10.7434
4.66	9.3895
3.67	8.6238
3.19	8.4335
3.18	7.8788
3.05	6.8751
2.87	7.2156
2.75	6.8453
2.35	6.3830
1.84	5.6417
1.41	4.1192
1.54	4.2948
1.66	4.3970
1.77	4.4317
1.79	4.2098
1.77	4.1078
1.69	4.2673
1.58	4.5196
1.71	5.0054
2.03	5.7155
2.35	6.2213
2.69	7.1823
2.10	4.9579
2.33	6.1143
3.98	14.1273
6.36	15.9153
7.78	15.7089
5.22	13.4446
4.96	13.1847

5.34	11.9170
5.08	10.9620
6.14	18.9067
8.58	20.1054
9.81	22.6077
6.90	17.5226
8.72	20.8936
11.34	29.6538
8.68	23.9026
8.58	21.4464
8.58	18.3139
7.56	17.6791
5.96	15.6191
6.87	17.0534
5.20	13.6017
6.51	12.9572
4.12	12.1989
4.33	11.0719
2.78	8.2352
2.76	7.5934
2.79	6.1919
3.10	6.9647
2.54	6.5599
1.86	6.3552
2.10	5.8617
2.08	5.0639
1.42	3.2096
1.34	3.2660
1.23	3.3949
1.21	3.5957
1.35	3.9144
1.50	4.2064
1.65	4.4454
1.76	4.7279
1.85	4.8455
1.99	5.0323
2.02	6.1881
1.95	6.4066
2.32	6.9848
5.38	10.1561
4.95	10.6723
4.02	10.8356
4.82	12.2703
5.27	12.7470
3.42	8.4782
3.58	8.5155
4.83	14.1003

5.93	15.2649
5.20	14.2348
7.46	17.6635
6.06	14.8485
6.05	14.9148
12.11	28.6165
8.19	17.1628
6.11	17.6666
6.82	18.4435
6.57	15.0020
5.23	15.0386
6.20	14.1315
6.25	13.6094
4.36	12.7149
3.99	9.9807
4.64	9.5270
4.11	9.4898
2.88	8.6667
3.03	6.7827
1.99	6.2241
2.01	5.9374
2.25	5.2362
2.17	4.7020
2.25	4.7284
1.15	3.3005
1.25	3.4771
1.41	3.8023
1.42	3.8102
1.46	3.9551
1.54	3.9958
1.58	3.9848
1.54	4.7037
1.76	5.6684
2.31	6.7230
2.76	7.1394
3.52	6.9741
1.78	4.3636
3.05	8.1130
3.89	9.5885
4.14	10.7315
3.40	7.4982
4.54	10.8998
2.97	7.1752
3.91	10.9536
4.69	11.4992
4.59	9.9068
3.94	10.5572

5.56	13.3919
6.53	16.5183
8.43	20.6323
11.26	24.5239
8.39	21.3759
7.50	20.3442
6.76	14.7129
5.26	11.9383
4.95	11.9764
3.55	11.6234
4.40	9.4992
3.25	9.8557
4.81	9.6650
3.18	9.6617
2.97	7.4512
2.75	6.5539
3.45	7.3671
2.26	7.1462
2.34	6.3598
2.27	5.3242
1.51	5.0711
1.23	4.1514
1.23	3.3559
1.26	3.4237
1.33	3.4208
1.36	3.4044
1.29	3.8885
1.42	4.5676
1.80	5.3667
2.14	5.8600
2.35	5.8984
2.42	5.9152
2.24	6.5359
2.43	6.5032
2.80	6.8480
3.16	8.1757
3.50	8.4415
2.34	6.1911
2.38	5.8428
3.26	8.2961
3.90	10.1151
3.68	9.5203
4.27	9.2485
5.33	12.3564
4.92	13.0040
5.53	13.8657
6.36	16.5312

6.65	18.0644
7.13	16.8270
6.16	15.6273
6.04	14.5993
5.15	13.6111
5.40	11.9847
3.23	8.4258
3.94	9.8390
2.81	9.7855
3.71	7.2899
3.87	9.2337
3.20	7.8604
3.65	8.5383
2.38	6.8070
2.24	5.6568
2.27	5.2085
2.61	6.3816
2.17	5.9076
1.42	5.0720
1.78	3.6856
1.19	2.9691
1.12	3.3570
1.21	3.8852
1.51	4.5446
1.78	5.0178
1.96	5.1450
2.00	4.8750
1.86	4.7291
1.76	5.1257
2.23	6.1370
2.54	6.4047
2.66	7.1228
2.70	7.2157
3.20	7.6961
2.39	5.7382
2.93	6.4706
2.89	7.6709
4.71	12.4017
3.70	10.4373
3.33	8.4261
4.01	11.9489
4.32	10.4609
6.37	14.4109
4.20	10.7950
5.58	15.1659
5.70	14.3855
4.62	10.8981

5.92	16.8466
4.23	10.4114
3.95	9.3291
2.82	8.4166
3.55	10.5382
2.58	7.2703
3.38	8.1460
2.56	8.5723
2.69	5.8141
3.43	7.9698
2.54	7.3691
2.64	6.0584
1.71	4.1195
1.75	4.7737
1.64	4.1283
1.96	4.4023
1.91	5.0350
1.30	3.5037
1.34	4.0761
1.57	4.5289
1.74	4.7300
1.80	4.5864
1.75	4.1738
1.55	4.1078
1.54	4.4628
1.79	4.9432
1.97	5.0881
1.94	5.4905
2.24	6.0954
2.43	6.0295
2.17	5.8095
2.51	6.2926
3.11	7.4335
2.07	6.3782
3.26	10.1965
4.64	11.3620
3.44	8.4540
2.98	7.4019
3.92	9.2116
4.30	12.6618
3.28	9.1603
3.43	8.7102
5.36	13.7712
5.13	13.0842
3.81	9.7571
9.05	23.6979
4.87	12.5592

5.20	13.6119
4.35	10.8858
3.16	6.8586
2.49	7.9628
2.18	6.1129
2.91	7.0376
2.67	7.8821
1.84	4.5642
2.73	6.0951
2.62	6.3511
1.80	4.9834
1.69	4.0645
1.72	4.2517
1.26	3.7278
1.26	3.0515
1.52	3.2893
1.70	4.4753
1.83	4.5742
1.57	3.7086
1.35	3.7297
1.41	4.0400
1.60	4.3974
1.71	4.4585
1.70	4.7624
1.90	5.1361
2.00	5.5404
2.14	5.0304
2.00	5.4542
2.22	5.8420
1.98	4.5432
1.82	5.5707
2.85	8.4904
3.71	9.1836
3.39	7.8855
3.65	8.3832
3.30	8.9886
2.52	7.2214
3.45	8.8222
2.79	7.2413
3.97	10.7476
4.24	10.6195
3.73	9.5298
2.74	7.0555
6.83	16.7468
4.06	10.1822
4.73	10.6941
3.22	7.4672

2.97	8.3259
3.50	7.4688
2.32	5.8160
2.10	5.2365
2.73	6.3593
2.67	7.1879
1.60	3.9894
2.38	4.6570
2.59	6.0234
1.82	5.6448
1.04	3.5675
1.17	2.8749
1.23	3.0483
0.81	2.1240
1.43	3.4245
1.26	3.6256
1.39	3.9963
1.50	4.1450
1.58	4.1423
1.54	4.2216
1.63	4.6401
1.84	5.0642
1.95	4.8407
1.67	4.5710
1.85	4.7628
2.08	5.4236
1.76	4.1699
1.62	4.9252
2.48	6.9104
2.96	8.0753
3.44	8.2495
2.23	6.8509
2.24	6.9943
2.88	6.6315
2.70	7.3997
2.81	6.8728
2.72	8.4317
3.81	9.9088
3.78	9.7420
3.80	9.7766
2.93	7.3788
5.32	12.4584
3.76	9.4988
3.36	8.2564
3.37	9.6197
3.48	8.4462
1.93	5.3242

2.88	7.4433
2.24	5.0111
1.91	4.4813
2.40	5.5730
2.58	6.4567
1.42	3.8179
1.78	3.7170
1.60	4.2262
1.00	2.5785
1.07	2.6880
0.92	2.4414
0.63	1.8716
1.28	3.6455
1.51	4.1776
1.48	3.9121
1.46	3.8800
1.47	4.3224
1.69	4.5475
1.78	4.7606
1.88	4.4322
1.49	4.2717
1.68	4.2722
1.63	4.1741
1.50	3.8639
1.46	4.3946
2.13	5.9458
2.56	6.6830
2.78	7.0494
1.91	5.0733
1.91	5.2394
2.97	7.5107
1.89	5.4316
2.75	7.2270
2.03	5.6311
2.62	6.8639
2.69	7.9174
3.42	9.0499
3.61	9.3646
2.94	7.4710
3.62	8.5547
3.04	9.0021
3.13	8.2543
3.73	8.7717
2.56	6.0611
2.63	7.2312
1.98	4.5874
2.05	6.2414

1.86	4.3790
1.74	3.9641
2.08	4.2301
2.01	4.7381
1.15	3.4436
1.03	2.6149
0.67	1.7676
0.54	1.4029
0.53	1.3618
0.61	1.8303
1.41	3.7454
1.37	3.5487
1.30	3.9545
1.59	4.2585
1.57	4.4325
1.69	4.1728
1.41	3.8228
1.65	4.4419
1.47	3.9016
1.47	3.6521
1.18	3.2577
1.35	4.0406
1.81	5.0986
2.17	5.7338
2.38	6.2917
1.87	4.5444
1.65	4.2579
2.27	6.4359
2.17	4.8981
2.18	5.9998
2.53	6.3534
2.05	5.4288
2.25	5.7940
2.23	6.0910
2.32	6.0067
3.54	9.3777
3.31	8.0560
3.10	7.9802
4.37	12.0558
2.55	6.6521
2.24	5.7462
1.89	5.7492
2.76	6.3769
1.78	4.8638
2.43	4.9987
1.56	4.8268
1.53	3.9931

1.36	3.3287
1.81	3.7372
2.11	5.1371
0.95	3.1065
0.45	1.1710
0.44	1.1931
0.47	1.2116
0.45	1.1294
1.22	3.6861
1.48	4.1037
1.55	4.2816
1.63	4.2823
1.53	3.6524
1.27	3.7127
1.47	3.7636
1.32	3.6080
1.33	3.2130
1.04	2.9609
1.22	3.6282
1.62	4.5658
1.86	4.9598
2.02	5.6412
1.90	4.3738
1.46	3.8264
1.53	4.8287
2.40	5.9199
1.57	4.4734
2.16	5.7403
1.99	4.7614
1.87	5.1689
1.97	5.2126
2.30	6.3037
2.11	5.6133
2.74	7.2182
2.56	7.3440
3.21	8.2790
5.89	14.7487
2.77	7.1173
2.12	5.2948
2.57	6.4830
1.54	3.6994
2.07	5.8176
1.49	3.6967
2.31	5.4512
1.34	3.6315
1.26	3.4604
1.21	3.1986

1.60	3.3412
1.78	4.3227
0.84	2.0496
0.60	1.6486
0.55	1.3971
0.25	0.7564
28.11	82.7481
27.85	87.1045
19.76	66.0029
16.69	56.3229
14.79	49.2804
14.46	47.8297
13.87	45.2596
12.59	42.7010
12.95	42.7509
13.96	41.8607
29.10	83.4856
27.70	89.1068
27.84	86.6792
19.36	65.1062
19.39	64.2661
16.07	51.3542
14.66	48.6457
13.76	44.9711
13.23	44.6060
14.02	44.2106
30.75	79.9489
29.06	87.7176
28.57	93.8915
27.85	87.1845
24.52	78.6996
18.52	62.2491
16.15	52.5092
14.82	49.1098
13.40	45.9562
14.07	46.3140
29.01	72.1700
28.49	82.2525
29.89	92.8381
30.98	99.0064
30.44	96.5873
24.29	78.5100
17.11	56.2208
15.91	53.0122
14.81	49.0652
14.34	48.2925
29.79	66.6735

30.20	77.7159
29.27	87.8387
30.56	98.0405
31.23	103.7522
30.72	97.8955
20.82	70.0606
16.70	56.1069
16.08	53.6784
14.43	49.6716
29.89	61.8548
31.35	72.1306
31.37	83.7556
29.95	93.6579
30.93	103.3246
33.28	107.5216
28.32	90.6536
19.34	64.8214
17.09	57.7435
15.95	53.7140
29.23	60.0822
31.68	66.8575
32.89	78.1923
32.43	89.7343
30.52	99.3379
27.81	103.9845
32.47	112.0952
29.53	95.3524
20.50	66.0937
17.21	58.6787
27.85	62.6447
31.37	64.2725
33.51	72.3159
34.20	82.8293
33.30	94.3232
30.72	96.9601
29.14	109.2290
32.73	115.6084
31.81	103.3389
24.68	74.7809
25.70	63.4359
29.92	66.9162
33.49	68.6703
35.39	78.3086
35.47	88.9833
34.01	97.6181
31.04	102.7465
30.47	115.6349

33.19	118.8250
33.10	106.6389
22.82	63.3007
27.78	67.7255
32.11	71.4927
35.41	72.9687
36.73	83.9795
36.72	95.6661
34.79	104.4226
32.23	116.8633
31.82	123.3488
34.87	121.7087
19.77	65.0167
25.08	69.5269
30.28	73.2488
34.52	76.5762
37.46	77.7637
38.74	91.3550
38.12	103.3383
35.30	111.5852
33.80	123.9393
32.93	128.9946
17.22	67.1287
22.06	72.0596
27.47	76.2116
32.91	80.1954
37.49	82.8465
39.79	84.8015
40.60	99.2145
39.24	111.4555
35.89	119.5553
35.65	135.3818
19.36	72.1181
18.36	72.6166
24.30	78.9533
30.45	84.6077
36.07	88.7537
40.14	90.0656
42.42	93.0890
42.70	108.4761
40.57	120.8957
37.68	129.5203
21.95	76.8193
20.74	78.0939
20.55	80.0928
26.94	87.0153
33.42	93.1841

38.49	95.8724
43.34	99.3239
44.75	101.7122
44.22	117.8452
41.39	130.8180
24.01	79.9125
23.74	83.4483
22.40	85.1326
22.81	87.6853
30.04	96.5365
36.93	103.5212
42.91	108.6508
46.47	109.3866
47.71	112.5664
45.89	128.8887
25.00	80.5580
25.93	86.3644
25.50	90.0981
24.17	92.7246
25.69	97.2379
33.19	106.2549
41.14	116.1702
46.41	119.9895
50.05	121.7246
50.33	124.2051
28.36	83.9910
27.60	87.0346
27.31	91.4594
27.44	97.4182
25.92	100.5300
28.98	107.9634
37.77	120.3550
45.25	129.2566
50.90	135.0319
53.49	135.4619
31.41	85.8341
31.17	90.1747
30.83	94.9170
29.79	99.7218
29.56	105.5550
28.58	111.3364
33.30	121.6597
42.55	135.3113
50.19	145.5722
55.56	152.3061
33.39	85.1010
34.42	91.5619

34.43	97.0253
34.00	102.4429
32.79	108.2349
32.26	115.5529
30.54	120.9145
37.57	135.5144
47.63	151.8155
55.69	164.9352
34.59	82.9726
36.39	90.3020
37.83	97.8898
38.41	105.0335
38.14	111.7409
36.90	118.8603
34.97	126.0883
33.77	134.5837
42.90	152.5322
53.93	172.6227
34.25	78.7744
37.09	87.1319
39.84	96.1801
41.48	104.6300
42.82	113.6826
42.77	121.8664
41.81	130.9424
39.66	139.9396
36.70	148.4800
49.07	172.2896
35.22	76.8365
37.21	83.0931
40.55	92.3943
43.60	102.3380
46.36	112.8934
47.96	123.3211
48.63	133.7660
47.46	143.9213
45.18	155.2824
42.63	167.4090
34.90	78.1955
37.88	83.9245
40.53	87.3891
43.48	96.8272
47.87	108.7498
51.41	121.1004
54.26	135.8003
54.85	146.3952
54.12	158.7630

51.95	171.9929
32.73	74.4834
36.41	81.3994
40.28	89.0324
44.14	97.0060
47.51	104.3059
52.30	114.5489
57.18	129.7236
60.71	144.4790
63.07	162.8430
62.87	176.0241
31.33	75.6792
33.72	79.8780
38.02	86.6789
42.74	94.5753
47.58	103.3302
52.48	113.5133
57.66	124.2924
63.70	136.3763
69.18	154.8384
72.49	175.1632
29.43	75.3279
32.64	80.8680
35.75	86.0672
39.60	92.0428
45.33	100.8380
51.35	110.8955
57.38	121.5531
63.50	134.6777
71.84	150.9772
79.16	167.1624
26.65	71.7277
29.41	76.5568
32.78	82.2833
37.07	88.5090
41.20	95.1898
47.43	104.5983
54.75	115.3772
62.45	128.5109
71.01	145.3737
81.80	165.6246
25.65	66.1140
27.41	69.7591
30.12	75.4706
33.95	81.9790
38.18	89.0546
42.97	98.1297

49.72	111.0976
58.52	127.4746
68.53	147.3195
79.44	171.1854
25.54	68.6239
27.65	74.2388
29.94	80.8345
32.42	87.8234
35.08	96.3033
39.32	107.8146
45.26	118.8222
52.15	137.5653
62.28	161.2204
74.69	190.3063
26.81	76.5823
27.85	81.7317
29.15	88.2894
31.96	95.1137
35.19	106.3873
38.76	117.9319
42.76	131.4361
47.24	149.7197
54.27	175.7508
66.18	205.7527
38.13	91.1568
37.07	96.4586
39.69	104.1258
41.41	112.6566
43.96	122.8122
40.36	131.3874
42.87	147.4919
46.77	163.3555
52.89	187.1983
60.06	215.4514
38.70	94.4838
38.05	101.8165
41.03	111.3191
43.36	122.1322
40.13	128.6526
43.50	143.1424
47.39	163.2649
61.53	185.3088
56.64	202.2956
62.31	225.9155
31.13	89.5606
33.09	99.7036
35.92	109.8072

38.82	121.6558
41.65	135.2122
39.71	145.4854
49.76	166.0714
56.21	182.0250
53.68	197.5298
67.37	220.8261
31.24	94.2106
33.39	102.1102
35.09	111.5587
37.10	121.7598
39.31	132.9583
41.98	144.4745
45.92	160.7946
52.14	175.4291
59.66	191.9989
69.27	208.7306
33.75	98.8337
37.08	108.3663
40.95	118.0652
45.31	128.7509
50.05	141.7632
55.35	155.2520
61.14	169.3095
69.08	180.2682
76.83	194.5044
88.78	209.5823
41.13	105.9798
44.47	115.0468
48.02	124.8864
51.84	135.1643
56.53	142.7764
60.86	153.5740
67.34	163.7721
76.03	176.0333
85.21	188.7650
100.10	203.6464
42.34	106.7369
46.28	114.5493
50.88	127.1083
56.20	136.5221
61.84	144.6808
67.35	149.5384
72.53	158.6999
77.13	163.2127
89.57	175.1164
108.09	193.5118

46.93	111.4908
50.38	118.6014
53.55	126.5234
56.50	129.7686
58.40	130.4384
60.23	134.8439
68.61	142.8214
80.88	153.2716
93.83	165.3449
108.98	190.5476
15.33	41.3042
15.93	44.3567
15.30	46.5630
13.60	45.7992
15.37	43.1058
16.42	44.6350
16.21	47.8525
14.76	48.1467
15.30	45.6618
16.75	45.2703
17.02	48.9226
15.92	50.2207
15.23	48.0575
16.92	47.2663
17.70	49.6877
17.06	52.1078
15.30	50.3623
16.97	50.2131
18.24	50.1502
18.12	53.8279
15.69	52.7343
16.98	52.9903
18.66	52.3123
19.04	55.2410
15.97	54.5178
17.01	55.5900
18.93	55.8174
19.79	56.3510
20.63	63.8399
20.47	61.0048
19.14	58.9888
20.39	58.1130
31.13	90.9278
30.42	84.0576
24.22	67.0638
20.89	62.1677
34.51	113.6325

32.29	94.7490
30.46	81.2429
25.63	70.3882
36.15	125.5221
35.21	122.7939
35.83	111.2885
36.07	94.0506
34.10	134.5110
33.92	130.6868
36.22	128.5434
39.49	111.5791
36.97	142.1511
36.22	140.9424
35.55	140.2209
35.98	134.1361
39.69	140.3986
38.14	149.6049
38.04	147.5676
37.66	146.5122
42.06	141.5022
41.27	152.0528
40.57	154.5848
40.56	161.0921
47.56	141.0583
43.77	154.5901
42.36	163.9755
43.14	165.4471
52.84	136.7538
48.62	154.6749
45.83	170.1191
45.09	178.3408
57.16	152.2765
55.19	151.7859
50.64	172.5251
48.34	189.0543
60.64	173.2896
60.74	172.1679
57.45	169.6462
53.59	194.1638
61.91	188.5469
65.03	196.4950
64.32	197.0575
59.73	191.7304
60.66	196.2752
67.98	215.2493
69.44	225.2442
67.41	228.2390

56.93	196.8989
69.09	225.5734
74.49	247.8531
74.89	264.8860
49.43	187.3845
65.99	224.0462
77.34	257.4315
80.96	286.0743
60.36	191.0624
59.75	210.6730
77.11	253.5022
87.27	292.0878
73.20	193.0788
70.79	212.5685
71.43	237.8769
90.61	284.2264
84.44	184.9229
85.86	209.6654
83.55	233.6182
85.90	266.3854
75.57	272.3749
96.39	312.1795
311.29	462.3493
339.24	519.2944
359.14	615.8971
209.64	401.9931

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 8.0.7
** Lakes Environmental Software Inc.
** Date: 12/6/2012
** File: C:\MBA\Highland Fairview REV3 - All Sources\AERMOD-Construction_15hr\LST_Const_NOx_2013_15hr\LST_Const_NOx_2013_15hr.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE World Logistics Center - LST Assessment (1hour averages)
   TITLETWO Construction in 2013 with NOx Emissions (15 hr day)
   MODELOPT CONC  FASTALL OLM
   AVERTIME 1
   URBANOPT 2000000
   POLLUTID NO2
   RUNORNOT RUN
** NO2 Conversion Options
   NO2STACK 0.1
   NO2EQUIL 0.9
   OZONEFIL C:\MBA\MorenoHighland\O3RIVR0507.dat PPB
   ERRORFIL LST_Const_NOx_2013_15hr.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION AREA1        AREA       486275.918  3753257.428      490.710
** DESCRSRC Disturbed Construction Area - Mass Grading
   LOCATION AREA2        AREA       486274.890  3754012.700      506.140
** DESCRSRC Daily Area Disturbed - Non-Mass GRading ACtivities
** Source Parameters **
   SRCPARAM AREA1        0.0000639     5.000   753.000   755.000     0.000
   SRCPARAM AREA2        0.0000583     5.000   753.000   325.000     0.000
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT AREA1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
** Saturday:
   EMISFACT AREA1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
** Sunday:
   EMISFACT AREA1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT AREA2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA2        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT AREA2        HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT AREA2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
** Saturday:
   EMISFACT AREA2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA2        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT AREA2        HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT AREA2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
** Sunday:
   EMISFACT AREA2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** OLM Source Groups for Combined Plumes
   OLMGROUP ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED LST_Const_NOx_2013_15hr.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE RIVR2.SFC
   PROFFILE RIVR2.PFL
   SURFDATA 00002 2005
   UAIRDATA 3190 2005
```

```
   PROFBASE 250.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST 8TH
   RECTABLE 1 1ST 8TH
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST LST_CONST_NOX_2013_15HR.AD\01H1GALL.PLT 31
   PLOTFILE 1 ALL 8TH LST_CONST_NOX_2013_15HR.AD\01H8GALL.PLT 32
   MXDYBYYR ALL LST_CONST_NOX_2013_15HR.AD\MXDYBYYR_ALL_NO2.DAT 33
   SUMMFILE LST_Const_NOx_2013_15hr.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W530     107 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

 ************************************
 *** SETUP Finishes Successfully ***
 ************************************

♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - LST Assessment (1hour averages)             ***        12/06/12
                                   *** Construction in 2013 with NOx Emissions (15 hr day)                  ***        11:32:47
                                                                                                                        PAGE   1
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL                                                       OLM

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for     2 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2000000.0 ;  Urban Roughness Length =  1.000 m

 **Model Allows User-Specified Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Ozone Limiting Method (OLM) Used for NO2 Conversion
            with an Equilibrium NO2/NOx Ratio of  0.900
         7. Urban Roughness Length of 1.0 Meter Used.

 **Other Options Specified:
         FASTALL  - Use effective sigma-y to optimize meander for
                    POINT and VOLUME sources, and hybrid approach
                    to optimize AREA sources (formerly TOXICS option)

 **Model Assumes No FLAGPOLE Receptor Heights.

 **Model Calculates  1 Short Term Average(s) of:   1-HR

 **This Run Includes:      2 Source(s);       1 Source Group(s); and    1705 Receptor(s)

 **The Model Assumes A Pollutant Type of:  NO2

 **Note that special processing requirements apply for the 1-hour NO2 NAAQS - check available guidance.
   Model will process user-specified ranks of daily maximum 1-hour values averaged across the number of years modeled.
   For annual NO2 NAAQS modeling, the multi-year maximum of PERIOD values can be simulated using the MULTYEAR keyword.
   Multi-year PERIOD and 1-hour values should only be done in a single model run using the MULTYEAR option with a
   single multi-year meteorological data file using STARTEND keyword.

 **Model Set To Continue RUNning After the Setup Testing.

 **Output Options Selected:
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
          Model Outputs External File(s) of Maximum Daily 1-hr Values by Year (MXDYBYYR Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   250.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                              ;  Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.9 MB of RAM.
                                                                  Page 2
```

```
 **Detailed Error/Message File:   LST_Const_NOx_2013_15hr.err
 **File for Summary of Results:   LST_Const_NOx_2013_15hr.sum
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - LST Assessment (1hour averages)            ***        12/06/12
                                   *** Construction in 2013 with NOx Emissions (15 hr day)                 ***        11:32:47
                                                                                                                      PAGE   2
 **MODELOPTs:  NonDFAULT CONC                                                ELEV
                        FASTALL                                                     OLM


                                                  *** AREA SOURCE DATA ***

               NUMBER EMISSION RATE  COORD (SW CORNER)  BASE     RELEASE  X-DIM     Y-DIM    ORIENT.    INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC       X        Y      ELEV.    HEIGHT  OF AREA   OF AREA   OF AREA     SZ     SOURCE  SCALAR VARY
     ID         CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS) (METERS)  (METERS)   (DEG.)  (METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 AREA1            0   0.63900E-04  486275.9 3753257.4   490.7     5.00    753.00    755.00      0.00     0.00     YES   HRDOW
 AREA2            0   0.58300E-04  486274.9 3754012.7   506.1     5.00    753.00    325.00      0.00     0.00     YES   HRDOW
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - LST Assessment (1hour averages)            ***        12/06/12
                                   *** Construction in 2013 with NOx Emissions (15 hr day)                 ***        11:32:47
                                                                                                                      PAGE   3
 **MODELOPTs:  NonDFAULT CONC                                                ELEV
                        FASTALL                                                     OLM


                                             *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                  SOURCE IDs


  ALL       AREA1       , AREA2       ,
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - LST Assessment (1hour averages)            ***        12/06/12
                                   *** Construction in 2013 with NOx Emissions (15 hr day)                 ***        11:32:47
                                                                                                                      PAGE   4
 **MODELOPTs:  NonDFAULT CONC                                                ELEV
                        FASTALL                                                     OLM

                                            *** SOURCE IDs DEFINING OLM SOURCE GROUPS ***
                                            ***        FOR COMBINING PLUMES           ***

 OLMGRP ID                                                  SOURCE IDs


  ALL       AREA1       , AREA2       ,
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - LST Assessment (1hour averages)            ***        12/06/12
                                   *** Construction in 2013 with NOx Emissions (15 hr day)                 ***        11:32:47
                                                                                                                      PAGE   5
 **MODELOPTs:  NonDFAULT CONC                                                ELEV
                        FASTALL                                                     OLM


                                          *** IN-STACK NO2 RATIOS FOR OLM/PVMRM OPTIONS ***


 SOURCE_ID    NO2_RATIO      SOURCE_ID    NO2_RATIO      SOURCE_ID    NO2_RATIO      SOURCE_ID    NO2_RATIO

 AREA1          0.100        AREA2          0.100
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - LST Assessment (1hour averages)            ***        12/06/12
                                   *** Construction in 2013 with NOx Emissions (15 hr day)                 ***        11:32:47
                                                                                                                      PAGE   6
 **MODELOPTs:  NonDFAULT CONC                                                ELEV
                        FASTALL                                                     OLM

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = AREA1        ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .1000E+01   22  .1000E+01   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .1000E+01   22  .1000E+01   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - LST Assessment (1hour averages)            ***        12/06/12
                                   *** Construction in 2013 with NOx Emissions (15 hr day)                 ***        11:32:47
                                                                                                                      PAGE   7
 **MODELOPTs:  NonDFAULT CONC                                                ELEV
                        FASTALL                                                     OLM

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = AREA2        ; SOURCE TYPE = AREA     :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .1000E+01   22  .1000E+01   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .1000E+01   22  .1000E+01   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

461553.0, 462553.0, 463553.0, 464553.0, 465553.0, 466553.0, 467553.0, 468553.0, 469553.0, 470553.0,
471553.0, 472553.0, 473553.0, 474553.0, 475553.0, 476553.0, 477553.0, 478553.0, 479553.0, 480553.0,
481553.0, 482553.0, 483553.0, 484553.0, 485553.0, 486553.0, 487553.0, 488553.0, 489553.0, 490553.0,
491553.0, 492553.0, 493553.0, 494553.0, 495553.0, 496553.0, 497553.0, 498553.0, 499553.0, 500553.0,
501553.0, 502553.0, 503553.0, 504553.0, 505553.0,

*** Y-COORDINATES OF GRID ***
(METERS)

3741938.3, 3742938.3, 3743938.3, 3744938.3, 3745938.3, 3746938.3, 3747938.3, 3748938.3, 3749938.3, 3750938.3,
3751938.3, 3752938.3, 3753938.3, 3754938.3, 3755938.3, 3756938.3, 3757938.3, 3758938.3, 3759938.3, 3760938.3,
3761938.3, 3762938.3, 3763938.3, 3764938.3, 3765938.3, 3766938.3, 3767938.3,

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	317.90	315.50	311.70	305.80	301.50	279.60	278.50	272.60	279.20
3766938.31	336.30	305.50	294.90	294.00	283.00	268.30	267.10	395.80	277.90
3765938.31	325.60	405.70	301.30	289.30	287.10	261.20	293.50	397.30	291.80
3764938.31	311.30	365.90	350.10	293.30	273.50	258.00	261.00	288.90	288.10
3763938.31	295.70	394.50	275.10	267.50	248.90	253.00	257.10	276.60	299.60
3762938.31	266.30	266.90	261.00	243.60	247.90	254.20	263.80	281.00	306.80
3761938.31	242.70	240.00	239.10	241.70	250.50	255.90	268.10	287.50	312.50
3760938.31	227.40	232.20	233.60	267.10	260.30	266.80	279.00	295.10	323.80
3759938.31	231.00	227.90	306.60	254.10	267.80	278.00	287.90	303.00	326.30
3758938.31	225.00	236.10	253.00	263.10	271.10	278.30	294.20	306.30	325.20
3757938.31	242.90	247.20	257.60	287.20	273.70	269.10	286.50	309.40	333.40
3756938.31	240.20	249.30	257.40	270.00	287.90	314.60	321.20	305.30	333.60
3755938.31	246.00	257.10	266.10	276.80	293.20	340.60	359.10	392.00	355.20
3754938.31	248.50	260.00	276.80	296.00	315.10	378.50	397.50	424.40	446.50
3753938.31	260.60	269.80	285.70	300.20	343.20	384.50	408.70	459.30	492.70
3752938.31	270.20	283.70	306.80	324.20	359.90	410.50	453.20	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	370.10	406.50	435.60	459.70	473.80
3750938.31	302.60	319.90	344.80	357.00	359.90	410.40	467.40	475.40	487.80
3749938.31	329.00	337.50	391.80	442.20	444.30	439.90	466.10	486.40	501.00
3748938.31	396.00	335.40	377.80	424.70	452.80	466.30	492.50	530.60	513.50
3747938.31	427.10	444.20	382.70	398.40	434.20	525.50	527.90	535.40	508.80
3746938.31	441.20	476.80	468.20	415.80	447.50	476.50	480.20	486.90	492.60
3745938.31	443.70	473.10	464.50	438.00	420.80	444.80	467.60	496.10	513.30
3744938.31	430.60	450.90	441.80	434.80	446.20	468.50	540.20	507.00	518.10
3743938.31	417.00	420.10	430.30	443.00	447.20	451.30	469.00	476.40	478.80
3742938.31	435.90	446.30	466.50	498.00	501.00	511.50	481.80	517.80	556.40
3741938.31	474.60	533.00	551.60	552.10	619.20	572.30	597.50	653.00	564.20

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	283.60	289.00	304.20	312.00	323.50	341.00	348.00	353.60	357.50
3766938.31	301.20	333.70	340.60	336.20	384.40	409.90	380.20	386.80	384.50
3765938.31	313.20	342.50	448.10	359.20	407.10	458.80	482.50	461.70	459.60
3764938.31	311.10	346.40	657.00	455.30	395.40	467.20	504.80	545.20	510.30
3763938.31	325.70	353.10	435.90	504.40	420.40	430.90	500.60	554.40	626.90
3762938.31	318.70	356.60	382.20	408.20	498.60	534.40	470.90	509.90	539.10
3761938.31	411.70	551.30	580.90	449.90	615.40	776.00	690.30	617.60	548.30
3760938.31	399.70	469.40	625.60	642.80	582.20	632.10	814.90	830.10	632.90
3759938.31	352.70	380.50	666.10	820.90	599.20	547.70	579.10	784.30	625.60
3758938.31	356.30	404.00	732.30	830.30	615.10	544.90	541.10	565.00	602.60
3757938.31	390.90	429.40	509.10	790.60	782.00	562.30	524.60	545.10	576.90
3756938.31	396.60	462.40	469.80	513.40	695.40	563.20	521.90	516.20	540.60
3755938.31	451.40	484.60	457.40	488.80	514.90	515.10	503.90	508.20	511.80
3754938.31	462.00	468.90	467.80	474.40	483.10	495.10	497.10	497.00	496.10
3753938.31	485.80	444.20	462.50	468.20	470.10	483.70	489.90	488.60	488.00
3752938.31	496.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	499.70	534.90	498.40	478.90	472.10	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	472.60	465.30	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	467.20	456.80	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	476.10	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	454.60	452.80	451.90
3746938.31	525.30	513.50	511.80	533.20	519.10	469.50	454.30	454.50	447.50
3745938.31	546.30	513.20	510.80	517.60	521.80	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	533.40	477.40	461.80	449.40	445.80
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	522.10	528.30	527.90	518.60	512.50	490.80	475.50	452.00	447.80

3741938.31	593.90	581.10	555.50	534.60	537.70	549.40	498.00	460.30	442.90

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	373.90	406.60	408.60	429.30	457.00	476.70	495.00	534.80	562.90
3765938.31	441.20	390.60	450.20	458.00	486.40	516.70	539.40	562.30	602.20
3764938.31	472.90	447.20	408.10	450.00	508.00	549.40	579.80	596.40	630.70
3763938.31	573.90	480.90	465.10	443.30	451.50	526.90	616.60	643.00	665.40
3762938.31	633.40	621.10	497.10	513.60	500.30	473.20	549.60	558.50	597.70
3761938.31	633.80	696.10	578.40	595.10	536.00	493.00	521.50	573.40	589.70
3760938.31	612.70	771.50	774.50	667.50	632.60	595.90	532.50	510.00	543.10
3759938.31	750.20	721.00	823.40	796.40	718.30	624.10	577.90	559.90	566.90
3758938.31	769.50	817.80	682.00	715.80	715.30	649.00	632.00	705.60	627.80
3757938.31	654.20	735.40	726.40	625.20	646.60	603.80	643.90	673.20	703.70
3756938.31	578.40	596.10	632.00	636.80	574.80	581.40	584.90	593.20	633.90
3755938.31	534.90	550.50	557.10	551.80	558.10	556.20	551.80	549.40	578.00
3754938.31	501.90	518.80	513.20	530.30	535.20	537.10	527.60	525.60	526.30
3753938.31	484.50	494.20	500.90	507.30	527.20	515.60	503.90	503.00	496.40
3752938.31	472.20	481.00	482.10	483.90	484.30	487.50	488.10	487.40	479.60
3751938.31	472.00	468.70	466.60	469.20	467.20	475.60	513.80	650.90	533.40
3750938.31	462.20	464.30	454.80	461.90	476.80	531.30	771.00	658.60	548.10
3749938.31	461.90	456.70	491.00	524.00	524.30	563.50	580.90	550.10	513.70
3748938.31	453.60	458.80	528.40	666.50	545.30	516.50	507.70	500.10	534.60
3747938.31	448.80	453.60	630.60	614.60	504.60	497.40	478.00	495.60	566.60
3746938.31	443.40	457.10	486.30	478.00	478.00	478.00	478.00	535.10	465.60
3745938.31	444.60	444.00	451.50	478.00	478.00	478.00	544.70	620.50	435.80
3744938.31	442.20	442.80	446.20	452.70	478.00	491.40	688.80	460.70	434.70
3743938.31	442.20	443.90	443.80	449.80	518.60	704.30	461.70	433.40	439.40
3742938.31	443.00	436.50	441.80	460.50	485.80	462.50	436.60	434.40	437.20
3741938.31	440.00	440.00	443.20	464.70	494.00	451.40	435.10	436.80	444.80

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	585.60	659.90	750.50	849.50	964.60	887.60	799.80	842.60
3766938.31	620.90	644.20	726.40	740.70	749.70	765.90	746.90	783.40	825.20
3765938.31	647.50	671.10	648.30	644.30	667.00	700.80	752.10	785.40	821.00
3764938.31	645.70	628.90	634.80	634.90	658.40	717.30	744.10	769.90	803.90
3763938.31	641.80	636.10	611.10	647.70	662.20	696.20	735.10	762.10	788.90
3762938.31	567.80	579.90	612.80	639.70	683.70	703.20	737.10	760.10	788.60
3761938.31	645.00	662.30	670.20	680.00	684.30	717.00	734.10	758.40	782.00
3760938.31	605.10	665.70	651.20	671.30	699.20	686.90	709.50	748.60	777.00
3759938.31	554.60	565.70	601.70	627.90	662.80	672.60	705.00	707.60	735.00
3758938.31	691.80	646.90	606.20	641.40	617.10	646.90	656.00	701.50	705.00
3757938.31	708.00	700.40	691.40	714.50	700.80	636.00	691.20	708.50	717.50
3756938.31	671.60	698.80	672.20	693.20	762.30	676.60	660.50	722.70	744.70
3755938.31	584.70	625.90	643.00	724.20	685.50	740.50	714.80	678.00	696.50
3754938.31	538.80	559.60	583.70	611.70	661.10	631.20	658.60	711.00	714.10
3753938.31	497.80	504.20	536.20	577.90	576.60	604.60	594.70	629.30	712.60
3752938.31	476.00	484.00	483.20	521.60	511.20	551.60	565.60	597.80	713.90
3751938.31	461.80	464.20	456.50	460.80	483.90	546.20	559.10	588.10	668.30
3750938.31	452.20	443.30	437.30	433.00	456.70	508.60	521.70	564.30	641.50
3749938.31	440.90	437.90	432.30	428.00	441.00	462.30	480.10	618.00	616.20
3748938.31	447.80	435.20	433.30	430.10	431.40	434.70	436.80	562.80	649.90
3747938.31	441.10	433.70	435.40	437.00	430.60	428.00	432.60	441.60	530.80
3746938.31	435.20	470.70	436.80	436.10	434.50	439.70	433.90	437.50	452.70
3745938.31	432.10	434.70	437.10	439.10	440.90	438.60	438.10	435.60	446.20
3744938.31	435.10	440.90	436.10	438.20	441.30	441.00	441.10	438.90	439.20
3743938.31	445.10	447.60	443.00	442.10	473.20	470.40	440.10	441.00	440.30
3742938.31	453.00	463.60	463.40	470.40	558.30	719.10	644.10	446.20	448.60
3741938.31	459.30	477.60	489.00	576.80	623.40	693.40	713.10	512.00	449.70

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	884.20	929.90	993.80	1066.90	1171.60	1243.50	1319.20	1434.80	1630.30
3766938.31	883.00	946.60	1050.80	1085.60	1198.10	1517.00	1503.00	1502.80	1502.40
3765938.31	883.90	1004.20	1177.00	1131.40	1192.90	1410.70	1471.10	1478.60	1400.30
3764938.31	850.10	947.40	1013.60	1008.70	1179.60	1281.10	1301.70	1306.10	1382.20
3763938.31	829.40	857.30	905.40	964.90	1044.10	1180.20	1202.20	1179.70	1257.70
3762938.31	822.50	865.90	944.60	1007.70	1037.60	1078.00	1127.90	1158.40	1182.30
3761938.31	809.00	878.30	953.60	1169.40	1036.50	1099.60	1048.30	1047.60	1121.70
3760938.31	787.90	883.00	940.40	982.90	1006.80	962.30	991.10	1006.40	1068.70
3759938.31	799.00	833.90	872.10	865.40	882.00	901.80	917.10	980.90	1014.00

3758938.31	739.80	775.50	823.60	827.30	844.80	866.20	876.00	896.40	973.80
3757938.31	745.50	766.60	789.80	806.10	812.70	836.20	847.10	869.00	891.20
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	796.10	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	733.70	739.00	748.20	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	698.30	742.60	758.40	806.00	784.40	793.40	782.90	776.00	774.50
3751938.31	688.50	698.30	788.50	827.60	779.20	816.00	826.50	776.50	765.50
3750938.31	637.60	658.70	761.70	746.60	753.10	763.30	778.20	767.10	824.50
3749938.31	565.10	605.60	688.00	741.70	730.60	768.40	748.50	743.00	742.90
3748938.31	600.40	581.60	634.10	689.10	721.10	712.00	735.90	695.10	721.80
3747938.31	612.80	550.40	629.60	635.50	674.00	749.80	680.90	680.10	661.60
3746938.31	475.00	519.90	658.40	668.60	636.20	659.50	635.50	626.90	644.80
3745938.31	457.70	478.30	548.30	576.50	593.60	572.70	612.10	688.50	733.30
3744938.31	445.20	446.70	455.30	487.90	797.60	730.60	713.70	991.50	924.10
3743938.31	441.00	442.60	443.20	451.00	524.60	831.50	1033.10	970.20	1073.70
3742938.31	441.80	443.80	445.20	450.00	460.10	583.10	792.30	1036.30	1119.40
3741938.31	445.60	445.70	445.30	450.20	453.60	459.80	469.30	669.80	974.60

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - LST Assessment (1hour averages) *** 12/06/12
*** Construction in 2013 with NOx Emissions (15 hr day) *** 11:32:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	677.00	570.00	311.70	305.80	301.50	279.60	331.00	406.00	735.00
3766938.31	677.00	677.00	478.00	303.00	283.00	289.00	434.00	406.00	735.00
3765938.31	677.00	478.00	518.00	478.00	287.10	429.00	434.00	434.00	735.00
3764938.31	677.00	518.00	518.00	518.00	273.50	258.00	434.00	735.00	735.00
3763938.31	677.00	518.00	518.00	518.00	248.90	253.00	257.10	735.00	758.00
3762938.31	677.00	518.00	518.00	518.00	247.90	259.00	580.00	735.00	905.00
3761938.31	518.00	518.00	518.00	373.00	250.50	255.90	580.00	905.00	932.00
3760938.31	227.40	392.00	392.00	392.00	260.30	266.80	580.00	932.00	932.00
3759938.31	231.00	392.00	392.00	392.00	267.80	278.00	905.00	932.00	932.00
3758938.31	225.00	251.00	253.00	263.10	271.10	278.30	905.00	932.00	932.00
3757938.31	242.90	247.20	257.60	343.00	319.00	294.00	905.00	932.00	932.00
3756938.31	240.20	249.30	257.40	318.00	287.90	314.60	330.00	932.00	932.00
3755938.31	246.00	257.10	266.10	276.80	432.00	432.00	359.10	404.00	932.00
3754938.31	248.50	260.00	276.80	296.00	432.00	432.00	397.50	427.00	459.00
3753938.31	260.60	269.80	337.00	300.20	372.00	401.00	408.70	459.30	492.70
3752938.31	270.20	288.00	306.80	324.20	359.90	439.00	470.00	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	374.00	498.00	498.00	466.00	473.80
3750938.31	302.60	319.90	344.80	384.00	359.90	472.00	467.40	475.40	487.80
3749938.31	411.00	337.50	458.00	458.00	446.00	448.00	466.10	486.40	501.00
3748938.31	405.00	480.00	395.00	424.70	455.00	466.30	492.50	543.00	513.50
3747938.31	428.00	456.00	498.00	398.40	559.00	559.00	537.00	535.40	508.80
3746938.31	441.20	476.80	488.00	445.00	447.50	476.50	480.20	486.90	492.60
3745938.31	445.00	478.00	468.00	438.00	420.80	450.00	467.60	496.10	513.30
3744938.31	464.00	450.90	441.80	434.80	451.00	501.00	540.20	507.00	518.10
3743938.31	417.00	422.00	430.30	632.00	633.00	633.00	661.00	685.00	478.80
3742938.31	597.00	710.00	710.00	632.00	633.00	633.00	687.00	687.00	687.00
3741938.31	710.00	710.00	710.00	736.00	633.00	602.00	661.00	680.00	734.00

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - LST Assessment (1hour averages) *** 12/06/12
*** Construction in 2013 with NOx Emissions (15 hr day) *** 11:32:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	735.00	735.00	735.00	735.00	735.00	341.00	348.00	353.60	357.50
3766938.31	735.00	735.00	735.00	735.00	735.00	481.00	563.00	634.00	642.00
3765938.31	735.00	735.00	735.00	841.00	735.00	461.00	563.00	635.00	644.00
3764938.31	735.00	758.00	735.00	735.00	941.00	941.00	941.00	941.00	941.00
3763938.31	867.00	867.00	856.00	856.00	941.00	941.00	941.00	941.00	634.00
3762938.31	932.00	932.00	941.00	941.00	941.00	941.00	941.00	941.00	941.00
3761938.31	905.00	850.00	867.00	941.00	941.00	874.00	941.00	941.00	941.00
3760938.31	932.00	932.00	905.00	905.00	941.00	941.00	941.00	941.00	941.00
3759938.31	932.00	932.00	932.00	867.00	941.00	941.00	941.00	941.00	941.00
3758938.31	932.00	932.00	932.00	905.00	932.00	941.00	941.00	941.00	941.00
3757938.31	932.00	932.00	932.00	932.00	932.00	941.00	941.00	941.00	941.00
3756938.31	932.00	932.00	932.00	932.00	932.00	932.00	941.00	941.00	890.00
3755938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	890.00
3754938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	497.00	496.10
3753938.31	485.80	932.00	932.00	932.00	932.00	932.00	489.90	488.60	488.00
3752938.31	509.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	509.00	541.00	503.00	478.90	479.00	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	479.00	490.00	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	468.00	490.00	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	478.00	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	462.00	452.80	451.90
3746938.31	566.00	513.50	511.80	536.00	519.10	469.50	454.30	454.50	457.00
3745938.31	559.00	513.20	510.80	517.60	540.00	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	548.00	477.40	461.80	449.40	447.00
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	734.00	528.30	527.90	518.60	515.00	490.80	475.50	455.00	452.00
3741938.31	734.00	734.00	555.50	534.60	537.70	549.40	597.00	460.30	442.90

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - LST Assessment (1hour averages) *** 12/06/12
*** Construction in 2013 with NOx Emissions (15 hr day) *** 11:32:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	2628.00
3766938.31	537.00	406.60	408.60	429.30	457.00	516.00	508.00	534.80	2628.00
3765938.31	644.00	537.00	495.00	525.00	493.00	516.70	539.40	588.00	645.00
3764938.31	941.00	687.00	858.00	525.00	523.00	575.00	579.80	596.40	666.00
3763938.31	687.00	941.00	858.00	858.00	858.00	623.00	625.00	643.00	677.00
3762938.31	941.00	782.00	858.00	858.00	858.00	641.00	581.00	693.00	693.00
3761938.31	941.00	858.00	858.00	858.00	858.00	858.00	555.00	616.00	654.00
3760938.31	941.00	824.00	858.00	858.00	858.00	802.00	771.00	751.00	654.00
3759938.31	887.00	890.00	833.00	829.00	802.00	771.00	771.00	774.00	774.00
3758938.31	890.00	890.00	890.00	829.00	741.00	731.00	751.00	751.00	774.00
3757938.31	890.00	890.00	890.00	890.00	684.00	603.80	738.00	774.00	774.00
3756938.31	890.00	890.00	890.00	682.00	574.80	581.40	584.90	774.00	774.00
3755938.31	890.00	890.00	890.00	721.00	558.10	556.20	551.80	549.40	607.00
3754938.31	890.00	890.00	518.00	530.30	617.00	537.10	527.60	525.60	528.00
3753938.31	484.50	494.20	500.90	617.00	617.00	615.00	811.00	811.00	777.00
3752938.31	472.20	481.00	482.10	483.90	811.00	811.00	811.00	811.00	811.00
3751938.31	472.00	468.70	466.60	798.00	811.00	811.00	811.00	811.00	811.00
3750938.31	462.20	741.00	777.00	798.00	811.00	811.00	798.00	811.00	811.00
3749938.31	766.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00	811.00
3748938.31	777.00	777.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00
3747938.31	777.00	777.00	777.00	777.00	777.00	810.00	811.00	810.00	804.00
3746938.31	777.00	777.00	777.00	777.00	810.00	810.00	810.00	810.00	810.00
3745938.31	444.60	777.00	777.00	810.00	810.00	810.00	810.00	810.00	810.00
3744938.31	442.20	442.80	757.00	810.00	810.00	810.00	810.00	810.00	810.00
3743938.31	442.20	443.90	757.00	810.00	810.00	757.00	810.00	810.00	810.00
3742938.31	443.00	436.50	757.00	757.00	810.00	810.00	810.00	810.00	810.00
3741938.31	440.00	443.00	757.00	757.00	757.00	810.00	810.00	810.00	444.80

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - LST Assessment (1hour averages) *** 12/06/12
*** Construction in 2013 with NOx Emissions (15 hr day) *** 11:32:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3766938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3765938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3764938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3763938.31	668.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3762938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3761938.31	686.00	678.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3760938.31	697.00	685.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3759938.31	769.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3758938.31	755.00	762.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3757938.31	769.00	764.00	764.00	748.00	2628.00	2628.00	2628.00	2628.00	2628.00
3756938.31	760.00	761.00	764.00	763.00	794.00	2628.00	2628.00	2628.00	2628.00
3755938.31	760.00	760.00	683.00	727.00	794.00	768.00	2628.00	2628.00	2628.00
3754938.31	546.00	639.00	627.00	727.00	711.00	768.00	2628.00	2628.00	2628.00
3753938.31	777.00	569.00	596.00	581.00	692.00	653.00	2628.00	2628.00	2628.00
3752938.31	811.00	777.00	575.00	529.00	628.00	615.00	625.00	771.00	746.00
3751938.31	811.00	777.00	461.00	460.80	578.00	546.20	592.00	746.00	709.00
3750938.31	811.00	811.00	437.30	433.00	456.70	518.00	713.00	713.00	680.00
3749938.31	811.00	811.00	432.30	428.00	441.00	713.00	713.00	713.00	713.00
3748938.31	811.00	729.00	729.00	432.00	439.00	713.00	713.00	713.00	663.00
3747938.31	804.00	804.00	729.00	437.00	430.60	428.00	713.00	713.00	663.00
3746938.31	810.00	804.00	599.00	436.10	434.50	439.70	433.90	653.00	663.00
3745938.31	810.00	804.00	437.10	439.10	796.00	796.00	438.10	435.60	446.20
3744938.31	810.00	804.00	436.10	796.00	796.00	796.00	796.00	796.00	439.20
3743938.31	810.00	447.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3742938.31	453.00	463.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3741938.31	459.30	477.60	796.00	796.00	796.00	796.00	781.00	796.00	796.00

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - LST Assessment (1hour averages) *** 12/06/12
*** Construction in 2013 with NOx Emissions (15 hr day) *** 11:32:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3766938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3765938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3764938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3763938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3762938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3761938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3760938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3759938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3758938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3757938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3756938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3755938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3754938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3753938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00
3752938.31	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00	2628.00

3751938.31	702.00	859.00	869.00	869.00	2628.00	2628.00	2628.00	2628.00	2628.00
3750938.31	679.00	869.00	799.00	869.00	792.00	773.00	791.00	2628.00	936.00
3749938.31	782.00	860.00	774.00	749.00	819.00	819.00	753.00	936.00	936.00
3748938.31	644.00	670.00	716.00	711.00	783.00	783.00	745.00	748.00	726.00
3747938.31	618.00	800.00	800.00	800.00	830.00	830.00	1129.00	1147.00	1220.00
3746938.31	800.00	800.00	800.00	800.00	1147.00	1147.00	1220.00	1220.00	1220.00
3745938.31	800.00	1133.00	1133.00	1147.00	1220.00	1220.00	1220.00	1220.00	1220.00
3744938.31	1129.00	1147.00	1168.00	1220.00	1133.00	1220.00	1220.00	1016.00	1220.00
3743938.31	1133.00	1168.00	1220.00	1220.00	1220.00	1168.00	1133.00	1168.00	1078.00
3742938.31	1133.00	1168.00	1220.00	1220.00	1220.00	1220.00	1220.00	1168.00	1168.00
3741938.31	1133.00	1168.00	1220.00	1220.00	1220.00	1220.00	1220.00	1220.00	1220.00

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

484551.7, 484651.7, 484751.7, 484851.7, 484951.7, 485051.7, 485151.7, 485251.7, 485351.7, 485451.7,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.4, 3751034.4, 3751134.4, 3751234.4, 3751334.4, 3751434.4, 3751534.4, 3751634.4, 3751734.4, 3751834.4,
3751934.4, 3752034.4, 3752134.4, 3752234.4, 3752334.4, 3752434.4, 3752534.4, 3752634.4, 3752734.4, 3752834.4,
3752934.4, 3753034.4, 3753134.4, 3753234.4, 3753334.4, 3753434.4, 3753534.4, 3753634.4, 3753734.4, 3753834.4,
3753934.4, 3754034.4, 3754134.4, 3754234.4, 3754334.4, 3754434.4, 3754534.4, 3754634.4,

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	524.70	525.20	523.10	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	523.30	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	521.50	520.70	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	518.70	518.40	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	516.90	518.10	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	518.10	514.80	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	517.70	512.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	515.80	511.30	512.10	511.60	512.10	508.80	506.80	509.90	509.10
3753834.43	510.50	509.90	507.90	511.00	507.90	508.00	508.50	506.70	502.40
3753734.43	507.90	507.90	506.50	506.80	505.40	503.10	508.40	504.90	503.30
3753634.43	505.40	508.10	501.40	503.70	503.70	503.30	503.20	503.00	502.00
3753534.43	502.40	500.60	501.10	505.00	504.30	501.80	501.10	498.80	499.90
3753434.43	498.20	500.10	501.50	501.30	502.50	501.60	499.50	497.50	498.00
3753334.43	498.80	499.20	497.80	498.20	498.30	499.50	497.40	496.00	496.90
3753234.43	496.80	496.00	496.70	497.80	496.40	495.20	496.20	494.90	496.00
3753134.43	498.10	497.00	494.60	493.00	495.50	495.30	497.10	492.90	491.50
3753034.43	494.30	493.10	494.60	493.00	494.00	492.80	493.70	491.30	491.10
3752934.43	487.60	488.10	490.80	488.60	490.80	489.70	490.10	490.20	488.40
3752834.43	488.90	488.00	489.10	488.80	488.50	487.50	487.80	490.40	486.40
3752734.43	486.30	487.90	485.40	485.50	485.30	487.90	484.30	486.00	484.80
3752634.43	486.90	484.10	487.00	485.90	483.90	490.10	488.80	486.00	483.20
3752534.43	483.40	482.40	478.60	483.50	481.50	482.10	483.90	481.50	482.60
3752434.43	480.00	484.30	482.60	483.00	481.10	477.10	483.10	479.20	483.50
3752334.43	478.40	481.10	480.70	479.00	480.30	479.30	481.40	480.90	483.80
3752234.43	475.80	477.00	481.50	478.90	478.30	472.50	481.10	479.50	483.70
3752134.43	475.40	478.80	479.20	479.80	480.70	479.50	480.70	485.90	491.70
3752034.43	480.20	481.20	476.20	478.10	482.00	478.70	482.40	487.10	493.80
3751934.43	475.60	477.20	479.30	478.60	479.40	482.60	487.80	490.10	497.20
3751834.43	475.90	478.80	480.40	483.60	480.90	486.20	491.70	498.90	506.50
3751734.43	482.60	483.70	490.40	491.10	488.70	490.80	495.50	501.30	512.70
3751634.43	487.30	492.60	492.30	493.50	495.90	493.70	501.30	512.90	527.00
3751534.43	490.70	494.00	501.90	502.10	505.60	504.10	514.20	535.70	561.00
3751434.43	495.40	502.10	507.10	510.40	512.40	522.30	540.90	563.70	601.20
3751334.43	500.20	504.10	509.30	515.40	516.70	531.00	556.50	596.00	635.10
3751234.43	504.80	510.60	515.40	521.50	530.10	547.10	570.50	612.20	650.20
3751134.43	512.40	513.00	516.40	540.90	547.30	559.70	574.00	609.80	636.10
3751034.43	514.10	518.70	538.20	566.60	558.70	570.80	594.70	631.60	660.00
3750934.43	532.10	531.70	564.30	576.10	577.60	587.10	618.00	658.00	693.50

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	516.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30

3754034.43	507.50
3753934.43	507.60
3753834.43	504.10
3753734.43	502.70
3753634.43	500.40
3753534.43	500.80
3753434.43	497.40
3753334.43	496.10
3753234.43	494.70
3753134.43	492.30
3753034.43	491.70
3752934.43	485.90
3752834.43	487.20
3752734.43	485.10
3752634.43	485.10
3752534.43	484.10
3752434.43	485.40
3752334.43	484.70
3752234.43	491.00
3752134.43	493.80
3752034.43	502.20
3751934.43	504.90
3751834.43	515.40
3751734.43	523.90
3751634.43	548.80
3751534.43	594.90
3751434.43	642.40
3751334.43	689.90
3751234.43	687.90
3751134.43	679.30
3751034.43	697.10
3750934.43	732.40

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - LST Assessment (1hour averages) *** 12/06/12
*** Construction in 2013 with NOx Emissions (15 hr day) *** 11:32:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	615.00	527.00	526.00	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	615.00	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	616.00	615.00	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	616.00	615.00	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	616.00	615.00	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	616.00	615.00	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	615.00	615.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	615.00	559.00	512.10	511.60	512.10	508.80	811.00	811.00	811.00
3753834.43	615.00	559.00	507.90	511.00	811.00	811.00	811.00	811.00	811.00
3753734.43	613.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3750934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - LST Assessment (1hour averages) *** 12/06/12
*** Construction in 2013 with NOx Emissions (15 hr day) *** 11:32:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	520.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	811.00
3753934.43	811.00

```
 3753834.43 |        811.00
 3753734.43 |        811.00
 3753634.43 |        811.00
 3753534.43 |        811.00
 3753434.43 |        811.00
 3753334.43 |        811.00
 3753234.43 |        811.00
 3753134.43 |        811.00
 3753034.43 |        811.00
 3752934.43 |        811.00
 3752834.43 |        811.00
 3752734.43 |        811.00
 3752634.43 |        811.00
 3752534.43 |        811.00
 3752434.43 |        811.00
 3752334.43 |        811.00
 3752234.43 |        811.00
 3752134.43 |        811.00
 3752034.43 |        811.00
 3751934.43 |        811.00
 3751834.43 |        811.00
 3751734.43 |        811.00
 3751634.43 |        811.00
 3751534.43 |        811.00
 3751434.43 |        811.00
 3751334.43 |        811.00
 3751234.43 |        811.00
 3751134.43 |        811.00
 3751034.43 |        811.00
 3750934.43 |        811.00
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - LST Assessment (1hour averages)             ***        12/06/12
                                    *** Construction in 2013 with NOx Emissions (15 hr day)                  ***        11:32:47
                                                                                                                        PAGE  24
 **MODELOPTs:  NonDFAULT CONC                                                  ELEV
                         FASTALL                                                      OLM

                                         *** GRIDDED RECEPTOR NETWORK SUMMARY ***

                                  *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                          *** X-COORDINATES OF GRID ***
                                                    (METERS)

       485549.5,  485649.5,  485749.5,  485849.5,

                                          *** Y-COORDINATES OF GRID ***
                                                    (METERS)

      3750934.9, 3751034.9, 3751134.9, 3751234.9, 3751334.9, 3751434.9, 3751534.9, 3751634.9, 3751734.9, 3751834.9,
      3751934.9, 3752034.9, 3752134.9, 3752234.9, 3752334.9, 3752434.9, 3752534.9, 3752634.9, 3752734.9, 3752834.9,
      3752934.9, 3753034.9, 3753134.9, 3753234.9, 3753334.9, 3753434.9,
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - LST Assessment (1hour averages)             ***        12/06/12
                                    *** Construction in 2013 with NOx Emissions (15 hr day)                  ***        11:32:47
                                                                                                                        PAGE  25
 **MODELOPTs:  NonDFAULT CONC                                                  ELEV
                         FASTALL                                                      OLM

                                  *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                                * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                          X-COORD (METERS)
    (METERS) |     485549.47    485649.47    485749.47    485849.47
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3753434.90 |        497.00       494.70       493.80       492.50
 3753334.90 |        495.20       494.30       494.20       494.90
 3753234.90 |        493.20       495.50       492.40       492.80
 3753134.90 |        490.00       490.70       490.50       489.50
 3753034.90 |        490.20       491.70       489.20       490.10
 3752934.90 |        488.20       488.60       486.50       488.00
 3752834.90 |        489.00       487.30       488.80       488.50
 3752734.90 |        488.90       487.30       487.40       486.30
 3752634.90 |        486.00       486.60       486.90       486.00
 3752534.90 |        486.00       484.20       484.00       486.00
 3752434.90 |        485.70       485.00       488.10       493.30
 3752334.90 |        489.50       491.30       494.00       502.10
 3752234.90 |        493.50       496.70       497.00       506.50
 3752134.90 |        498.50       502.00       503.90       507.60
 3752034.90 |        508.20       508.10       511.20       522.80
 3751934.90 |        513.90       513.00       519.30       532.40
 3751834.90 |        518.10       529.70       538.40       559.00
 3751734.90 |        531.80       533.60       558.40       605.00
 3751634.90 |        557.00       570.60       588.90       622.30
 3751534.90 |        599.00       611.20       626.10       628.30
 3751434.90 |        659.50       664.00       669.40       643.70
 3751334.90 |        702.50       703.50       696.20       663.60
 3751234.90 |        708.30       736.50       713.70       692.00
 3751134.90 |        720.70       748.90       725.50       720.30
 3751034.90 |        744.10       769.60       738.00       734.40
 3750934.90 |        771.00       782.40       753.40       754.20
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - LST Assessment (1hour averages)             ***        12/06/12
                                    *** Construction in 2013 with NOx Emissions (15 hr day)                  ***        11:32:47
                                                                                                                        PAGE  26
 **MODELOPTs:  NonDFAULT CONC                                                  ELEV
                         FASTALL                                                      OLM

                                  *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                                * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                          X-COORD (METERS)
    (METERS) |     485549.47    485649.47    485749.47    485849.47
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3753434.90 |        811.00       811.00       811.00       811.00
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 3753334.90 |        811.00       811.00       811.00       811.00
 3753234.90 |        811.00       811.00       811.00       811.00
 3753134.90 |        811.00       811.00       811.00       811.00
 3753034.90 |        811.00       811.00       811.00       811.00
 3752934.90 |        811.00       811.00       811.00       811.00
 3752834.90 |        811.00       811.00       811.00       811.00
 3752734.90 |        811.00       811.00       811.00       811.00
 3752634.90 |        811.00       811.00       811.00       811.00
 3752534.90 |        811.00       811.00       811.00       811.00
 3752434.90 |        811.00       811.00       811.00       811.00
 3752334.90 |        811.00       811.00       811.00       811.00
 3752234.90 |        811.00       811.00       811.00       811.00
 3752134.90 |        811.00       811.00       811.00       811.00
 3752034.90 |        811.00       811.00       811.00       811.00
 3751934.90 |        811.00       811.00       811.00       811.00
 3751834.90 |        811.00       811.00       811.00       811.00
 3751734.90 |        811.00       811.00       811.00       811.00
 3751634.90 |        811.00       811.00       811.00       811.00
 3751534.90 |        811.00       811.00       811.00       811.00
 3751434.90 |        811.00       811.00       811.00       811.00
 3751334.90 |        811.00       811.00       811.00       811.00
 3751234.90 |        811.00       811.00       811.00       811.00
 3751134.90 |        811.00       811.00       811.00       811.00
 3751034.90 |        811.00       798.00       811.00       811.00
 3750934.90 |        798.00       798.00       811.00       811.00
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 **MODELOPTS:  NonDFAULT CONC                                        ELEV
                         FASTALL                                           OLM

                                   *** DISCRETE CARTESIAN RECEPTORS ***
                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                          (METERS)

     ( 485619.4, 3753969.7,     505.7,     811.0,       0.0);         ( 485713.0, 3753961.9,     506.6,     811.0,       0.0);
     ( 487190.8, 3754410.3,     509.4,     776.0,       0.0);         ( 487194.8, 3754289.5,     507.2,     777.0,       0.0);
     ( 487268.8, 3754090.6,     503.1,     777.0,       0.0);         ( 487483.3, 3754102.3,     502.0,     777.0,       0.0);
```



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 **MODELOPTS:  NonDFAULT CONC                                        ELEV
                         FASTALL                                           OLM

                                   *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                          (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                   *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                (METERS/SEC)

                                          1.54,   3.09,   5.14,   8.23,  10.80,
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 **MODELOPTS:  NonDFAULT CONC                                        ELEV
                         FASTALL                                           OLM

                                   *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

   Surface file:   RIVR2.SFC                                                                    Met Version:  11059
   Profile file:   RIVR2.PFL
   Surface format: FREE
   Profile format: FREE
   Surface station no.:        2                  Upper air station no.:     3190
                  Name: UNKNOWN                                   Name: UNKNOWN
                  Year:   2005                                    Year:   2005

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN ALBEDO  REF WS   WD     HT  REF TA     HT
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 05 01 01   1 01   -7.5  0.135 -9.000 -9.000 -999.  115.     29.0  0.39   1.00   1.00    1.60  338.    9.1  279.2    5.5
 05 01 01   1 02   -2.2  0.057 -9.000 -9.000 -999.   34.      7.4  0.39   1.00   1.00    0.90  264.    9.1  279.2    5.5
 05 01 01   1 03   -4.0  0.070 -9.000 -9.000 -999.   42.      7.4  0.39   1.00   1.00    1.10   54.    9.1  278.8    5.5
 05 01 01   1 04   -1.6  0.044 -9.000 -9.000 -999.   21.      4.7  0.39   1.00   1.00    0.70  360.    9.1  278.8    5.5
 05 01 01   1 05   -2.7  0.063 -9.000 -9.000 -999.   37.      8.2  0.39   1.00   1.00    1.00  318.    9.1  278.1    5.5
 05 01 01   1 06   -2.8  0.070 -9.000 -9.000 -999.   42.     10.5  0.39   1.00   1.00    1.10   53.    9.1  277.5    5.5
 05 01 01   1 07   -3.8  0.070 -9.000 -9.000 -999.   42.      7.7  0.39   1.00   1.00    1.10  134.    9.1  278.8    5.5
 05 01 01   1 08   -2.3  0.057 -9.000 -9.000 -999.   31.      7.0  0.39   1.00   0.53    0.90  319.    9.1  278.8    5.5
 05 01 01   1 09   29.7  0.193  0.388  0.005   69.  195.    -21.1  0.39   1.00   0.32    1.20  110.    9.1  282.0    5.5
 05 01 01   1 10   78.5  0.248  1.193  0.005  760.  285.    -17.1  0.39   1.00   0.25    1.50  107.    9.1  284.2    5.5
 05 01 01   1 11  118.9  0.316  1.511  0.007 1020.  409.    -23.3  0.39   1.00   0.22    2.00  122.    9.1  285.9    5.5
 05 01 01   1 12  132.2  0.238  1.665  0.009 1227.  270.     -9.0  0.39   1.00   0.21    1.30  154.    9.1  287.0    5.5
 05 01 01   1 13   80.9  0.249  1.421  0.009 1245.  286.    -16.8  0.39   1.00   0.21    1.50  166.    9.1  287.0    5.5
 05 01 01   1 14   80.7  0.305  1.427  0.009 1263.  388.    -31.0  0.39   1.00   0.23    2.00  235.    9.1  287.5    5.5
 05 01 01   1 15   36.6  0.321  1.098  0.009 1270.  419.    -79.5  0.39   1.00   0.26    2.30  305.    9.1  286.4    5.5
 05 01 01   1 16    1.2  0.206  0.354  0.009 1271.  221.   -629.7  0.39   1.00   0.35    1.60  292.    9.1  285.9    5.5
 05 01 01   1 17  -11.9  0.181 -9.000 -9.000 -999.  178.     44.1  0.39   1.00   0.63    1.90  280.    9.1  285.4    5.5
 05 01 01   1 18  -17.1  0.313 -9.000 -9.000 -999.  404.    158.3  0.39   1.00   1.00    2.70  304.    9.1  284.2    5.5
 05 01 01   1 19   -8.7  0.159 -9.000 -9.000 -999.  161.     40.6  0.39   1.00   1.00    1.70  311.    9.1  283.8    5.5
 05 01 01   1 20   -3.8  0.070 -9.000 -9.000 -999.   48.      7.8  0.39   1.00   1.00    1.10   13.    9.1  283.1    5.5
 05 01 01   1 21   -4.7  0.076 -9.000 -9.000 -999.   48.      8.2  0.39   1.00   1.00    1.20    8.    9.1  282.0    5.5
 05 01 01   1 22   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80  183.    9.1  280.9    5.5
 05 01 01   1 23   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   16.    9.1  280.4    5.5
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05 01 01   1 24   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   62.    9.1  279.9    5.5


First hour of profile data
YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
05 01 01 01    5.5 0 -999.  -99.00   279.3   99.0  -99.00  -99.00
05 01 01 01    9.1 1  338.    1.60  -999.0   99.0  -99.00  -99.00

F indicates top of profile (=1) or below (=0)
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - LST Assessment (1hour averages)            ***        12/06/12
                                 *** Construction in 2013 with NOx Emissions (15 hr day)                  ***        11:32:47
                                                                                                                      PAGE  30
**MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL                                                  OLM

   *** THE   1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     AREA1       , AREA2       ,

                                *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                     ** CONC OF NO2      IN MICROGRAMS/M**3                          **

   Y-COORD  |                                          X-COORD (METERS)
   (METERS) |     461553.03    462553.03    463553.03    464553.03    465553.03    466553.03    467553.03    468553.03    469553.03
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3767938.31 |      42.97304     46.84300     52.98820     55.89970     50.42011     47.77783     45.39863     42.76144     44.76118
 3766938.31 |      40.31315     38.88319     46.22304     49.80691     56.82838     55.45077     50.80826     51.48223     45.59436
 3765938.31 |      40.11769     44.56287     41.50193     42.28817     50.16201     54.21831     60.27938     57.80339     52.73324
 3764938.31 |      38.46137     43.82923     43.64667     43.64499     43.30672     46.47952     53.54951     61.05107     61.67006
 3763938.31 |      35.55323     39.76767     38.85928     43.36776     43.73793     45.69034     45.35907     53.05307     59.70720
 3762938.31 |      35.71890     36.28305     36.97674     38.15756     39.46897     45.73856     47.79731     49.10941     50.21857
 3761938.31 |      37.19376     38.48334     38.27859     38.33386     39.47595     40.95777     42.62936     50.06444     54.19048
 3760938.31 |      38.56119     39.57844     39.22511     41.73845     43.11336     43.20942     43.46066     45.87812     49.38011
 3759938.31 |      39.33641     40.76101     45.16641     44.35707     45.04801     45.26134     47.60086     49.87637     51.51628
 3758938.31 |      40.54738     40.10342     40.93988     41.49403     44.05816     48.49742     51.88182     52.68644     54.53050
 3757938.31 |      46.49927     45.63890     45.25449     46.28786     47.30090     46.99310     46.61776     47.80082     54.67483
 3756938.31 |      41.39545     44.89850     48.68553     52.48782     54.34264     55.38319     55.26438     53.74433     52.56930
 3755938.31 |      39.00041     40.33845     41.54533     42.68778     45.23393     50.27863     54.50480     59.44321     62.07398
 3754938.31 |      35.65377     37.01352     38.96161     41.15235     43.54536     47.77220     50.77155     54.46587     59.43319
 3753938.31 |      35.75572     37.15753     38.86124     40.69461     43.64618     46.98494     50.20295     55.07228     59.80883
 3752938.31 |      38.60295     40.26013     42.34092     44.44388     47.82986     52.25486     57.18403     62.10171     66.56183
 3751938.31 |      41.98759     43.57131     45.75172     48.90790     53.02813     57.41989     61.73296     65.90914     69.38963
 3750938.31 |      43.09818     43.98914     44.85527     46.74139     49.54442     52.73337     55.35526     55.59426     55.17369
 3749938.31 |      41.70368     42.00767     42.72144     42.51730     41.08722     42.95081     45.98344     48.23740     54.54227
 3748938.31 |      35.24286     34.42282     35.86691     37.06513     39.49568     43.26450     48.59240     69.62092     65.45764
 3747938.31 |      33.40751     36.65046     37.60550     40.60218     44.26139     56.58011     57.67526     59.61012     57.50538
 3746938.31 |      38.91934     41.65135     43.97967     42.95722     45.64669     47.18874     44.99810     44.39859     43.69688
 3745938.31 |      39.59028     42.11620     41.74008     38.87860     37.65812     36.30945     39.81823     48.57020     60.28213
 3744938.31 |      35.27891     35.29945     33.59224     31.78822     37.82512     46.27002     60.33118     59.03701     74.06318
 3743938.31 |      28.76797     29.97072     36.63788     42.80026     48.23782     54.28764     59.04374     55.36217     64.74945
 3742938.31 |      36.01577     40.75854     46.45240     49.18457     55.01679     51.83394     57.66627     68.64704     73.40700
 3741938.31 |      44.42187     46.39417     58.10015     50.58595     50.79877     64.16889     62.35221     57.89039     65.85224
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - LST Assessment (1hour averages)            ***        12/06/12
                                 *** Construction in 2013 with NOx Emissions (15 hr day)                  ***        11:32:47
                                                                                                                      PAGE  31
**MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL                                                  OLM

   *** THE   1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     AREA1       , AREA2       ,

                                *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                     ** CONC OF NO2      IN MICROGRAMS/M**3                          **

   Y-COORD  |                                          X-COORD (METERS)
   (METERS) |     470553.03    471553.03    472553.03    473553.03    474553.03    475553.03    476553.03    477553.03    478553.03
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3767938.31 |      44.57680     48.18265     49.57238     55.39403     69.27390     58.16728     49.91899     57.95186     64.54020
 3766938.31 |      48.45431     48.22046     51.93825     53.98532     63.50477     72.20614     58.25964     53.44592     65.45336
 3765938.31 |      50.56393     52.85824     55.53309     54.55376     60.26279     72.53234     77.30018     62.61075     63.83891
 3764938.31 |      56.54958     54.29609     67.72127     59.69117     59.95641     67.69068     79.64215     87.83549     83.60889
 3763938.31 |      66.66173     62.83740     61.78486     70.20005     64.94806     66.83130     79.00794     86.46346     86.57552
 3762938.31 |      60.32366     68.07459     70.15226     62.42435     71.37813     89.24023     75.47176     85.91364     88.45572
 3761938.31 |      56.96783     78.14490     72.58582     74.65774     78.36519     65.61306     77.06155     82.67152     90.34399
 3760938.31 |      56.56905     63.20391     76.18363     73.31952     82.58550     80.71321     67.54026     75.25153     85.37851
 3759938.31 |      53.45519     56.74172     64.25901     58.00087     84.58859     85.01450     89.12889     78.35536     85.22733
 3758938.31 |      58.15008     62.29757     56.11041     57.06934     75.82209     86.84890     88.12888     88.92604     91.65333
 3757938.31 |      63.72095     69.09976     73.70043     53.44937     59.79152     84.14548     83.96579     89.44998     90.50963
 3756938.31 |      55.78031     58.71730     60.34107     79.84998     73.58669     86.99343     88.11367     89.98715     89.40362
 3755938.31 |      68.44367     70.95683     71.20432     71.83159     77.15658     80.17278     84.39057     88.66490     91.84768
 3754938.31 |      64.09608     68.21181     72.43709     74.55645     78.16368     79.98254     83.05298     84.03677     84.51134
 3753938.31 |      62.06073     63.47121     67.13121     70.75546     74.81440     78.35194     82.09189     86.52885     89.39187
 3752938.31 |      70.46183     75.66682     78.42826     80.49299     84.76954     86.32760     87.89670     89.71632     91.81363
 3751938.31 |      70.33466     79.68680     70.65414     69.57891     71.01383     73.68612     79.19795     84.64987     87.59782
 3750938.31 |      62.55423     72.03628     76.00155     62.98047     70.11585     75.10342     80.53732     83.21808     87.37912
 3749938.31 |      77.59705     81.99857     79.58856     67.31214     73.13970     78.11113     78.45452     79.49388     88.77427
 3748938.31 |      67.72093     71.24137     73.52647     67.71577     60.86190     71.79192     84.52355     86.65569     87.29454
 3747938.31 |      69.11698     62.49982     56.18201     70.05472     78.69794     81.51559     81.52321     85.57827     85.50109
 3746938.31 |      54.85687     64.56657     75.98795     86.09532     80.05665     79.72915     79.96663     78.15640     84.95364
 3745938.31 |      76.83592     77.64655     67.74783     80.08253     84.93987     70.91417     70.13042     81.38413     80.91545
 3744938.31 |      62.10014     71.12159     75.84145     74.50777     83.33056     66.33239     75.97462     73.15035     83.85165
 3743938.31 |      68.88718     64.79687     63.03275     65.99361     69.61050     71.45693     66.60630     79.08039     74.75078
 3742938.31 |      65.61200     76.27817     57.95516     67.92158     78.56402     61.35744     72.99981     66.61332     68.61457
 3741938.31 |      67.70511     55.51386     72.19049     79.47298     77.76952     85.26719     64.87653     62.68915     74.43790
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - LST Assessment (1hour averages)            ***        12/06/12
                                 *** Construction in 2013 with NOx Emissions (15 hr day)                  ***        11:32:47
                                                                                                                      PAGE  32
**MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL                                                  OLM

   *** THE   1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     AREA1       , AREA2       ,
```

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	52.06683	67.36635	61.18263	63.14493	76.92271	83.83462	81.00853	76.01685	87.10711
3766938.31	66.53927	68.98531	63.41032	73.30242	78.09870	85.35033	82.75836	89.32231	88.57242
3765938.31	73.58393	62.04934	79.74856	80.88680	76.77769	88.50235	90.32296	89.20937	87.72142
3764938.31	72.61141	76.07985	82.27012	79.33661	86.53007	98.42894	90.87511	88.79807	86.94939
3763938.31	85.90998	80.83494	74.15287	84.25212	86.12298	100.59269	90.44997	87.78820	85.98426
3762938.31	86.56834	82.95103	87.35982	90.86857	89.94549	96.31723	96.11372	99.33772	92.09369
3761938.31	88.60088	83.87873	90.21825	86.94752	94.77146	97.02389	99.53630	100.19931	97.27374
3760938.31	89.53216	87.76637	85.24852	90.27666	91.50061	94.57368	107.81794	108.89889	106.70545
3759938.31	85.34158	87.50990	89.30106	87.46103	88.59430	96.29035	108.89232	114.04249	106.16472
3758938.31	85.56248	90.02063	90.26220	92.62256	93.39905	94.49353	106.01035	108.65565	101.81532
3757938.31	89.01407	88.81657	92.70612	95.39383	96.00980	96.71874	107.08794	112.89277	99.11490
3756938.31	90.58374	93.25954	96.52783	96.07490	106.25254	106.34970	111.46748	124.12440	111.41750
3755938.31	95.25159	96.95724	98.48879	105.83350	112.49665	120.35941	131.13383	149.94664	132.81711
3754938.31	86.85841	94.09552	102.19840	108.62738	115.32972	129.01559	166.28730	201.74398	218.80607
3753938.31	91.86996	95.18173	102.97591	112.06665	118.07043	134.91721	175.42773	297.00702	245.52869
3752938.31	93.95008	96.38362	99.20946	103.89059	112.20711	135.14249	175.06438	253.90519	215.59524
3751938.31	88.97171	90.81648	96.15155	105.16821	114.91959	127.26876	163.57968	121.55318	153.00221
3750938.31	87.86230	94.36539	98.29707	100.44309	108.90325	121.52587	125.94351	108.74932	128.07633
3749938.31	90.79455	92.63720	95.68121	105.85044	108.46091	112.27924	113.40769	116.55096	119.64433
3748938.31	87.93607	90.44132	97.66839	90.43335	106.93139	129.71299	108.01588	108.65408	110.98725
3747938.31	87.44501	88.41965	89.66902	93.32787	102.72887	105.16811	97.70422	98.63908	105.69507
3746938.31	85.87351	88.40409	88.59495	90.83080	98.91721	94.24761	93.96501	102.10712	99.79508
3745938.31	86.31045	85.68185	88.71972	88.59460	90.13473	90.68685	98.58440	91.74455	96.66525
3744938.31	81.77176	86.26913	84.27724	88.68529	88.11021	86.19684	88.53925	88.76616	94.25354
3743938.31	80.76252	85.21363	83.59715	86.71240	91.21156	77.84404	87.56095	86.82516	89.68427
3742938.31	80.00038	74.40536	82.33079	82.89664	85.63897	83.19536	85.82675	85.38683	86.21034
3741938.31	71.18503	76.53163	81.66497	83.84619	81.30686	82.15578	83.46500	80.00531	84.82965

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 , AREA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	80.39657	80.07015	76.98447	69.73671	62.99361	54.16995	60.83124	47.56003	51.74523
3766938.31	75.45166	77.31570	73.51076	75.78739	71.73007	70.56720	65.66323	58.09486	53.82797
3765938.31	75.18883	79.33970	78.76755	85.73736	75.32191	78.15640	62.31495	56.82194	58.28246
3764938.31	75.84751	85.49378	90.72476	86.06896	82.65803	71.72065	68.21203	65.04485	59.51473
3763938.31	83.00942	84.81184	94.45896	86.27274	85.82734	81.58387	69.13384	68.06954	69.30890
3762938.31	92.39648	95.70965	90.05812	88.17870	83.69416	81.14092	74.97877	75.59425	66.61970
3761938.31	90.57425	98.70303	88.49378	88.29082	86.47791	80.21415	84.03294	74.63950	70.87596
3760938.31	96.07358	94.81952	95.99020	91.81014	87.74018	88.06306	83.55036	80.29669	75.21460
3759938.31	106.37255	105.46334	100.74495	99.35420	93.58203	90.32657	85.89204	85.42172	80.61786
3758938.31	105.62532	115.81680	107.30662	104.33395	102.91586	94.32436	88.75405	85.27413	82.34354
3757938.31	116.31964	107.09212	117.26249	108.73747	103.76558	92.90631	93.67006	86.10965	82.18896
3756938.31	123.25163	144.01637	126.32907	116.67921	104.00873	98.69604	88.64514	86.52289	85.96962
3755938.31	173.41272	145.53481	127.53662	124.11637	111.03613	100.15112	90.03601	87.72069	85.78673
3754938.31	178.78550	165.64900	141.37994	120.14816	112.66547	99.92591	90.69167	85.94536	82.76241
3753938.31	200.77847	179.56226	157.36137	128.57234	119.71617	99.77457	98.48311	93.25606	86.58144
3752938.31	209.50717	186.66337	165.60073	152.80567	138.78602	122.94243	106.20104	91.35583	85.94394
3751938.31	139.75749	155.63558	149.76069	139.09626	123.29581	143.12768	120.54191	106.08284	86.85640
3750938.31	122.16184	117.90306	127.63423	127.69137	119.94367	129.85800	118.45617	110.30011	87.62081
3749938.31	110.65985	108.24376	104.29475	110.45519	109.39025	99.76792	95.32086	96.15765	92.76446
3748938.31	104.99496	103.83131	100.89651	98.72884	99.56653	98.39479	91.37425	99.84073	87.30193
3747938.31	100.37285	98.82065	100.78727	92.96758	90.43941	90.22844	87.79819	86.64683	100.17125
3746938.31	92.44395	95.88823	93.89835	91.54627	89.43997	86.23526	88.20248	84.82440	85.51261
3745938.31	89.63140	91.40705	89.33534	87.75733	87.66629	86.93481	83.60467	84.73621	82.87158
3744938.31	86.92157	88.96270	87.58196	88.09303	87.40065	86.28468	83.47091	76.71940	80.20425
3743938.31	82.36893	86.02700	86.30917	85.90342	85.10422	86.47931	84.88376	78.49838	71.16042
3742938.31	79.70064	84.30008	86.04350	85.15293	90.23364	76.40345	83.84666	76.95665	73.53310
3741938.31	78.43165	78.11553	81.81724	90.20319	86.10128	79.86136	77.67896	84.86178	72.94268

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 , AREA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	49.97205	49.99132	46.76194	38.45320	35.26855	26.70288	20.19898	18.37800	6.09118
3766938.31	53.24375	48.01676	43.07865	42.30359	33.25108	10.98482	15.76743	16.13155	13.37404
3765938.31	52.88653	47.71826	38.59467	39.76235	33.54981	21.87561	17.90065	14.45702	21.44067
3764938.31	61.00086	52.90084	47.76407	46.07673	38.32963	30.85996	28.84686	25.60372	20.26148
3763938.31	59.65734	57.52153	55.41986	47.31029	47.41422	37.22246	34.58584	34.46619	29.09148
3762938.31	63.87829	63.23808	55.29743	48.40743	44.51732	43.44503	39.42657	35.44080	33.57305
3761938.31	66.06424	67.23425	53.90733	40.46077	46.00871	43.86517	42.97021	41.95117	37.43558
3760938.31	72.20449	70.06030	58.99964	51.78413	48.63032	50.16191	46.50219	44.52330	39.42727
3759938.31	79.25076	62.70436	61.93754	54.52056	55.22947	56.81567	50.11215	45.72164	41.84696
3758938.31	77.35192	68.40882	63.56861	60.80264	55.70892	56.24892	61.13388	54.62151	46.97774

3757938.31	77.24708	72.06037	70.34804	70.78272	64.26537	64.54291	58.98080	53.31904	46.23070
3756938.31	84.26375	75.40370	70.69780	64.63580	62.11795	58.58683	51.89716	47.59882	46.82861
3755938.31	81.27738	73.51776	68.62315	62.32025	61.64095	55.12146	53.18931	50.18791	48.54505
3754938.31	78.72153	71.80065	65.74614	66.92668	60.11948	56.25688	53.14167	51.84444	51.16173
3753938.31	82.83029	78.25489	73.92009	73.67915	67.34332	62.25060	58.60405	56.45677	54.80409
3752938.31	83.96585	80.20868	77.56464	74.33611	71.44576	65.93997	62.10242	58.08268	53.83199
3751938.31	83.55821	81.14165	64.11028	59.07449	63.85817	59.22233	56.14812	56.08195	54.01143
3750938.31	87.71017	86.76256	67.84303	66.88898	65.20889	61.32063	58.81375	56.22741	47.06045
3749938.31	93.64571	87.30277	77.06800	67.54622	62.43788	58.59294	57.70411	56.97559	54.66447
3748938.31	89.75987	95.21502	85.41106	75.65197	64.62411	61.79411	61.55068	63.71254	53.27825
3747938.31	88.22310	91.85654	79.58911	78.39426	68.78308	60.52662	70.06498	66.06988	59.18004
3746938.31	79.98528	86.83489	79.93986	75.91724	71.20647	65.04547	71.70294	71.13055	65.15508
3745938.31	81.05319	76.56268	88.20712	85.21559	81.99806	85.02781	72.65588	51.24788	49.80114
3744938.31	77.77976	69.03207	72.41842	70.98979	53.16562	71.31738	67.20628	43.29915	41.50921
3743938.31	72.20427	70.29954	63.04036	65.95866	78.76843	53.32471	42.90042	46.77939	37.63400
3742938.31	64.67730	64.55510	65.40574	61.72820	60.45229	78.97282	51.81980	40.14371	35.52194
3741938.31	67.37818	60.71611	58.20922	63.58681	60.67920	54.14578	58.80573	59.65326	39.15441

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - LST Assessment (1hour averages) *** 12/06/12
*** Construction in 2013 with NOx Emissions (15 hr day) *** 11:32:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 , AREA2 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	133.10835	135.47933	138.97407	140.20387	141.18124	145.78698	150.61490	156.31985	160.28239
3754534.43	132.64729	133.70075	139.08501	142.06871	144.40802	145.37240	150.68782	154.36593	160.43046
3754434.43	132.91303	135.45135	138.20215	140.96113	142.73555	147.61053	151.51423	156.00531	161.54858
3754334.43	132.51644	135.02060	136.98166	139.34500	143.20790	147.20704	152.66277	155.74021	162.07801
3754234.43	130.49991	132.76056	135.82657	138.77527	142.01122	145.19141	151.29148	155.09347	160.89696
3754134.43	129.72221	131.89100	134.50423	137.67175	141.44929	146.49091	148.62650	151.43722	160.14747
3754034.43	133.06964	137.03449	139.06302	141.67341	144.86924	147.65613	152.41031	153.55714	160.79583
3753934.43	134.79218	138.99057	140.73014	143.30847	145.48400	151.50636	155.29666	157.98773	162.33267
3753834.43	138.05951	140.50486	143.31266	145.84861	149.46021	152.87972	156.50756	160.95430	166.66811
3753734.43	140.50771	142.81879	145.63671	148.82291	152.38555	156.08436	159.78267	164.48136	169.23678
3753634.43	142.83188	145.34057	147.72244	150.77124	153.70583	156.85053	160.19070	163.84840	168.07097
3753534.43	142.87006	144.91334	147.31452	149.65623	152.29168	155.44140	158.72108	162.65508	166.70121
3753434.43	140.64299	143.01721	145.31069	147.71058	150.40336	153.54689	157.39107	161.83540	167.06477
3753334.43	138.09216	140.39188	142.43770	145.03980	148.08614	152.34703	155.98316	159.94546	165.50684
3753234.43	135.18452	137.45420	140.28271	143.72655	146.24047	149.17183	156.15544	160.39847	167.73778
3753134.43	133.27386	135.00940	137.70190	142.46193	147.21635	151.81449	158.14241	162.38937	168.10137
3753034.43	132.74306	136.82718	140.84186	144.67004	148.35782	153.37663	158.38547	163.19663	168.14067
3752934.43	135.16132	138.41166	141.55625	145.81952	150.32399	154.42445	158.43727	162.41155	166.28642
3752834.43	135.61596	139.56888	143.49131	147.04962	150.32667	153.27871	155.99829	159.12287	161.83431
3752734.43	137.55690	140.75322	143.36739	145.74578	147.64125	150.23736	152.11187	154.55432	158.05083
3752634.43	137.65397	139.42522	141.02116	143.01694	144.54924	145.72715	148.92949	151.74961	157.30985
3752534.43	135.32096	136.93730	137.90732	138.95042	140.51646	142.84494	147.05106	151.83271	156.40581
3752434.43	132.88143	133.72121	134.68692	136.23012	138.37002	142.34898	147.30496	150.11656	155.35902
3752334.43	129.86167	130.37555	132.14940	134.68631	139.29181	142.56078	145.28678	149.30509	153.54131
3752234.43	126.56709	128.93359	132.15417	135.90026	138.57235	139.60773	144.31316	147.75681	152.59621
3752134.43	126.06108	129.45666	132.92607	135.17683	136.60154	139.68563	143.31502	145.52278	151.97270
3752034.43	127.25211	130.27194	131.58487	132.70178	135.90903	139.01247	141.05124	147.45992	150.38568
3751934.43	127.22365	128.69713	129.54791	132.02778	135.42079	137.33433	137.89558	145.83767	152.63890
3751834.43	125.86545	126.58390	128.90088	132.39507	133.83451	134.36807	141.43277	148.07696	153.69017
3751734.43	124.11431	126.12687	129.61291	131.22973	131.32303	131.94440	142.04317	148.73392	154.70265
3751634.43	123.63980	126.82288	128.40208	128.50557	131.87156	135.29716	144.71189	150.15879	149.88633
3751534.43	124.21143	125.80487	131.55558	131.38802	133.08844	136.09555	145.72918	143.50990	133.39710
3751434.43	123.40891	129.27185	130.09595	130.93197	133.67752	136.76768	137.53778	131.74677	126.90749
3751334.43	126.45699	127.35148	128.41292	130.58141	134.38264	134.33086	129.34768	125.20149	126.39578
3751234.43	125.40928	126.08955	127.40900	130.94227	131.99015	126.74059	126.65227	124.56319	126.63898
3751134.43	124.48941	124.88394	128.16410	125.97501	125.48268	122.50644	125.73166	124.99913	127.30752
3751034.43	123.20139	125.60940	124.82555	117.46924	119.43758	121.55143	123.38422	125.08824	126.76399
3750934.43	121.33778	124.41387	116.86822	113.82302	112.35798	122.02468	122.80306	124.86357	126.48194

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - LST Assessment (1hour averages) *** 12/06/12
*** Construction in 2013 with NOx Emissions (15 hr day) *** 11:32:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 , AREA2 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	164.83700
3754534.43	168.65579
3754434.43	166.56248
3754334.43	167.05529
3754234.43	167.25824
3754134.43	162.72767
3754034.43	166.52772
3753934.43	167.60978
3753834.43	172.39102
3753734.43	174.43070
3753634.43	173.07472
3753534.43	172.51526
3753434.43	172.78203
3753334.43	172.13361
3753234.43	173.73352
3753134.43	173.80489
3753034.43	173.58205

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 3752934.43 |     169.77588
 3752834.43 |     166.02215
 3752734.43 |     163.43695
 3752634.43 |     163.41053
 3752534.43 |     162.02303
 3752434.43 |     159.79121
 3752334.43 |     157.81554
 3752234.43 |     156.95788
 3752134.43 |     156.02112
 3752034.43 |     158.72231
 3751934.43 |     159.54314
 3751834.43 |     158.79794
 3751734.43 |     153.86099
 3751634.43 |     138.37477
 3751534.43 |     130.39479
 3751434.43 |     129.11302
 3751334.43 |     128.75099
 3751234.43 |     128.64120
 3751134.43 |     128.52184
 3751034.43 |     127.72807
 3750934.43 |     126.58580
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - LST Assessment (1hour averages)             ***        12/06/12
                                   *** Construction in 2013 with NOx Emissions (15 hr day)                  ***        11:32:47
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 **MODELOPTs:  NonDFAULT CONC                                                ELEV
                       FASTALL                                                     OLM

    *** THE   1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     AREA1       , AREA2       ,

                                   *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                        ** CONC OF NO2      IN MICROGRAMS/M**3                          **

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     485549.47    485649.47    485749.47    485849.47
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3760938.31	13.17512	12.49891	12.87472	16.58614	18.43950	19.13484	16.55105	18.15580	15.78222
3759938.31	12.89436	14.37859	16.49821	15.88820	16.36612	15.17790	19.56105	22.45583	22.72522
3758938.31	13.45191	16.72635	15.95021	15.05903	15.71532	18.53299	20.09668	20.86210	20.50797
3757938.31	12.86798	13.59019	13.85050	14.66715	15.58895	18.82054	22.13021	20.58030	22.39777
3756938.31	14.27995	14.39520	14.60117	15.67130	16.71728	17.31391	18.83757	19.32337	20.95289
3755938.31	13.54900	13.80578	14.88039	17.14270	19.82712	21.88067	23.51992	25.34903	24.12382
3754938.31	13.36458	13.64941	14.00629	14.84467	15.53493	17.30094	19.06321	20.70087	22.69260
3753938.31	15.64195	16.44345	17.41588	18.48396	20.14926	21.93272	23.81911	26.46964	29.04490
3752938.31	14.76984	15.39161	16.47561	17.81551	19.22643	20.81807	22.57928	24.48790	25.88690
3751938.31	13.43398	14.21650	15.48811	16.59696	18.14537	19.23830	20.25677	21.39790	23.14072
3750938.31	12.98185	13.89802	14.74921	15.43238	15.86262	17.31094	20.09154	21.29585	22.56308
3749938.31	13.08405	13.97718	15.12488	15.93727	16.05151	16.52277	17.85440	19.41785	20.29229
3748938.31	12.02523	11.92688	12.53728	13.21254	13.65888	15.75137	16.37172	16.24396	16.07214
3747938.31	10.98962	12.72342	12.32661	11.98445	13.70984	11.58093	14.13791	16.71380	17.33025
3746938.31	10.95639	13.03431	14.04616	13.26902	14.25118	14.93464	15.32475	16.59637	18.68178
3745938.31	11.46000	12.72603	12.99593	12.73815	13.31935	14.03875	16.48311	18.29999	17.73619
3744938.31	11.06872	11.61606	11.84524	13.23539	14.78703	16.02511	15.13313	18.99181	20.14811
3743938.31	10.69924	12.28724	13.42348	14.41776	15.10010	17.32468	20.48473	23.10646	25.85345
3742938.31	12.42387	13.23126	13.92957	14.90020	18.60524	15.72126	23.27555	21.67340	23.89818
3741938.31	12.62763	13.41354	12.73445	10.51392	9.46349	14.17908	18.15144	13.45406	14.66662

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - LST Assessment (1hour averages) *** 12/06/12
*** Construction in 2013 with NOx Emissions (15 hr day) *** 11:32:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 , AREA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	22.24528	19.66027	22.01427	25.14163	24.92068	25.80934	24.86499	24.28241	28.46556
3766938.31	23.68621	25.28609	22.42024	25.09950	29.71065	31.82499	31.54308	27.92615	27.61707
3765938.31	29.23370	26.86596	29.94027	25.84607	30.25140	36.31393	39.43948	38.29476	33.74340
3764938.31	24.84885	31.83732	16.64661	32.93986	31.22410	36.03855	39.38086	37.86590	37.90104
3763938.31	25.97787	25.80654	35.37899	37.12246	35.74951	36.94266	37.90515	37.11629	34.20451
3762938.31	26.05146	26.88782	29.54126	34.65435	44.33450	35.30517	41.63329	41.38924	49.21631
3761938.31	30.49167	30.14665	20.42678	34.46554	26.31112	31.52765	28.91516	36.24981	41.03524
3760938.31	22.62721	29.51074	26.40844	30.39886	25.58242	32.07121	30.89061	33.48111	42.89580
3759938.31	21.18523	22.40523	18.54780	17.63571	34.38152	49.51830	42.26866	29.80942	52.34262
3758938.31	25.31128	30.76450	13.02174	15.83027	27.49332	35.57723	43.00418	52.87652	51.76742
3757938.31	26.88416	29.90281	28.81300	14.33077	22.88027	25.96562	33.22150	45.48195	56.21414
3756938.31	24.91483	33.31885	34.92484	37.58214	26.98650	36.49203	48.15502	54.05202	51.74635
3755938.31	26.78316	29.30061	32.30288	36.67555	39.59206	43.01380	50.69886	54.97672	55.73930
3754938.31	26.26188	30.08924	34.42040	38.44372	43.47681	50.54548	50.95914	57.97941	63.47959
3753938.31	31.30111	33.29211	37.15876	41.06530	43.96627	47.57176	52.04029	58.54108	64.22816
3752938.31	27.54338	29.10785	31.64177	34.80608	39.27027	45.30575	48.25880	54.60866	64.63212
3751938.31	24.62284	25.16685	30.33997	31.76549	36.13971	40.89230	45.57053	48.49548	53.72566
3750938.31	26.48743	23.98970	26.18230	29.39415	29.61495	32.35072	39.71086	44.15674	48.74976
3749938.31	22.59795	22.83337	25.47963	29.13153	29.56443	32.26809	37.77143	42.08149	53.42799
3748938.31	17.73672	21.16193	22.57986	25.76245	28.87786	35.51743	42.21175	50.97600	59.08112
3747938.31	18.53804	22.98803	26.63947	28.45205	34.16942	40.80322	51.12497	51.00163	55.76024
3746938.31	21.07644	20.90388	26.95321	31.20097	37.91208	43.69337	44.81298	48.62716	47.33037
3745938.31	21.48627	26.48405	26.34219	38.33811	43.93476	38.08659	37.96340	38.91343	46.52968
3744938.31	21.40315	29.92285	30.58380	32.52946	28.91433	36.66874	32.31881	40.43364	35.67710
3743938.31	28.15362	31.49431	28.72968	27.08521	26.75080	28.86461	35.51145	30.17777	32.18924
3742938.31	22.73568	20.53107	21.30092	20.04143	27.53855	31.47093	27.16431	28.16221	26.70350
3741938.31	10.74515	16.53315	12.58618	24.56821	22.53756	21.90891	26.12240	24.24719	30.09138

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - LST Assessment (1hour averages) *** 12/06/12
*** Construction in 2013 with NOx Emissions (15 hr day) *** 11:32:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 , AREA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	33.48015	28.98200	32.00441	30.92569	41.62430	50.22796	50.90965	51.79155	38.32000
3766938.31	33.52875	34.80506	38.66283	35.69473	46.14750	54.28177	57.03489	56.28343	36.56499
3765938.31	37.29317	41.32929	37.99692	44.39666	50.14734	62.57787	61.93618	56.85244	40.58093
3764938.31	36.76649	41.77827	41.51090	48.68485	44.67589	58.66837	67.07919	54.47549	45.54038
3763938.31	26.06709	43.33820	55.22512	51.88269	54.70418	69.26487	70.30261	52.05522	41.01625
3762938.31	39.09457	27.46865	51.85484	51.43234	61.38591	69.27302	84.43320	77.28655	51.05275
3761938.31	36.57305	36.88403	36.32142	52.37729	62.59319	75.01241	88.88568	79.23137	63.35293
3760938.31	41.78028	31.69219	37.06448	43.26592	45.98278	54.97893	92.08201	88.49433	83.15589
3759938.31	47.09816	42.25723	55.16791	46.80868	58.19677	60.86312	87.17581	90.86955	79.34678
3758938.31	54.29398	55.04636	56.17770	62.42157	53.51662	72.04999	85.73209	88.40399	78.77499
3757938.31	44.94219	56.74482	65.99097	69.82609	82.27827	76.73141	85.82151	93.50778	84.53860
3756938.31	42.27929	72.51562	68.20415	81.92633	88.68917	93.66837	94.48421	102.84969	97.14710
3755938.31	67.05351	71.38479	72.37838	87.49242	95.82253	101.58851	105.94422	126.55519	114.47016
3754938.31	68.32017	74.05579	79.38292	86.78256	99.83973	109.74431	142.40810	179.35590	165.01835
3753938.31	73.24607	78.87580	84.57708	91.99180	100.85611	119.94821	161.62745	260.34892	210.27154
3752938.31	72.34371	81.97119	85.71558	89.47674	95.13158	113.18487	160.02933	233.65818	185.10064
3751938.31	58.91536	64.71422	80.54733	86.52497	99.41232	108.50300	130.72785	115.70420	136.21607
3750938.31	58.79162	67.34721	81.39573	90.36966	94.98040	99.73255	100.98193	99.73091	111.78434
3749938.31	64.01440	69.60666	83.32781	89.88191	90.61223	93.47045	89.69396	101.02481	109.93965
3748938.31	59.56024	70.23062	83.57343	58.69974	87.82450	98.29139	95.02079	94.43710	99.12670
3747938.31	55.69157	68.84119	44.98993	57.90243	88.52125	91.41278	86.95364	88.06413	91.41755
3746938.31	56.47212	53.28288	57.56821	71.50975	85.85776	84.73093	82.84751	85.53764	87.69799
3745938.31	43.80373	45.70703	59.86638	73.06842	82.63344	70.46890	84.19574	58.27653	85.23701
3744938.31	38.56810	43.24375	57.64603	65.60123	72.48241	67.29022	57.81203	73.15692	83.12915
3743938.31	35.48594	45.79504	56.49962	59.88907	66.20614	49.23391	66.00943	64.39956	79.07446

3742938.31	38.92577	48.36922	55.59196	58.51078	47.28928	59.90678	57.90338	56.54224	71.81693
3741938.31	38.86060	44.95918	49.53206	53.09416	43.47892	57.06226	49.82087	53.49295	64.11224

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - LST Assessment (1hour averages) *** 12/06/12
*** Construction in 2013 with NOx Emissions (15 hr day) *** 11:32:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 , AREA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	35.49594	31.23780	27.26241	42.83618	37.87547	30.30417	36.49806	29.48710	27.79664
3766938.31	26.01568	32.63777	31.42055	49.13723	34.47995	42.47278	28.95588	27.29793	27.54970
3765938.31	26.17889	33.31214	51.27994	53.69757	45.21030	49.34594	31.19645	35.67338	34.36351
3764938.31	28.18507	50.61140	66.12522	51.78581	52.83830	38.54477	38.71533	35.23136	41.98730
3763938.31	38.22102	48.07170	71.89950	60.45014	56.08232	41.60665	39.86065	47.81546	38.75829
3762938.31	55.08815	76.54076	69.12797	69.25105	55.17099	48.54610	52.91210	45.93246	45.72000
3761938.31	55.05893	80.95720	75.58113	62.85084	59.70508	58.93369	54.86046	53.82729	48.28025
3760938.31	75.52122	79.15607	82.97451	68.47326	64.85016	65.42406	65.76130	53.87543	58.10357
3759938.31	89.21015	90.76199	84.46778	74.85384	72.84987	76.89823	65.97383	70.69346	63.16441
3758938.31	89.60872	90.18123	86.71077	84.46435	85.82500	80.52615	80.81731	69.14623	65.50167
3757938.31	93.10782	90.95842	88.95135	88.03086	86.80611	83.73656	78.50317	74.25292	69.03015
3756938.31	98.81280	94.86761	91.67450	90.50117	87.20534	86.62765	83.15993	76.10239	70.56264
3755938.31	109.17185	105.57461	97.02964	92.40173	89.16757	86.87574	84.91389	79.95460	72.83700
3754938.31	140.29938	122.97173	110.99568	101.93708	94.44671	88.95137	85.07300	80.43277	74.39423
3753938.31	164.70042	147.91154	130.05073	103.20336	96.64736	89.59880	88.23245	83.90781	75.22428
3752938.31	155.28500	142.53031	126.77233	122.40780	108.93876	99.77663	93.97391	87.47017	76.09732
3751938.31	125.48257	120.24703	109.79882	107.30395	100.24190	104.13348	94.58939	88.28451	77.46871
3750938.31	111.47569	104.08938	101.85914	96.34363	93.48959	96.52926	94.16199	90.33283	79.32616
3749938.31	102.04266	98.24872	94.35443	93.37982	90.63981	88.62437	87.62027	84.85508	81.31386
3748938.31	95.70745	94.11801	91.45100	89.19302	89.20610	87.03528	85.54643	88.48374	78.05792
3747938.31	90.80952	90.27641	89.56609	87.68134	85.95527	86.01919	84.58995	78.28186	87.94253
3746938.31	87.21724	88.42443	87.09600	86.26888	85.04034	79.97917	81.15898	74.50058	70.92528
3745938.31	85.30076	85.79163	85.28705	84.25778	79.16459	77.21765	69.11789	68.63824	65.42406
3744938.31	79.64764	81.13282	82.42463	78.26037	76.51196	72.50889	66.23524	60.34515	60.55704
3743938.31	72.10584	71.48548	74.35906	70.07496	69.22023	68.79922	63.41155	58.83182	53.75772
3742938.31	65.45761	66.29327	67.47586	68.51142	80.84213	57.58276	61.41271	58.62973	55.09917
3741938.31	60.25798	60.82081	64.19428	79.04308	62.63786	55.27792	51.52818	65.78120	51.73274

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - LST Assessment (1hour averages) *** 12/06/12
*** Construction in 2013 with NOx Emissions (15 hr day) *** 11:32:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 , AREA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	23.70356	28.36912	30.33495	18.28185	17.35309	10.53228	8.56652	5.17536	4.20124
3766938.31	30.62143	35.53128	20.83674	24.06125	14.07213	4.88915	5.05929	5.16399	5.07216
3765938.31	40.03234	26.48196	18.14352	20.73522	14.35773	8.37667	5.47810	6.82373	9.85503
3764938.31	32.81509	35.54969	30.49255	30.56922	23.10144	17.86318	16.41556	13.36939	8.92261
3763938.31	41.73655	33.63275	37.22527	36.55303	37.03370	28.14886	20.96013	22.90042	19.66133
3762938.31	40.73176	41.49335	42.07834	40.75397	33.01347	32.17945	29.66231	27.56990	24.12929
3761938.31	50.66838	50.39802	45.00882	29.28533	36.54552	34.44468	34.95955	32.20305	30.42004
3760938.31	57.09890	47.17791	44.98693	43.27524	41.06832	41.20093	38.78800	34.24345	31.16636
3759938.31	54.80940	52.82285	49.38038	47.57096	42.60515	40.32055	42.53430	35.56249	33.17456
3758938.31	59.57448	57.48974	50.64590	49.48843	43.23382	45.36266	45.07929	39.68540	34.56074
3757938.31	61.32843	56.64244	54.68606	50.32501	45.64358	43.49830	41.77782	40.64225	39.38815
3756938.31	64.65832	57.13116	54.30703	51.62123	51.06394	50.16892	44.95448	41.87076	39.03643
3755938.31	66.54635	60.67606	54.63642	49.57384	51.84515	47.42703	45.56184	44.40277	41.69385
3754938.31	68.63991	62.75840	56.32794	53.80830	52.13751	49.23451	45.93529	42.97612	40.38533
3753938.31	69.00135	63.69153	59.22883	59.22722	54.64030	50.57184	47.38495	44.49363	41.69151
3752938.31	69.62597	63.97299	58.96856	59.06207	53.53149	49.55271	44.90899	41.59438	39.55229
3751938.31	71.28953	65.67089	57.39711	53.18163	55.34086	50.16610	47.35847	44.24686	40.76301
3750938.31	76.74879	65.26455	55.35274	52.41857	54.09834	50.91345	47.70445	45.38725	41.93239
3749938.31	86.95286	77.46211	59.17259	53.25478	50.07474	49.23267	44.69359	41.62177	40.94953
3748938.31	81.25032	82.02096	65.21231	56.24669	49.62135	51.58225	46.51551	46.32106	42.60394
3747938.31	72.37282	86.26731	64.68287	57.39047	50.42982	49.16738	51.07361	46.64040	47.22128
3746938.31	65.87203	83.19924	56.30309	56.51543	57.79348	49.97067	52.34779	53.15887	50.14817
3745938.31	62.37414	59.11709	81.03155	71.54701	64.90271	70.94716	59.00498	43.59881	38.77425
3744938.31	59.72712	55.55618	54.24592	51.08872	44.21851	45.45677	43.76394	40.26296	37.89141
3743938.31	54.05232	55.95416	51.17040	48.00165	64.42838	44.32589	38.27117	37.41250	32.45887
3742938.31	48.25862	48.14726	51.83173	47.18487	45.68383	63.19990	40.45394	35.57801	30.82860
3741938.31	49.27834	44.03139	45.80111	49.48332	45.33458	42.77403	41.23367	41.09742	35.10183

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - LST Assessment (1hour averages) *** 12/06/12
*** Construction in 2013 with NOx Emissions (15 hr day) *** 11:32:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 , AREA2 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71

3754634.43	117.70880	119.00714	121.41628	122.68659	123.70596	127.11553	130.59822	135.72586	139.80261
3754534.43	114.83208	117.62433	123.17708	125.47497	126.71875	128.22386	133.02060	135.61229	141.21758
3754434.43	116.20628	117.57235	120.50238	124.03661	126.14695	130.61723	133.61968	138.54013	143.08422
3754334.43	117.95974	120.05376	121.89198	123.90228	126.32510	130.41243	134.69034	137.83045	143.90891
3754234.43	117.74052	119.81915	122.67911	125.28901	127.71955	131.46696	134.99099	139.28575	144.77351
3754134.43	117.66920	121.10388	123.61048	126.12913	128.50020	133.23964	134.79060	139.14576	146.33504
3754034.43	118.12112	121.74547	124.95073	128.18936	130.71875	133.57436	138.49534	141.22686	146.19338
3753934.43	119.59503	123.79593	125.97938	128.55777	131.02139	136.01094	140.54569	143.60806	148.50892
3753834.43	119.96172	122.81970	126.09045	128.50005	131.88257	135.42977	138.50167	142.86096	148.87081
3753734.43	119.11008	121.82056	125.38665	128.33905	131.20205	134.76987	137.32872	142.77763	147.66995
3753634.43	121.02462	123.59543	126.56026	129.18426	131.29965	134.72725	138.85439	142.70626	147.16604
3753534.43	118.72810	121.08046	123.93387	126.61908	130.71796	134.89123	138.61733	142.91923	148.37857
3753434.43	119.13965	122.17403	125.25655	128.36702	132.07979	135.85513	139.99453	143.39060	146.79843
3753334.43	118.46288	120.95303	122.88557	126.95530	130.74653	133.98376	136.19826	140.72088	145.32245
3753234.43	115.60718	117.49371	119.92740	121.72542	125.72989	129.38674	135.26129	138.60210	144.70954
3753134.43	113.69297	115.60768	118.73332	122.83825	127.53270	131.33951	136.58078	137.97564	143.99168
3753034.43	114.18905	116.71860	119.79427	121.00119	124.24034	128.98397	133.97456	138.82253	144.77043
3752934.43	113.11180	114.60538	117.48923	120.87904	126.14182	130.36358	134.78440	139.76753	146.74937
3752834.43	111.38027	114.91987	119.17972	123.26602	127.56170	129.51494	135.89275	142.60610	147.79969
3752734.43	113.07417	117.34401	120.40624	122.99879	126.71518	133.10232	137.83617	141.43542	142.80400
3752634.43	115.05712	117.72868	120.55004	124.23855	130.07430	133.97244	134.94561	137.54817	139.57003
3752534.43	115.46544	118.09395	121.94115	125.67541	127.99881	128.73440	133.02475	133.94275	135.87386
3752434.43	116.40469	119.45082	122.87225	124.02427	124.16286	127.85172	128.35771	130.78934	134.52155
3752334.43	116.99449	118.25498	119.83640	120.35875	123.76675	123.06365	127.13217	129.39169	133.79020
3752234.43	115.05895	115.88066	117.65463	119.17418	118.89881	122.39023	125.22829	128.66206	130.63784
3752134.43	112.14839	114.62259	115.05809	116.28582	120.15766	121.35989	124.42418	126.61922	128.17984
3752034.43	111.67401	111.76259	113.47058	116.93652	118.28808	120.84553	121.71115	123.45346	127.82669
3751934.43	108.37186	111.29072	114.34866	115.07400	117.81104	118.90663	119.82804	123.51515	127.62135
3751834.43	108.84064	111.87350	112.58030	115.12092	115.55848	116.26832	119.87839	125.16035	125.62658
3751734.43	109.67847	110.44583	112.66076	112.91694	113.52703	116.53099	118.62132	121.95533	124.27553
3751634.43	108.47236	110.27665	110.26371	111.13467	115.50878	115.73485	118.46178	121.64027	116.46486
3751534.43	108.11311	107.63169	111.27492	112.44313	114.85763	115.68299	118.78539	110.99614	104.21267
3751434.43	105.24420	108.68649	109.78047	112.25385	112.82755	115.11988	107.68078	100.56034	101.43734
3751334.43	106.73105	107.72887	110.21135	110.53748	111.70008	109.71823	100.41843	98.28235	100.33096
3751234.43	105.78720	107.77339	107.09547	108.40981	108.85656	103.44827	97.32265	99.23290	99.65595
3751134.43	106.02989	106.46834	105.78774	103.87414	101.39397	97.17899	98.44723	98.76240	99.32410
3751034.43	104.75396	103.16789	102.82449	96.13934	96.51124	95.84330	98.13444	97.87604	99.05362
3750934.43	99.64347	102.16786	96.52247	93.75142	92.80565	95.65408	96.69926	97.35213	99.35203

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - LST Assessment (1hour averages) *** 12/06/12
*** Construction in 2013 with NOx Emissions (15 hr day) *** 11:32:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 , AREA2 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	146.04535
3754534.43	147.88749
3754434.43	147.41693
3754334.43	150.25476
3754234.43	149.33004
3754134.43	149.43036
3754034.43	152.19030
3753934.43	153.79341
3753834.43	154.26667
3753734.43	152.98164
3753634.43	152.57327
3753534.43	154.00290
3753434.43	151.13221
3753334.43	150.43941
3753234.43	150.26249
3753134.43	149.50455
3753034.43	152.40424
3752934.43	152.99898
3752834.43	151.50201
3752734.43	146.74454
3752634.43	142.46707
3752534.43	140.14427
3752434.43	139.82086
3752334.43	136.50247
3752234.43	133.29653
3752134.43	131.97194
3752034.43	131.83579
3751934.43	129.56141
3751834.43	126.04720
3751734.43	121.19223
3751634.43	110.00674
3751534.43	103.19016
3751434.43	101.91649
3751334.43	101.30973
3751234.43	100.75127
3751134.43	101.13131
3751034.43	100.82574
3750934.43	100.50004

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - LST Assessment (1hour averages) *** 12/06/12
*** Construction in 2013 with NOx Emissions (15 hr day) *** 11:32:47
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 , AREA2 ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

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    Y-COORD  |                                          X-COORD (METERS)
    (METERS) |     485549.47    485649.47    485749.47    485849.47
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3753434.90 |     158.53335    163.70316    172.61492    185.85597
  3753334.90 |     154.56096    163.88018    175.02500    185.82381
  3753234.90 |     156.92217    166.26057    176.05530    185.50842
  3753134.90 |     157.98370    167.82072    176.21328    188.68250
  3753034.90 |     158.98689    167.65087    178.30104    187.22545
  3752934.90 |     159.79254    167.16207    169.70513    178.29581
  3752834.90 |     155.47069    159.12978    165.55001    177.43613
  3752734.90 |     150.22238    155.88367    164.53851    170.00566
  3752634.90 |     148.09242    154.67243    159.50609    163.15456
  3752534.90 |     146.91264    150.19909    151.99876    157.24024
  3752434.90 |     143.11897    144.84315    150.18421    153.73571
  3752334.90 |     138.99183    141.88419    144.29702    155.70080
  3752234.90 |     136.29556    142.04025    144.87773    152.74837
  3752134.90 |     136.18951    140.42624    145.45829    149.23804
  3752034.90 |     134.77739    136.48236    143.30801    139.27776
  3751934.90 |     130.58638    136.60982    136.86022    129.48514
  3751834.90 |     129.52688    127.25130    123.11857    112.79089
  3751734.90 |     121.73388    122.54936    111.36602    108.83791
  3751634.90 |     110.09055    107.71017    107.84288    107.36383
  3751534.90 |     103.72961    105.97139    106.68243    106.02703
  3751434.90 |     103.31457    105.05095    105.22797    104.53984
  3751334.90 |     103.18127    104.47166    104.10982    102.85228
  3751234.90 |     102.51488    103.46482    102.84957    101.90060
  3751134.90 |     102.30215    102.17145    101.35650     99.97630
  3751034.90 |     101.54557    101.16481     99.79069     97.99900
  3750934.90 |     100.96552     99.78762     98.62498     96.42669
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - LST Assessment (1hour averages)             ***        12/06/12
                                   *** Construction in 2013 with NOx Emissions (15 hr day)                  ***        11:32:47
                                                                                                                        PAGE  47
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                        FASTALL                                                          OLM

    *** THE   8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     AREA1       , AREA2       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF NO2      IN MICROGRAMS/M**3                          **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)   Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         485619.40    3753969.72      164.69593                    485712.99    3753961.92      170.77382
         487190.85    3754410.34      244.17427                    487194.75    3754289.46      246.12746
         487268.83    3754090.60      240.04379                    487483.30    3754102.29      213.55438
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - LST Assessment (1hour averages)             ***        12/06/12
                                   *** Construction in 2013 with NOx Emissions (15 hr day)                  ***        11:32:47
                                                                                                                        PAGE  48
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                        FASTALL                                                          OLM

                      *** THE SUMMARY OF MAXIMUM   1ST-HIGHEST MAX DAILY  1-HR RESULTS AVERAGED OVER   3 YEARS ***

                                       ** CONC OF NO2      IN MICROGRAMS/M**3                          **

                                                                                                                NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS     297.00702 AT (  486553.03,  3753938.31,   503.00,   811.00,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS     294.72894 AT (  487190.85,  3754410.34,   509.37,   776.00,    0.00)  DC
          3RD HIGHEST VALUE IS     293.50528 AT (  487194.75,  3754289.46,   507.16,   777.00,    0.00)  DC
          4TH HIGHEST VALUE IS     276.95994 AT (  487268.83,  3754090.60,   503.10,   777.00,    0.00)  DC
          5TH HIGHEST VALUE IS     253.90519 AT (  486553.03,  3752938.31,   487.40,   811.00,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS     247.79073 AT (  487483.30,  3754102.29,   501.97,   777.00,    0.00)  DC
          7TH HIGHEST VALUE IS     245.52869 AT (  487553.03,  3753938.31,   496.40,   777.00,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS     218.80607 AT (  487553.03,  3754938.31,   526.30,   528.00,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS     215.59524 AT (  487553.03,  3752938.31,   479.60,   811.00,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS     209.50717 AT (  488553.03,  3752938.31,   476.00,   811.00,    0.00)  GC  UCART1
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - LST Assessment (1hour averages)             ***        12/06/12
                                   *** Construction in 2013 with NOx Emissions (15 hr day)                  ***        11:32:47
                                                                                                                        PAGE  49
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                        FASTALL                                                          OLM

                      *** THE SUMMARY OF MAXIMUM   8TH-HIGHEST MAX DAILY  1-HR RESULTS AVERAGED OVER   3 YEARS ***

                                       ** CONC OF NO2      IN MICROGRAMS/M**3                          **

                                                                                                                NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS     260.34892 AT (  486553.03,  3753938.31,   503.00,   811.00,    0.00)  GC  UCART1
          2ND HIGHEST VALUE IS     246.12746 AT (  487194.75,  3754289.46,   507.16,   777.00,    0.00)  DC
          3RD HIGHEST VALUE IS     244.17427 AT (  487190.85,  3754410.34,   509.37,   776.00,    0.00)  DC
          4TH HIGHEST VALUE IS     240.04379 AT (  487268.83,  3754090.60,   503.10,   777.00,    0.00)  DC
          5TH HIGHEST VALUE IS     233.65818 AT (  486553.03,  3752938.31,   487.40,   811.00,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS     213.55438 AT (  487483.30,  3754102.29,   501.97,   777.00,    0.00)  DC
          7TH HIGHEST VALUE IS     210.27154 AT (  487553.03,  3753938.31,   496.40,   777.00,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS     188.68250 AT (  485849.47,  3753134.90,   489.50,   811.00,    0.00)  GC  UCART4
          9TH HIGHEST VALUE IS     187.22545 AT (  485849.47,  3753034.90,   490.10,   811.00,    0.00)  GC  UCART4
         10TH HIGHEST VALUE IS     185.85597 AT (  485849.47,  3753434.90,   492.50,   811.00,    0.00)  GC  UCART4


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - LST Assessment (1hour averages)             ***        12/06/12
                                                                                                                        Page 19
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**MODELOPTS:  NonDFAULT CONC                                        ELEV
                        FASTALL                                            OLM

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of            0 Fatal Error Message(s)
A Total of            1 Warning Message(s)
A Total of          117 Informational Message(s)

A Total of        26280 Hours Were Processed

A Total of            0 Calm Hours Identified

A Total of          117 Missing Hours Identified (  0.45 Percent)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
ME W530     107 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

   ************************************
   *** AERMOD Finishes Successfully ***
   ************************************
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WLC LST Construction Assessment - PM10 (24-hour average)

Year: 2013 (Unmitigated Emissions - 15 hour day)

Unit Emission Rate	1.00E-07	g/sec-m2
Actual Emissions (Mass Grading):	3.56E-06	g/sec-m2
Actual Emissions (NON Mass Grading):	3.67E-06	g/sec-m2

X(m)	Y(m)	Mass Grading 24hr Ave w/Unit Emissions (ug/m3)	Mass Grading 24hr Ave w/Actual Emissions (ug/m3)	Non Mass Grading 24hr Ave w/Unit Emissions (ug/m3)	Non Mass Grading 24hr Ave w/Actual Emissions (ug/m3)	Total 240hr Ave w/Actual Emissions (ug/m3)
461553	3741938	0.00312	0.11	0.00152	0.06	0.1669
462553	3741938	0.00384	0.14	0.00192	0.07	0.2072
463553	3741938	0.00518	0.18	0.0022	0.08	0.2651
464553	3741938	0.00548	0.19	0.00207	0.08	0.2710
465553	3741938	0.00367	0.13	0.00152	0.06	0.1864
466553	3741938	0.00435	0.15	0.00178	0.07	0.2202
467553	3741938	0.00379	0.13	0.00155	0.06	0.1918
468553	3741938	0.00346	0.12	0.00162	0.06	0.1826
469553	3741938	0.0044	0.16	0.00189	0.07	0.2260
470553	3741938	0.00449	0.16	0.00184	0.07	0.2274
471553	3741938	0.00426	0.15	0.0024	0.09	0.2397
472553	3741938	0.00821	0.29	0.00377	0.14	0.4306
473553	3741938	0.00743	0.26	0.00201	0.07	0.3382
474553	3741938	0.00462	0.16	0.0021	0.08	0.2415
475553	3741938	0.00593	0.21	0.00241	0.09	0.2995
476553	3741938	0.00443	0.16	0.00276	0.10	0.2590
477553	3741938	0.00968	0.34	0.00467	0.17	0.5160
478553	3741938	0.01113	0.40	0.00404	0.15	0.5444
479553	3741938	0.00846	0.30	0.00339	0.12	0.4256
480553	3741938	0.00877	0.31	0.00348	0.13	0.4399
481553	3741938	0.00734	0.26	0.00293	0.11	0.3688
482553	3741938	0.00936	0.33	0.00402	0.15	0.4807
483553	3741938	0.0078	0.28	0.00316	0.12	0.3936
484553	3741938	0.00847	0.30	0.00339	0.12	0.4259
485553	3741938	0.01077	0.38	0.00431	0.16	0.5415
486553	3741938	0.01062	0.38	0.00429	0.16	0.5355
487553	3741938	0.00682	0.24	0.00275	0.10	0.3437
488553	3741938	0.00842	0.30	0.00337	0.12	0.4234
489553	3741938	0.00718	0.26	0.00276	0.10	0.3569
490553	3741938	0.01035	0.37	0.00387	0.14	0.5104
491553	3741938	0.01309	0.47	0.00551	0.20	0.6682
492553	3741938	0.00764	0.27	0.00337	0.12	0.3956
493553	3741938	0.00647	0.23	0.00269	0.10	0.3290
494553	3741938	0.00801	0.28	0.00391	0.14	0.4287
495553	3741938	0.0118	0.42	0.0038	0.14	0.5594
496553	3741938	0.00728	0.26	0.00358	0.13	0.3906
497553	3741938	0.00766	0.27	0.00281	0.10	0.3758
498553	3741938	0.00795	0.28	0.0033	0.12	0.4041
499553	3741938	0.00691	0.25	0.00306	0.11	0.3583
500553	3741938	0.00707	0.25	0.00298	0.11	0.3610
501553	3741938	0.00584	0.21	0.00276	0.10	0.3092
502553	3741938	0.00592	0.21	0.00248	0.09	0.3017
503553	3741938	0.00582	0.21	0.00234	0.09	0.2930
504553	3741938	0.00616	0.22	0.00224	0.08	0.3015
505553	3741938	0.00482	0.17	0.00217	0.08	0.2512
461553	3742938	0.00269	0.10	0.00118	0.04	0.1391
462553	3742938	0.00285	0.10	0.00134	0.05	0.1506
463553	3742938	0.00328	0.12	0.00162	0.06	0.1762
464553	3742938	0.00387	0.14	0.0019	0.07	0.2075
465553	3742938	0.00475	0.17	0.00207	0.08	0.2451
466553	3742938	0.00571	0.20	0.00215	0.08	0.2821
467553	3742938	0.00514	0.18	0.002	0.07	0.2564
468553	3742938	0.00543	0.19	0.00177	0.07	0.2582
469553	3742938	0.00442	0.16	0.00183	0.07	0.2245
470553	3742938	0.00474	0.17	0.00196	0.07	0.2407
471553	3742938	0.00547	0.19	0.00177	0.07	0.2596

472553	3742938	0.00449	0.16	0.00223	0.08	0.2417
473553	3742938	0.00722	0.26	0.00316	0.12	0.3730
474553	3742938	0.00808	0.29	0.0022	0.08	0.3683
475553	3742938	0.00448	0.16	0.00172	0.06	0.2226
476553	3742938	0.00443	0.16	0.00178	0.07	0.2230
477553	3742938	0.00573	0.20	0.00345	0.13	0.3306
478553	3742938	0.01167	0.42	0.00525	0.19	0.6081
479553	3742938	0.01102	0.39	0.0037	0.14	0.5280
480553	3742938	0.00931	0.33	0.00387	0.14	0.4734
481553	3742938	0.00947	0.34	0.00351	0.13	0.4659
482553	3742938	0.00823	0.29	0.00384	0.14	0.4339
483553	3742938	0.00992	0.35	0.00365	0.13	0.4870
484553	3742938	0.00953	0.34	0.00383	0.14	0.4798
485553	3742938	0.01207	0.43	0.00482	0.18	0.6065
486553	3742938	0.01178	0.42	0.00472	0.17	0.5925
487553	3742938	0.00767	0.27	0.00302	0.11	0.3838
488553	3742938	0.00932	0.33	0.00375	0.14	0.4694
489553	3742938	0.00876	0.31	0.00337	0.12	0.4355
490553	3742938	0.01295	0.46	0.00488	0.18	0.6400
491553	3742938	0.01209	0.43	0.00522	0.19	0.6219
492553	3742938	0.00957	0.34	0.00464	0.17	0.5110
493553	3742938	0.00906	0.32	0.00324	0.12	0.4414
494553	3742938	0.0094	0.33	0.00484	0.18	0.5123
495553	3742938	0.00868	0.31	0.0041	0.15	0.4595
496553	3742938	0.00842	0.30	0.00304	0.11	0.4113
497553	3742938	0.00867	0.31	0.0036	0.13	0.4407
498553	3742938	0.00764	0.27	0.00329	0.12	0.3927
499553	3742938	0.00734	0.26	0.00321	0.12	0.3791
500553	3742938	0.00637	0.23	0.00285	0.10	0.3314
501553	3742938	0.00597	0.21	0.00268	0.10	0.3109
502553	3742938	0.0071	0.25	0.00365	0.13	0.3867
503553	3742938	0.00623	0.22	0.00208	0.08	0.2981
504553	3742938	0.00431	0.15	0.00232	0.09	0.2386
505553	3742938	0.00393	0.14	0.00158	0.06	0.1979
461553	3743938	0.00251	0.09	0.00111	0.04	0.1301
462553	3743938	0.00271	0.10	0.00117	0.04	0.1394
463553	3743938	0.00289	0.10	0.00122	0.04	0.1476
464553	3743938	0.00305	0.11	0.00143	0.05	0.1611
465553	3743938	0.00344	0.12	0.00172	0.06	0.1856
466553	3743938	0.00421	0.15	0.00199	0.07	0.2229
467553	3743938	0.00498	0.18	0.00221	0.08	0.2584
468553	3743938	0.0055	0.20	0.00226	0.08	0.2787
469553	3743938	0.00563	0.20	0.00214	0.08	0.2789
470553	3743938	0.00532	0.19	0.00195	0.07	0.2609
471553	3743938	0.00438	0.16	0.00213	0.08	0.2341
472553	3743938	0.00509	0.18	0.00206	0.08	0.2568
473553	3743938	0.00494	0.18	0.00211	0.08	0.2533
474553	3743938	0.00686	0.24	0.00319	0.12	0.3613
475553	3743938	0.00685	0.24	0.00251	0.09	0.3359
476553	3743938	0.00509	0.18	0.00193	0.07	0.2520
477553	3743938	0.00503	0.18	0.00198	0.07	0.2517
478553	3743938	0.00775	0.28	0.00442	0.16	0.4381
479553	3743938	0.01384	0.49	0.00553	0.20	0.6956
480553	3743938	0.01063	0.38	0.0043	0.16	0.5362
481553	3743938	0.01137	0.40	0.00442	0.16	0.5669
482553	3743938	0.00946	0.34	0.00372	0.14	0.4733
483553	3743938	0.01761	0.63	0.00584	0.21	0.8411
484553	3743938	0.00858	0.31	0.00355	0.13	0.4357
485553	3743938	0.01378	0.49	0.00552	0.20	0.6931
486553	3743938	0.01326	0.47	0.00527	0.19	0.6654
487553	3743938	0.0093	0.33	0.00356	0.13	0.4617
488553	3743938	0.0101	0.36	0.00409	0.15	0.5096
489553	3743938	0.01149	0.41	0.00415	0.15	0.5613
490553	3743938	0.01535	0.55	0.00598	0.22	0.7658
491553	3743938	0.01219	0.43	0.00512	0.19	0.6218
492553	3743938	0.01091	0.39	0.00348	0.13	0.5160
493553	3743938	0.01233	0.44	0.00513	0.19	0.6272
494553	3743938	0.01041	0.37	0.00455	0.17	0.5376

495553	3743938	0.00932	0.33	0.00329	0.12	0.4525
496553	3743938	0.00962	0.34	0.00399	0.15	0.4889
497553	3743938	0.00853	0.30	0.00358	0.13	0.4350
498553	3743938	0.00774	0.28	0.00348	0.13	0.4032
499553	3743938	0.00694	0.25	0.00289	0.11	0.3531
500553	3743938	0.00682	0.24	0.00281	0.10	0.3459
501553	3743938	0.0111	0.39	0.00319	0.12	0.5121
502553	3743938	0.00604	0.21	0.00286	0.11	0.3200
503553	3743938	0.00492	0.18	0.00219	0.08	0.2555
504553	3743938	0.00577	0.21	0.00211	0.08	0.2828
505553	3743938	0.00565	0.20	0.00214	0.08	0.2796
461553	3744938	0.00237	0.08	0.001	0.04	0.1211
462553	3744938	0.00239	0.09	0.00113	0.04	0.1266
463553	3744938	0.00267	0.09	0.00121	0.04	0.1395
464553	3744938	0.00293	0.10	0.00129	0.05	0.1516
465553	3744938	0.00319	0.11	0.00136	0.05	0.1635
466553	3744938	0.00344	0.12	0.00157	0.06	0.1801
467553	3744938	0.00451	0.16	0.00218	0.08	0.2406
468553	3744938	0.00504	0.18	0.00232	0.09	0.2646
469553	3744938	0.00698	0.25	0.00287	0.11	0.3538
470553	3744938	0.00753	0.27	0.00256	0.09	0.3620
471553	3744938	0.007	0.25	0.00234	0.09	0.3350
472553	3744938	0.00612	0.22	0.00233	0.09	0.3033
473553	3744938	0.00592	0.21	0.00227	0.08	0.2940
474553	3744938	0.00701	0.25	0.00228	0.08	0.3332
475553	3744938	0.00586	0.21	0.00301	0.11	0.3191
476553	3744938	0.0076	0.27	0.00288	0.11	0.3762
477553	3744938	0.00597	0.21	0.00219	0.08	0.2929
478553	3744938	0.00581	0.21	0.00226	0.08	0.2897
479553	3744938	0.01062	0.38	0.00565	0.21	0.5854
480553	3744938	0.01581	0.56	0.00555	0.20	0.7664
481553	3744938	0.01256	0.45	0.00504	0.19	0.6320
482553	3744938	0.01274	0.45	0.00458	0.17	0.6215
483553	3744938	0.01304	0.46	0.00557	0.20	0.6686
484553	3744938	0.01196	0.43	0.00484	0.18	0.6034
485553	3744938	0.01121	0.40	0.00475	0.17	0.5734
486553	3744938	0.01548	0.55	0.00611	0.22	0.7753
487553	3744938	0.0113	0.40	0.0043	0.16	0.5600
488553	3744938	0.01052	0.37	0.00434	0.16	0.5337
489553	3744938	0.01567	0.56	0.0056	0.21	0.7633
490553	3744938	0.01644	0.58	0.00683	0.25	0.8359
491553	3744938	0.01053	0.37	0.005	0.18	0.5584
492553	3744938	0.01451	0.52	0.00547	0.20	0.7172
493553	3744938	0.01254	0.45	0.00505	0.19	0.6317
494553	3744938	0.01058	0.38	0.00393	0.14	0.5208
495553	3744938	0.01088	0.39	0.00445	0.16	0.5506
496553	3744938	0.00962	0.34	0.00395	0.15	0.4874
497553	3744938	0.00813	0.29	0.00383	0.14	0.4300
498553	3744938	0.00742	0.26	0.00316	0.12	0.3801
499553	3744938	0.00878	0.31	0.00288	0.11	0.4182
500553	3744938	0.00987	0.35	0.00374	0.14	0.4886
501553	3744938	0.00589	0.21	0.00309	0.11	0.3231
502553	3744938	0.00799	0.28	0.0028	0.10	0.3871
503553	3744938	0.00888	0.32	0.00339	0.12	0.4405
504553	3744938	0.00503	0.18	0.00285	0.10	0.2837
505553	3744938	0.00636	0.23	0.00215	0.08	0.3053
461553	3745938	0.003	0.11	0.00104	0.04	0.1449
462553	3745938	0.00288	0.10	0.00109	0.04	0.1425
463553	3745938	0.00267	0.09	0.00105	0.04	0.1336
464553	3745938	0.0026	0.09	0.00116	0.04	0.1351
465553	3745938	0.00269	0.10	0.00127	0.05	0.1424
466553	3745938	0.00313	0.11	0.00142	0.05	0.1635
467553	3745938	0.00355	0.13	0.00153	0.06	0.1825
468553	3745938	0.00348	0.12	0.00174	0.06	0.1877
469553	3745938	0.00453	0.16	0.00227	0.08	0.2446
470553	3745938	0.00577	0.21	0.00344	0.13	0.3317
471553	3745938	0.0079	0.28	0.0032	0.12	0.3986
472553	3745938	0.00892	0.32	0.00287	0.11	0.4228

473553	3745938	0.00867	0.31	0.00262	0.10	0.4047
474553	3745938	0.0063	0.22	0.00297	0.11	0.3333
475553	3745938	0.00693	0.25	0.00256	0.09	0.3406
476553	3745938	0.0062	0.22	0.00321	0.12	0.3385
477553	3745938	0.00856	0.30	0.00332	0.12	0.4265
478553	3745938	0.0072	0.26	0.00254	0.09	0.3495
479553	3745938	0.00687	0.24	0.00325	0.12	0.3638
480553	3745938	0.01473	0.52	0.00712	0.26	0.7857
481553	3745938	0.01679	0.60	0.00573	0.21	0.8079
482553	3745938	0.01608	0.57	0.00621	0.23	0.8003
483553	3745938	0.01337	0.48	0.00534	0.20	0.6719
484553	3745938	0.01462	0.52	0.00537	0.20	0.7175
485553	3745938	0.01952	0.69	0.00895	0.33	1.0233
486553	3745938	0.01931	0.69	0.00826	0.30	0.9905
487553	3745938	0.01385	0.49	0.00525	0.19	0.6857
488553	3745938	0.01246	0.44	0.00444	0.16	0.6064
489553	3745938	0.02081	0.74	0.0076	0.28	1.0196
490553	3745938	0.01666	0.59	0.0069	0.25	0.8463
491553	3745938	0.01624	0.58	0.0053	0.19	0.7725
492553	3745938	0.01493	0.53	0.0064	0.24	0.7663
493553	3745938	0.01224	0.44	0.00499	0.18	0.6188
494553	3745938	0.01262	0.45	0.00514	0.19	0.6379
495553	3745938	0.011	0.39	0.00439	0.16	0.5527
496553	3745938	0.00881	0.31	0.00428	0.16	0.4707
497553	3745938	0.00879	0.31	0.00363	0.13	0.4461
498553	3745938	0.01107	0.39	0.00378	0.14	0.5327
499553	3745938	0.01416	0.50	0.00651	0.24	0.7430
500553	3745938	0.01191	0.42	0.0052	0.19	0.6148
501553	3745938	0.01301	0.46	0.00493	0.18	0.6440
502553	3745938	0.00976	0.35	0.00588	0.22	0.5633
503553	3745938	0.01062	0.38	0.00386	0.14	0.5197
504553	3745938	0.00638	0.23	0.00348	0.13	0.3549
505553	3745938	0.00509	0.18	0.00271	0.10	0.2807
461553	3746938	0.00299	0.11	0.00135	0.05	0.1560
462553	3746938	0.00337	0.12	0.0014	0.05	0.1713
463553	3746938	0.00347	0.12	0.00132	0.05	0.1720
464553	3746938	0.00328	0.12	0.00114	0.04	0.1586
465553	3746938	0.00318	0.11	0.00118	0.04	0.1565
466553	3746938	0.003	0.11	0.00122	0.04	0.1516
467553	3746938	0.00301	0.11	0.00142	0.05	0.1593
468553	3746938	0.00342	0.12	0.00161	0.06	0.1808
469553	3746938	0.00395	0.14	0.00176	0.06	0.2052
470553	3746938	0.00427	0.15	0.00204	0.07	0.2269
471553	3746938	0.00496	0.18	0.00263	0.10	0.2731
472553	3746938	0.00672	0.24	0.00333	0.12	0.3614
473553	3746938	0.01003	0.36	0.00437	0.16	0.5174
474553	3746938	0.01112	0.40	0.00378	0.14	0.5345
475553	3746938	0.00817	0.29	0.00313	0.12	0.4057
476553	3746938	0.00817	0.29	0.00318	0.12	0.4075
477553	3746938	0.00802	0.29	0.00337	0.12	0.4092
478553	3746938	0.00968	0.34	0.00397	0.15	0.4903
479553	3746938	0.00895	0.32	0.00304	0.11	0.4301
480553	3746938	0.00844	0.30	0.00488	0.18	0.4796
481553	3746938	0.02074	0.74	0.00882	0.32	1.0620
482553	3746938	0.01833	0.65	0.00717	0.26	0.9156
483553	3746938	0.01871	0.67	0.00648	0.24	0.9038
484553	3746938	0.01934	0.69	0.007	0.26	0.9453
485553	3746938	0.01859	0.66	0.00764	0.28	0.9421
486553	3746938	0.02917	1.04	0.01141	0.42	1.4571
487553	3746938	0.0181	0.64	0.00674	0.25	0.8916
488553	3746938	0.01904	0.68	0.00634	0.23	0.9104
489553	3746938	0.02565	0.91	0.01013	0.37	1.2848
490553	3746938	0.01573	0.56	0.00677	0.25	0.8084
491553	3746938	0.01936	0.69	0.00787	0.29	0.9780
492553	3746938	0.01448	0.52	0.0064	0.24	0.7503
493553	3746938	0.01512	0.54	0.0061	0.22	0.7621
494553	3746938	0.01285	0.46	0.00505	0.19	0.6427
495553	3746938	0.01026	0.37	0.00462	0.17	0.5348

496553	3746938	0.01211	0.43	0.00397	0.15	0.5767
497553	3746938	0.01324	0.47	0.005	0.18	0.6548
498553	3746938	0.015	0.53	0.00663	0.24	0.7773
499553	3746938	0.01246	0.44	0.00501	0.18	0.6274
500553	3746938	0.00848	0.30	0.00545	0.20	0.5020
501553	3746938	0.01015	0.36	0.0041	0.15	0.5118
502553	3746938	0.00756	0.27	0.00436	0.16	0.4292
503553	3746938	0.00662	0.24	0.00349	0.13	0.3638
504553	3746938	0.00835	0.30	0.00287	0.11	0.4025
505553	3746938	0.0078	0.28	0.00303	0.11	0.3888
461553	3747938	0.00192	0.07	0.00106	0.04	0.1073
462553	3747938	0.00224	0.08	0.00124	0.05	0.1253
463553	3747938	0.00253	0.09	0.00131	0.05	0.1381
464553	3747938	0.00297	0.11	0.00142	0.05	0.1578
465553	3747938	0.00345	0.12	0.00151	0.06	0.1782
466553	3747938	0.00453	0.16	0.00155	0.06	0.2181
467553	3747938	0.00471	0.17	0.00157	0.06	0.2253
468553	3747938	0.00413	0.15	0.00177	0.07	0.2120
469553	3747938	0.00411	0.15	0.00152	0.06	0.2021
470553	3747938	0.00435	0.15	0.00174	0.06	0.2187
471553	3747938	0.00476	0.17	0.00191	0.07	0.2395
472553	3747938	0.00498	0.18	0.00217	0.08	0.2569
473553	3747938	0.00595	0.21	0.00316	0.12	0.3278
474553	3747938	0.00721	0.26	0.0036	0.13	0.3888
475553	3747938	0.00913	0.32	0.00395	0.15	0.4700
476553	3747938	0.01016	0.36	0.00371	0.14	0.4978
477553	3747938	0.00963	0.34	0.00393	0.14	0.4870
478553	3747938	0.01047	0.37	0.00356	0.13	0.5033
479553	3747938	0.01095	0.39	0.00486	0.18	0.5682
480553	3747938	0.01159	0.41	0.00378	0.14	0.5512
481553	3747938	0.00921	0.33	0.00516	0.19	0.5173
482553	3747938	0.02768	0.98	0.00877	0.32	1.3070
483553	3747938	0.03079	1.10	0.00936	0.34	1.4394
484553	3747938	0.02482	0.88	0.00913	0.34	1.2185
485553	3747938	0.02419	0.86	0.00892	0.33	1.1884
486553	3747938	0.02679	0.95	0.01026	0.38	1.3301
487553	3747938	0.02251	0.80	0.01002	0.37	1.1690
488553	3747938	0.02984	1.06	0.00988	0.36	1.4247
489553	3747938	0.02485	0.88	0.0107	0.39	1.2773
490553	3747938	0.02549	0.91	0.00886	0.33	1.2324
491553	3747938	0.01766	0.63	0.00823	0.30	0.9307
492553	3747938	0.01858	0.66	0.0074	0.27	0.9329
493553	3747938	0.01503	0.53	0.00623	0.23	0.7637
494553	3747938	0.01233	0.44	0.00503	0.18	0.6235
495553	3747938	0.01589	0.57	0.00513	0.19	0.7538
496553	3747938	0.01895	0.67	0.00909	0.33	1.0082
497553	3747938	0.01677	0.60	0.00639	0.23	0.8314
498553	3747938	0.01519	0.54	0.00853	0.31	0.8539
499553	3747938	0.01144	0.41	0.00483	0.18	0.5845
500553	3747938	0.00789	0.28	0.00542	0.20	0.4799
501553	3747938	0.00779	0.28	0.0035	0.13	0.4058
502553	3747938	0.00805	0.29	0.00283	0.10	0.3904
503553	3747938	0.0067	0.24	0.00353	0.13	0.3681
504553	3747938	0.00576	0.20	0.00324	0.12	0.3240
505553	3747938	0.00548	0.19	0.00266	0.10	0.2927
461553	3748938	0.0022	0.08	0.00084	0.03	0.1091
462553	3748938	0.00202	0.07	0.00079	0.03	0.1009
463553	3748938	0.00209	0.07	0.00083	0.03	0.1049
464553	3748938	0.00219	0.08	0.00102	0.04	0.1154
465553	3748938	0.00223	0.08	0.00126	0.05	0.1256
466553	3748938	0.00262	0.09	0.00148	0.05	0.1476
467553	3748938	0.00329	0.12	0.0017	0.06	0.1795
468553	3748938	0.0041	0.15	0.00213	0.08	0.2241
469553	3748938	0.005	0.18	0.00182	0.07	0.2448
470553	3748938	0.00603	0.21	0.0019	0.07	0.2843
471553	3748938	0.00531	0.19	0.00205	0.08	0.2642
472553	3748938	0.00548	0.19	0.00205	0.08	0.2703
473553	3748938	0.00461	0.16	0.00233	0.09	0.2496

474553	3748938	0.0057	0.20	0.0026	0.10	0.2983
475553	3748938	0.00666	0.24	0.00343	0.13	0.3630
476553	3748938	0.00873	0.31	0.00443	0.16	0.4734
477553	3748938	0.01165	0.41	0.00487	0.18	0.5934
478553	3748938	0.01302	0.46	0.00486	0.18	0.6418
479553	3748938	0.01365	0.49	0.00495	0.18	0.6675
480553	3748938	0.01329	0.47	0.00611	0.22	0.6973
481553	3748938	0.02079	0.74	0.00719	0.26	1.0038
482553	3748938	0.0108	0.38	0.00885	0.33	0.7094
483553	3748938	0.03809	1.36	0.01513	0.56	1.9111
484553	3748938	0.0341	1.21	0.01169	0.43	1.6427
485553	3748938	0.03302	1.17	0.01179	0.43	1.6080
486553	3748938	0.03881	1.38	0.01276	0.47	1.8496
487553	3748938	0.03247	1.16	0.01435	0.53	1.6825
488553	3748938	0.04316	1.54	0.01525	0.56	2.0959
489553	3748938	0.03007	1.07	0.00991	0.36	1.4340
490553	3748938	0.0248	0.88	0.01124	0.41	1.2953
491553	3748938	0.02402	0.85	0.00939	0.35	1.1996
492553	3748938	0.01761	0.63	0.00797	0.29	0.9194
493553	3748938	0.01908	0.68	0.00604	0.22	0.9008
494553	3748938	0.02157	0.77	0.00738	0.27	1.0386
495553	3748938	0.02433	0.87	0.01007	0.37	1.2356
496553	3748938	0.01319	0.47	0.00813	0.30	0.7680
497553	3748938	0.01384	0.49	0.00666	0.24	0.7371
498553	3748938	0.01216	0.43	0.00759	0.28	0.7115
499553	3748938	0.01143	0.41	0.00415	0.15	0.5591
500553	3748938	0.00806	0.29	0.0041	0.15	0.4374
501553	3748938	0.006	0.21	0.00383	0.14	0.3542
502553	3748938	0.00602	0.21	0.00292	0.11	0.3215
503553	3748938	0.0062	0.22	0.00248	0.09	0.3117
504553	3748938	0.00613	0.22	0.00223	0.08	0.3000
505553	3748938	0.00533	0.19	0.00234	0.09	0.2756
461553	3749938	0.00299	0.11	0.00098	0.04	0.1424
462553	3749938	0.00292	0.10	0.00099	0.04	0.1403
463553	3749938	0.00289	0.10	0.00102	0.04	0.1403
464553	3749938	0.00281	0.10	0.00104	0.04	0.1382
465553	3749938	0.00283	0.10	0.00101	0.04	0.1378
466553	3749938	0.0028	0.10	0.00103	0.04	0.1375
467553	3749938	0.00279	0.10	0.00104	0.04	0.1375
468553	3749938	0.0028	0.10	0.00127	0.05	0.1463
469553	3749938	0.00315	0.11	0.00159	0.06	0.1705
470553	3749938	0.00494	0.18	0.00207	0.08	0.2518
471553	3749938	0.00519	0.18	0.00271	0.10	0.2842
472553	3749938	0.0056	0.20	0.00254	0.09	0.2926
473553	3749938	0.00543	0.19	0.00206	0.08	0.2689
474553	3749938	0.00562	0.20	0.00205	0.08	0.2753
475553	3749938	0.00519	0.18	0.0027	0.10	0.2839
476553	3749938	0.0066	0.23	0.00328	0.12	0.3553
477553	3749938	0.00861	0.31	0.00432	0.16	0.4651
478553	3749938	0.0113	0.40	0.00586	0.22	0.6174
479553	3749938	0.01608	0.57	0.00642	0.24	0.8080
480553	3749938	0.01785	0.64	0.007	0.26	0.8923
481553	3749938	0.02056	0.73	0.00794	0.29	1.0232
482553	3749938	0.03001	1.07	0.00943	0.35	1.4142
483553	3749938	0.03483	1.24	0.02293	0.84	2.0817
484553	3749938	0.03564	1.27	0.01572	0.58	1.8456
485553	3749938	0.03306	1.18	0.01165	0.43	1.6043
486553	3749938	0.04646	1.65	0.01947	0.72	2.3684
487553	3749938	0.04286	1.52	0.01545	0.57	2.0926
488553	3749938	0.04601	1.64	0.01951	0.72	2.3538
489553	3749938	0.03924	1.40	0.01599	0.59	1.9836
490553	3749938	0.03295	1.17	0.01253	0.46	1.6327
491553	3749938	0.02215	0.79	0.01038	0.38	1.1695
492553	3749938	0.02964	1.05	0.0083	0.31	1.3595
493553	3749938	0.02806	1.00	0.01081	0.40	1.3955
494553	3749938	0.0195	0.69	0.01031	0.38	1.0726
495553	3749938	0.01304	0.46	0.00776	0.29	0.7491
496553	3749938	0.01532	0.55	0.00699	0.26	0.8019

497553	3749938	0.01641	0.58	0.00761	0.28	0.8635
498553	3749938	0.00949	0.34	0.00703	0.26	0.5960
499553	3749938	0.00755	0.27	0.00379	0.14	0.4079
500553	3749938	0.00771	0.27	0.00325	0.12	0.3937
501553	3749938	0.00646	0.23	0.00295	0.11	0.3382
502553	3749938	0.00658	0.23	0.00309	0.11	0.3476
503553	3749938	0.0062	0.22	0.00274	0.10	0.3213
504553	3749938	0.00635	0.23	0.0024	0.09	0.3141
505553	3749938	0.00579	0.21	0.00225	0.08	0.2887
461553	3750938	0.00294	0.10	0.00137	0.05	0.1549
462553	3750938	0.00318	0.11	0.00142	0.05	0.1653
463553	3750938	0.00345	0.12	0.00145	0.05	0.1760
464553	3750938	0.00366	0.13	0.00145	0.05	0.1835
465553	3750938	0.00383	0.14	0.00141	0.05	0.1881
466553	3750938	0.0041	0.15	0.00139	0.05	0.1969
467553	3750938	0.00437	0.16	0.00135	0.05	0.2051
468553	3750938	0.00436	0.16	0.00138	0.05	0.2058
469553	3750938	0.00426	0.15	0.00138	0.05	0.2023
470553	3750938	0.00527	0.19	0.00173	0.06	0.2511
471553	3750938	0.00558	0.20	0.00206	0.08	0.2742
472553	3750938	0.00491	0.17	0.00171	0.06	0.2375
473553	3750938	0.00371	0.13	0.00202	0.07	0.2062
474553	3750938	0.004	0.14	0.00248	0.09	0.2334
475553	3750938	0.00536	0.19	0.00279	0.10	0.2932
476553	3750938	0.00681	0.24	0.0028	0.10	0.3452
477553	3750938	0.00779	0.28	0.00316	0.12	0.3933
478553	3750938	0.00806	0.29	0.0044	0.16	0.4484
479553	3750938	0.01154	0.41	0.00579	0.21	0.6233
480553	3750938	0.01572	0.56	0.00848	0.31	0.8709
481553	3750938	0.02427	0.86	0.00965	0.35	1.2181
482553	3750938	0.03093	1.10	0.00996	0.37	1.4664
483553	3750938	0.03246	1.15	0.00975	0.36	1.5131
484553	3750938	0.07156	2.55	0.02703	0.99	3.5391
485553	3750938	0.03903	1.39	0.01547	0.57	1.9570
486553	3750938	0.0413	1.47	0.01486	0.55	2.0154
487553	3750938	0.07759	2.76	0.02458	0.90	3.6636
488553	3750938	0.06813	2.42	0.02102	0.77	3.1963
489553	3750938	0.05002	1.78	0.01807	0.66	2.4436
490553	3750938	0.04108	1.46	0.01416	0.52	1.9818
491553	3750938	0.04327	1.54	0.01415	0.52	2.0594
492553	3750938	0.0281	1.00	0.01528	0.56	1.5612
493553	3750938	0.02784	0.99	0.01037	0.38	1.3715
494553	3750938	0.02613	0.93	0.00927	0.34	1.2703
495553	3750938	0.01532	0.55	0.01126	0.41	0.9588
496553	3750938	0.01189	0.42	0.00554	0.20	0.6266
497553	3750938	0.01025	0.36	0.00474	0.17	0.5388
498553	3750938	0.00905	0.32	0.00468	0.17	0.4939
499553	3750938	0.00845	0.30	0.00393	0.14	0.4450
500553	3750938	0.00785	0.28	0.00343	0.13	0.4053
501553	3750938	0.00699	0.25	0.00316	0.12	0.3648
502553	3750938	0.00613	0.22	0.00311	0.11	0.3324
503553	3750938	0.00567	0.20	0.00268	0.10	0.3002
504553	3750938	0.00568	0.20	0.00234	0.09	0.2881
505553	3750938	0.00513	0.18	0.00213	0.08	0.2608
461553	3751938	0.00272	0.10	0.00116	0.04	0.1394
462553	3751938	0.00285	0.10	0.00118	0.04	0.1448
463553	3751938	0.00299	0.11	0.0012	0.04	0.1505
464553	3751938	0.00317	0.11	0.00133	0.05	0.1617
465553	3751938	0.00338	0.12	0.0015	0.06	0.1754
466553	3751938	0.0036	0.13	0.00167	0.06	0.1894
467553	3751938	0.00379	0.13	0.00184	0.07	0.2025
468553	3751938	0.00396	0.14	0.00199	0.07	0.2140
469553	3751938	0.00435	0.15	0.00211	0.08	0.2323
470553	3751938	0.00535	0.19	0.00223	0.08	0.2723
471553	3751938	0.00715	0.25	0.00245	0.09	0.3444
472553	3751938	0.00585	0.21	0.00217	0.08	0.2879
473553	3751938	0.00608	0.22	0.002	0.07	0.2898
474553	3751938	0.00637	0.23	0.002	0.07	0.3001

475553	3751938	0.00652	0.23	0.00199	0.07	0.3051
476553	3751938	0.00643	0.23	0.00213	0.08	0.3070
477553	3751938	0.00632	0.22	0.00308	0.11	0.3380
478553	3751938	0.00676	0.24	0.00401	0.15	0.3879
479553	3751938	0.00918	0.33	0.00444	0.16	0.4898
480553	3751938	0.01255	0.45	0.00605	0.22	0.6688
481553	3751938	0.01593	0.57	0.00855	0.31	0.8809
482553	3751938	0.02585	0.92	0.01423	0.52	1.4426
483553	3751938	0.04623	1.64	0.01839	0.68	2.3205
484553	3751938	0.06497	2.31	0.01889	0.69	3.0056
485553	3751938	0.11753	4.18	0.0439	1.61	5.7945
486553	3751938	0.06394	2.27	0.02128	0.78	3.0567
487553	3751938	0.11769	4.19	0.05475	2.01	6.1989
488553	3751938	0.09056	3.22	0.02944	1.08	4.3036
489553	3751938	0.08721	3.10	0.02028	0.75	3.8479
490553	3751938	0.05148	1.83	0.02652	0.97	2.8060
491553	3751938	0.03713	1.32	0.01582	0.58	1.9023
492553	3751938	0.02771	0.99	0.01292	0.47	1.4606
493553	3751938	0.027	0.96	0.01313	0.48	1.4431
494553	3751938	0.02004	0.71	0.01032	0.38	1.0922
495553	3751938	0.01599	0.57	0.00833	0.31	0.8750
496553	3751938	0.0119	0.42	0.0054	0.20	0.6218
497553	3751938	0.00898	0.32	0.00519	0.19	0.5102
498553	3751938	0.0084	0.30	0.00443	0.16	0.4616
499553	3751938	0.00763	0.27	0.00365	0.13	0.4056
500553	3751938	0.00677	0.24	0.00315	0.12	0.3566
501553	3751938	0.00702	0.25	0.00313	0.12	0.3648
502553	3751938	0.00713	0.25	0.00282	0.10	0.3573
503553	3751938	0.00696	0.25	0.00255	0.09	0.3413
504553	3751938	0.00706	0.25	0.00228	0.08	0.3350
505553	3751938	0.00697	0.25	0.00208	0.08	0.3244
461553	3752938	0.00244	0.09	0.00101	0.04	0.1239
462553	3752938	0.00255	0.09	0.00105	0.04	0.1293
463553	3752938	0.00268	0.10	0.00113	0.04	0.1369
464553	3752938	0.00281	0.10	0.00121	0.04	0.1444
465553	3752938	0.003	0.11	0.00132	0.05	0.1552
466553	3752938	0.00325	0.12	0.00146	0.05	0.1693
467553	3752938	0.00351	0.12	0.00161	0.06	0.1840
468553	3752938	0.00375	0.13	0.00175	0.06	0.1977
469553	3752938	0.00396	0.14	0.00187	0.07	0.2096
470553	3752938	0.00421	0.15	0.00199	0.07	0.2229
471553	3752938	0.00435	0.15	0.0021	0.08	0.2319
472553	3752938	0.00457	0.16	0.00219	0.08	0.2431
473553	3752938	0.00489	0.17	0.00241	0.09	0.2625
474553	3752938	0.0055	0.20	0.00269	0.10	0.2945
475553	3752938	0.00636	0.23	0.00314	0.12	0.3417
476553	3752938	0.00743	0.26	0.00361	0.13	0.3970
477553	3752938	0.00875	0.31	0.00406	0.15	0.4605
478553	3752938	0.0104	0.37	0.00439	0.16	0.5313
479553	3752938	0.01236	0.44	0.00433	0.16	0.5988
480553	3752938	0.01491	0.53	0.00452	0.17	0.6965
481553	3752938	0.01782	0.63	0.00654	0.24	0.8743
482553	3752938	0.02084	0.74	0.00941	0.35	1.0872
483553	3752938	0.03052	1.09	0.01737	0.64	1.7241
484553	3752938	0.06941	2.47	0.03798	1.40	3.8650
485553	3752938	0.20839	7.41	0.05837	2.14	9.5587
486553	3752938	0.35492	12.63	0.06865	2.52	15.1495
487553	3752938	0.27583	9.81	0.08091	2.97	12.7863
488553	3752938	0.14069	5.01	0.06005	2.21	7.2119
489553	3752938	0.07829	2.79	0.03669	1.35	4.1335
490553	3752938	0.05032	1.79	0.02213	0.81	2.6034
491553	3752938	0.04648	1.65	0.02217	0.81	2.4683
492553	3752938	0.03562	1.27	0.01484	0.55	1.8126
493553	3752938	0.028	1.00	0.01471	0.54	1.5367
494553	3752938	0.02411	0.86	0.01	0.37	1.2252
495553	3752938	0.01914	0.68	0.0076	0.28	0.9602
496553	3752938	0.01161	0.41	0.00538	0.20	0.6107
497553	3752938	0.01068	0.38	0.00496	0.18	0.5622

498553	3752938	0.00927	0.33	0.00465	0.17	0.5007
499553	3752938	0.00837	0.30	0.00445	0.16	0.4613
500553	3752938	0.00816	0.29	0.00387	0.14	0.4325
501553	3752938	0.00748	0.27	0.0037	0.14	0.4021
502553	3752938	0.00687	0.24	0.00328	0.12	0.3649
503553	3752938	0.00629	0.22	0.00297	0.11	0.3329
504553	3752938	0.00576	0.20	0.00265	0.10	0.3023
505553	3752938	0.0053	0.19	0.00247	0.09	0.2793
461553	3753938	0.00281	0.10	0.00103	0.04	0.1378
462553	3753938	0.00292	0.10	0.00106	0.04	0.1428
463553	3753938	0.00305	0.11	0.00111	0.04	0.1493
464553	3753938	0.00318	0.11	0.00115	0.04	0.1554
465553	3753938	0.00341	0.12	0.00123	0.05	0.1665
466553	3753938	0.00366	0.13	0.00132	0.05	0.1787
467553	3753938	0.00389	0.14	0.0014	0.05	0.1898
468553	3753938	0.00424	0.15	0.00152	0.06	0.2067
469553	3753938	0.00458	0.16	0.00164	0.06	0.2232
470553	3753938	0.00479	0.17	0.00171	0.06	0.2332
471553	3753938	0.00489	0.17	0.00174	0.06	0.2379
472553	3753938	0.00529	0.19	0.00188	0.07	0.2573
473553	3753938	0.0057	0.20	0.00205	0.08	0.2781
474553	3753938	0.00591	0.21	0.00226	0.08	0.2933
475553	3753938	0.00649	0.23	0.00254	0.09	0.3242
476553	3753938	0.00717	0.26	0.00287	0.11	0.3605
477553	3753938	0.00802	0.29	0.00329	0.12	0.4062
478553	3753938	0.0091	0.32	0.00385	0.14	0.4652
479553	3753938	0.01051	0.37	0.0046	0.17	0.5429
480553	3753938	0.0132	0.47	0.00582	0.21	0.6835
481553	3753938	0.01894	0.67	0.00788	0.29	0.9634
482553	3753938	0.02868	1.02	0.01122	0.41	1.4326
483553	3753938	0.04226	1.50	0.02466	0.91	2.4097
484553	3753938	0.07525	2.68	0.0366	1.34	4.0221
485553	3753938	0.24889	8.85	0.07519	2.76	11.6177
486553	3753938	0.74476	26.50	0.45396	16.68	43.1778
487553	3753938	0.26965	9.59	0.20714	7.61	17.2051
488553	3753938	0.10815	3.85	0.062	2.28	6.1259
489553	3753938	0.06789	2.42	0.03472	1.28	3.6912
490553	3753938	0.04628	1.65	0.02955	1.09	2.7324
491553	3753938	0.0291	1.04	0.01898	0.70	1.7327
492553	3753938	0.02629	0.94	0.01506	0.55	1.4887
493553	3753938	0.02073	0.74	0.01073	0.39	1.1318
494553	3753938	0.01909	0.68	0.00934	0.34	1.0224
495553	3753938	0.01509	0.54	0.00738	0.27	0.8080
496553	3753938	0.01263	0.45	0.00649	0.24	0.6878
497553	3753938	0.01134	0.40	0.0058	0.21	0.6166
498553	3753938	0.01024	0.36	0.00518	0.19	0.5547
499553	3753938	0.00964	0.34	0.00466	0.17	0.5142
500553	3753938	0.00922	0.33	0.00424	0.16	0.4838
501553	3753938	0.00836	0.30	0.00386	0.14	0.4393
502553	3753938	0.00763	0.27	0.00353	0.13	0.4012
503553	3753938	0.00701	0.25	0.00323	0.12	0.3681
504553	3753938	0.00648	0.23	0.00297	0.11	0.3397
505553	3753938	0.00603	0.21	0.00273	0.10	0.3148
461553	3754938	0.00216	0.08	0.00115	0.04	0.1191
462553	3754938	0.00218	0.08	0.00119	0.04	0.1213
463553	3754938	0.0022	0.08	0.00123	0.05	0.1235
464553	3754938	0.0023	0.08	0.00128	0.05	0.1289
465553	3754938	0.00244	0.09	0.00133	0.05	0.1357
466553	3754938	0.00268	0.10	0.00143	0.05	0.1479
467553	3754938	0.00287	0.10	0.00149	0.05	0.1569
468553	3754938	0.0032	0.11	0.00156	0.06	0.1712
469553	3754938	0.00356	0.13	0.00164	0.06	0.1869
470553	3754938	0.00393	0.14	0.00171	0.06	0.2027
471553	3754938	0.00431	0.15	0.00177	0.07	0.2184
472553	3754938	0.0047	0.17	0.00183	0.07	0.2345
473553	3754938	0.00519	0.18	0.00197	0.07	0.2570
474553	3754938	0.00599	0.21	0.00221	0.08	0.2943
475553	3754938	0.00698	0.25	0.00251	0.09	0.3406

476553	3754938	0.00887	0.32	0.00296	0.11	0.4243
477553	3754938	0.01017	0.36	0.00362	0.13	0.4948
478553	3754938	0.0121	0.43	0.00456	0.17	0.5980
479553	3754938	0.01486	0.53	0.00581	0.21	0.7422
480553	3754938	0.01979	0.70	0.00881	0.32	1.0278
481553	3754938	0.02865	1.02	0.01097	0.40	1.4224
482553	3754938	0.03028	1.08	0.01582	0.58	1.6586
483553	3754938	0.04896	1.74	0.02701	0.99	2.7344
484553	3754938	0.06427	2.29	0.04579	1.68	3.9692
485553	3754938	0.12049	4.29	0.06841	2.51	6.8005
486553	3754938	0.09365	3.33	0.09173	3.37	6.7026
487553	3754938	0.09919	3.53	0.08122	2.98	6.5135
488553	3754938	0.07222	2.57	0.05707	2.10	4.6665
489553	3754938	0.04668	1.66	0.02479	0.91	2.5717
490553	3754938	0.02623	0.93	0.01732	0.64	1.5696
491553	3754938	0.0202	0.72	0.01335	0.49	1.2092
492553	3754938	0.01504	0.54	0.00827	0.30	0.8390
493553	3754938	0.01514	0.54	0.00673	0.25	0.7859
494553	3754938	0.01357	0.48	0.00682	0.25	0.7334
495553	3754938	0.01068	0.38	0.00618	0.23	0.6071
496553	3754938	0.00851	0.30	0.0052	0.19	0.4938
497553	3754938	0.00756	0.27	0.00439	0.16	0.4303
498553	3754938	0.00696	0.25	0.00428	0.16	0.4049
499553	3754938	0.00663	0.24	0.00405	0.15	0.3847
500553	3754938	0.007	0.25	0.00375	0.14	0.3868
501553	3754938	0.0071	0.25	0.00342	0.13	0.3783
502553	3754938	0.00649	0.23	0.0031	0.11	0.3448
503553	3754938	0.00578	0.21	0.00278	0.10	0.3078
504553	3754938	0.00505	0.18	0.0025	0.09	0.2715
505553	3754938	0.00468	0.17	0.00232	0.09	0.2518
461553	3755938	0.00243	0.09	0.00088	0.03	0.1188
462553	3755938	0.00254	0.09	0.00095	0.03	0.1253
463553	3755938	0.00265	0.09	0.00102	0.04	0.1318
464553	3755938	0.00275	0.10	0.00109	0.04	0.1379
465553	3755938	0.00297	0.11	0.00118	0.04	0.1490
466553	3755938	0.00337	0.12	0.00129	0.05	0.1673
467553	3755938	0.00371	0.13	0.00139	0.05	0.1831
468553	3755938	0.00411	0.15	0.0015	0.06	0.2013
469553	3755938	0.00426	0.15	0.00154	0.06	0.2081
470553	3755938	0.00497	0.18	0.00185	0.07	0.2448
471553	3755938	0.00592	0.21	0.00212	0.08	0.2885
472553	3755938	0.00619	0.22	0.00232	0.09	0.3055
473553	3755938	0.00679	0.24	0.00261	0.10	0.3375
474553	3755938	0.00748	0.27	0.00338	0.12	0.3903
475553	3755938	0.0082	0.29	0.00385	0.14	0.4332
476553	3755938	0.00977	0.35	0.00402	0.15	0.4953
477553	3755938	0.01296	0.46	0.00422	0.16	0.6161
478553	3755938	0.01513	0.54	0.00535	0.20	0.7349
479553	3755938	0.01358	0.48	0.00871	0.32	0.8032
480553	3755938	0.02637	0.94	0.0101	0.37	1.3093
481553	3755938	0.02292	0.82	0.013	0.48	1.2931
482553	3755938	0.02754	0.98	0.01881	0.69	1.6710
483553	3755938	0.02987	1.06	0.01842	0.68	1.7396
484553	3755938	0.05083	1.81	0.01838	0.68	2.4838
485553	3755938	0.06037	2.15	0.0301	1.11	3.2539
486553	3755938	0.04852	1.73	0.03045	1.12	2.8451
487553	3755938	0.04545	1.62	0.02924	1.07	2.6914
488553	3755938	0.03485	1.24	0.01815	0.67	1.9068
489553	3755938	0.02587	0.92	0.01784	0.66	1.5759
490553	3755938	0.026	0.92	0.01405	0.52	1.4413
491553	3755938	0.02045	0.73	0.01055	0.39	1.1152
492553	3755938	0.0171	0.61	0.00703	0.26	0.8667
493553	3755938	0.01326	0.47	0.00741	0.27	0.7440
494553	3755938	0.01047	0.37	0.00535	0.20	0.5691
495553	3755938	0.01024	0.36	0.00572	0.21	0.5745
496553	3755938	0.00907	0.32	0.0054	0.20	0.5211
497553	3755938	0.00808	0.29	0.00494	0.18	0.4690
498553	3755938	0.00804	0.29	0.00379	0.14	0.4253

499553	3755938	0.00753	0.27	0.00298	0.11	0.3774
500553	3755938	0.00709	0.25	0.00277	0.10	0.3540
501553	3755938	0.0069	0.25	0.00257	0.09	0.3399
502553	3755938	0.00524	0.19	0.0024	0.09	0.2746
503553	3755938	0.00472	0.17	0.00224	0.08	0.2502
504553	3755938	0.00449	0.16	0.00213	0.08	0.2380
505553	3755938	0.0041	0.15	0.0021	0.08	0.2230
461553	3756938	0.00287	0.10	0.00107	0.04	0.1414
462553	3756938	0.003	0.11	0.00116	0.04	0.1494
463553	3756938	0.00312	0.11	0.00125	0.05	0.1569
464553	3756938	0.00353	0.13	0.00134	0.05	0.1748
465553	3756938	0.00394	0.14	0.00144	0.05	0.1931
466553	3756938	0.00433	0.15	0.00154	0.06	0.2106
467553	3756938	0.00456	0.16	0.00167	0.06	0.2236
468553	3756938	0.00456	0.16	0.00186	0.07	0.2306
469553	3756938	0.00452	0.16	0.0021	0.08	0.2380
470553	3756938	0.00436	0.16	0.00236	0.09	0.2418
471553	3756938	0.00503	0.18	0.00255	0.09	0.2727
472553	3756938	0.00566	0.20	0.00249	0.09	0.2929
473553	3756938	0.00782	0.28	0.00249	0.09	0.3697
474553	3756938	0.0061	0.22	0.0026	0.10	0.3126
475553	3756938	0.00843	0.30	0.00439	0.16	0.4612
476553	3756938	0.00856	0.30	0.00497	0.18	0.4872
477553	3756938	0.0157	0.56	0.00482	0.18	0.7357
478553	3756938	0.02033	0.72	0.00642	0.24	0.9592
479553	3756938	0.01333	0.47	0.011	0.40	0.8785
480553	3756938	0.014	0.50	0.0072	0.26	0.7627
481553	3756938	0.01554	0.55	0.00739	0.27	0.8244
482553	3756938	0.01461	0.52	0.00834	0.31	0.8262
483553	3756938	0.02941	1.05	0.01052	0.39	1.4329
484553	3756938	0.02572	0.92	0.01527	0.56	1.4762
485553	3756938	0.02045	0.73	0.01562	0.57	1.3015
486553	3756938	0.02853	1.01	0.01546	0.57	1.5831
487553	3756938	0.03404	1.21	0.01756	0.65	1.8563
488553	3756938	0.02331	0.83	0.01241	0.46	1.2853
489553	3756938	0.01986	0.71	0.01179	0.43	1.1398
490553	3756938	0.01531	0.54	0.01187	0.44	0.9809
491553	3756938	0.01873	0.67	0.00983	0.36	1.0276
492553	3756938	0.01476	0.53	0.009	0.33	0.8558
493553	3756938	0.01425	0.51	0.00834	0.31	0.8134
494553	3756938	0.01567	0.56	0.00641	0.24	0.7930
495553	3756938	0.00943	0.34	0.00381	0.14	0.4755
496553	3756938	0.00879	0.31	0.00422	0.16	0.4678
497553	3756938	0.00692	0.25	0.00447	0.16	0.4105
498553	3756938	0.00722	0.26	0.00351	0.13	0.3858
499553	3756938	0.00684	0.24	0.00307	0.11	0.3562
500553	3756938	0.00613	0.22	0.00306	0.11	0.3305
501553	3756938	0.00501	0.18	0.00309	0.11	0.2918
502553	3756938	0.0057	0.20	0.0028	0.10	0.3057
503553	3756938	0.00549	0.20	0.00269	0.10	0.2942
504553	3756938	0.00561	0.20	0.0023	0.08	0.2841
505553	3756938	0.00505	0.18	0.00181	0.07	0.2462
461553	3757938	0.00354	0.13	0.00135	0.05	0.1755
462553	3757938	0.0036	0.13	0.00147	0.05	0.1821
463553	3757938	0.00357	0.13	0.00159	0.06	0.1854
464553	3757938	0.00347	0.12	0.0017	0.06	0.1859
465553	3757938	0.00315	0.11	0.00172	0.06	0.1753
466553	3757938	0.00315	0.11	0.00169	0.06	0.1742
467553	3757938	0.00342	0.12	0.00162	0.06	0.1812
468553	3757938	0.0039	0.14	0.00153	0.06	0.1950
469553	3757938	0.00436	0.16	0.00164	0.06	0.2154
470553	3757938	0.00487	0.17	0.00198	0.07	0.2460
471553	3757938	0.00509	0.18	0.00229	0.08	0.2652
472553	3757938	0.00587	0.21	0.00261	0.10	0.3047
473553	3757938	0.00373	0.13	0.00214	0.08	0.2113
474553	3757938	0.00556	0.20	0.00225	0.08	0.2805
475553	3757938	0.01408	0.50	0.00381	0.14	0.6409
476553	3757938	0.01354	0.48	0.00648	0.24	0.7198

477553	3757938	0.01088	0.39	0.00795	0.29	0.6792
478553	3757938	0.01122	0.40	0.00578	0.21	0.6116
479553	3757938	0.01208	0.43	0.00495	0.18	0.6117
480553	3757938	0.01	0.36	0.00628	0.23	0.5865
481553	3757938	0.00981	0.35	0.00554	0.20	0.5526
482553	3757938	0.01892	0.67	0.00708	0.26	0.9333
483553	3757938	0.01518	0.54	0.00994	0.37	0.9053
484553	3757938	0.02174	0.77	0.01166	0.43	1.2019
485553	3757938	0.01638	0.58	0.00775	0.28	0.8675
486553	3757938	0.01691	0.60	0.00886	0.33	0.9272
487553	3757938	0.02675	0.95	0.01288	0.47	1.4250
488553	3757938	0.02184	0.78	0.00851	0.31	1.0897
489553	3757938	0.01735	0.62	0.00837	0.31	0.9248
490553	3757938	0.01354	0.48	0.0084	0.31	0.7904
491553	3757938	0.01367	0.49	0.00773	0.28	0.7704
492553	3757938	0.01433	0.51	0.00582	0.21	0.7237
493553	3757938	0.0135	0.48	0.00668	0.25	0.7258
494553	3757938	0.01117	0.40	0.00607	0.22	0.6204
495553	3757938	0.01052	0.37	0.00624	0.23	0.6036
496553	3757938	0.01054	0.37	0.00395	0.15	0.5201
497553	3757938	0.0088	0.31	0.00415	0.15	0.4656
498553	3757938	0.00712	0.25	0.00268	0.10	0.3518
499553	3757938	0.00631	0.22	0.00293	0.11	0.3322
500553	3757938	0.00477	0.17	0.00286	0.11	0.2748
501553	3757938	0.00564	0.20	0.00297	0.11	0.3098
502553	3757938	0.00583	0.21	0.00244	0.09	0.2971
503553	3757938	0.00587	0.21	0.00182	0.07	0.2757
504553	3757938	0.00491	0.17	0.00202	0.07	0.2489
505553	3757938	0.00402	0.14	0.002	0.07	0.2165
461553	3758938	0.00262	0.09	0.00136	0.05	0.1432
462553	3758938	0.0026	0.09	0.00128	0.05	0.1395
463553	3758938	0.00287	0.10	0.00123	0.05	0.1473
464553	3758938	0.00315	0.11	0.00123	0.05	0.1573
465553	3758938	0.00338	0.12	0.00131	0.05	0.1684
466553	3758938	0.00356	0.13	0.00146	0.05	0.1803
467553	3758938	0.00367	0.13	0.0016	0.06	0.1894
468553	3758938	0.00388	0.14	0.00171	0.06	0.2009
469553	3758938	0.00392	0.14	0.00178	0.07	0.2049
470553	3758938	0.00432	0.15	0.00191	0.07	0.2239
471553	3758938	0.00591	0.21	0.00195	0.07	0.2819
472553	3758938	0.00643	0.23	0.00187	0.07	0.2975
473553	3758938	0.00686	0.24	0.00249	0.09	0.3356
474553	3758938	0.00718	0.26	0.0055	0.20	0.4576
475553	3758938	0.00854	0.30	0.00518	0.19	0.4942
476553	3758938	0.0091	0.32	0.00457	0.17	0.4917
477553	3758938	0.01189	0.42	0.00467	0.17	0.5946
478553	3758938	0.00994	0.35	0.00591	0.22	0.5708
479553	3758938	0.0078	0.28	0.0036	0.13	0.4098
480553	3758938	0.00825	0.29	0.0039	0.14	0.4368
481553	3758938	0.01384	0.49	0.0056	0.21	0.6982
482553	3758938	0.01267	0.45	0.00688	0.25	0.7036
483553	3758938	0.01258	0.45	0.00503	0.18	0.6324
484553	3758938	0.01401	0.50	0.00733	0.27	0.7678
485553	3758938	0.01274	0.45	0.00685	0.25	0.7050
486553	3758938	0.01282	0.46	0.00634	0.23	0.6891
487553	3758938	0.02178	0.77	0.01172	0.43	1.2055
488553	3758938	0.01463	0.52	0.00863	0.32	0.8376
489553	3758938	0.01508	0.54	0.00631	0.23	0.7684
490553	3758938	0.01544	0.55	0.00795	0.29	0.8414
491553	3758938	0.01146	0.41	0.00644	0.24	0.6444
492553	3758938	0.01317	0.47	0.00501	0.18	0.6526
493553	3758938	0.01122	0.40	0.00611	0.22	0.6237
494553	3758938	0.01016	0.36	0.00607	0.22	0.5845
495553	3758938	0.01109	0.39	0.00418	0.15	0.5481
496553	3758938	0.00782	0.28	0.00466	0.17	0.4495
497553	3758938	0.00804	0.29	0.00445	0.16	0.4496
498553	3758938	0.00709	0.25	0.00394	0.14	0.3970
499553	3758938	0.00754	0.27	0.00276	0.10	0.3697

500553	3758938	0.0049	0.17	0.0029	0.11	0.2809
501553	3758938	0.00552	0.20	0.00191	0.07	0.2666
502553	3758938	0.00513	0.18	0.00216	0.08	0.2619
503553	3758938	0.0039	0.14	0.00239	0.09	0.2266
504553	3758938	0.0038	0.14	0.00222	0.08	0.2168
505553	3758938	0.00348	0.12	0.00215	0.08	0.2028
461553	3759938	0.00282	0.10	0.00112	0.04	0.1415
462553	3759938	0.00292	0.10	0.00121	0.04	0.1483
463553	3759938	0.00314	0.11	0.00136	0.05	0.1617
464553	3759938	0.00313	0.11	0.00137	0.05	0.1617
465553	3759938	0.00326	0.12	0.00141	0.05	0.1678
466553	3759938	0.00322	0.11	0.00147	0.05	0.1686
467553	3759938	0.0034	0.12	0.00152	0.06	0.1768
468553	3759938	0.00448	0.16	0.00148	0.05	0.2138
469553	3759938	0.00554	0.20	0.00183	0.07	0.2643
470553	3759938	0.00631	0.22	0.0024	0.09	0.3127
471553	3759938	0.00639	0.23	0.00289	0.11	0.3335
472553	3759938	0.00539	0.19	0.00369	0.14	0.3274
473553	3759938	0.00445	0.16	0.00203	0.07	0.2329
474553	3759938	0.0066	0.23	0.00347	0.13	0.3623
475553	3759938	0.00849	0.30	0.00373	0.14	0.4391
476553	3759938	0.01067	0.38	0.00431	0.16	0.5380
477553	3759938	0.00642	0.23	0.0035	0.13	0.3570
478553	3759938	0.00915	0.33	0.00485	0.18	0.5037
479553	3759938	0.00673	0.24	0.00321	0.12	0.3574
480553	3759938	0.01068	0.38	0.00457	0.17	0.5479
481553	3759938	0.00985	0.35	0.00514	0.19	0.5393
482553	3759938	0.00717	0.26	0.00442	0.16	0.4175
483553	3759938	0.00863	0.31	0.00494	0.18	0.4886
484553	3759938	0.01063	0.38	0.00547	0.20	0.5792
485553	3759938	0.01737	0.62	0.00792	0.29	0.9090
486553	3759938	0.01706	0.61	0.00881	0.32	0.9307
487553	3759938	0.02026	0.72	0.01152	0.42	1.1441
488553	3759938	0.02259	0.80	0.01072	0.39	1.1976
489553	3759938	0.01828	0.65	0.00719	0.26	0.9146
490553	3759938	0.01114	0.40	0.00666	0.24	0.6411
491553	3759938	0.00927	0.33	0.00614	0.23	0.5554
492553	3759938	0.00948	0.34	0.00485	0.18	0.5155
493553	3759938	0.01083	0.39	0.0034	0.12	0.5102
494553	3759938	0.00731	0.26	0.00469	0.17	0.4324
495553	3759938	0.00905	0.32	0.0032	0.12	0.4396
496553	3759938	0.0065	0.23	0.00468	0.17	0.4032
497553	3759938	0.00862	0.31	0.00305	0.11	0.4187
498553	3759938	0.00585	0.21	0.0035	0.13	0.3367
499553	3759938	0.00635	0.23	0.00301	0.11	0.3365
500553	3759938	0.00625	0.22	0.0033	0.12	0.3436
501553	3759938	0.00638	0.23	0.00217	0.08	0.3067
502553	3759938	0.00525	0.19	0.00224	0.08	0.2691
503553	3759938	0.00399	0.14	0.00217	0.08	0.2217
504553	3759938	0.00465	0.17	0.00144	0.05	0.2183
505553	3759938	0.00381	0.14	0.00118	0.04	0.1789
461553	3760938	0.00277	0.10	0.00119	0.04	0.1423
462553	3760938	0.00283	0.10	0.00122	0.04	0.1455
463553	3760938	0.00274	0.10	0.00127	0.05	0.1441
464553	3760938	0.00289	0.10	0.00131	0.05	0.1510
465553	3760938	0.00367	0.13	0.00124	0.05	0.1761
466553	3760938	0.00445	0.16	0.00147	0.05	0.2123
467553	3760938	0.00508	0.18	0.00187	0.07	0.2494
468553	3760938	0.00537	0.19	0.00223	0.08	0.2730
469553	3760938	0.00524	0.19	0.00248	0.09	0.2776
470553	3760938	0.00479	0.17	0.00261	0.10	0.2663
471553	3760938	0.0056	0.20	0.00243	0.09	0.2885
472553	3760938	0.00531	0.19	0.00267	0.10	0.2870
473553	3760938	0.00618	0.22	0.00268	0.10	0.3183
474553	3760938	0.00908	0.32	0.00355	0.13	0.4535
475553	3760938	0.00645	0.23	0.00427	0.16	0.3864
476553	3760938	0.006	0.21	0.00245	0.09	0.3035
477553	3760938	0.0052	0.18	0.00272	0.10	0.2850

478553	3760938	0.00756	0.27	0.00312	0.11	0.3836
479553	3760938	0.00914	0.33	0.00426	0.16	0.4817
480553	3760938	0.0079	0.28	0.00403	0.15	0.4291
481553	3760938	0.00653	0.23	0.00411	0.15	0.3833
482553	3760938	0.00957	0.34	0.00514	0.19	0.5293
483553	3760938	0.01103	0.39	0.00471	0.17	0.5655
484553	3760938	0.01246	0.44	0.00551	0.20	0.6458
485553	3760938	0.01748	0.62	0.00813	0.30	0.9206
486553	3760938	0.01562	0.56	0.00664	0.24	0.7997
487553	3760938	0.01831	0.65	0.00989	0.36	1.0148
488553	3760938	0.01625	0.58	0.00787	0.29	0.8673
489553	3760938	0.01243	0.44	0.0064	0.24	0.6774
490553	3760938	0.01103	0.39	0.00494	0.18	0.5739
491553	3760938	0.0089	0.32	0.00527	0.19	0.5103
492553	3760938	0.00812	0.29	0.00403	0.15	0.4370
493553	3760938	0.00795	0.28	0.00378	0.14	0.4217
494553	3760938	0.00934	0.33	0.0027	0.10	0.4315
495553	3760938	0.00472	0.17	0.00388	0.14	0.3105
496553	3760938	0.0077	0.27	0.00373	0.14	0.4110
497553	3760938	0.00613	0.22	0.00313	0.12	0.3331
498553	3760938	0.00652	0.23	0.00357	0.13	0.3631
499553	3760938	0.00593	0.21	0.00228	0.08	0.2948
500553	3760938	0.00446	0.16	0.00268	0.10	0.2572
501553	3760938	0.00498	0.18	0.00262	0.10	0.2734
502553	3760938	0.00587	0.21	0.0025	0.09	0.3007
503553	3760938	0.00487	0.17	0.00208	0.08	0.2497
504553	3760938	0.00476	0.17	0.00136	0.05	0.2193
505553	3760938	0.00248	0.09	0.00171	0.06	0.1511
461553	3761938	0.0025	0.09	0.00115	0.04	0.1312
462553	3761938	0.00314	0.11	0.00108	0.04	0.1514
463553	3761938	0.00378	0.13	0.00125	0.05	0.1804
464553	3761938	0.00431	0.15	0.00156	0.06	0.2107
465553	3761938	0.00464	0.17	0.00185	0.07	0.2331
466553	3761938	0.00464	0.17	0.00205	0.08	0.2404
467553	3761938	0.0043	0.15	0.00212	0.08	0.2309
468553	3761938	0.00374	0.13	0.00203	0.07	0.2077
469553	3761938	0.00439	0.16	0.00177	0.07	0.2212
470553	3761938	0.0051	0.18	0.00214	0.08	0.2601
471553	3761938	0.00607	0.22	0.0025	0.09	0.3078
472553	3761938	0.00725	0.26	0.00302	0.11	0.3689
473553	3761938	0.00594	0.21	0.00266	0.10	0.3091
474553	3761938	0.00613	0.22	0.00326	0.12	0.3379
475553	3761938	0.00522	0.19	0.00269	0.10	0.2846
476553	3761938	0.00515	0.18	0.00312	0.11	0.2979
477553	3761938	0.00716	0.25	0.00307	0.11	0.3675
478553	3761938	0.01124	0.40	0.00515	0.19	0.5891
479553	3761938	0.0088	0.31	0.00377	0.14	0.4516
480553	3761938	0.00668	0.24	0.0032	0.12	0.3552
481553	3761938	0.01038	0.37	0.00385	0.14	0.5108
482553	3761938	0.00814	0.29	0.00422	0.16	0.4447
483553	3761938	0.01049	0.37	0.0061	0.22	0.5974
484553	3761938	0.01015	0.36	0.00472	0.17	0.5345
485553	3761938	0.01335	0.47	0.00619	0.23	0.7024
486553	3761938	0.01176	0.42	0.00567	0.21	0.6267
487553	3761938	0.00983	0.35	0.00551	0.20	0.5522
488553	3761938	0.01441	0.51	0.00597	0.22	0.7320
489553	3761938	0.00847	0.30	0.00405	0.15	0.4502
490553	3761938	0.00823	0.29	0.00379	0.14	0.4321
491553	3761938	0.00774	0.28	0.00291	0.11	0.3823
492553	3761938	0.00929	0.33	0.00345	0.13	0.4573
493553	3761938	0.00729	0.26	0.00303	0.11	0.3707
494553	3761938	0.00644	0.23	0.00324	0.12	0.3482
495553	3761938	0.00806	0.29	0.00257	0.09	0.3812
496553	3761938	0.00408	0.15	0.00285	0.10	0.2499
497553	3761938	0.00656	0.23	0.00329	0.12	0.3543
498553	3761938	0.00632	0.22	0.00249	0.09	0.3163
499553	3761938	0.00458	0.16	0.00259	0.10	0.2581
500553	3761938	0.00333	0.12	0.00164	0.06	0.1787

501553	3761938	0.00394	0.14	0.00168	0.06	0.2019
502553	3761938	0.00325	0.12	0.00202	0.07	0.1899
503553	3761938	0.00416	0.15	0.00226	0.08	0.2310
504553	3761938	0.0049	0.17	0.00183	0.07	0.2416
505553	3761938	0.00316	0.11	0.00125	0.05	0.1584
461553	3762938	0.00387	0.14	0.00138	0.05	0.1884
462553	3762938	0.00421	0.15	0.00163	0.06	0.2097
463553	3762938	0.0043	0.15	0.00182	0.07	0.2199
464553	3762938	0.00409	0.15	0.00189	0.07	0.2150
465553	3762938	0.00367	0.13	0.00187	0.07	0.1993
466553	3762938	0.00333	0.12	0.00171	0.06	0.1813
467553	3762938	0.00381	0.14	0.00148	0.05	0.1899
468553	3762938	0.00411	0.15	0.00172	0.06	0.2094
469553	3762938	0.00407	0.14	0.00188	0.07	0.2139
470553	3762938	0.00476	0.17	0.00186	0.07	0.2377
471553	3762938	0.00506	0.18	0.0022	0.08	0.2609
472553	3762938	0.00476	0.17	0.00235	0.09	0.2557
473553	3762938	0.00552	0.20	0.00212	0.08	0.2743
474553	3762938	0.00557	0.20	0.00278	0.10	0.3003
475553	3762938	0.00648	0.23	0.00325	0.12	0.3500
476553	3762938	0.00699	0.25	0.00259	0.10	0.3439
477553	3762938	0.01019	0.36	0.00376	0.14	0.5007
478553	3762938	0.00985	0.35	0.00491	0.18	0.5309
479553	3762938	0.00656	0.23	0.0033	0.12	0.3546
480553	3762938	0.00577	0.21	0.0029	0.11	0.3118
481553	3762938	0.00864	0.31	0.00403	0.15	0.4555
482553	3762938	0.0109	0.39	0.00412	0.15	0.5392
483553	3762938	0.00793	0.28	0.00314	0.12	0.3975
484553	3762938	0.00798	0.28	0.0039	0.14	0.4272
485553	3762938	0.01168	0.42	0.00545	0.20	0.6158
486553	3762938	0.01074	0.38	0.0051	0.19	0.5695
487553	3762938	0.0086	0.31	0.00401	0.15	0.4533
488553	3762938	0.01925	0.68	0.00873	0.32	1.0057
489553	3762938	0.0104	0.37	0.00506	0.19	0.5559
490553	3762938	0.01206	0.43	0.00548	0.20	0.6304
491553	3762938	0.00852	0.30	0.00417	0.15	0.4563
492553	3762938	0.00524	0.19	0.00313	0.12	0.3014
493553	3762938	0.00723	0.26	0.00263	0.10	0.3539
494553	3762938	0.00625	0.22	0.00226	0.08	0.3054
495553	3762938	0.00559	0.20	0.00279	0.10	0.3014
496553	3762938	0.00698	0.25	0.00267	0.10	0.3464
497553	3762938	0.00355	0.13	0.00195	0.07	0.1980
498553	3762938	0.00494	0.18	0.00288	0.11	0.2816
499553	3762938	0.00555	0.20	0.00252	0.09	0.2901
500553	3762938	0.00416	0.15	0.00177	0.07	0.2130
501553	3762938	0.00317	0.11	0.0017	0.06	0.1752
502553	3762938	0.00346	0.12	0.00165	0.06	0.1837
503553	3762938	0.00322	0.11	0.00121	0.04	0.1590
504553	3762938	0.00233	0.08	0.00159	0.06	0.1413
505553	3762938	0.00313	0.11	0.00178	0.07	0.1768
461553	3763938	0.00403	0.14	0.00178	0.07	0.2088
462553	3763938	0.00407	0.14	0.00194	0.07	0.2161
463553	3763938	0.00327	0.12	0.0017	0.06	0.1788
464553	3763938	0.0031	0.11	0.00151	0.06	0.1658
465553	3763938	0.00344	0.12	0.00135	0.05	0.1720
466553	3763938	0.00365	0.13	0.00153	0.06	0.1861
467553	3763938	0.00358	0.13	0.00164	0.06	0.1876
468553	3763938	0.00411	0.15	0.00163	0.06	0.2061
469553	3763938	0.00428	0.15	0.00187	0.07	0.2210
470553	3763938	0.00465	0.17	0.00193	0.07	0.2364
471553	3763938	0.00444	0.16	0.00207	0.08	0.2340
472553	3763938	0.00524	0.19	0.00224	0.08	0.2687
473553	3763938	0.00528	0.19	0.00246	0.09	0.2782
474553	3763938	0.00431	0.15	0.00212	0.08	0.2312
475553	3763938	0.00608	0.22	0.00227	0.08	0.2997
476553	3763938	0.00844	0.30	0.00329	0.12	0.4212
477553	3763938	0.0079	0.28	0.00395	0.15	0.4262
478553	3763938	0.00603	0.21	0.00325	0.12	0.3340

479553	3763938	0.00618	0.22	0.0035	0.13	0.3485
480553	3763938	0.00772	0.27	0.00321	0.12	0.3926
481553	3763938	0.00614	0.22	0.00297	0.11	0.3276
482553	3763938	0.00718	0.26	0.00331	0.12	0.3771
483553	3763938	0.00686	0.24	0.0028	0.10	0.3469
484553	3763938	0.00947	0.34	0.00386	0.14	0.4788
485553	3763938	0.00902	0.32	0.00437	0.16	0.4815
486553	3763938	0.00788	0.28	0.00372	0.14	0.4170
487553	3763938	0.00643	0.23	0.00298	0.11	0.3383
488553	3763938	0.01306	0.46	0.00661	0.24	0.7075
489553	3763938	0.0087	0.31	0.00389	0.14	0.4525
490553	3763938	0.00778	0.28	0.00496	0.18	0.4591
491553	3763938	0.0059	0.21	0.00332	0.12	0.3319
492553	3763938	0.00699	0.25	0.00292	0.11	0.3560
493553	3763938	0.00537	0.19	0.00342	0.13	0.3167
494553	3763938	0.00465	0.17	0.00242	0.09	0.2544
495553	3763938	0.00521	0.19	0.00209	0.08	0.2622
496553	3763938	0.00492	0.18	0.00262	0.10	0.2713
497553	3763938	0.00605	0.22	0.00265	0.10	0.3126
498553	3763938	0.00329	0.12	0.00162	0.06	0.1766
499553	3763938	0.00321	0.11	0.00253	0.09	0.2072
500553	3763938	0.00475	0.17	0.00249	0.09	0.2605
501553	3763938	0.00499	0.18	0.00179	0.07	0.2433
502553	3763938	0.00334	0.12	0.00113	0.04	0.1603
503553	3763938	0.0024	0.09	0.00118	0.04	0.1287
504553	3763938	0.0025	0.09	0.00118	0.04	0.1323
505553	3763938	0.00172	0.06	0.00078	0.03	0.0899
461553	3764938	0.00296	0.11	0.00155	0.06	0.1623
462553	3764938	0.0031	0.11	0.00142	0.05	0.1625
463553	3764938	0.0034	0.12	0.00135	0.05	0.1706
464553	3764938	0.00345	0.12	0.00144	0.05	0.1757
465553	3764938	0.00334	0.12	0.00151	0.06	0.1743
466553	3764938	0.00361	0.13	0.00148	0.05	0.1828
467553	3764938	0.00397	0.14	0.00162	0.06	0.2008
468553	3764938	0.00423	0.15	0.00178	0.07	0.2159
469553	3764938	0.00381	0.14	0.00188	0.07	0.2046
470553	3764938	0.0044	0.16	0.00162	0.06	0.2161
471553	3764938	0.00441	0.16	0.00205	0.08	0.2322
472553	3764938	0.00482	0.17	0.00223	0.08	0.2534
473553	3764938	0.00414	0.15	0.00188	0.07	0.2164
474553	3764938	0.00536	0.19	0.00203	0.07	0.2653
475553	3764938	0.00692	0.25	0.00286	0.11	0.3513
476553	3764938	0.0077	0.27	0.00341	0.13	0.3992
477553	3764938	0.00681	0.24	0.00348	0.13	0.3702
478553	3764938	0.00621	0.22	0.0031	0.11	0.3348
479553	3764938	0.00626	0.22	0.00216	0.08	0.3021
480553	3764938	0.00594	0.21	0.00299	0.11	0.3212
481553	3764938	0.00613	0.22	0.00259	0.10	0.3133
482553	3764938	0.00541	0.19	0.00276	0.10	0.2939
483553	3764938	0.00856	0.30	0.00311	0.11	0.4188
484553	3764938	0.00935	0.33	0.00415	0.15	0.4851
485553	3764938	0.00794	0.28	0.00383	0.14	0.4232
486553	3764938	0.00807	0.29	0.00377	0.14	0.4256
487553	3764938	0.00678	0.24	0.00316	0.12	0.3573
488553	3764938	0.00943	0.34	0.00515	0.19	0.5247
489553	3764938	0.00953	0.34	0.0042	0.15	0.4934
490553	3764938	0.00639	0.23	0.00322	0.12	0.3457
491553	3764938	0.00907	0.32	0.00366	0.13	0.4572
492553	3764938	0.00648	0.23	0.00333	0.12	0.3529
493553	3764938	0.00456	0.16	0.00195	0.07	0.2339
494553	3764938	0.00608	0.22	0.00279	0.10	0.3188
495553	3764938	0.00406	0.14	0.00229	0.08	0.2286
496553	3764938	0.00425	0.15	0.0019	0.07	0.2210
497553	3764938	0.00432	0.15	0.0023	0.08	0.2382
498553	3764938	0.0052	0.18	0.00255	0.09	0.2787
499553	3764938	0.00333	0.12	0.00136	0.05	0.1684
500553	3764938	0.00273	0.10	0.00181	0.07	0.1636
501553	3764938	0.00368	0.13	0.00174	0.06	0.1949

502553	3764938	0.00206	0.07	0.00102	0.04	0.1108
503553	3764938	0.00217	0.08	0.00104	0.04	0.1154
504553	3764938	0.00202	0.07	0.00095	0.03	0.1068
505553	3764938	0.00177	0.06	0.00065	0.02	0.0869
461553	3765938	0.00309	0.11	0.00124	0.05	0.1555
462553	3765938	0.00348	0.12	0.00145	0.05	0.1771
463553	3765938	0.00317	0.11	0.00142	0.05	0.1650
464553	3765938	0.00327	0.12	0.0014	0.05	0.1678
465553	3765938	0.00378	0.13	0.00146	0.05	0.1881
466553	3765938	0.00373	0.13	0.00164	0.06	0.1930
467553	3765938	0.00391	0.14	0.00171	0.06	0.2019
468553	3765938	0.00389	0.14	0.00182	0.07	0.2053
469553	3765938	0.0042	0.15	0.00168	0.06	0.2112
470553	3765938	0.00382	0.14	0.00187	0.07	0.2046
471553	3765938	0.0037	0.13	0.00175	0.06	0.1959
472553	3765938	0.00387	0.14	0.00161	0.06	0.1968
473553	3765938	0.00476	0.17	0.00182	0.07	0.2362
474553	3765938	0.00594	0.21	0.00246	0.09	0.3017
475553	3765938	0.00667	0.24	0.00294	0.11	0.3453
476553	3765938	0.00671	0.24	0.0031	0.11	0.3526
477553	3765938	0.0057	0.20	0.00284	0.10	0.3071
478553	3765938	0.00436	0.16	0.00204	0.07	0.2301
479553	3765938	0.00619	0.22	0.00289	0.11	0.3264
480553	3765938	0.00462	0.16	0.00207	0.08	0.2404
481553	3765938	0.00602	0.21	0.00264	0.10	0.3112
482553	3765938	0.00487	0.17	0.002	0.07	0.2468
483553	3765938	0.00659	0.23	0.00298	0.11	0.3440
484553	3765938	0.0091	0.32	0.00344	0.13	0.4502
485553	3765938	0.00795	0.28	0.00348	0.13	0.4107
486553	3765938	0.00776	0.28	0.00357	0.13	0.4073
487553	3765938	0.00759	0.27	0.00352	0.13	0.3994
488553	3765938	0.00722	0.26	0.00351	0.13	0.3858
489553	3765938	0.00789	0.28	0.00376	0.14	0.4189
490553	3765938	0.00668	0.24	0.003	0.11	0.3479
491553	3765938	0.00739	0.26	0.00395	0.15	0.4081
492553	3765938	0.00477	0.17	0.00266	0.10	0.2674
493553	3765938	0.00601	0.21	0.00253	0.09	0.3068
494553	3765938	0.00367	0.13	0.00196	0.07	0.2026
495553	3765938	0.00555	0.20	0.00198	0.07	0.2702
496553	3765938	0.00373	0.13	0.00202	0.07	0.2069
497553	3765938	0.00345	0.12	0.00172	0.06	0.1859
498553	3765938	0.00296	0.11	0.002	0.07	0.1788
499553	3765938	0.00368	0.13	0.002	0.07	0.2044
500553	3765938	0.00317	0.11	0.00111	0.04	0.1536
501553	3765938	0.00224	0.08	0.00109	0.04	0.1197
502553	3765938	0.00151	0.05	0.00069	0.03	0.0791
503553	3765938	0.00123	0.04	0.00056	0.02	0.0643
504553	3765938	0.00118	0.04	0.00053	0.02	0.0615
505553	3765938	0.00163	0.06	0.00068	0.02	0.0830
461553	3766938	0.00304	0.11	0.00135	0.05	0.1578
462553	3766938	0.00296	0.11	0.00132	0.05	0.1538
463553	3766938	0.00351	0.12	0.0013	0.05	0.1726
464553	3766938	0.0035	0.12	0.00155	0.06	0.1815
465553	3766938	0.00375	0.13	0.00151	0.06	0.1889
466553	3766938	0.00326	0.12	0.00163	0.06	0.1759
467553	3766938	0.00369	0.13	0.00136	0.05	0.1813
468553	3766938	0.00422	0.15	0.00184	0.07	0.2177
469553	3766938	0.00356	0.13	0.00164	0.06	0.1869
470553	3766938	0.00317	0.11	0.00158	0.06	0.1708
471553	3766938	0.00334	0.12	0.00129	0.05	0.1662
472553	3766938	0.00436	0.16	0.00168	0.06	0.2168
473553	3766938	0.0051	0.18	0.0021	0.08	0.2586
474553	3766938	0.00569	0.20	0.00248	0.09	0.2936
475553	3766938	0.00582	0.21	0.00263	0.10	0.3037
476553	3766938	0.00512	0.18	0.00245	0.09	0.2722
477553	3766938	0.00369	0.13	0.00197	0.07	0.2037
478553	3766938	0.0055	0.20	0.00218	0.08	0.2758
479553	3766938	0.00437	0.16	0.00225	0.08	0.2382

480553	3766938	0.00498	0.18	0.00209	0.08	0.2540
481553	3766938	0.00511	0.18	0.00248	0.09	0.2729
482553	3766938	0.00479	0.17	0.00204	0.07	0.2454
483553	3766938	0.00549	0.20	0.00257	0.09	0.2898
484553	3766938	0.00636	0.23	0.0028	0.10	0.3292
485553	3766938	0.00652	0.23	0.00298	0.11	0.3415
486553	3766938	0.00784	0.28	0.0035	0.13	0.4075
487553	3766938	0.0084	0.30	0.00414	0.15	0.4510
488553	3766938	0.00714	0.25	0.00331	0.12	0.3757
489553	3766938	0.01014	0.36	0.00424	0.16	0.5166
490553	3766938	0.00535	0.19	0.00245	0.09	0.2804
491553	3766938	0.00457	0.16	0.0023	0.08	0.2471
492553	3766938	0.00585	0.21	0.00213	0.08	0.2864
493553	3766938	0.00472	0.17	0.00264	0.10	0.2649
494553	3766938	0.00407	0.14	0.00181	0.07	0.2113
495553	3766938	0.00349	0.12	0.00237	0.09	0.2113
496553	3766938	0.00431	0.15	0.00166	0.06	0.2143
497553	3766938	0.00355	0.13	0.00175	0.06	0.1906
498553	3766938	0.00288	0.10	0.00136	0.05	0.1524
499553	3766938	0.00258	0.09	0.00173	0.06	0.1554
500553	3766938	0.00395	0.14	0.00209	0.08	0.2173
501553	3766938	0.00289	0.10	0.00091	0.03	0.1363
502553	3766938	0.00117	0.04	0.00044	0.02	0.0578
503553	3766938	0.00106	0.04	0.00047	0.02	0.0550
504553	3766938	0.00105	0.04	0.0005	0.02	0.0557
505553	3766938	0.00096	0.03	0.00047	0.02	0.0514
461553	3767938	0.00327	0.12	0.00124	0.05	0.1619
462553	3767938	0.00344	0.12	0.00144	0.05	0.1753
463553	3767938	0.00356	0.13	0.0015	0.06	0.1818
464553	3767938	0.00347	0.12	0.00157	0.06	0.1811
465553	3767938	0.00315	0.11	0.00148	0.05	0.1665
466553	3767938	0.0037	0.13	0.00144	0.05	0.1845
467553	3767938	0.00348	0.12	0.00163	0.06	0.1837
468553	3767938	0.00333	0.12	0.00143	0.05	0.1710
469553	3767938	0.00274	0.10	0.00142	0.05	0.1497
470553	3767938	0.00307	0.11	0.00121	0.04	0.1537
471553	3767938	0.0039	0.14	0.00152	0.06	0.1946
472553	3767938	0.00457	0.16	0.00189	0.07	0.2320
473553	3767938	0.00489	0.17	0.00212	0.08	0.2519
474553	3767938	0.00496	0.18	0.00221	0.08	0.2577
475553	3767938	0.00474	0.17	0.00219	0.08	0.2491
476553	3767938	0.00372	0.13	0.00188	0.07	0.2014
477553	3767938	0.00432	0.15	0.00146	0.05	0.2073
478553	3767938	0.00482	0.17	0.00234	0.09	0.2575
479553	3767938	0.00379	0.13	0.0016	0.06	0.1936
480553	3767938	0.00475	0.17	0.00207	0.08	0.2451
481553	3767938	0.00372	0.13	0.00194	0.07	0.2036
482553	3767938	0.00514	0.18	0.00216	0.08	0.2622
483553	3767938	0.0045	0.16	0.00212	0.08	0.2380
484553	3767938	0.00569	0.20	0.00263	0.10	0.2991
485553	3767938	0.00599	0.21	0.00264	0.10	0.3101
486553	3767938	0.00605	0.22	0.00272	0.10	0.3152
487553	3767938	0.00823	0.29	0.00327	0.12	0.4130
488553	3767938	0.0088	0.31	0.00395	0.15	0.4582
489553	3767938	0.01165	0.41	0.00569	0.21	0.6236
490553	3767938	0.00581	0.21	0.00277	0.10	0.3085
491553	3767938	0.00414	0.15	0.00203	0.07	0.2219
492553	3767938	0.00583	0.21	0.00279	0.10	0.3099
493553	3767938	0.00282	0.10	0.0017	0.06	0.1628
494553	3767938	0.00489	0.17	0.00198	0.07	0.2467
495553	3767938	0.00309	0.11	0.00154	0.06	0.1665
496553	3767938	0.00418	0.15	0.00224	0.08	0.2310
497553	3767938	0.00311	0.11	0.0014	0.05	0.1621
498553	3767938	0.00336	0.12	0.00151	0.06	0.1750
499553	3767938	0.00259	0.09	0.00121	0.04	0.1366
500553	3767938	0.00234	0.08	0.00154	0.06	0.1398
501553	3767938	0.00332	0.12	0.00176	0.06	0.1828
502553	3767938	0.00165	0.06	0.00082	0.03	0.0888

503553	3767938	0.00155	0.06	0.00068	0.02	0.0801
504553	3767938	0.00114	0.04	0.00055	0.02	0.0608
505553	3767938	0.00066	0.02	0.00027	0.01	0.0334
484551.7	3750934	0.07127	2.54	0.02694	0.99	3.5255
484651.7	3750934	0.07728	2.75	0.02739	1.01	3.7559
484751.7	3750934	0.06032	2.15	0.0197	0.72	2.8699
484851.7	3750934	0.0517	1.84	0.01864	0.68	2.5243
484951.7	3750934	0.04575	1.63	0.01873	0.69	2.3159
485051.7	3750934	0.04577	1.63	0.01756	0.65	2.2736
485151.7	3750934	0.04893	1.74	0.01589	0.58	2.3247
485251.7	3750934	0.04996	1.78	0.0143	0.53	2.3029
485351.7	3750934	0.04833	1.72	0.01275	0.47	2.1879
485451.7	3750934	0.04433	1.58	0.01393	0.51	2.0890
484551.7	3751034	0.07093	2.52	0.02789	1.02	3.5483
484651.7	3751034	0.08009	2.85	0.02723	1.00	3.8499
484751.7	3751034	0.07675	2.73	0.02744	1.01	3.7388
484851.7	3751034	0.05967	2.12	0.02022	0.74	2.8659
484951.7	3751034	0.05854	2.08	0.02291	0.84	2.9245
485051.7	3751034	0.04823	1.72	0.02012	0.74	2.4552
485151.7	3751034	0.0491	1.75	0.01744	0.64	2.3877
485251.7	3751034	0.05185	1.84	0.01561	0.57	2.4183
485351.7	3751034	0.05162	1.84	0.01382	0.51	2.3443
485451.7	3751034	0.04876	1.73	0.01398	0.51	2.2484
484551.7	3751134	0.06417	2.28	0.02947	1.08	3.3659
484651.7	3751134	0.07651	2.72	0.02785	1.02	3.7454
484751.7	3751134	0.0852	3.03	0.02814	1.03	4.0652
484851.7	3751134	0.0774	2.75	0.02753	1.01	3.7653
484951.7	3751134	0.07067	2.51	0.02675	0.98	3.4972
485051.7	3751134	0.05704	2.03	0.02336	0.86	2.8877
485151.7	3751134	0.04991	1.78	0.01996	0.73	2.5091
485251.7	3751134	0.05287	1.88	0.01723	0.63	2.5141
485351.7	3751134	0.05434	1.93	0.0153	0.56	2.4955
485451.7	3751134	0.05278	1.88	0.01395	0.51	2.3903
484551.7	3751234	0.05629	2.00	0.0278	1.02	3.0242
484651.7	3751234	0.07012	2.49	0.02731	1.00	3.4982
484751.7	3751234	0.0821	2.92	0.02865	1.05	3.9736
484851.7	3751234	0.08873	3.16	0.03052	1.12	4.2782
484951.7	3751234	0.08628	3.07	0.03088	1.13	4.2043
485051.7	3751234	0.07072	2.52	0.02803	1.03	3.5460
485151.7	3751234	0.05204	1.85	0.02149	0.79	2.6411
485251.7	3751234	0.05317	1.89	0.01883	0.69	2.5836
485351.7	3751234	0.05629	2.00	0.01689	0.62	2.6233
485451.7	3751234	0.05619	2.00	0.01484	0.55	2.5444
484551.7	3751334	0.0481	1.71	0.02855	1.05	2.7604
484651.7	3751334	0.06198	2.21	0.02894	1.06	3.2685
484751.7	3751334	0.07639	2.72	0.02805	1.03	3.7484
484851.7	3751334	0.08801	3.13	0.03011	1.11	4.2375
484951.7	3751334	0.0946	3.37	0.03086	1.13	4.4996
485051.7	3751334	0.08762	3.12	0.0328	1.21	4.3225
485151.7	3751334	0.06423	2.29	0.02578	0.95	3.2324
485251.7	3751334	0.05414	1.93	0.02023	0.74	2.6695
485351.7	3751334	0.05745	2.04	0.01883	0.69	2.7358
485451.7	3751334	0.05906	2.10	0.01651	0.61	2.7078
484551.7	3751434	0.04169	1.48	0.02865	1.05	2.5360
484651.7	3751434	0.05319	1.89	0.03004	1.10	2.9962
484751.7	3751434	0.06833	2.43	0.03006	1.10	3.5356
484851.7	3751434	0.0831	2.96	0.0287	1.05	4.0111
484951.7	3751434	0.09442	3.36	0.03056	1.12	4.4821
485051.7	3751434	0.09684	3.45	0.03348	1.23	4.6755
485151.7	3751434	0.0813	2.89	0.03211	1.18	4.0723
485251.7	3751434	0.05932	2.11	0.02438	0.90	3.0063
485351.7	3751434	0.05761	2.05	0.02053	0.75	2.8040
485451.7	3751434	0.0614	2.18	0.01843	0.68	2.8616
484551.7	3751534	0.04024	1.43	0.02802	1.03	2.4613
484651.7	3751534	0.04588	1.63	0.03036	1.12	2.7479
484751.7	3751534	0.05909	2.10	0.03152	1.16	3.2605
484851.7	3751534	0.07474	2.66	0.03108	1.14	3.8011
484951.7	3751534	0.08976	3.19	0.02925	1.07	4.2682

485051.7	3751534	0.09935	3.53	0.02785	1.02	4.5579
485151.7	3751534	0.10385	3.69	0.03448	1.27	4.9617
485251.7	3751534	0.08585	3.05	0.03527	1.30	4.3503
485351.7	3751534	0.06009	2.14	0.02561	0.94	3.0789
485451.7	3751534	0.0626	2.23	0.0206	0.76	2.9841
484551.7	3751634	0.04539	1.61	0.02669	0.98	2.5956
484651.7	3751634	0.04292	1.53	0.03006	1.10	2.6316
484751.7	3751634	0.05061	1.80	0.03212	1.18	2.9809
484851.7	3751634	0.06342	2.26	0.03278	1.20	3.4608
484951.7	3751634	0.07959	2.83	0.03192	1.17	4.0045
485051.7	3751634	0.0864	3.07	0.02944	1.08	4.1556
485151.7	3751634	0.10447	3.72	0.03015	1.11	4.8246
485251.7	3751634	0.1081	3.85	0.03644	1.34	5.1849
485351.7	3751634	0.0933	3.32	0.03863	1.42	4.7388
485451.7	3751634	0.06693	2.38	0.03025	1.11	3.4927
484551.7	3751734	0.05065	1.80	0.02463	0.91	2.7070
484651.7	3751734	0.04826	1.72	0.02867	1.05	2.7705
484751.7	3751734	0.0459	1.63	0.03209	1.18	2.8122
484851.7	3751734	0.05598	1.99	0.03392	1.25	3.2380
484951.7	3751734	0.0698	2.48	0.03399	1.25	3.7323
485051.7	3751734	0.08297	2.95	0.03259	1.20	4.1494
485151.7	3751734	0.09353	3.33	0.03024	1.11	4.4387
485251.7	3751734	0.11108	3.95	0.03268	1.20	5.1527
485351.7	3751734	0.11169	3.97	0.03879	1.43	5.3990
485451.7	3751734	0.09592	3.41	0.04039	1.48	4.8967
484551.7	3751834	0.05749	2.05	0.02187	0.80	2.8490
484651.7	3751834	0.05534	1.97	0.02662	0.98	2.9470
484751.7	3751834	0.05231	1.86	0.03078	1.13	2.9921
484851.7	3751834	0.049	1.74	0.03394	1.25	2.9905
484951.7	3751834	0.06163	2.19	0.0352	1.29	3.4861
485051.7	3751834	0.07689	2.74	0.03519	1.29	4.0286
485151.7	3751834	0.09082	3.23	0.03335	1.23	4.4566
485251.7	3751834	0.11039	3.93	0.03319	1.22	5.1469
485351.7	3751834	0.11938	4.25	0.03547	1.30	5.5505
485451.7	3751834	0.11326	4.03	0.04208	1.55	5.5757
484551.7	3751934	0.06471	2.30	0.01895	0.70	2.9985
484651.7	3751934	0.06335	2.25	0.02403	0.88	3.1368
484751.7	3751934	0.0611	2.17	0.02902	1.07	3.2401
484851.7	3751934	0.05763	2.05	0.03309	1.22	3.2662
484951.7	3751934	0.05351	1.90	0.0359	1.32	3.2229
485051.7	3751934	0.06862	2.44	0.03713	1.36	3.8057
485151.7	3751934	0.08507	3.03	0.03653	1.34	4.3689
485251.7	3751934	0.0995	3.54	0.03383	1.24	4.7830
485351.7	3751934	0.11757	4.18	0.03611	1.33	5.5097
485451.7	3751934	0.12529	4.46	0.03825	1.41	5.8630
484551.7	3752034	0.07204	2.56	0.01666	0.61	3.1751
484651.7	3752034	0.07181	2.55	0.02114	0.78	3.3316
484751.7	3752034	0.06974	2.48	0.02633	0.97	3.4487
484851.7	3752034	0.06751	2.40	0.03154	1.16	3.5608
484951.7	3752034	0.0644	2.29	0.03593	1.32	3.6115
485051.7	3752034	0.05938	2.11	0.03813	1.40	3.5137
485151.7	3752034	0.07646	2.72	0.03891	1.43	4.1500
485251.7	3752034	0.0942	3.35	0.0376	1.38	4.7330
485351.7	3752034	0.10913	3.88	0.03651	1.34	5.2241
485451.7	3752034	0.13008	4.63	0.03964	1.46	6.0844
484551.7	3752134	0.077	2.74	0.01856	0.68	3.4214
484651.7	3752134	0.07869	2.80	0.01767	0.65	3.4488
484751.7	3752134	0.07886	2.81	0.02329	0.86	3.6614
484851.7	3752134	0.07783	2.77	0.02919	1.07	3.8416
484951.7	3752134	0.07553	2.69	0.03457	1.27	3.9574
485051.7	3752134	0.07155	2.55	0.03847	1.41	3.9592
485151.7	3752134	0.06667	2.37	0.04065	1.49	3.8657
485251.7	3752134	0.0858	3.05	0.04092	1.50	4.5562
485351.7	3752134	0.10478	3.73	0.03888	1.43	5.1564
485451.7	3752134	0.11979	4.26	0.04013	1.47	5.7364
484551.7	3752234	0.08117	2.89	0.02104	0.77	3.6609
484651.7	3752234	0.08419	3.00	0.01988	0.73	3.7257
484751.7	3752234	0.08684	3.09	0.0197	0.72	3.8134

484851.7	3752234	0.08713	3.10	0.02582	0.95	4.0486
484951.7	3752234	0.08631	3.07	0.03203	1.18	4.2476
485051.7	3752234	0.08267	2.94	0.03689	1.36	4.2967
485151.7	3752234	0.08063	2.87	0.04154	1.53	4.3950
485251.7	3752234	0.07483	2.66	0.04289	1.58	4.2383
485351.7	3752234	0.09603	3.42	0.04238	1.56	4.9738
485451.7	3752234	0.11664	4.15	0.04051	1.49	5.6383
484551.7	3752334	0.08403	2.99	0.02301	0.85	3.8350
484651.7	3752334	0.08895	3.16	0.02275	0.84	4.0005
484751.7	3752334	0.09269	3.30	0.02147	0.79	4.0865
484851.7	3752334	0.09518	3.39	0.02186	0.80	4.1895
484951.7	3752334	0.09699	3.45	0.02879	1.06	4.5085
485051.7	3752334	0.0967	3.44	0.03539	1.30	4.7407
485151.7	3752334	0.09522	3.39	0.04113	1.51	4.8990
485251.7	3752334	0.09113	3.24	0.04453	1.64	4.8784
485351.7	3752334	0.08568	3.05	0.04573	1.68	4.7287
485451.7	3752334	0.10826	3.85	0.04398	1.62	5.4677
484551.7	3752434	0.08497	3.02	0.02596	0.95	3.9769
484651.7	3752434	0.09154	3.26	0.02502	0.92	4.1761
484751.7	3752434	0.09692	3.45	0.02445	0.90	4.3465
484851.7	3752434	0.10201	3.63	0.02317	0.85	4.4806
484951.7	3752434	0.10568	3.76	0.02462	0.90	4.6644
485051.7	3752434	0.10722	3.81	0.03181	1.17	4.9834
485151.7	3752434	0.10962	3.90	0.03943	1.45	5.3488
485251.7	3752434	0.10723	3.81	0.04448	1.63	5.4494
485351.7	3752434	0.10446	3.72	0.04797	1.76	5.4791
485451.7	3752434	0.09838	3.50	0.04824	1.77	5.2727
484551.7	3752534	0.0846	3.01	0.02971	1.09	4.1015
484651.7	3752534	0.09154	3.26	0.0288	1.06	4.3150
484751.7	3752534	0.09788	3.48	0.02719	1.00	4.4814
484851.7	3752534	0.10581	3.76	0.0263	0.97	4.7308
484951.7	3752534	0.11184	3.98	0.02485	0.91	4.8920
485051.7	3752534	0.11749	4.18	0.02777	1.02	5.2003
485151.7	3752534	0.12208	4.34	0.03619	1.33	5.6731
485251.7	3752534	0.12357	4.40	0.04337	1.59	5.9899
485351.7	3752534	0.12345	4.39	0.04878	1.79	6.1845
485451.7	3752534	0.12033	4.28	0.05127	1.88	6.1650
484551.7	3752634	0.08277	2.94	0.03321	1.22	4.1650
484651.7	3752634	0.09037	3.22	0.03278	1.20	4.4196
484751.7	3752634	0.09906	3.52	0.03229	1.19	4.7108
484851.7	3752634	0.10753	3.83	0.03087	1.13	4.9599
484951.7	3752634	0.11577	4.12	0.02881	1.06	5.1774
485051.7	3752634	0.12501	4.45	0.0274	1.01	5.4543
485151.7	3752634	0.13247	4.71	0.03191	1.17	5.8854
485251.7	3752634	0.13817	4.92	0.04078	1.50	6.4142
485351.7	3752634	0.14139	5.03	0.0481	1.77	6.7977
485451.7	3752634	0.14307	5.09	0.05324	1.96	7.0464
484551.7	3752734	0.07935	2.82	0.03574	1.31	4.1363
484651.7	3752734	0.08784	3.13	0.03657	1.34	4.4689
484751.7	3752734	0.09672	3.44	0.03637	1.34	4.7775
484851.7	3752734	0.10653	3.79	0.03575	1.31	5.1037
484951.7	3752734	0.11681	4.16	0.03438	1.26	5.4191
485051.7	3752734	0.12783	4.55	0.03263	1.20	5.7468
485151.7	3752734	0.13758	4.89	0.02964	1.09	5.9838
485251.7	3752734	0.14801	5.27	0.03601	1.32	6.5889
485351.7	3752734	0.15646	5.57	0.04564	1.68	7.2434
485451.7	3752734	0.16331	5.81	0.05337	1.96	7.7712
484551.7	3752834	0.07512	2.67	0.03761	1.38	4.0546
484651.7	3752834	0.08347	2.97	0.03918	1.44	4.4093
484751.7	3752834	0.09309	3.31	0.04041	1.48	4.7968
484851.7	3752834	0.1037	3.69	0.04076	1.50	5.1871
484951.7	3752834	0.11533	4.10	0.04028	1.48	5.5832
485051.7	3752834	0.12767	4.54	0.03886	1.43	5.9700
485151.7	3752834	0.1408	5.01	0.03671	1.35	6.3582
485251.7	3752834	0.15461	5.50	0.03406	1.25	6.7521
485351.7	3752834	0.16702	5.94	0.04111	1.51	7.4527
485451.7	3752834	0.17981	6.40	0.05169	1.90	8.2965
484551.7	3752934	0.06955	2.47	0.03796	1.39	3.8693

484651.7	3752934	0.07771	2.76	0.04062	1.49	4.2573
484751.7	3752934	0.08728	3.11	0.04319	1.59	4.6922
484851.7	3752934	0.098	3.49	0.04457	1.64	5.1243
484951.7	3752934	0.11053	3.93	0.04568	1.68	5.6109
485051.7	3752934	0.12431	4.42	0.04539	1.67	6.0905
485151.7	3752934	0.13954	4.96	0.04423	1.63	6.5897
485251.7	3752934	0.15586	5.54	0.04194	1.54	7.0861
485351.7	3752934	0.17261	6.14	0.03839	1.41	7.5516
485451.7	3752934	0.18924	6.73	0.04702	1.73	8.4603
484551.7	3753034	0.06313	2.25	0.03795	1.39	3.6405
484651.7	3753034	0.07071	2.52	0.04129	1.52	4.0329
484751.7	3753034	0.07954	2.83	0.0448	1.65	4.4760
484851.7	3753034	0.09005	3.20	0.04763	1.75	4.9539
484951.7	3753034	0.1023	3.64	0.05016	1.84	5.4827
485051.7	3753034	0.11664	4.15	0.05146	1.89	6.0407
485151.7	3753034	0.13302	4.73	0.05189	1.91	6.6392
485251.7	3753034	0.15161	5.39	0.05048	1.86	7.2488
485351.7	3753034	0.17193	6.12	0.04805	1.77	7.8824
485451.7	3753034	0.19382	6.90	0.04445	1.63	8.5288
484551.7	3753134	0.0573	2.04	0.03676	1.35	3.3894
484651.7	3753134	0.06152	2.19	0.0406	1.49	3.6806
484751.7	3753134	0.07041	2.50	0.04452	1.64	4.1409
484851.7	3753134	0.07997	2.85	0.04848	1.78	4.6266
484951.7	3753134	0.09125	3.25	0.05273	1.94	5.1840
485051.7	3753134	0.1049	3.73	0.05602	2.06	5.7906
485151.7	3753134	0.12403	4.41	0.05862	2.15	6.5667
485251.7	3753134	0.14061	5.00	0.0589	2.16	7.1668
485351.7	3753134	0.16298	5.80	0.0579	2.13	7.9259
485451.7	3753134	0.18821	6.70	0.05559	2.04	8.7386
484551.7	3753234	0.05565	1.98	0.03477	1.28	3.2575
484651.7	3753234	0.0599	2.13	0.03869	1.42	3.5528
484751.7	3753234	0.06482	2.31	0.04322	1.59	3.8943
484851.7	3753234	0.0702	2.50	0.04823	1.77	4.2698
484951.7	3753234	0.07717	2.75	0.05322	1.96	4.7011
485051.7	3753234	0.09059	3.22	0.05812	2.14	5.3586
485151.7	3753234	0.10542	3.75	0.06282	2.31	6.0590
485251.7	3753234	0.12352	4.39	0.06608	2.43	6.8227
485351.7	3753234	0.14772	5.26	0.06818	2.51	7.7608
485451.7	3753234	0.17182	6.11	0.06773	2.49	8.6016
484551.7	3753334	0.05785	2.06	0.03294	1.21	3.2686
484651.7	3753334	0.0602	2.14	0.03676	1.35	3.4925
484751.7	3753334	0.06346	2.26	0.0411	1.51	3.7680
484851.7	3753334	0.06819	2.43	0.04626	1.70	4.1259
484951.7	3753334	0.07448	2.65	0.05206	1.91	4.5628
485051.7	3753334	0.08144	2.90	0.05851	2.15	5.0474
485151.7	3753334	0.08886	3.16	0.06473	2.38	5.5400
485251.7	3753334	0.10159	3.61	0.07062	2.60	6.2093
485351.7	3753334	0.1215	4.32	0.07592	2.79	7.1124
485451.7	3753334	0.14744	5.25	0.079	2.90	8.1484
484551.7	3753434	0.05989	2.13	0.03106	1.14	3.2721
484651.7	3753434	0.06293	2.24	0.03468	1.27	3.5132
484751.7	3753434	0.06566	2.34	0.03893	1.43	3.7665
484851.7	3753434	0.06844	2.43	0.04389	1.61	4.0477
484951.7	3753434	0.0724	2.58	0.04983	1.83	4.4069
485051.7	3753434	0.07767	2.76	0.05663	2.08	4.8442
485151.7	3753434	0.08605	3.06	0.0641	2.36	5.4169
485251.7	3753434	0.09553	3.40	0.07203	2.65	6.0455
485351.7	3753434	0.10614	3.78	0.08043	2.96	6.7317
485451.7	3753434	0.11807	4.20	0.08769	3.22	7.4229
484551.7	3753534	0.06168	2.19	0.02931	1.08	3.2714
484651.7	3753534	0.06507	2.31	0.03252	1.20	3.5100
484751.7	3753534	0.06903	2.46	0.03641	1.34	3.7938
484851.7	3753534	0.07323	2.61	0.04123	1.52	4.1204
484951.7	3753534	0.07769	2.76	0.04679	1.72	4.4834
485051.7	3753534	0.08266	2.94	0.05334	1.96	4.9009
485151.7	3753534	0.08801	3.13	0.06128	2.25	5.3830
485251.7	3753534	0.09475	3.37	0.07029	2.58	5.9539
485351.7	3753534	0.10543	3.75	0.08108	2.98	6.7303

485451.7	3753534	0.11772	4.19	0.09256	3.40	7.5894
484551.7	3753634	0.06383	2.27	0.02691	0.99	3.2597
484651.7	3753634	0.06756	2.40	0.03005	1.10	3.5078
484751.7	3753634	0.0726	2.58	0.03355	1.23	3.8157
484851.7	3753634	0.07884	2.80	0.03797	1.40	4.2001
484951.7	3753634	0.08591	3.06	0.04315	1.59	4.6420
485051.7	3753634	0.09386	3.34	0.04942	1.82	5.1553
485151.7	3753634	0.10267	3.65	0.05714	2.10	5.7524
485251.7	3753634	0.1125	4.00	0.06661	2.45	6.4501
485351.7	3753634	0.1238	4.40	0.07798	2.87	7.2699
485451.7	3753634	0.13692	4.87	0.09123	3.35	8.2236
484551.7	3753734	0.07082	2.52	0.02483	0.91	3.4320
484651.7	3753734	0.07613	2.71	0.02684	0.99	3.6947
484751.7	3753734	0.08225	2.93	0.02984	1.10	4.0227
484851.7	3753734	0.08845	3.15	0.03388	1.25	4.3917
484951.7	3753734	0.09569	3.40	0.03868	1.42	4.8257
485051.7	3753734	0.1038	3.69	0.04439	1.63	5.3241
485151.7	3753734	0.10918	3.88	0.05169	1.90	5.7837
485251.7	3753734	0.12303	4.38	0.0606	2.23	6.6039
485351.7	3753734	0.14225	5.06	0.07168	2.63	7.6948
485451.7	3753734	0.16592	5.90	0.08574	3.15	9.0536
484551.7	3753834	0.07616	2.71	0.02569	0.94	3.6535
484651.7	3753834	0.08109	2.88	0.02669	0.98	3.8657
484751.7	3753834	0.0869	3.09	0.02849	1.05	4.1385
484851.7	3753834	0.09059	3.22	0.03117	1.15	4.3683
484951.7	3753834	0.1004	3.57	0.03428	1.26	4.8316
485051.7	3753834	0.11147	3.97	0.03782	1.39	5.3555
485151.7	3753834	0.12465	4.43	0.04423	1.63	6.0599
485251.7	3753834	0.14366	5.11	0.05227	1.92	7.0317
485351.7	3753834	0.16977	6.04	0.06214	2.28	8.3233
485451.7	3753834	0.19485	6.93	0.07557	2.78	9.7091
484551.7	3753934	0.07512	2.67	0.03655	1.34	4.0156
484651.7	3753934	0.08285	2.95	0.03553	1.31	4.2531
484751.7	3753934	0.0897	3.19	0.03804	1.40	4.5891
484851.7	3753934	0.09891	3.52	0.03969	1.46	4.9774
484951.7	3753934	0.10923	3.89	0.04213	1.55	5.4342
485051.7	3753934	0.12561	4.47	0.03868	1.42	5.8901
485151.7	3753934	0.14393	5.12	0.0411	1.51	6.6308
485251.7	3753934	0.16017	5.70	0.04574	1.68	7.3791
485351.7	3753934	0.18414	6.55	0.05164	1.90	8.4487
485451.7	3753934	0.21272	7.57	0.06101	2.24	9.8098
484551.7	3754034	0.07676	2.73	0.03709	1.36	4.0938
484651.7	3754034	0.08775	3.12	0.03647	1.34	4.4620
484751.7	3754034	0.09644	3.43	0.03933	1.45	4.8763
484851.7	3754034	0.10772	3.83	0.04156	1.53	5.3595
484951.7	3754034	0.12068	4.29	0.03847	1.41	5.7070
485051.7	3754034	0.13547	4.82	0.0417	1.53	6.3519
485151.7	3754034	0.15704	5.59	0.04543	1.67	7.2564
485251.7	3754034	0.16768	5.97	0.05899	2.17	8.1332
485351.7	3754034	0.19677	7.00	0.05432	2.00	8.9965
485451.7	3754034	0.22081	7.86	0.05977	2.20	10.0520
484551.7	3754134	0.07988	2.84	0.02984	1.10	3.9384
484651.7	3754134	0.09063	3.22	0.03189	1.17	4.3962
484751.7	3754134	0.10021	3.57	0.03474	1.28	4.8417
484851.7	3754134	0.11199	3.98	0.03796	1.39	5.3791
484951.7	3754134	0.12609	4.49	0.04147	1.52	6.0097
485051.7	3754134	0.14218	5.06	0.04331	1.59	6.6498
485151.7	3754134	0.15607	5.55	0.05028	1.85	7.4001
485251.7	3754134	0.16863	6.00	0.05631	2.07	8.0685
485351.7	3754134	0.1924	6.84	0.0589	2.16	9.0093
485451.7	3754134	0.20516	7.30	0.06964	2.56	9.8580
484551.7	3754234	0.08507	3.03	0.03038	1.12	4.1429
484651.7	3754234	0.09257	3.29	0.0328	1.21	4.4986
484751.7	3754234	0.10269	3.65	0.03619	1.33	4.9832
484851.7	3754234	0.11339	4.03	0.04006	1.47	5.5061
484951.7	3754234	0.12513	4.45	0.04455	1.64	6.0888
485051.7	3754234	0.13669	4.86	0.04978	1.83	6.6922
485151.7	3754234	0.15287	5.44	0.05577	2.05	7.4880

485251.7	3754234	0.16387	5.83	0.06309	2.32	8.1483
485351.7	3754234	0.17571	6.25	0.07171	2.64	8.8863
485451.7	3754234	0.185	6.58	0.08232	3.03	9.6067
484551.7	3754334	0.08711	3.10	0.03792	1.39	4.4925
484651.7	3754334	0.09517	3.39	0.04147	1.52	4.9097
484751.7	3754334	0.10273	3.65	0.04554	1.67	5.3282
484851.7	3754334	0.11094	3.95	0.05014	1.84	5.7894
484951.7	3754334	0.12169	4.33	0.05527	2.03	6.3603
485051.7	3754334	0.13232	4.71	0.06101	2.24	6.9494
485151.7	3754334	0.14306	5.09	0.06734	2.47	7.5641
485251.7	3754334	0.14692	5.23	0.07558	2.78	8.0043
485351.7	3754334	0.1553	5.53	0.08407	3.09	8.6144
485451.7	3754334	0.15928	5.67	0.09426	3.46	9.1304
484551.7	3754434	0.08619	3.07	0.04313	1.58	4.6513
484651.7	3754434	0.0936	3.33	0.04656	1.71	5.0409
484751.7	3754434	0.10174	3.62	0.05024	1.85	5.4657
484851.7	3754434	0.11009	3.92	0.0542	1.99	5.9083
484951.7	3754434	0.11382	4.05	0.05876	2.16	6.2086
485051.7	3754434	0.12218	4.35	0.06334	2.33	6.6743
485151.7	3754434	0.12695	4.52	0.06821	2.51	7.0230
485251.7	3754434	0.1315	4.68	0.07431	2.73	7.4090
485351.7	3754434	0.13605	4.84	0.08602	3.16	8.0012
485451.7	3754434	0.13591	4.84	0.10075	3.70	8.5375
484551.7	3754534	0.0851	3.03	0.0429	1.58	4.6040
484651.7	3754534	0.09008	3.20	0.04516	1.66	4.8642
484751.7	3754534	0.10038	3.57	0.04906	1.80	5.3740
484851.7	3754534	0.10565	3.76	0.05421	1.99	5.7507
484951.7	3754534	0.10885	3.87	0.0597	2.19	6.0663
485051.7	3754534	0.10791	3.84	0.06508	2.39	6.2306
485151.7	3754534	0.11303	4.02	0.07019	2.58	6.6005
485251.7	3754534	0.11284	4.01	0.07565	2.78	6.7944
485351.7	3754534	0.11205	3.99	0.08889	3.27	7.2528
485451.7	3754534	0.12923	4.60	0.10682	3.93	8.5229
484551.7	3754634	0.08492	3.02	0.04529	1.66	4.6854
484651.7	3754634	0.08963	3.19	0.04865	1.79	4.9765
484751.7	3754634	0.09577	3.41	0.05176	1.90	5.3092
484851.7	3754634	0.09607	3.42	0.05469	2.01	5.4276
484951.7	3754634	0.0944	3.36	0.05663	2.08	5.4394
485051.7	3754634	0.0977	3.48	0.05868	2.16	5.6322
485151.7	3754634	0.09712	3.46	0.06766	2.49	5.9415
485251.7	3754634	0.09469	3.37	0.07944	2.92	6.2880
485351.7	3754634	0.10766	3.83	0.09185	3.38	7.2054
485451.7	3754634	0.1283	4.56	0.10634	3.91	8.4722
485549.5	3750935	0.03906	1.39	0.01543	0.57	1.9566
485649.5	3750935	0.03913	1.39	0.01605	0.59	1.9819
485749.5	3750935	0.04308	1.53	0.01548	0.57	2.1015
485849.5	3750935	0.04447	1.58	0.01387	0.51	2.0918
485549.5	3751035	0.04362	1.55	0.01549	0.57	2.1211
485649.5	3751035	0.03891	1.38	0.01655	0.61	1.9924
485749.5	3751035	0.04367	1.55	0.0164	0.60	2.1563
485849.5	3751035	0.04615	1.64	0.01503	0.55	2.1942
485549.5	3751135	0.04873	1.73	0.01545	0.57	2.3014
485649.5	3751135	0.04287	1.53	0.01689	0.62	2.1458
485749.5	3751135	0.0441	1.57	0.01721	0.63	2.2013
485849.5	3751135	0.04748	1.69	0.01619	0.59	2.2841
485549.5	3751235	0.05349	1.90	0.01532	0.56	2.4660
485649.5	3751235	0.04801	1.71	0.01708	0.63	2.3357
485749.5	3751235	0.0443	1.58	0.0179	0.66	2.2338
485849.5	3751235	0.04861	1.73	0.01733	0.64	2.3662
485549.5	3751335	0.05778	2.06	0.0153	0.56	2.6178
485649.5	3751335	0.05381	1.91	0.01717	0.63	2.5453
485749.5	3751335	0.04774	1.70	0.01846	0.68	2.3768
485849.5	3751335	0.04963	1.77	0.01841	0.68	2.4422
485549.5	3751435	0.06182	2.20	0.0162	0.60	2.7946
485649.5	3751435	0.05924	2.11	0.01721	0.63	2.7400
485749.5	3751435	0.05376	1.91	0.01891	0.69	2.6075
485849.5	3751435	0.05043	1.79	0.01934	0.71	2.5048
485549.5	3751535	0.06503	2.31	0.01813	0.67	2.9798

485649.5	3751535	0.06418	2.28	0.01728	0.64	2.9183
485749.5	3751535	0.06027	2.14	0.01922	0.71	2.8505
485849.5	3751535	0.05385	1.92	0.02012	0.74	2.6551
485549.5	3751635	0.06887	2.45	0.02489	0.91	3.3648
485649.5	3751635	0.06848	2.44	0.01997	0.73	3.1701
485749.5	3751635	0.06609	2.35	0.01946	0.72	3.0664
485849.5	3751635	0.06071	2.16	0.02075	0.76	2.9224
485549.5	3751735	0.08832	3.14	0.03702	1.36	4.5025
485649.5	3751735	0.08975	3.19	0.03293	1.21	4.4031
485749.5	3751735	0.07268	2.59	0.02356	0.87	3.4515
485849.5	3751735	0.06782	2.41	0.02129	0.78	3.1951
485549.5	3751835	0.10815	3.85	0.04171	1.53	5.3803
485649.5	3751835	0.09777	3.48	0.03779	1.39	4.8670
485749.5	3751835	0.08789	3.13	0.0304	1.12	4.2439
485849.5	3751835	0.07558	2.69	0.02475	0.91	3.5984
485549.5	3751935	0.11713	4.17	0.04386	1.61	5.7788
485649.5	3751935	0.12627	4.49	0.04215	1.55	6.0411
485749.5	3751935	0.12309	4.38	0.03957	1.45	5.8332
485849.5	3751935	0.09951	3.54	0.03601	1.32	4.8635
485549.5	3752035	0.13097	4.66	0.04114	1.51	6.1712
485649.5	3752035	0.13173	4.69	0.04127	1.52	6.2030
485749.5	3752035	0.14087	5.01	0.04292	1.58	6.5888
485849.5	3752035	0.12323	4.38	0.03937	1.45	5.8308
485549.5	3752135	0.13719	4.88	0.04279	1.57	6.4532
485649.5	3752135	0.13862	4.93	0.04393	1.61	6.5459
485749.5	3752135	0.15102	5.37	0.04345	1.60	6.9694
485849.5	3752135	0.1585	5.64	0.04152	1.53	7.1646
485549.5	3752235	0.13135	4.67	0.04395	1.62	6.2880
485649.5	3752235	0.14538	5.17	0.04614	1.70	6.8676
485749.5	3752235	0.15157	5.39	0.04638	1.70	7.0967
485849.5	3752235	0.16679	5.93	0.04558	1.67	7.6087
485549.5	3752335	0.1297	4.61	0.04462	1.64	6.2539
485649.5	3752335	0.14449	5.14	0.04776	1.76	6.8955
485749.5	3752335	0.14871	5.29	0.04936	1.81	7.1044
485849.5	3752335	0.17539	6.24	0.04963	1.82	8.0635
485549.5	3752435	0.12196	4.34	0.04558	1.67	6.0139
485649.5	3752435	0.14455	5.14	0.04845	1.78	6.9230
485749.5	3752435	0.15863	5.64	0.05139	1.89	7.5319
485849.5	3752435	0.16638	5.92	0.05275	1.94	7.8576
485549.5	3752535	0.11425	4.06	0.05064	1.86	5.9255
485649.5	3752535	0.13833	4.92	0.04964	1.82	6.7454
485749.5	3752535	0.16211	5.77	0.05315	1.95	7.7204
485849.5	3752535	0.1738	6.18	0.05515	2.03	8.2098
485549.5	3752635	0.1408	5.01	0.05478	2.01	7.0222
485649.5	3752635	0.13402	4.77	0.0529	1.94	6.7119
485749.5	3752635	0.15898	5.66	0.05623	2.07	7.7222
485849.5	3752635	0.18353	6.53	0.05893	2.17	8.6949
485549.5	3752735	0.16806	5.98	0.05812	2.14	8.1147
485649.5	3752735	0.16652	5.92	0.05821	2.14	8.0633
485749.5	3752735	0.15983	5.69	0.05812	2.14	7.8219
485849.5	3752735	0.18336	6.52	0.06249	2.30	8.8196
485549.5	3752835	0.1911	6.80	0.05934	2.18	8.9792
485649.5	3752835	0.1981	7.05	0.06232	2.29	9.3378
485749.5	3752835	0.20053	7.13	0.06165	2.27	9.3996
485849.5	3752835	0.19486	6.93	0.06626	2.43	9.3673
485549.5	3752935	0.20737	7.38	0.05814	2.14	9.5140
485649.5	3752935	0.22451	7.99	0.06515	2.39	10.3814
485749.5	3752935	0.23742	8.45	0.06655	2.45	10.8921
485849.5	3752935	0.24612	8.76	0.06837	2.51	11.2685
485549.5	3753035	0.21659	7.71	0.05456	2.00	9.7104
485649.5	3753035	0.24149	8.59	0.06621	2.43	11.0244
485749.5	3753035	0.26719	9.51	0.07139	2.62	12.1291
485849.5	3753035	0.29321	10.43	0.07178	2.64	13.0691
485549.5	3753135	0.2154	7.66	0.05116	1.88	9.5432
485649.5	3753135	0.24624	8.76	0.06324	2.32	11.0842
485749.5	3753135	0.2805	9.98	0.07412	2.72	12.7029
485849.5	3753135	0.31995	11.38	0.07759	2.85	14.2339
485549.5	3753235	0.20198	7.19	0.06508	2.39	9.5772

485649.5	3753235	0.23655	8.42	0.06107	2.24	10.6598
485749.5	3753235	0.27649	9.84	0.0739	2.72	12.5522
485849.5	3753235	0.32199	11.46	0.08363	3.07	14.5284
485549.5	3753335	0.17684	6.29	0.07951	2.92	9.2131
485649.5	3753335	0.2132	7.58	0.07702	2.83	10.4152
485749.5	3753335	0.25552	9.09	0.0719	2.64	11.7326
485849.5	3753335	0.30331	10.79	0.08684	3.19	13.9818
485549.5	3753435	0.14315	5.09	0.09286	3.41	8.5051
485649.5	3753435	0.17998	6.40	0.09414	3.46	9.8625
485749.5	3753435	0.22278	7.93	0.09189	3.38	11.3024
485849.5	3753435	0.27444	9.76	0.08557	3.14	12.9081
485619.4	3753970	0.2679	9.53	0.08084	2.97	12.5016
485713	3753962	0.29466	10.48	0.10576	3.89	14.3694
487190.9	3754410	0.21967	7.82	0.35318	12.98	20.7936
487194.8	3754289	0.30164	10.73	0.34117	12.54	23.2685
487268.8	3754091	0.40855	14.53	0.37344	13.72	28.2578
487483.3	3754102	0.28709	10.21	0.21533	7.91	18.1265

43.1778

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 8.0.7
** Lakes Environmental Software Inc.
** Date: 12/6/2012
** File: C:\MBA\Highland Fairview REV3 - All Sources\AERMOD-Construction_15hr\LST_Const_2013PM10A_15hr\LST_Const_2013PM10A_15hr.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE World Logistics Center - PM10 Annual
   TITLETWO Construction in 2013 (15 hr day)
   MODELOPT CONC  FASTALL
   AVERTIME ANNUAL
   URBANOPT 2000000
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL LST_Const_2013PM10A_15hr.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION NMGCON2013   AREAPOLY   486319.267  3755012.666      526.030
** DESCRSRC Construction ARea 2013 - Non Mass Grading
   LOCATION MGCON2013    AREAPOLY   486319.577  3755010.366      526.000
** DESCRSRC Construction Area 2013 - Mass Grading
** Source Parameters **
   SRCPARAM NMGCON2013    6.21E-07     5.000         5
   AREAVERT NMGCON2013   486319.267 3755012.666 486334.093 3753301.412
   AREAVERT NMGCON2013   486710.651 3753313.463 487149.819 3753226.004
   AREAVERT NMGCON2013   487125.227 3755009.407
   SRCPARAM MGCON2013     7.86E-07     5.000        13
   AREAVERT MGCON2013    486319.577 3755010.366 486324.885 3754612.413
   AREAVERT MGCON2013    486330.719 3753617.956 486336.998 3753319.398
   AREAVERT MGCON2013    486648.122 3753325.943 487140.109 3753236.420
   AREAVERT MGCON2013    487140.109 3753936.800 488386.372 3753947.099
   AREAVERT MGCON2013    488406.972 3754256.090 488612.966 3754389.986
   AREAVERT MGCON2013    488468.770 3754719.576 487119.510 3754740.176
   AREAVERT MGCON2013    487109.210 3755007.968
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT NMGCON2013   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT NMGCON2013   HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT NMGCON2013   HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT NMGCON2013   HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
** Saturday:
   EMISFACT NMGCON2013   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT NMGCON2013   HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT NMGCON2013   HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT NMGCON2013   HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
** Sunday:
   EMISFACT NMGCON2013   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT NMGCON2013   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT NMGCON2013   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT NMGCON2013   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT MGCON2013    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT MGCON2013    HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT MGCON2013    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT MGCON2013    HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
** Saturday:
   EMISFACT MGCON2013    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT MGCON2013    HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT MGCON2013    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT MGCON2013    HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
** Sunday:
   EMISFACT MGCON2013    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT MGCON2013    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT MGCON2013    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT MGCON2013    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED LST_Const_2013PM10A_15hr.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
```

```
   SURFFILE RIVR2.SFC
   PROFFILE RIVR2.PFL
   SURFDATA 00002 2005
   UAIRDATA 3190 2005
   PROFBASE 250.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL LST_CONST_2013PM10A_15HR.AD\AN00GALL.PLT 31
   SUMMFILE LST_Const_2013PM10A_15hr.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W530     111 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

 ************************************
 *** SETUP Finishes Successfully ***
 ************************************

♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - PM10 Annual                                  ***        12/06/12
                                   *** Construction in 2013 (15 hr day)                                      ***        11:40:39
                                                                                                                        PAGE   1
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for     2 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2000000.0 ;  Urban Roughness Length =  1.000 m

 **Model Allows User-Specified Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Used.

 **Other Options Specified:
         FASTALL  - Use effective sigma-y to optimize meander for
                    PionT and VOLUME sources, and hybrid approach
                    to optimize AREA sources (formerly TOXICS option)

 **Model Assumes No FLAGPOLE Receptor Heights.

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:      2 Source(s);       1 Source Group(s); and    1705 Receptor(s)

 **The Model Assumes A Pollutant Type of:  PM_10

 **Model Set To Continue RUNning After the Setup Testing.

 **Output Options Selected:
          Model Outputs Tables of ANNUAL Averages by Receptor
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   250.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.7 MB of RAM.

 **Detailed Error/Message File:   LST_Const_2013PM10A_15hr.err
 **File for Summary of Results:   LST_Const_2013PM10A_15hr.sum
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - PM10 Annual                                  ***        12/06/12
                                   *** Construction in 2013 (15 hr day)                                      ***        11:40:39
                                                                                                                        PAGE   2
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL
```

```
                                        *** AREAPOLY SOURCE DATA ***

                NUMBER EMISSION RATE   LOCATION OF AREA  BASE     RELEASE  NUMBER      INIT.   URBAN  EMISSION RATE
   SOURCE        PART.  (GRAMS/SEC       X        Y      ELEV.    HEIGHT  OF VERTS.     SZ     SOURCE  SCALAR VARY
     ID          CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS)            (METERS)              BY
 - - -
```

(METERS)	461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	317.90	315.50	311.70	305.80	301.50	279.60	278.50	272.60	279.20
3766938.31	336.30	305.50	294.90	294.00	283.00	268.30	267.10	395.80	277.90
3765938.31	325.60	405.70	301.30	289.30	287.10	261.20	293.50	397.30	291.80
3764938.31	311.30	365.90	350.10	293.30	273.50	258.00	261.00	288.90	288.10
3763938.31	295.70	394.50	275.10	267.50	248.90	253.00	257.10	276.60	299.60
3762938.31	266.30	266.90	261.00	243.60	247.90	254.20	263.80	281.00	306.80
3761938.31	242.70	240.00	239.10	241.70	250.50	255.90	268.10	287.50	312.50
3760938.31	227.40	232.20	233.60	267.10	260.30	266.80	279.00	295.10	323.80
3759938.31	231.00	227.90	306.60	254.10	267.80	278.00	287.90	303.00	326.30
3758938.31	225.00	236.10	253.00	263.10	271.10	278.30	294.20	306.30	325.20
3757938.31	242.90	247.20	257.60	287.20	273.70	269.10	286.50	309.40	333.40
3756938.31	240.20	249.30	257.40	270.00	287.90	314.60	321.20	305.30	333.60
3755938.31	246.00	257.10	266.10	276.80	293.20	340.60	359.10	392.00	355.20
3754938.31	248.50	260.00	276.80	296.00	315.10	378.50	397.50	424.40	446.50
3753938.31	260.60	269.80	285.70	300.20	343.20	384.50	408.70	459.30	492.70
3752938.31	270.20	283.70	306.80	324.20	359.90	410.50	453.20	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	370.10	406.50	435.60	459.70	473.80
3750938.31	302.60	319.90	344.80	357.00	359.90	410.40	467.40	475.40	487.80
3749938.31	329.00	337.50	391.80	442.20	444.30	439.90	466.10	486.40	501.00
3748938.31	396.00	335.40	377.80	424.70	452.80	466.30	492.50	530.60	513.50
3747938.31	427.10	444.20	382.70	398.40	434.20	525.50	527.90	535.40	508.80
3746938.31	441.20	476.80	468.20	415.80	447.50	476.50	480.20	486.90	492.60
3745938.31	443.70	473.10	464.50	438.00	420.80	444.80	467.60	496.10	513.30
3744938.31	430.60	450.90	441.80	434.80	446.20	468.50	540.20	507.00	518.10
3743938.31	417.00	420.10	430.30	443.00	447.20	451.30	469.00	476.40	478.80
3742938.31	435.90	446.30	466.50	498.00	501.00	511.50	481.80	517.80	556.40
3741938.31	474.60	533.00	551.60	552.10	619.20	572.30	597.50	653.00	564.20

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	283.60	289.00	304.20	312.00	323.50	341.00	348.00	353.60	357.50
3766938.31	301.20	333.70	340.60	336.20	384.40	409.90	380.20	386.80	384.50
3765938.31	313.20	342.50	448.10	359.20	407.10	458.80	482.50	461.70	459.60
3764938.31	311.10	346.40	657.00	455.30	395.40	467.20	504.80	545.20	510.30
3763938.31	325.70	353.10	435.90	504.40	420.40	430.90	500.60	554.40	626.90
3762938.31	318.70	356.60	382.20	408.20	498.60	534.40	470.90	509.90	539.10
3761938.31	411.70	551.30	580.90	449.90	615.40	776.00	690.30	617.60	548.30
3760938.31	399.70	469.40	625.60	642.80	582.20	632.10	814.90	830.10	632.90
3759938.31	352.70	380.50	666.10	820.90	599.20	547.70	579.10	784.30	625.60
3758938.31	356.30	404.00	732.30	830.30	615.10	544.90	541.10	565.00	602.60
3757938.31	390.90	429.40	509.10	790.60	782.00	562.30	524.60	545.10	576.90
3756938.31	396.60	462.40	469.80	513.40	695.40	563.20	521.90	516.20	540.60
3755938.31	451.40	484.60	457.40	488.80	514.90	515.10	503.90	508.20	511.80
3754938.31	462.00	468.90	467.80	474.40	483.10	495.10	497.10	497.00	496.10
3753938.31	485.80	444.20	462.50	468.20	470.10	483.70	489.90	488.60	488.00
3752938.31	496.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	499.70	534.90	498.40	478.90	472.10	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	472.60	465.30	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	467.20	456.80	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	476.10	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	454.60	452.80	451.90
3746938.31	525.30	513.50	511.80	533.20	519.10	469.50	454.30	454.50	447.50
3745938.31	546.30	513.20	510.80	517.60	521.80	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	533.40	477.40	461.80	449.40	445.80
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	522.10	528.30	527.90	518.60	512.50	490.80	475.50	452.00	447.80
3741938.31	593.90	581.10	555.50	534.60	537.70	549.40	498.00	460.30	442.90

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	373.90	406.60	408.60	429.30	457.00	476.70	495.00	534.80	562.90
3765938.31	441.20	390.60	450.20	458.00	486.40	516.70	539.40	562.30	602.20
3764938.31	472.90	447.20	408.10	450.00	508.00	549.40	579.80	596.40	630.70
3763938.31	573.90	480.90	465.10	443.30	451.50	526.90	616.60	643.00	665.40
3762938.31	633.40	621.10	497.10	513.60	500.30	473.20	549.60	558.50	597.70
3761938.31	633.80	696.10	578.40	595.10	536.00	493.00	521.50	573.40	589.70
3760938.31	612.70	771.50	774.50	667.50	632.60	595.90	532.50	510.00	543.10
3759938.31	750.20	721.00	823.40	796.40	718.30	624.10	577.90	559.90	566.90
3758938.31	769.50	817.80	682.00	715.80	715.30	649.00	632.00	705.60	627.80
3757938.31	654.20	735.40	726.40	625.20	646.60	603.80	643.90	673.20	703.70
3756938.31	578.40	596.10	632.00	636.80	574.80	581.40	584.90	593.20	633.90
3755938.31	534.90	550.50	557.10	551.80	558.10	556.20	551.80	549.40	578.00
3754938.31	501.90	518.80	513.20	530.30	535.20	537.10	527.60	525.60	526.30
3753938.31	484.50	494.20	500.90	507.30	527.20	515.60	503.90	503.00	496.40
3752938.31	472.20	481.00	482.10	483.90	484.30	487.50	488.10	487.40	479.60
3751938.31	472.00	468.70	466.60	469.20	467.20	475.60	513.80	650.90	533.40
3750938.31	462.20	464.30	454.80	461.90	476.80	531.30	771.00	658.60	548.10
3749938.31	461.90	456.70	491.00	524.00	524.30	563.50	580.90	550.10	513.70
3748938.31	453.60	458.80	528.40	666.50	545.30	516.50	507.70	500.10	534.60
3747938.31	448.80	453.60	630.60	614.60	504.60	497.40	478.00	495.60	566.60

3746938.31	443.40	457.10	486.30	478.00	478.00	478.00	478.00	535.10	465.60
3745938.31	444.60	444.00	451.50	478.00	478.00	478.00	544.70	620.50	435.80
3744938.31	442.20	442.80	446.20	452.70	478.00	491.40	688.80	460.70	434.70
3743938.31	442.20	443.90	443.80	449.80	518.60	704.30	461.70	433.40	439.40
3742938.31	443.00	436.50	441.80	460.50	485.80	462.50	436.60	434.40	437.20
3741938.31	440.00	440.00	443.20	464.70	494.00	451.40	435.10	436.80	444.80

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - PM10 Annual *** 12/06/12
*** Construction in 2013 (15 hr day) *** 11:40:39
PAGE 10

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	585.60	659.90	750.50	849.50	964.60	887.60	799.80	842.60
3766938.31	620.90	644.20	726.40	740.70	749.70	765.90	746.90	783.40	825.20
3765938.31	647.50	671.10	648.30	644.30	667.00	700.80	752.10	785.40	821.00
3764938.31	645.70	628.90	634.80	634.90	658.40	717.30	744.10	769.90	803.90
3763938.31	641.80	636.10	611.10	647.70	662.20	696.20	735.10	762.10	788.90
3762938.31	567.80	579.90	612.80	639.70	683.70	703.20	737.10	760.10	788.60
3761938.31	645.00	662.30	670.20	680.00	684.30	717.00	734.10	758.40	782.00
3760938.31	605.10	665.70	651.20	671.30	699.20	686.90	709.50	748.60	777.00
3759938.31	554.60	565.70	601.70	627.90	662.80	672.60	705.00	707.60	735.00
3758938.31	691.80	646.90	606.20	641.40	617.10	646.90	656.00	701.50	705.00
3757938.31	708.00	700.40	691.40	714.50	700.80	636.00	691.20	708.50	717.50
3756938.31	671.60	698.80	672.20	693.20	762.30	676.60	660.50	722.70	744.70
3755938.31	584.70	625.90	643.00	724.20	685.50	740.50	714.80	678.00	696.50
3754938.31	538.80	559.60	583.70	611.70	661.10	631.20	658.60	711.00	714.10
3753938.31	497.80	504.20	536.20	577.90	576.60	604.60	594.70	629.30	712.60
3752938.31	476.00	484.00	483.20	521.60	511.20	551.60	565.60	597.80	713.90
3751938.31	461.80	464.20	456.50	460.80	483.90	546.20	559.10	588.10	668.30
3750938.31	452.20	443.30	437.30	433.00	456.70	508.60	521.70	564.30	641.50
3749938.31	440.90	437.90	432.30	428.00	441.00	462.30	480.10	618.00	616.20
3748938.31	447.80	435.20	433.30	430.10	431.40	434.70	436.80	562.80	649.90
3747938.31	441.10	433.70	435.40	437.00	430.60	428.00	432.60	441.60	530.80
3746938.31	435.20	470.70	436.80	436.10	434.50	439.70	433.90	437.50	452.70
3745938.31	432.10	434.70	437.10	439.10	440.90	438.60	438.10	435.60	446.20
3744938.31	435.10	440.90	436.10	438.20	441.30	441.00	441.10	438.90	439.20
3743938.31	445.10	447.60	443.00	442.10	473.20	470.40	440.10	441.00	440.30
3742938.31	453.00	463.60	463.40	470.40	558.30	719.10	644.10	446.20	448.60
3741938.31	459.30	477.60	489.00	576.80	623.40	693.40	713.10	512.00	449.70

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - PM10 Annual *** 12/06/12
*** Construction in 2013 (15 hr day) *** 11:40:39
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	884.20	929.90	993.80	1066.90	1171.60	1243.50	1319.20	1434.80	1630.30
3766938.31	883.00	946.60	1050.80	1085.60	1198.10	1517.00	1503.00	1502.80	1502.40
3765938.31	883.90	1004.20	1177.00	1131.40	1192.90	1410.70	1471.10	1478.60	1400.30
3764938.31	850.10	947.40	1013.60	1008.70	1179.60	1281.10	1301.70	1306.10	1382.20
3763938.31	829.40	857.30	905.40	964.90	1044.10	1180.20	1202.20	1179.70	1257.70
3762938.31	822.50	865.90	944.60	1007.70	1037.60	1078.00	1127.90	1158.40	1182.30
3761938.31	809.00	878.30	953.60	1169.40	1036.50	1099.60	1048.30	1047.60	1121.70
3760938.31	787.90	883.00	940.40	982.90	1006.80	962.30	991.10	1006.40	1068.70
3759938.31	799.00	833.90	872.10	865.40	882.00	901.80	917.10	980.90	1014.00
3758938.31	739.80	775.50	823.60	827.30	844.80	866.20	876.00	896.40	973.80
3757938.31	745.50	766.60	789.80	806.10	812.70	836.20	847.10	869.00	891.20
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	796.10	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	733.70	739.00	748.20	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	698.30	742.60	758.40	806.00	784.40	793.40	782.90	776.00	774.50
3751938.31	688.50	698.30	788.50	827.60	779.20	816.00	826.50	776.50	765.50
3750938.31	637.60	658.70	761.70	746.60	753.10	763.30	778.20	767.10	824.50
3749938.31	565.10	605.60	688.00	741.70	730.60	768.40	748.50	743.00	742.90
3748938.31	600.40	581.60	634.10	689.10	721.10	712.00	735.90	695.10	721.80
3747938.31	612.80	550.40	629.60	635.50	674.00	749.80	680.90	680.10	661.60
3746938.31	475.00	519.90	658.40	668.60	636.20	659.50	635.50	626.90	644.80
3745938.31	457.70	478.30	548.30	576.50	593.60	572.70	612.10	688.50	733.30
3744938.31	445.20	446.70	455.30	487.90	797.60	730.60	713.70	991.50	924.10
3743938.31	441.00	442.60	443.20	451.00	524.60	831.50	1033.10	970.20	1073.70
3742938.31	441.80	443.80	445.20	450.00	460.10	583.10	792.30	1036.30	1119.40
3741938.31	445.60	445.70	445.30	450.20	453.60	459.80	469.30	669.80	974.60

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - PM10 Annual *** 12/06/12
*** Construction in 2013 (15 hr day) *** 11:40:39
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	677.00	570.00	311.70	305.80	301.50	279.60	331.00	406.00	735.00
3766938.31	677.00	677.00	478.00	303.00	283.00	289.00	434.00	406.00	735.00
3765938.31	677.00	478.00	518.00	478.00	287.10	429.00	434.00	434.00	735.00
3764938.31	677.00	518.00	518.00	518.00	273.50	258.00	434.00	735.00	735.00

3763938.31	677.00	518.00	518.00	518.00	248.90	253.00	257.10	735.00	758.00
3762938.31	677.00	518.00	518.00	518.00	247.90	259.00	580.00	735.00	905.00
3761938.31	518.00	518.00	518.00	373.00	250.50	255.90	580.00	905.00	932.00
3760938.31	227.40	392.00	392.00	392.00	260.30	266.80	580.00	932.00	932.00
3759938.31	231.00	392.00	392.00	392.00	267.80	278.00	905.00	932.00	932.00
3758938.31	225.00	251.00	253.00	263.10	271.10	278.30	905.00	932.00	932.00
3757938.31	242.90	247.20	257.60	343.00	319.00	294.00	905.00	932.00	932.00
3756938.31	240.20	249.30	257.40	318.00	287.90	314.60	330.00	932.00	932.00
3755938.31	246.00	257.10	266.10	276.80	432.00	432.00	359.10	404.00	932.00
3754938.31	248.50	260.00	276.80	296.00	432.00	432.00	397.50	427.00	459.00
3753938.31	260.60	269.80	337.00	300.20	372.00	401.00	408.70	459.30	492.70
3752938.31	270.20	288.00	306.80	324.20	359.90	439.00	470.00	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	374.00	498.00	498.00	466.00	473.80
3750938.31	302.60	319.90	344.80	384.00	359.90	472.00	467.40	475.40	487.80
3749938.31	411.00	337.50	458.00	458.00	446.00	448.00	466.10	486.40	501.00
3748938.31	405.00	480.00	395.00	424.70	455.00	466.30	492.50	543.00	513.50
3747938.31	428.00	456.00	498.00	398.40	559.00	559.00	537.00	535.40	508.80
3746938.31	441.20	476.80	488.00	445.00	447.50	476.50	480.20	486.90	492.60
3745938.31	445.00	478.00	468.00	438.00	420.80	450.00	467.60	496.10	513.30
3744938.31	464.00	450.90	441.80	434.80	451.00	501.00	540.20	507.00	518.10
3743938.31	417.00	422.00	430.30	632.00	633.00	633.00	661.00	685.00	478.80
3742938.31	597.00	710.00	710.00	632.00	633.00	633.00	687.00	687.00	687.00
3741938.31	710.00	710.00	710.00	736.00	633.00	602.00	661.00	680.00	734.00

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	735.00	735.00	735.00	735.00	735.00	341.00	348.00	353.60	357.50
3766938.31	735.00	735.00	735.00	735.00	735.00	481.00	563.00	634.00	642.00
3765938.31	735.00	735.00	735.00	841.00	735.00	461.00	563.00	635.00	644.00
3764938.31	735.00	758.00	735.00	735.00	941.00	941.00	941.00	941.00	941.00
3763938.31	867.00	867.00	856.00	856.00	941.00	941.00	941.00	941.00	634.00
3762938.31	932.00	932.00	941.00	941.00	941.00	941.00	941.00	941.00	941.00
3761938.31	905.00	850.00	867.00	941.00	941.00	874.00	941.00	941.00	941.00
3760938.31	932.00	932.00	905.00	905.00	941.00	941.00	941.00	941.00	941.00
3759938.31	932.00	932.00	932.00	867.00	941.00	941.00	941.00	941.00	941.00
3758938.31	932.00	932.00	932.00	905.00	932.00	941.00	941.00	941.00	941.00
3757938.31	932.00	932.00	932.00	932.00	932.00	941.00	941.00	941.00	941.00
3756938.31	932.00	932.00	932.00	932.00	932.00	932.00	941.00	941.00	890.00
3755938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	890.00
3754938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	497.00	496.10
3753938.31	485.80	932.00	932.00	932.00	932.00	932.00	489.90	488.60	488.00
3752938.31	509.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	509.00	541.00	503.00	478.90	479.00	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	479.00	490.00	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	468.00	490.00	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	478.00	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	462.00	452.80	451.90
3746938.31	566.00	513.50	511.80	536.00	519.10	469.50	454.30	454.50	457.00
3745938.31	559.00	513.20	510.80	517.60	540.00	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	548.00	477.40	461.80	449.40	447.00
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	734.00	528.30	527.90	518.60	515.00	490.80	475.50	455.00	452.00
3741938.31	734.00	734.00	555.50	534.60	537.70	549.40	597.00	460.30	442.90

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	3236.00	3236.00	3251.00	3300.00	3300.00	3300.00	3410.00	3497.00	3499.00
3766938.31	537.00	3236.00	3251.00	3300.00	3300.00	3300.00	3300.00	3410.00	3499.00
3765938.31	644.00	3236.00	3236.00	3251.00	3300.00	3300.00	3300.00	3300.00	3410.00
3764938.31	941.00	687.00	3236.00	3236.00	3251.00	3300.00	3300.00	3300.00	3300.00
3763938.31	687.00	941.00	858.00	3236.00	3251.00	3251.00	3251.00	3300.00	3300.00
3762938.31	941.00	782.00	858.00	858.00	3236.00	3251.00	3300.00	3300.00	3300.00
3761938.31	941.00	858.00	858.00	858.00	858.00	3236.00	3251.00	3300.00	3300.00
3760938.31	941.00	824.00	858.00	858.00	858.00	802.00	3236.00	3300.00	3300.00
3759938.31	887.00	890.00	833.00	829.00	802.00	771.00	771.00	3236.00	3251.00
3758938.31	890.00	890.00	890.00	829.00	741.00	731.00	751.00	751.00	3236.00
3757938.31	890.00	890.00	890.00	890.00	684.00	603.80	738.00	774.00	774.00
3756938.31	890.00	890.00	890.00	682.00	574.80	581.40	584.90	774.00	774.00
3755938.31	890.00	890.00	890.00	721.00	558.10	556.20	551.80	549.40	607.00
3754938.31	890.00	890.00	518.00	530.30	617.00	537.10	527.60	525.60	528.00
3753938.31	484.50	494.20	500.90	617.00	617.00	615.00	811.00	811.00	777.00
3752938.31	472.20	481.00	482.10	483.90	811.00	811.00	811.00	811.00	811.00
3751938.31	472.00	468.70	466.60	798.00	811.00	811.00	811.00	811.00	811.00
3750938.31	462.20	741.00	777.00	798.00	811.00	811.00	798.00	811.00	811.00
3749938.31	766.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00	811.00
3748938.31	777.00	777.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00
3747938.31	777.00	777.00	777.00	777.00	777.00	810.00	811.00	810.00	804.00
3746938.31	777.00	777.00	777.00	777.00	810.00	810.00	810.00	810.00	810.00
3745938.31	444.60	777.00	777.00	810.00	810.00	810.00	810.00	810.00	810.00
3744938.31	442.20	442.80	757.00	810.00	810.00	810.00	810.00	810.00	810.00
3743938.31	442.20	443.90	757.00	810.00	810.00	757.00	810.00	810.00	810.00
3742938.31	443.00	436.50	757.00	757.00	810.00	810.00	810.00	810.00	810.00
3741938.31	440.00	443.00	757.00	757.00	757.00	810.00	810.00	810.00	444.80

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3766938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3765938.31	3498.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3764938.31	3497.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3763938.31	3410.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3762938.31	3497.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3761938.31	3300.00	3410.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3760938.31	3300.00	3300.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3759938.31	3300.00	3410.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3758938.31	3236.00	3300.00	3410.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3757938.31	769.00	3236.00	3251.00	3300.00	3497.00	3499.00	3499.00	3499.00	3499.00
3756938.31	760.00	761.00	3236.00	3251.00	3251.00	3499.00	3499.00	3499.00	3499.00
3755938.31	760.00	760.00	3236.00	727.00	3251.00	3251.00	3499.00	3499.00	3499.00
3754938.31	546.00	639.00	627.00	3236.00	3236.00	3300.00	3499.00	3499.00	3499.00
3753938.31	777.00	569.00	596.00	581.00	3236.00	3236.00	3499.00	3499.00	3499.00
3752938.31	811.00	777.00	575.00	529.00	3236.00	3236.00	3236.00	3499.00	3236.00
3751938.31	811.00	777.00	461.00	460.80	578.00	546.20	592.00	3236.00	709.00
3750938.31	811.00	811.00	437.30	433.00	456.70	518.00	713.00	713.00	680.00
3749938.31	811.00	811.00	432.30	428.00	441.00	713.00	713.00	713.00	713.00
3748938.31	811.00	729.00	729.00	432.00	439.00	713.00	713.00	713.00	663.00
3747938.31	804.00	804.00	729.00	437.00	430.60	428.00	713.00	713.00	663.00
3746938.31	810.00	804.00	599.00	436.10	434.50	439.70	433.90	653.00	663.00
3745938.31	810.00	804.00	437.10	439.10	796.00	796.00	438.10	435.60	446.20
3744938.31	810.00	804.00	436.10	796.00	796.00	796.00	796.00	796.00	439.20
3743938.31	810.00	447.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3742938.31	453.00	463.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3741938.31	459.30	477.60	796.00	796.00	796.00	796.00	781.00	796.00	796.00

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3766938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3765938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3764938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3763938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3762938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3761938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3760938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3759938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3758938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3757938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3756938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3755938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3754938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3753938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3752938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3751938.31	702.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3750938.31	679.00	3499.00	799.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3749938.31	782.00	860.00	774.00	749.00	3499.00	3499.00	3499.00	3499.00	3499.00
3748938.31	644.00	670.00	716.00	711.00	783.00	3499.00	3499.00	3499.00	3499.00
3747938.31	618.00	800.00	800.00	800.00	830.00	830.00	3470.00	3499.00	3499.00
3746938.31	800.00	800.00	800.00	800.00	1147.00	1147.00	1220.00	3499.00	3499.00
3745938.31	800.00	1133.00	1133.00	1147.00	1220.00	1220.00	3276.00	3276.00	3276.00
3744938.31	1129.00	1147.00	1168.00	1220.00	1133.00	1220.00	1220.00	1016.00	1220.00
3743938.31	1133.00	1168.00	1220.00	1220.00	1220.00	1168.00	1133.00	1168.00	1078.00
3742938.31	1133.00	1168.00	1220.00	1220.00	3276.00	1237.00	1220.00	1168.00	1168.00
3741938.31	1133.00	1168.00	1220.00	1220.00	3276.00	3276.00	3276.00	3276.00	1220.00

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

484551.7, 484651.7, 484751.7, 484851.7, 484951.7, 485051.7, 485151.7, 485251.7, 485351.7, 485451.7,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.4, 3751034.4, 3751134.4, 3751234.4, 3751334.4, 3751434.4, 3751534.4, 3751634.4, 3751734.4, 3751834.4,
3751934.4, 3752034.4, 3752134.4, 3752234.4, 3752334.4, 3752434.4, 3752534.4, 3752634.4, 3752734.4, 3752834.4,
3752934.4, 3753034.4, 3753134.4, 3753234.4, 3753334.4, 3753434.4, 3753534.4, 3753634.4, 3753734.4, 3753834.4,
3753934.4, 3754034.4, 3754134.4, 3754234.4, 3754334.4, 3754434.4, 3754534.4, 3754634.4,

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	524.70	525.20	523.10	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	523.30	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	521.50	520.70	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	518.70	518.40	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	516.90	518.10	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	518.10	514.80	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	517.70	512.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	515.80	511.30	512.10	511.60	512.10	508.80	506.80	509.90	509.10
3753834.43	510.50	509.90	507.90	511.00	507.90	508.00	508.50	506.70	502.40
3753734.43	507.90	507.90	506.50	506.80	505.40	503.10	508.40	504.90	503.30
3753634.43	505.40	508.10	501.40	503.70	503.70	503.30	503.20	503.00	502.00
3753534.43	502.40	500.60	501.10	505.00	504.30	501.80	501.10	498.80	499.90
3753434.43	498.20	500.10	501.50	501.30	502.50	501.60	499.50	497.50	498.00
3753334.43	498.80	499.20	497.80	498.20	498.30	499.50	497.40	496.00	496.90
3753234.43	496.80	496.00	496.70	497.80	496.40	495.20	496.20	494.90	496.00
3753134.43	498.10	497.00	494.60	493.00	495.50	495.30	497.10	492.90	491.50
3753034.43	494.30	493.10	494.60	493.00	494.00	492.80	493.70	491.30	491.10
3752934.43	487.60	488.10	490.80	488.60	490.80	489.70	490.10	490.20	488.40
3752834.43	488.90	488.00	489.10	488.80	488.50	487.50	487.80	490.40	486.40
3752734.43	486.30	487.90	485.40	485.50	485.30	487.90	484.30	486.00	484.80
3752634.43	486.90	484.10	487.00	485.90	483.90	490.10	488.80	486.00	483.20
3752534.43	483.40	482.40	478.60	483.50	481.50	482.10	483.90	481.50	482.60
3752434.43	480.00	484.30	482.60	483.00	481.10	477.10	483.10	479.20	483.50
3752334.43	478.40	481.10	480.70	479.00	480.30	479.30	481.40	480.90	483.80
3752234.43	475.80	477.00	481.50	478.90	478.30	472.50	481.10	479.50	483.70
3752134.43	475.40	478.80	479.20	479.80	480.70	479.50	480.70	485.90	491.70
3752034.43	480.20	481.20	476.20	478.10	482.00	478.70	482.40	487.10	493.80
3751934.43	475.60	477.20	479.30	478.60	479.40	482.60	487.80	490.10	497.20
3751834.43	475.90	478.80	480.40	483.60	480.90	486.20	491.70	498.90	506.50
3751734.43	482.60	483.70	490.40	491.10	488.70	490.80	495.50	501.30	512.70
3751634.43	487.30	492.60	492.30	493.50	495.90	493.70	501.30	512.90	527.00
3751534.43	490.70	494.00	501.90	502.10	505.60	504.10	514.20	535.70	561.00
3751434.43	495.40	502.10	507.10	510.40	512.40	522.30	540.90	563.70	601.20
3751334.43	500.20	504.10	509.30	515.40	516.70	531.00	556.50	596.00	635.10
3751234.43	504.80	510.60	515.40	521.50	530.10	547.10	570.50	612.20	650.20
3751134.43	512.40	513.00	516.40	540.90	547.30	559.70	574.00	609.80	636.10
3751034.43	514.10	518.70	538.20	566.60	558.70	570.80	594.70	631.60	660.00
3750934.43	532.10	531.70	564.30	576.10	577.60	587.10	618.00	658.00	693.50

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - PM10 Annual *** 12/06/12
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	516.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	507.50
3753934.43	507.60
3753834.43	504.10
3753734.43	502.70
3753634.43	500.40
3753534.43	500.80
3753434.43	497.40
3753334.43	496.10
3753234.43	494.70
3753134.43	492.30
3753034.43	491.70
3752934.43	485.90
3752834.43	487.20
3752734.43	485.10
3752634.43	485.10
3752534.43	484.10
3752434.43	485.40
3752334.43	484.70
3752234.43	491.00
3752134.43	493.80
3752034.43	502.20
3751934.43	504.90
3751834.43	515.40
3751734.43	523.90
3751634.43	548.80
3751534.43	594.90
3751434.43	642.40
3751334.43	689.90
3751234.43	687.90
3751134.43	679.30
3751034.43	697.10
3750934.43	732.40

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - PM10 Annual *** 12/06/12
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**MODELOPTs: NonDFAULT CONC ELEV

FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	615.00	527.00	526.00	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	615.00	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	616.00	615.00	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	616.00	615.00	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	616.00	615.00	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	616.00	615.00	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	615.00	615.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	615.00	559.00	512.10	511.60	512.10	508.80	811.00	811.00	811.00
3753834.43	615.00	559.00	507.90	511.00	811.00	811.00	811.00	811.00	811.00
3753734.43	613.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3750934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - PM10 Annual *** 12/06/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	520.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	811.00
3753934.43	811.00
3753834.43	811.00
3753734.43	811.00
3753634.43	811.00
3753534.43	811.00
3753434.43	811.00
3753334.43	811.00
3753234.43	811.00
3753134.43	811.00
3753034.43	811.00
3752934.43	811.00
3752834.43	811.00
3752734.43	811.00
3752634.43	811.00
3752534.43	811.00
3752434.43	811.00
3752334.43	811.00
3752234.43	811.00
3752134.43	811.00
3752034.43	811.00
3751934.43	811.00
3751834.43	811.00
3751734.43	811.00
3751634.43	811.00
3751534.43	811.00
3751434.43	811.00
3751334.43	811.00
3751234.43	811.00
3751134.43	811.00
3751034.43	811.00
3750934.43	811.00

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - PM10 Annual *** 12/06/12
*** Construction in 2013 (15 hr day) *** 11:40:39
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

485549.5, 485649.5, 485749.5, 485849.5,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.9, 3751034.9, 3751134.9, 3751234.9, 3751334.9, 3751434.9, 3751534.9, 3751634.9, 3751734.9, 3751834.9,
3751934.9, 3752034.9, 3752134.9, 3752234.9, 3752334.9, 3752434.9, 3752534.9, 3752634.9, 3752734.9, 3752834.9,
3752934.9, 3753034.9, 3753134.9, 3753234.9, 3753334.9, 3753434.9,

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - PM10 Annual *** 12/06/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	497.00	494.70	493.80	492.50
3753334.90	495.20	494.30	494.20	494.90
3753234.90	493.20	495.50	492.40	492.80
3753134.90	490.00	490.70	490.50	489.50
3753034.90	490.20	491.70	489.20	490.10
3752934.90	488.20	488.60	486.50	488.00
3752834.90	489.00	487.30	488.80	488.50
3752734.90	488.90	487.30	487.40	486.30
3752634.90	486.00	486.60	486.90	486.00
3752534.90	486.00	484.20	484.00	486.00
3752434.90	485.70	485.00	488.10	493.30
3752334.90	489.50	491.30	494.00	502.10
3752234.90	493.50	496.70	497.00	506.50
3752134.90	498.50	502.00	503.90	507.60
3752034.90	508.20	508.10	511.20	522.80
3751934.90	513.90	513.00	519.30	532.40
3751834.90	518.10	529.70	538.40	559.00
3751734.90	531.80	533.60	558.40	605.00
3751634.90	557.00	570.60	588.90	622.30
3751534.90	599.00	611.20	626.10	628.30
3751434.90	659.50	664.00	669.40	643.70
3751334.90	702.50	703.50	696.20	663.60
3751234.90	708.30	736.50	713.70	692.00
3751134.90	720.70	748.90	725.50	720.30
3751034.90	744.10	769.60	738.00	734.40
3750934.90	771.00	782.40	753.40	754.20

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - PM10 Annual *** 12/06/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	811.00	811.00	811.00	811.00
3753334.90	811.00	811.00	811.00	811.00
3753234.90	811.00	811.00	811.00	811.00
3753134.90	811.00	811.00	811.00	811.00
3753034.90	811.00	811.00	811.00	811.00
3752934.90	811.00	811.00	811.00	811.00
3752834.90	811.00	811.00	811.00	811.00
3752734.90	811.00	811.00	811.00	811.00
3752634.90	811.00	811.00	811.00	811.00
3752534.90	811.00	811.00	811.00	811.00
3752434.90	811.00	811.00	811.00	811.00
3752334.90	811.00	811.00	811.00	811.00
3752234.90	811.00	811.00	811.00	811.00
3752134.90	811.00	811.00	811.00	811.00
3752034.90	811.00	811.00	811.00	811.00
3751934.90	811.00	811.00	811.00	811.00
3751834.90	811.00	811.00	811.00	811.00
3751734.90	811.00	811.00	811.00	811.00
3751634.90	811.00	811.00	811.00	811.00
3751534.90	811.00	811.00	811.00	811.00
3751434.90	811.00	811.00	811.00	811.00
3751334.90	811.00	811.00	811.00	811.00
3751234.90	811.00	811.00	811.00	811.00
3751134.90	811.00	811.00	811.00	811.00
3751034.90	811.00	798.00	811.00	811.00
3750934.90	798.00	798.00	811.00	811.00

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - PM10 Annual *** 12/06/12
*** Construction in 2013 (15 hr day) *** 11:40:39
PAGE 25

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(485619.4, 3753969.7, 505.7, 811.0, 0.0); (485713.0, 3753961.9, 506.6, 811.0, 0.0);

```
    ( 487190.8, 3754410.3,     509.4,     776.0,       0.0);         ( 487194.8, 3754289.5,     507.2,     777.0,       0.0);
    ( 487268.8, 3754090.6,     503.1,     777.0,       0.0);         ( 487483.3, 3754102.3,     502.0,     777.0,       0.0);
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - PM10 Annual                                  ***        12/06/12
                                    *** Construction in 2013 (15 hr day)                                      ***        11:40:39
                                                                                                                          PAGE  26
 **MODELOPTS:  NonDFAULT CONC                                                    ELEV
                         FASTALL

                                              *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                          (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                         *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                              (METERS/SEC)

                                                   1.54,   3.09,   5.14,   8.23,  10.80,
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - PM10 Annual                                  ***        12/06/12
                                    *** Construction in 2013 (15 hr day)                                      ***        11:40:39
                                                                                                                          PAGE  27
 **MODELOPTS:  NonDFAULT CONC                                                    ELEV
                         FASTALL

                                         *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

   Surface file:   RIVR2.SFC                                                                                  Met Version:  11059
   Profile file:   RIVR2.PFL
   Surface format: FREE
   Profile format: FREE
   Surface station no.:        2                  Upper air station no.:     3190
                  Name: UNKNOWN                                   Name: UNKNOWN
                  Year:   2005                                    Year:   2005

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    ZO  BOWEN ALBEDO  REF WS   WD     HT  REF TA     HT
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 05 01 01   1 01   -7.5  0.135 -9.000 -9.000 -999.  115.     29.0  0.39   1.00   1.00    1.60  338.    9.1  279.2    5.5
 05 01 01   1 02   -2.2  0.057 -9.000 -9.000 -999.   34.      7.4  0.39   1.00   1.00    0.90  264.    9.1  279.2    5.5
 05 01 01   1 03   -4.0  0.070 -9.000 -9.000 -999.   42.      7.4  0.39   1.00   1.00    1.10   54.    9.1  278.8    5.5
 05 01 01   1 04   -1.6  0.044 -9.000 -9.000 -999.   21.      4.7  0.39   1.00   1.00    0.70  360.    9.1  278.8    5.5
 05 01 01   1 05   -2.7  0.063 -9.000 -9.000 -999.   37.      8.2  0.39   1.00   1.00    1.00  318.    9.1  278.1    5.5
 05 01 01   1 06   -2.8  0.070 -9.000 -9.000 -999.   42.     10.5  0.39   1.00   1.00    1.10   53.    9.1  277.5    5.5
 05 01 01   1 07   -3.8  0.070 -9.000 -9.000 -999.   42.      7.7  0.39   1.00   1.00    1.10  134.    9.1  278.8    5.5
 05 01 01   1 08   -2.3  0.057 -9.000 -9.000 -999.   31.      7.0  0.39   1.00   0.53    0.90  319.    9.1  278.8    5.5
 05 01 01   1 09   29.7  0.193  0.388  0.005   69.  195.    -21.1  0.39   1.00   0.32    1.20  110.    9.1  282.0    5.5
 05 01 01   1 10   78.5  0.248  1.193  0.005  760.  285.    -17.1  0.39   1.00   0.25    1.50  107.    9.1  284.2    5.5
 05 01 01   1 11  118.9  0.316  1.511  0.007 1020.  409.    -23.3  0.39   1.00   0.22    2.00  122.    9.1  285.9    5.5
 05 01 01   1 12  132.2  0.238  1.665  0.009 1227.  270.     -9.0  0.39   1.00   0.21    1.30  154.    9.1  287.0    5.5
 05 01 01   1 13   80.9  0.249  1.421  0.009 1245.  286.    -16.8  0.39   1.00   0.21    1.50  166.    9.1  287.0    5.5
 05 01 01   1 14   80.7  0.305  1.427  0.009 1263.  388.    -31.0  0.39   1.00   0.23    2.00  235.    9.1  287.5    5.5
 05 01 01   1 15   36.6  0.321  1.098  0.009 1270.  419.    -79.5  0.39   1.00   0.26    2.30  305.    9.1  286.4    5.5
 05 01 01   1 16    1.2  0.206  0.354  0.009 1271.  221.   -629.7  0.39   1.00   0.35    1.60  292.    9.1  285.9    5.5
 05 01 01   1 17  -11.9  0.181 -9.000 -9.000 -999.  178.     44.1  0.39   1.00   0.63    1.90  280.    9.1  285.4    5.5
 05 01 01   1 18  -17.1  0.313 -9.000 -9.000 -999.  404.    158.3  0.39   1.00   1.00    2.70  304.    9.1  284.2    5.5
 05 01 01   1 19   -8.7  0.159 -9.000 -9.000 -999.  161.     40.6  0.39   1.00   1.00    1.70  311.    9.1  283.8    5.5
 05 01 01   1 20   -3.8  0.070 -9.000 -9.000 -999.   48.      7.8  0.39   1.00   1.00    1.10   13.    9.1  283.1    5.5
 05 01 01   1 21   -4.7  0.076 -9.000 -9.000 -999.   48.      8.2  0.39   1.00   1.00    1.20    8.    9.1  282.0    5.5
 05 01 01   1 22   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80  183.    9.1  280.9    5.5
 05 01 01   1 23   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   16.    9.1  280.4    5.5
 05 01 01   1 24   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   62.    9.1  279.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 05 01 01 01    5.5 0 -999.  -99.00   279.3   99.0  -99.00  -99.00
 05 01 01 01    9.1 1  338.    1.60  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - PM10 Annual                                  ***        12/06/12
                                    *** Construction in 2013 (15 hr day)                                      ***        11:40:39
                                                                                                                          PAGE  28
 **MODELOPTS:  NonDFAULT CONC                                                    ELEV
                         FASTALL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     NMGCON2013   , MGCON2013   ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3                          **

    Y-COORD  |                                          X-COORD (METERS)
    (METERS) |     461553.03    462553.03    463553.03    464553.03    465553.03    466553.03    467553.03    468553.03    469553.03
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3767938.31 |       0.00400       0.00421       0.00443       0.00465       0.00488       0.00504       0.00522       0.00534       0.00545
  3766938.31 |       0.00396       0.00409       0.00429       0.00454       0.00478       0.00501       0.00527       0.00604       0.00574
  3765938.31 |       0.00380       0.00427       0.00420       0.00442       0.00469       0.00491       0.00534       0.00611       0.00597
  3764938.31 |       0.00361       0.00398       0.00419       0.00430       0.00452       0.00478       0.00512       0.00558       0.00597
  3763938.31 |       0.00345       0.00390       0.00382       0.00405       0.00428       0.00460       0.00495       0.00539       0.00590
  3762938.31 |       0.00336       0.00350       0.00366       0.00383       0.00409       0.00440       0.00476       0.00520       0.00573
  3761938.31 |       0.00336       0.00348       0.00362       0.00378       0.00399       0.00424       0.00456       0.00497       0.00549
  3760938.31 |       0.00337       0.00351       0.00366       0.00389       0.00405       0.00426       0.00452       0.00485       0.00530
  3759938.31 |       0.00338       0.00352       0.00385       0.00389       0.00412       0.00435       0.00460       0.00491       0.00529
  3758938.31 |       0.00341       0.00356       0.00375       0.00394       0.00415       0.00438       0.00467       0.00498       0.00535
```

3757938.31	0.00343	0.00359	0.00378	0.00403	0.00420	0.00440	0.00469	0.00504	0.00545
3756938.31	0.00334	0.00352	0.00371	0.00392	0.00418	0.00450	0.00479	0.00503	0.00548
3755938.31	0.00328	0.00345	0.00363	0.00384	0.00409	0.00447	0.00481	0.00527	0.00547
3754938.31	0.00328	0.00345	0.00365	0.00388	0.00413	0.00458	0.00493	0.00536	0.00585
3753938.31	0.00335	0.00352	0.00372	0.00394	0.00427	0.00466	0.00503	0.00558	0.00613
3752938.31	0.00340	0.00357	0.00379	0.00402	0.00433	0.00475	0.00520	0.00563	0.00605
3751938.31	0.00335	0.00349	0.00366	0.00389	0.00418	0.00450	0.00483	0.00518	0.00552
3750938.31	0.00317	0.00330	0.00347	0.00362	0.00376	0.00406	0.00443	0.00465	0.00492
3749938.31	0.00292	0.00302	0.00324	0.00348	0.00361	0.00373	0.00396	0.00420	0.00445
3748938.31	0.00281	0.00276	0.00294	0.00315	0.00333	0.00349	0.00370	0.00394	0.00409
3747938.31	0.00269	0.00281	0.00275	0.00287	0.00304	0.00338	0.00351	0.00327	0.00384
3746938.31	0.00255	0.00269	0.00274	0.00270	0.00286	0.00307	0.00326	0.00355	0.00392
3745938.31	0.00238	0.00251	0.00258	0.00264	0.00277	0.00305	0.00341	0.00387	0.00437
3744938.31	0.00227	0.00242	0.00255	0.00274	0.00302	0.00338	0.00348	0.00424	0.00468
3743938.31	0.00230	0.00249	0.00273	0.00301	0.00330	0.00361	0.00396	0.00428	0.00454
3742938.31	0.00253	0.00277	0.00306	0.00340	0.00366	0.00394	0.00404	0.00436	0.00387
3741938.31	0.00283	0.00275	0.00274	0.00282	0.00257	0.00303	0.00317	0.00289	0.00346

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): NMGCON2013 , MGCON2013 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	0.00553	0.00563	0.00583	0.00614	0.00663	0.00707	0.00718	0.00730	0.00767
3766938.31	0.00596	0.00620	0.00633	0.00648	0.00709	0.00777	0.00795	0.00808	0.00829
3765938.31	0.00632	0.00665	0.00740	0.00701	0.00753	0.00832	0.00912	0.00937	0.00952
3764938.31	0.00646	0.00699	0.00674	0.00819	0.00797	0.00878	0.00964	0.01008	0.01088
3763938.31	0.00649	0.00713	0.00816	0.00913	0.00883	0.00919	0.01014	0.01037	0.01023
3762938.31	0.00628	0.00704	0.00784	0.00870	0.01006	0.01044	0.01079	0.01168	0.01233
3761938.31	0.00647	0.00713	0.00776	0.00894	0.00896	0.00801	0.00926	0.01118	0.01333
3760938.31	0.00610	0.00709	0.00684	0.00739	0.00938	0.00956	0.00885	0.00974	0.01250
3759938.31	0.00576	0.00636	0.00590	0.00587	0.00863	0.01062	0.01194	0.01008	0.01385
3758938.31	0.00584	0.00652	0.00540	0.00550	0.00768	0.00997	0.01177	0.01346	0.01482
3757938.31	0.00610	0.00678	0.00782	0.00571	0.00628	0.00980	0.01189	0.01296	0.01479
3756938.31	0.00619	0.00706	0.00771	0.00871	0.00689	0.01011	0.01208	0.01369	0.01554
3755938.31	0.00639	0.00711	0.00759	0.00856	0.00965	0.01080	0.01219	0.01403	0.01645
3754938.31	0.00637	0.00694	0.00756	0.00837	0.00935	0.01059	0.01207	0.01395	0.01643
3753938.31	0.00656	0.00686	0.00758	0.00837	0.00929	0.01053	0.01200	0.01377	0.01614
3752938.31	0.00650	0.00697	0.00744	0.00804	0.00888	0.00985	0.01103	0.01243	0.01428
3751938.31	0.00596	0.00619	0.00676	0.00714	0.00768	0.00835	0.00918	0.01021	0.01160
3750938.31	0.00531	0.00531	0.00592	0.00617	0.00661	0.00713	0.00794	0.00901	0.01077
3749938.31	0.00474	0.00474	0.00529	0.00553	0.00602	0.00672	0.00774	0.00934	0.01145
3748938.31	0.00433	0.00461	0.00497	0.00547	0.00617	0.00716	0.00843	0.00989	0.01117
3747938.31	0.00418	0.00463	0.00524	0.00601	0.00677	0.00765	0.00847	0.00916	0.00972
3746938.31	0.00450	0.00504	0.00570	0.00616	0.00708	0.00735	0.00760	0.00794	0.00843
3745938.31	0.00454	0.00538	0.00585	0.00628	0.00656	0.00652	0.00669	0.00706	0.00771
3744938.31	0.00501	0.00529	0.00553	0.00568	0.00542	0.00581	0.00608	0.00653	0.00747
3743938.31	0.00479	0.00493	0.00497	0.00504	0.00522	0.00537	0.00569	0.00633	0.00768
3742938.31	0.00451	0.00452	0.00455	0.00467	0.00486	0.00509	0.00555	0.00643	0.00818
3741938.31	0.00313	0.00321	0.00365	0.00403	0.00420	0.00435	0.00568	0.00685	0.00873

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): NMGCON2013 , MGCON2013 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	0.00813	0.00858	0.00891	0.00935	0.01046	0.01215	0.01365	0.01437	0.01427
3766938.31	0.00866	0.00942	0.00982	0.01027	0.01142	0.01330	0.01511	0.01569	0.01502
3765938.31	0.00978	0.00992	0.01108	0.01152	0.01265	0.01483	0.01666	0.01726	0.01558
3764938.31	0.01086	0.01125	0.01164	0.01257	0.01397	0.01550	0.01766	0.01810	0.01603
3763938.31	0.01158	0.01258	0.01333	0.01397	0.01477	0.01776	0.01792	0.01802	0.01666
3762938.31	0.01156	0.01191	0.01507	0.01656	0.01743	0.01898	0.02318	0.02512	0.02204
3761938.31	0.01204	0.01190	0.01575	0.01673	0.02024	0.02191	0.02698	0.02846	0.02609
3760938.31	0.01381	0.01234	0.01340	0.01543	0.01838	0.02184	0.03149	0.03560	0.03503
3759938.31	0.01278	0.01388	0.01510	0.01653	0.01902	0.02321	0.03382	0.04292	0.04136
3758938.31	0.01355	0.01538	0.01804	0.01993	0.02222	0.02705	0.03231	0.03773	0.04169
3757938.31	0.01442	0.01636	0.01994	0.02643	0.02876	0.03765	0.03944	0.05136	0.05464
3756938.31	0.01709	0.01963	0.02210	0.02842	0.04754	0.05544	0.06593	0.08713	0.09046
3755938.31	0.01947	0.02321	0.02901	0.03981	0.05620	0.08697	0.13717	0.22400	0.20763
3754938.31	0.01980	0.02480	0.03177	0.04334	0.06354	0.10982	0.24724	5.40920	1.80363
3753938.31	0.01913	0.02372	0.03040	0.04101	0.06075	0.10386	0.25101	5.67663	4.56257
3752938.31	0.01635	0.01967	0.02431	0.03219	0.04721	0.07900	0.18704	0.63668	1.07097
3751938.31	0.01351	0.01648	0.02150	0.02977	0.04198	0.06725	0.16330	0.12648	0.30785
3750938.31	0.01327	0.01706	0.02138	0.02679	0.03633	0.06811	0.06812	0.06812	0.14368
3749938.31	0.01390	0.01613	0.01934	0.02437	0.03743	0.06278	0.06854	0.07696	0.09084
3748938.31	0.01232	0.01363	0.01703	0.01177	0.03784	0.05655	0.06009	0.05626	0.05986
3747938.31	0.01044	0.01200	0.00952	0.01624	0.03752	0.04534	0.04345	0.04156	0.04000
3746938.31	0.00939	0.01170	0.01697	0.02506	0.03339	0.03562	0.03393	0.03153	0.03294
3745938.31	0.00911	0.01204	0.01740	0.02477	0.02919	0.02887	0.02817	0.01743	0.02551
3744938.31	0.00941	0.01292	0.01789	0.02265	0.02492	0.02410	0.01374	0.02089	0.02121
3743938.31	0.01009	0.01370	0.01773	0.02054	0.02168	0.01170	0.01873	0.01719	0.01814
3742938.31	0.01079	0.01395	0.01693	0.01848	0.01815	0.01698	0.01570	0.01493	0.01569
3741938.31	0.01125	0.01393	0.01580	0.01634	0.01575	0.01468	0.01372	0.01313	0.01385

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): NMGCON2013 , MGCON2013 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	0.01312	0.01262	0.01173	0.01178	0.01098	0.00818	0.00969	0.00887	0.00822
3766938.31	0.01272	0.01258	0.01227	0.01297	0.01202	0.01133	0.01038	0.00937	0.00857
3765938.31	0.01334	0.01342	0.01541	0.01599	0.01421	0.01251	0.01080	0.00980	0.00936
3764938.31	0.01485	0.01621	0.01811	0.01762	0.01559	0.01278	0.01146	0.01072	0.01048
3763938.31	0.01692	0.01857	0.02183	0.01854	0.01623	0.01392	0.01248	0.01210	0.01123
3762938.31	0.02361	0.02606	0.02407	0.02062	0.01666	0.01493	0.01418	0.01316	0.01204
3761938.31	0.02277	0.02473	0.02337	0.02045	0.01823	0.01691	0.01576	0.01445	0.01443
3760938.31	0.03103	0.02862	0.02705	0.02271	0.02066	0.01977	0.01812	0.01790	0.01808
3759938.31	0.04850	0.04756	0.03592	0.02961	0.02542	0.02378	0.02312	0.02282	0.02072
3758938.31	0.04346	0.04139	0.04229	0.03441	0.03655	0.03258	0.03055	0.02597	0.02401
3757938.31	0.05729	0.05120	0.04561	0.04298	0.04130	0.04195	0.03424	0.03144	0.02894
3756938.31	0.08395	0.07516	0.06877	0.06303	0.05388	0.04909	0.04486	0.03782	0.03372
3755938.31	0.18755	0.13987	0.11546	0.09059	0.07554	0.06222	0.05348	0.04759	0.04098
3754938.31	1.03487	0.47555	0.24283	0.14818	0.10278	0.08650	0.06719	0.05394	0.04597
3753938.31	2.56038	1.04177	0.56482	0.26729	0.19892	0.12275	0.10815	0.07301	0.05328
3752938.31	0.84135	0.69274	0.52392	0.40057	0.28861	0.21391	0.15692	0.10383	0.06189
3751938.31	0.29964	0.33305	0.32170	0.29492	0.26166	0.22592	0.17880	0.12786	0.07461
3750938.31	0.14501	0.15576	0.17110	0.18104	0.18800	0.18689	0.16717	0.14327	0.08539
3749938.31	0.09176	0.09445	0.09906	0.10893	0.12151	0.13007	0.13044	0.09314	0.08876
3748938.31	0.06598	0.06737	0.06788	0.07094	0.07822	0.08595	0.09102	0.09580	0.06476
3747938.31	0.04787	0.05184	0.05180	0.05218	0.05435	0.05909	0.06486	0.06982	0.07676
3746938.31	0.03612	0.04361	0.04179	0.04111	0.04150	0.04397	0.04725	0.05156	0.05592
3745938.31	0.02840	0.03321	0.03486	0.03408	0.03386	0.03444	0.03617	0.03883	0.04253
3744938.31	0.02329	0.02721	0.02945	0.02911	0.02846	0.02854	0.02927	0.03066	0.03284
3743938.31	0.01979	0.02262	0.02521	0.02559	0.02543	0.02505	0.02461	0.02533	0.02652
3742938.31	0.01715	0.01932	0.02196	0.02322	0.02204	0.01247	0.01544	0.02178	0.02246
3741938.31	0.01503	0.01669	0.01913	0.01995	0.01601	0.01156	0.01131	0.02002	0.01952

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): NMGCON2013 , MGCON2013 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	0.00759	0.00662	0.00645	0.00546	0.00428	0.00363	0.00288	0.00239	0.00175
3766938.31	0.00831	0.00732	0.00618	0.00561	0.00452	0.00219	0.00226	0.00232	0.00240
3765938.31	0.00919	0.00738	0.00522	0.00575	0.00523	0.00307	0.00276	0.00277	0.00334
3764938.31	0.00968	0.00800	0.00766	0.00789	0.00661	0.00507	0.00476	0.00446	0.00353
3763938.31	0.01027	0.01017	0.01045	0.00976	0.00904	0.00733	0.00633	0.00624	0.00506
3762938.31	0.01196	0.01230	0.01145	0.01063	0.00945	0.00828	0.00757	0.00719	0.00673
3761938.31	0.01482	0.01449	0.01237	0.00915	0.00995	0.00910	0.00947	0.00930	0.00822
3760938.31	0.01716	0.01538	0.01313	0.01236	0.01190	0.01182	0.01109	0.01038	0.00944
3759938.31	0.01841	0.01729	0.01656	0.01592	0.01502	0.01411	0.01339	0.01160	0.01079
3758938.31	0.02232	0.02082	0.01918	0.01786	0.01672	0.01565	0.01468	0.01381	0.01204
3757938.31	0.02605	0.02371	0.02181	0.02016	0.01882	0.01762	0.01659	0.01559	0.01461
3756938.31	0.03062	0.02773	0.02529	0.02315	0.02117	0.01931	0.01767	0.01623	0.01504
3755938.31	0.03576	0.03138	0.02781	0.02483	0.02249	0.02055	0.01888	0.01748	0.01629
3754938.31	0.03960	0.03463	0.03054	0.02740	0.02464	0.02241	0.02049	0.01890	0.01752
3753938.31	0.04523	0.03923	0.03435	0.03033	0.02705	0.02436	0.02217	0.02033	0.01878
3752938.31	0.05327	0.04481	0.03884	0.03392	0.03038	0.02728	0.02488	0.02285	0.02105
3751938.31	0.06090	0.05130	0.04254	0.03715	0.03335	0.02968	0.02677	0.02473	0.02275
3750938.31	0.07650	0.06244	0.04881	0.04259	0.03725	0.03278	0.02914	0.02652	0.02376
3749938.31	0.10350	0.07954	0.05459	0.04700	0.04224	0.03679	0.03302	0.02972	0.02680
3748938.31	0.07902	0.08129	0.06012	0.04815	0.04324	0.04032	0.03623	0.03470	0.03040
3747938.31	0.06103	0.07474	0.05532	0.05172	0.04366	0.03768	0.03834	0.03628	0.03600
3746938.31	0.05944	0.06228	0.04252	0.04132	0.04510	0.04009	0.04167	0.04099	0.03670
3745938.31	0.04584	0.04882	0.04909	0.04795	0.04634	0.04818	0.04201	0.03201	0.02894
3744938.31	0.03560	0.03805	0.04028	0.04269	0.02571	0.02751	0.02832	0.02470	0.02539
3743938.31	0.02832	0.03046	0.03250	0.03445	0.03770	0.02158	0.02069	0.02181	0.02076
3742938.31	0.02336	0.02489	0.02662	0.02852	0.03028	0.02792	0.01878	0.01764	0.01706
3741938.31	0.02003	0.02093	0.02216	0.02375	0.02534	0.02682	0.02816	0.01942	0.01576

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): NMGCON2013 , MGCON2013 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	0.11276	0.12089	0.12976	0.14017	0.15149	0.16456	0.17913	0.19554	0.21524
3754534.43	0.11218	0.12037	0.12896	0.13926	0.15107	0.16476	0.17951	0.19701	0.21684

3754434.43	0.11120	0.11909	0.12796	0.13800	0.15021	0.16329	0.17876	0.19649	0.21683
3754334.43	0.10978	0.11759	0.12664	0.13688	0.14821	0.16123	0.17612	0.19531	0.21598
3754234.43	0.10828	0.11622	0.12487	0.13482	0.14623	0.15965	0.17392	0.19223	0.21332
3754134.43	0.10712	0.11419	0.12290	0.13263	0.14353	0.15591	0.17174	0.19087	0.20934
3754034.43	0.10561	0.11207	0.12062	0.13005	0.14105	0.15392	0.16663	0.18781	0.20532
3753934.43	0.10374	0.11027	0.11887	0.12827	0.13937	0.15052	0.16380	0.18254	0.20219
3753834.43	0.10100	0.10812	0.11570	0.12594	0.13537	0.14744	0.16166	0.17686	0.19258
3753734.43	0.09858	0.10562	0.11309	0.12209	0.13162	0.14197	0.15812	0.17173	0.18895
3753634.43	0.09604	0.10355	0.10905	0.11832	0.12795	0.13877	0.15144	0.16625	0.18328
3753534.43	0.09331	0.09922	0.10654	0.11606	0.12512	0.13457	0.14638	0.15915	0.17690
3753434.43	0.09022	0.09689	0.10423	0.11194	0.12127	0.13104	0.14168	0.15417	0.17092
3753334.43	0.08845	0.09446	0.10058	0.10809	0.11652	0.12677	0.13701	0.14946	0.16601
3753234.43	0.08602	0.09141	0.09791	0.10542	0.11300	0.12182	0.13327	0.14553	0.16182
3753134.43	0.08455	0.08975	0.09513	0.10143	0.11027	0.11940	0.13115	0.14165	0.15584
3753034.43	0.08197	0.08693	0.09333	0.09958	0.10776	0.11633	0.12740	0.13865	0.15333
3752934.43	0.07892	0.08413	0.09073	0.09662	0.10506	0.11352	0.12411	0.13645	0.14985
3752834.43	0.07821	0.08305	0.08912	0.09561	0.10309	0.11147	0.12181	0.13515	0.14693
3752734.43	0.07675	0.08218	0.08715	0.09363	0.10097	0.11058	0.11902	0.13135	0.14409
3752634.43	0.07619	0.08042	0.08682	0.09289	0.09950	0.11030	0.11963	0.12962	0.14105
3752534.43	0.07466	0.07922	0.08359	0.09116	0.09758	0.10587	0.11592	0.12560	0.13844
3752434.43	0.07310	0.07883	0.08373	0.08990	0.09620	0.10265	0.11391	0.12265	0.13658
3752334.43	0.07186	0.07704	0.08211	0.08751	0.09460	0.10195	0.11156	0.12152	0.13450
3752234.43	0.07031	0.07498	0.08114	0.08623	0.09265	0.09831	0.10988	0.11920	0.13236
3752134.43	0.06918	0.07428	0.07938	0.08527	0.09212	0.09930	0.10833	0.12023	0.13409
3752034.43	0.06910	0.07372	0.07755	0.08372	0.09139	0.09791	0.10769	0.11920	0.13302
3751934.43	0.06716	0.07183	0.07732	0.08291	0.08970	0.09816	0.10845	0.11893	0.13245
3751834.43	0.06631	0.07131	0.07675	0.08339	0.08934	0.09841	0.10868	0.12064	0.13367
3751734.43	0.06681	0.07160	0.07830	0.08455	0.09079	0.09897	0.10881	0.11987	0.13305
3751634.43	0.06701	0.07273	0.07812	0.08453	0.09198	0.09901	0.10935	0.12112	0.13233
3751534.43	0.06707	0.07250	0.07944	0.08578	0.09340	0.10073	0.11083	0.12150	0.11582
3751434.43	0.06743	0.07344	0.07982	0.08661	0.09383	0.10235	0.10972	0.10358	0.07964
3751334.43	0.06783	0.07342	0.07976	0.08671	0.09365	0.10136	0.10124	0.07591	0.07142
3751234.43	0.06819	0.07394	0.08007	0.08667	0.09337	0.09808	0.08914	0.06952	0.06937
3751134.43	0.06877	0.07396	0.07982	0.08452	0.09005	0.09091	0.08598	0.06971	0.06923
3751034.43	0.06877	0.07415	0.07842	0.07289	0.08458	0.08243	0.07086	0.06482	0.06646
3750934.43	0.06791	0.07345	0.06889	0.06713	0.07165	0.07043	0.06243	0.06201	0.06426

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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): NMGCON2013 , MGCON2013 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	0.23820
3754534.43	0.23863
3754434.43	0.24162
3754334.43	0.24176
3754234.43	0.23897
3754134.43	0.23591
3754034.43	0.22920
3753934.43	0.22514
3753834.43	0.21697
3753734.43	0.21063
3753634.43	0.20328
3753534.43	0.19847
3753434.43	0.19039
3753334.43	0.18474
3753234.43	0.17964
3753134.43	0.17447
3753034.43	0.17141
3752934.43	0.16512
3752834.43	0.16371
3752734.43	0.15977
3752634.43	0.15697
3752534.43	0.15348
3752434.43	0.15139
3752334.43	0.14827
3752234.43	0.14904
3752134.43	0.14784
3752034.43	0.14907
3751934.43	0.14728
3751834.43	0.14744
3751734.43	0.14545
3751634.43	0.13920
3751534.43	0.08970
3751434.43	0.07705
3751334.43	0.07405
3751234.43	0.07242
3751134.43	0.07078
3751034.43	0.06863
3750934.43	0.06637

*** AERMOD - VERSION 12060 *** *** World Logistics Center - PM10 Annual *** 12/06/12
*** Construction in 2013 (15 hr day) *** 11:40:39
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): NMGCON2013 , MGCON2013 ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47

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 3753434.90 |       0.21397      0.24166      0.27837      0.32538
 3753334.90 |       0.20695      0.23486      0.27064      0.31760
 3753234.90 |       0.20045      0.23037      0.26072      0.30411
 3753134.90 |       0.19377      0.22042      0.25205      0.29056
 3753034.90 |       0.19079      0.21726      0.24494      0.28295
 3752934.90 |       0.18624      0.21025      0.23638      0.27184
 3752834.90 |       0.18370      0.20472      0.23249      0.26343
 3752734.90 |       0.18013      0.20003      0.22469      0.25188
 3752634.90 |       0.17438      0.19468      0.21773      0.24244
 3752534.90 |       0.17071      0.18814      0.20884      0.23333
 3752434.90 |       0.16695      0.18406      0.20577      0.23120
 3752334.90 |       0.16585      0.18386      0.20401      0.22987
 3752234.90 |       0.16476      0.18270      0.19959      0.22368
 3752134.90 |       0.16399      0.18092      0.19742      0.21487
 3752034.90 |       0.16483      0.17880      0.19419      0.21160
 3751934.90 |       0.16273      0.17526      0.18963      0.20732
 3751834.90 |       0.15950      0.17202      0.18732      0.17287
 3751734.90 |       0.15903      0.17055      0.16022      0.11131
 3751634.90 |       0.14081      0.12943      0.11286      0.10229
 3751534.90 |       0.09319      0.09335      0.09422      0.09712
 3751434.90 |       0.08090      0.08477      0.08786      0.09153
 3751334.90 |       0.07788      0.08117      0.08389      0.08663
 3751234.90 |       0.07552      0.07798      0.08031      0.08221
 3751134.90 |       0.07305      0.07504      0.07693      0.07823
 3751034.90 |       0.07051      0.07211      0.07366      0.07459
 3750934.90 |       0.06798      0.06930      0.07048      0.07109
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - PM10 Annual                                  ***        12/06/12
                                    *** Construction in 2013 (15 hr day)                                      ***        11:40:39
                                                                                                                         PAGE  36
 **MODELOPTS:  NonDEFAULT CONC                                                  ELEV
                          FASTALL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     NMGCON2013  , MGCON2013   ,

                                              *** DISCRETE CARTESIAN RECEPTOR PionTS ***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3                          **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)   Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         485619.40    3753969.72        0.27830                     485712.99    3753961.92        0.31992
         487190.85    3754410.34        6.91765                     487194.75    3754289.46        6.92114
         487268.83    3754090.60        6.35764                     487483.30    3754102.29        5.79273
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - PM10 Annual                                  ***        12/06/12
                                    *** Construction in 2013 (15 hr day)                                      ***        11:40:39
                                                                                                                         PAGE  37
 **MODELOPTS:  NonDEFAULT CONC                                                  ELEV
                          FASTALL

                                    *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER   3 YEARS ***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3                          **

                                                                                                                NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS       6.92114 AT (  487194.75,  3754289.46,   507.16,   777.00,    0.00)  DC
          2ND HIGHEST VALUE IS       6.91765 AT (  487190.85,  3754410.34,   509.37,   776.00,    0.00)  DC
          3RD HIGHEST VALUE IS       6.35764 AT (  487268.83,  3754090.60,   503.10,   777.00,    0.00)  DC
          4TH HIGHEST VALUE IS       5.79273 AT (  487483.30,  3754102.29,   501.97,   777.00,    0.00)  DC
          5TH HIGHEST VALUE IS       5.67663 AT (  486553.03,  3753938.31,   503.00,   811.00,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS       5.40920 AT (  486553.03,  3754938.31,   525.60,   525.60,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS       4.56257 AT (  487553.03,  3753938.31,   496.40,   777.00,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS       2.56038 AT (  488553.03,  3753938.31,   497.80,   777.00,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS       1.80363 AT (  487553.03,  3754938.31,   526.30,   528.00,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       1.07097 AT (  487553.03,  3752938.31,   479.60,   811.00,    0.00)  GC  UCART1


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - PM10 Annual                                  ***        12/06/12
                                    *** Construction in 2013 (15 hr day)                                      ***        11:40:39
                                                                                                                         PAGE  38
 **MODELOPTS:  NonDEFAULT CONC                                                  ELEV
                          FASTALL

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of           0 Fatal Error Message(s)
 A Total of           1 Warning Message(s)
 A Total of         117 Informational Message(s)

 A Total of       26280 Hours Were Processed

 A Total of           0 Calm Hours Identified

 A Total of         117 Missing Hours Identified (  0.45 Percent)


    ******** FATAL ERROR MESSAGES ********
                ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W530     111 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

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*** AERMOD Finishes Successfully ***
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WLC LST Construction Assessment - PM2.5 (24-hour average)

Year: 2013 (Unmitigated Emissions - 15 hour day)

Unit Emission Rate	1.00E-07	g/sec-m2
Actual Emissions (Mass Grading):	2.56E-06	g/sec-m2
Actual Emissions (Non Mass Grading):	3.65E-06	g/sec-m2

X(m)	Y(m)	Mass Grading 24hr Ave w/Unit Emissions (ug/m3)	Mass Grading 24hr Ave w/Actual Emissions (ug/m3)	Non Mass Grading 24hr Ave w/Unit Emissions (ug/m3)	Non Mass Grading 24hr Ave w/Actual Emissions (ug/m3)	Total 240hr Ave w/Actual Emissions (ug/m3)
461553	3741938	0.00312	0.08	0.00152	0.06	0.1353
462553	3741938	0.00384	0.10	0.00192	0.07	0.1683
463553	3741938	0.00518	0.13	0.0022	0.08	0.2127
464553	3741938	0.00548	0.14	0.00207	0.08	0.2157
465553	3741938	0.00367	0.09	0.00152	0.06	0.1493
466553	3741938	0.00435	0.11	0.00178	0.06	0.1762
467553	3741938	0.00379	0.10	0.00155	0.06	0.1535
468553	3741938	0.00346	0.09	0.00162	0.06	0.1476
469553	3741938	0.0044	0.11	0.00189	0.07	0.1815
470553	3741938	0.00449	0.11	0.00184	0.07	0.1820
471553	3741938	0.00426	0.11	0.0024	0.09	0.1965
472553	3741938	0.00821	0.21	0.00377	0.14	0.3475
473553	3741938	0.00743	0.19	0.00201	0.07	0.2634
474553	3741938	0.00462	0.12	0.0021	0.08	0.1948
475553	3741938	0.00593	0.15	0.00241	0.09	0.2396
476553	3741938	0.00443	0.11	0.00276	0.10	0.2140
477553	3741938	0.00968	0.25	0.00467	0.17	0.4180
478553	3741938	0.01113	0.28	0.00404	0.15	0.4321
479553	3741938	0.00846	0.22	0.00339	0.12	0.3401
480553	3741938	0.00877	0.22	0.00348	0.13	0.3513
481553	3741938	0.00734	0.19	0.00293	0.11	0.2946
482553	3741938	0.00936	0.24	0.00402	0.15	0.3861
483553	3741938	0.0078	0.20	0.00316	0.12	0.3148
484553	3741938	0.00847	0.22	0.00339	0.12	0.3403
485553	3741938	0.01077	0.28	0.00431	0.16	0.4327
486553	3741938	0.01062	0.27	0.00429	0.16	0.4281
487553	3741938	0.00682	0.17	0.00275	0.10	0.2748
488553	3741938	0.00842	0.22	0.00337	0.12	0.3383
489553	3741938	0.00718	0.18	0.00276	0.10	0.2843
490553	3741938	0.01035	0.26	0.00387	0.14	0.4059
491553	3741938	0.01309	0.33	0.00551	0.20	0.5358
492553	3741938	0.00764	0.20	0.00337	0.12	0.3184
493553	3741938	0.00647	0.17	0.00269	0.10	0.2636
494553	3741938	0.00801	0.20	0.00391	0.14	0.3475
495553	3741938	0.0118	0.30	0.0038	0.14	0.4404
496553	3741938	0.00728	0.19	0.00358	0.13	0.3168
497553	3741938	0.00766	0.20	0.00281	0.10	0.2984
498553	3741938	0.00795	0.20	0.0033	0.12	0.3237
499553	3741938	0.00691	0.18	0.00306	0.11	0.2884
500553	3741938	0.00707	0.18	0.00298	0.11	0.2895
501553	3741938	0.00584	0.15	0.00276	0.10	0.2501
502553	3741938	0.00592	0.15	0.00248	0.09	0.2419
503553	3741938	0.00582	0.15	0.00234	0.09	0.2342
504553	3741938	0.00616	0.16	0.00224	0.08	0.2393
505553	3741938	0.00482	0.12	0.00217	0.08	0.2024
461553	3742938	0.00269	0.07	0.00118	0.04	0.1119
462553	3742938	0.00285	0.07	0.00134	0.05	0.1218
463553	3742938	0.00328	0.08	0.00162	0.06	0.1430
464553	3742938	0.00387	0.10	0.0019	0.07	0.1683
465553	3742938	0.00475	0.12	0.00207	0.08	0.1970
466553	3742938	0.00571	0.15	0.00215	0.08	0.2245
467553	3742938	0.00514	0.13	0.002	0.07	0.2044
468553	3742938	0.00543	0.14	0.00177	0.06	0.2035
469553	3742938	0.00442	0.11	0.00183	0.07	0.1798
470553	3742938	0.00474	0.12	0.00196	0.07	0.1927
471553	3742938	0.00547	0.14	0.00177	0.06	0.2045
472553	3742938	0.00449	0.11	0.00223	0.08	0.1962
473553	3742938	0.00722	0.18	0.00316	0.12	0.2999

474553	3742938	0.00808	0.21	0.0022	0.08	0.2869
475553	3742938	0.00448	0.11	0.00172	0.06	0.1773
476553	3742938	0.00443	0.11	0.00178	0.06	0.1782
477553	3742938	0.00573	0.15	0.00345	0.13	0.2724
478553	3742938	0.01167	0.30	0.00525	0.19	0.4900
479553	3742938	0.01102	0.28	0.0037	0.13	0.4168
480553	3742938	0.00931	0.24	0.00387	0.14	0.3793
481553	3742938	0.00947	0.24	0.00351	0.13	0.3703
482553	3742938	0.00823	0.21	0.00384	0.14	0.3506
483553	3742938	0.00992	0.25	0.00365	0.13	0.3869
484553	3742938	0.00953	0.24	0.00383	0.14	0.3835
485553	3742938	0.01207	0.31	0.00482	0.18	0.4846
486553	3742938	0.01178	0.30	0.00472	0.17	0.4735
487553	3742938	0.00767	0.20	0.00302	0.11	0.3064
488553	3742938	0.00932	0.24	0.00375	0.14	0.3752
489553	3742938	0.00876	0.22	0.00337	0.12	0.3470
490553	3742938	0.01295	0.33	0.00488	0.18	0.5093
491553	3742938	0.01209	0.31	0.00522	0.19	0.4997
492553	3742938	0.00957	0.24	0.00464	0.17	0.4140
493553	3742938	0.00906	0.23	0.00324	0.12	0.3499
494553	3742938	0.0094	0.24	0.00484	0.18	0.4170
495553	3742938	0.00868	0.22	0.0041	0.15	0.3716
496553	3742938	0.00842	0.22	0.00304	0.11	0.3263
497553	3742938	0.00867	0.22	0.0036	0.13	0.3531
498553	3742938	0.00764	0.20	0.00329	0.12	0.3154
499553	3742938	0.00734	0.19	0.00321	0.12	0.3048
500553	3742938	0.00637	0.16	0.00285	0.10	0.2669
501553	3742938	0.00597	0.15	0.00268	0.10	0.2505
502553	3742938	0.0071	0.18	0.00365	0.13	0.3148
503553	3742938	0.00623	0.16	0.00208	0.08	0.2352
504553	3742938	0.00431	0.11	0.00232	0.08	0.1949
505553	3742938	0.00393	0.10	0.00158	0.06	0.1582
461553	3743938	0.00251	0.06	0.00111	0.04	0.1047
462553	3743938	0.00271	0.07	0.00117	0.04	0.1120
463553	3743938	0.00289	0.07	0.00122	0.04	0.1184
464553	3743938	0.00305	0.08	0.00143	0.05	0.1302
465553	3743938	0.00344	0.09	0.00172	0.06	0.1507
466553	3743938	0.00421	0.11	0.00199	0.07	0.1803
467553	3743938	0.00498	0.13	0.00221	0.08	0.2080
468553	3743938	0.0055	0.14	0.00226	0.08	0.2231
469553	3743938	0.00563	0.14	0.00214	0.08	0.2221
470553	3743938	0.00532	0.14	0.00195	0.07	0.2072
471553	3743938	0.00438	0.11	0.00213	0.08	0.1897
472553	3743938	0.00509	0.13	0.00206	0.08	0.2053
473553	3743938	0.00494	0.13	0.00211	0.08	0.2033
474553	3743938	0.00686	0.18	0.00319	0.12	0.2918
475553	3743938	0.00685	0.18	0.00251	0.09	0.2668
476553	3743938	0.00509	0.13	0.00193	0.07	0.2006
477553	3743938	0.00503	0.13	0.00198	0.07	0.2009
478553	3743938	0.00775	0.20	0.00442	0.16	0.3595
479553	3743938	0.01384	0.35	0.00553	0.20	0.5557
480553	3743938	0.01063	0.27	0.0043	0.16	0.4288
481553	3743938	0.01137	0.29	0.00442	0.16	0.4521
482553	3743938	0.00946	0.24	0.00372	0.14	0.3777
483553	3743938	0.01761	0.45	0.00584	0.21	0.6635
484553	3743938	0.00858	0.22	0.00355	0.13	0.3490
485553	3743938	0.01378	0.35	0.00552	0.20	0.5538
486553	3743938	0.01326	0.34	0.00527	0.19	0.5314
487553	3743938	0.0093	0.24	0.00356	0.13	0.3677
488553	3743938	0.0101	0.26	0.00409	0.15	0.4075
489553	3743938	0.01149	0.29	0.00415	0.15	0.4453
490553	3743938	0.01535	0.39	0.00598	0.22	0.6108
491553	3743938	0.01219	0.31	0.00512	0.19	0.4986
492553	3743938	0.01091	0.28	0.00348	0.13	0.4060
493553	3743938	0.01233	0.32	0.00513	0.19	0.5025
494553	3743938	0.01041	0.27	0.00455	0.17	0.4322
495553	3743938	0.00932	0.24	0.00329	0.12	0.3584
496553	3743938	0.00962	0.25	0.00399	0.15	0.3916
497553	3743938	0.00853	0.22	0.00358	0.13	0.3488
498553	3743938	0.00774	0.20	0.00348	0.13	0.3249
499553	3743938	0.00694	0.18	0.00289	0.11	0.2829

500553	3743938	0.00682	0.17	0.00281	0.10	0.2770
501553	3743938	0.0111	0.28	0.00319	0.12	0.4003
502553	3743938	0.00604	0.15	0.00286	0.10	0.2588
503553	3743938	0.00492	0.13	0.00219	0.08	0.2057
504553	3743938	0.00577	0.15	0.00211	0.08	0.2246
505553	3743938	0.00565	0.14	0.00214	0.08	0.2226
461553	3744938	0.00237	0.06	0.001	0.04	0.0971
462553	3744938	0.00239	0.06	0.00113	0.04	0.1024
463553	3744938	0.00267	0.07	0.00121	0.04	0.1124
464553	3744938	0.00293	0.07	0.00129	0.05	0.1220
465553	3744938	0.00319	0.08	0.00136	0.05	0.1312
466553	3744938	0.00344	0.09	0.00157	0.06	0.1453
467553	3744938	0.00451	0.12	0.00218	0.08	0.1949
468553	3744938	0.00504	0.13	0.00232	0.08	0.2135
469553	3744938	0.00698	0.18	0.00287	0.10	0.2832
470553	3744938	0.00753	0.19	0.00256	0.09	0.2860
471553	3744938	0.007	0.18	0.00234	0.09	0.2644
472553	3744938	0.00612	0.16	0.00233	0.08	0.2415
473553	3744938	0.00592	0.15	0.00227	0.08	0.2342
474553	3744938	0.00701	0.18	0.00228	0.08	0.2625
475553	3744938	0.00586	0.15	0.00301	0.11	0.2597
476553	3744938	0.0076	0.19	0.00288	0.11	0.2995
477553	3744938	0.00597	0.15	0.00219	0.08	0.2326
478553	3744938	0.00581	0.15	0.00226	0.08	0.2311
479553	3744938	0.01062	0.27	0.00565	0.21	0.4777
480553	3744938	0.01581	0.40	0.00555	0.20	0.6069
481553	3744938	0.01256	0.32	0.00504	0.18	0.5051
482553	3744938	0.01274	0.33	0.00458	0.17	0.4929
483553	3744938	0.01304	0.33	0.00557	0.20	0.5367
484553	3744938	0.01196	0.31	0.00484	0.18	0.4825
485553	3744938	0.01121	0.29	0.00475	0.17	0.4600
486553	3744938	0.01548	0.40	0.00611	0.22	0.6188
487553	3744938	0.0113	0.29	0.0043	0.16	0.4459
488553	3744938	0.01052	0.27	0.00434	0.16	0.4274
489553	3744938	0.01567	0.40	0.0056	0.20	0.6051
490553	3744938	0.01644	0.42	0.00683	0.25	0.6697
491553	3744938	0.01053	0.27	0.005	0.18	0.4517
492553	3744938	0.01451	0.37	0.00547	0.20	0.5707
493553	3744938	0.01254	0.32	0.00505	0.18	0.5050
494553	3744938	0.01058	0.27	0.00393	0.14	0.4140
495553	3744938	0.01088	0.28	0.00445	0.16	0.4406
496553	3744938	0.00962	0.25	0.00395	0.14	0.3902
497553	3744938	0.00813	0.21	0.00383	0.14	0.3477
498553	3744938	0.00742	0.19	0.00316	0.12	0.3051
499553	3744938	0.00878	0.22	0.00288	0.11	0.3296
500553	3744938	0.00987	0.25	0.00374	0.14	0.3889
501553	3744938	0.00589	0.15	0.00309	0.11	0.2634
502553	3744938	0.00799	0.20	0.0028	0.10	0.3065
503553	3744938	0.00888	0.23	0.00339	0.12	0.3508
504553	3744938	0.00503	0.13	0.00285	0.10	0.2326
505553	3744938	0.00636	0.16	0.00215	0.08	0.2411
461553	3745938	0.003	0.08	0.00104	0.04	0.1147
462553	3745938	0.00288	0.07	0.00109	0.04	0.1134
463553	3745938	0.00267	0.07	0.00105	0.04	0.1066
464553	3745938	0.0026	0.07	0.00116	0.04	0.1088
465553	3745938	0.00269	0.07	0.00127	0.05	0.1151
466553	3745938	0.00313	0.08	0.00142	0.05	0.1319
467553	3745938	0.00355	0.09	0.00153	0.06	0.1466
468553	3745938	0.00348	0.09	0.00174	0.06	0.1525
469553	3745938	0.00453	0.12	0.00227	0.08	0.1987
470553	3745938	0.00577	0.15	0.00344	0.13	0.2731
471553	3745938	0.0079	0.20	0.0032	0.12	0.3188
472553	3745938	0.00892	0.23	0.00287	0.10	0.3329
473553	3745938	0.00867	0.22	0.00262	0.10	0.3173
474553	3745938	0.0063	0.16	0.00297	0.11	0.2695
475553	3745938	0.00693	0.18	0.00256	0.09	0.2706
476553	3745938	0.0062	0.16	0.00321	0.12	0.2757
477553	3745938	0.00856	0.22	0.00332	0.12	0.3401
478553	3745938	0.0072	0.18	0.00254	0.09	0.2768
479553	3745938	0.00687	0.18	0.00325	0.12	0.2943
480553	3745938	0.01473	0.38	0.00712	0.26	0.6365

481553	3745938	0.01679	0.43	0.00573	0.21	0.6385
482553	3745938	0.01608	0.41	0.00621	0.23	0.6378
483553	3745938	0.01337	0.34	0.00534	0.19	0.5368
484553	3745938	0.01462	0.37	0.00537	0.20	0.5698
485553	3745938	0.01952	0.50	0.00895	0.33	0.8258
486553	3745938	0.01931	0.49	0.00826	0.30	0.7952
487553	3745938	0.01385	0.35	0.00525	0.19	0.5458
488553	3745938	0.01246	0.32	0.00444	0.16	0.4807
489553	3745938	0.02081	0.53	0.0076	0.28	0.8095
490553	3745938	0.01666	0.43	0.0069	0.25	0.6778
491553	3745938	0.01624	0.42	0.0053	0.19	0.6087
492553	3745938	0.01493	0.38	0.0064	0.23	0.6154
493553	3745938	0.01224	0.31	0.00499	0.18	0.4951
494553	3745938	0.01262	0.32	0.00514	0.19	0.5103
495553	3745938	0.011	0.28	0.00439	0.16	0.4415
496553	3745938	0.00881	0.23	0.00428	0.16	0.3815
497553	3745938	0.00879	0.22	0.00363	0.13	0.3573
498553	3745938	0.01107	0.28	0.00378	0.14	0.4210
499553	3745938	0.01416	0.36	0.00651	0.24	0.5997
500553	3745938	0.01191	0.30	0.0052	0.19	0.4943
501553	3745938	0.01301	0.33	0.00493	0.18	0.5126
502553	3745938	0.00976	0.25	0.00588	0.21	0.4641
503553	3745938	0.01062	0.27	0.00386	0.14	0.4125
504553	3745938	0.00638	0.16	0.00348	0.13	0.2901
505553	3745938	0.00509	0.13	0.00271	0.10	0.2291
461553	3746938	0.00299	0.08	0.00135	0.05	0.1257
462553	3746938	0.00337	0.09	0.0014	0.05	0.1373
463553	3746938	0.00347	0.09	0.00132	0.05	0.1369
464553	3746938	0.00328	0.08	0.00114	0.04	0.1255
465553	3746938	0.00318	0.08	0.00118	0.04	0.1244
466553	3746938	0.003	0.08	0.00122	0.04	0.1212
467553	3746938	0.00301	0.08	0.00142	0.05	0.1288
468553	3746938	0.00342	0.09	0.00161	0.06	0.1462
469553	3746938	0.00395	0.10	0.00176	0.06	0.1652
470553	3746938	0.00427	0.11	0.00204	0.07	0.1836
471553	3746938	0.00496	0.13	0.00263	0.10	0.2228
472553	3746938	0.00672	0.17	0.00333	0.12	0.2934
473553	3746938	0.01003	0.26	0.00437	0.16	0.4160
474553	3746938	0.01112	0.28	0.00378	0.14	0.4223
475553	3746938	0.00817	0.21	0.00313	0.11	0.3232
476553	3746938	0.00817	0.21	0.00318	0.12	0.3250
477553	3746938	0.00802	0.21	0.00337	0.12	0.3281
478553	3746938	0.00968	0.25	0.00397	0.14	0.3924
479553	3746938	0.00895	0.23	0.00304	0.11	0.3398
480553	3746938	0.00844	0.22	0.00488	0.18	0.3939
481553	3746938	0.02074	0.53	0.00882	0.32	0.8522
482553	3746938	0.01833	0.47	0.00717	0.26	0.7304
483553	3746938	0.01871	0.48	0.00648	0.24	0.7150
484553	3746938	0.01934	0.49	0.007	0.26	0.7500
485553	3746938	0.01859	0.48	0.00764	0.28	0.7542
486553	3746938	0.02917	0.75	0.01141	0.42	1.1623
487553	3746938	0.0181	0.46	0.00674	0.25	0.7088
488553	3746938	0.01904	0.49	0.00634	0.23	0.7183
489553	3746938	0.02565	0.66	0.01013	0.37	1.0256
490553	3746938	0.01573	0.40	0.00677	0.25	0.6493
491553	3746938	0.01936	0.50	0.00787	0.29	0.7823
492553	3746938	0.01448	0.37	0.0064	0.23	0.6038
493553	3746938	0.01512	0.39	0.0061	0.22	0.6093
494553	3746938	0.01285	0.33	0.00505	0.18	0.5129
495553	3746938	0.01026	0.26	0.00462	0.17	0.4310
496553	3746938	0.01211	0.31	0.00397	0.14	0.4546
497553	3746938	0.01324	0.34	0.005	0.18	0.5211
498553	3746938	0.015	0.38	0.00663	0.24	0.6255
499553	3746938	0.01246	0.32	0.00501	0.18	0.5015
500553	3746938	0.00848	0.22	0.00545	0.20	0.4157
501553	3746938	0.01015	0.26	0.0041	0.15	0.4092
502553	3746938	0.00756	0.19	0.00436	0.16	0.3524
503553	3746938	0.00662	0.17	0.00349	0.13	0.2966
504553	3746938	0.00835	0.21	0.00287	0.10	0.3183
505553	3746938	0.0078	0.20	0.00303	0.11	0.3100
461553	3747938	0.00192	0.05	0.00106	0.04	0.0878

462553	3747938	0.00224	0.06	0.00124	0.05	0.1025
463553	3747938	0.00253	0.06	0.00131	0.05	0.1125
464553	3747938	0.00297	0.08	0.00142	0.05	0.1278
465553	3747938	0.00345	0.09	0.00151	0.06	0.1433
466553	3747938	0.00453	0.12	0.00155	0.06	0.1724
467553	3747938	0.00471	0.12	0.00157	0.06	0.1777
468553	3747938	0.00413	0.11	0.00177	0.06	0.1702
469553	3747938	0.00411	0.11	0.00152	0.06	0.1606
470553	3747938	0.00435	0.11	0.00174	0.06	0.1747
471553	3747938	0.00476	0.12	0.00191	0.07	0.1914
472553	3747938	0.00498	0.13	0.00217	0.08	0.2065
473553	3747938	0.00595	0.15	0.00316	0.12	0.2675
474553	3747938	0.00721	0.18	0.0036	0.13	0.3157
475553	3747938	0.00913	0.23	0.00395	0.14	0.3776
476553	3747938	0.01016	0.26	0.00371	0.14	0.3952
477553	3747938	0.00963	0.25	0.00393	0.14	0.3897
478553	3747938	0.01047	0.27	0.00356	0.13	0.3977
479553	3747938	0.01095	0.28	0.00486	0.18	0.4574
480553	3747938	0.01159	0.30	0.00378	0.14	0.4343
481553	3747938	0.00921	0.24	0.00516	0.19	0.4238
482553	3747938	0.02768	0.71	0.00877	0.32	1.0279
483553	3747938	0.03079	0.79	0.00936	0.34	1.1290
484553	3747938	0.02482	0.63	0.00913	0.33	0.9679
485553	3747938	0.02419	0.62	0.00892	0.33	0.9441
486553	3747938	0.02679	0.69	0.01026	0.37	1.0595
487553	3747938	0.02251	0.58	0.01002	0.37	0.9413
488553	3747938	0.02984	0.76	0.00988	0.36	1.1237
489553	3747938	0.02485	0.64	0.0107	0.39	1.0259
490553	3747938	0.02549	0.65	0.00886	0.32	0.9752
491553	3747938	0.01766	0.45	0.00823	0.30	0.7519
492553	3747938	0.01858	0.48	0.0074	0.27	0.7452
493553	3747938	0.01503	0.38	0.00623	0.23	0.6117
494553	3747938	0.01233	0.32	0.00503	0.18	0.4989
495553	3747938	0.01589	0.41	0.00513	0.19	0.5936
496553	3747938	0.01895	0.48	0.00909	0.33	0.8163
497553	3747938	0.01677	0.43	0.00639	0.23	0.6621
498553	3747938	0.01519	0.39	0.00853	0.31	0.6997
499553	3747938	0.01144	0.29	0.00483	0.18	0.4688
500553	3747938	0.00789	0.20	0.00542	0.20	0.3995
501553	3747938	0.00779	0.20	0.0035	0.13	0.3269
502553	3747938	0.00805	0.21	0.00283	0.10	0.3091
503553	3747938	0.0067	0.17	0.00353	0.13	0.3001
504553	3747938	0.00576	0.15	0.00324	0.12	0.2655
505553	3747938	0.00548	0.14	0.00266	0.10	0.2372
461553	3748938	0.0022	0.06	0.00084	0.03	0.0869
462553	3748938	0.00202	0.05	0.00079	0.03	0.0805
463553	3748938	0.00209	0.05	0.00083	0.03	0.0837
464553	3748938	0.00219	0.06	0.00102	0.04	0.0932
465553	3748938	0.00223	0.06	0.00126	0.05	0.1030
466553	3748938	0.00262	0.07	0.00148	0.05	0.1210
467553	3748938	0.00329	0.08	0.0017	0.06	0.1462
468553	3748938	0.0041	0.10	0.00213	0.08	0.1826
469553	3748938	0.005	0.13	0.00182	0.07	0.1943
470553	3748938	0.00603	0.15	0.0019	0.07	0.2235
471553	3748938	0.00531	0.14	0.00205	0.07	0.2106
472553	3748938	0.00548	0.14	0.00205	0.07	0.2150
473553	3748938	0.00461	0.12	0.00233	0.08	0.2029
474553	3748938	0.0057	0.15	0.0026	0.09	0.2406
475553	3748938	0.00666	0.17	0.00343	0.13	0.2955
476553	3748938	0.00873	0.22	0.00443	0.16	0.3849
477553	3748938	0.01165	0.30	0.00487	0.18	0.4756
478553	3748938	0.01302	0.33	0.00486	0.18	0.5103
479553	3748938	0.01365	0.35	0.00495	0.18	0.5297
480553	3748938	0.01329	0.34	0.00611	0.22	0.5628
481553	3748938	0.02079	0.53	0.00719	0.26	0.7941
482553	3748938	0.0108	0.28	0.00885	0.32	0.5991
483553	3748938	0.03809	0.97	0.01513	0.55	1.5262
484553	3748938	0.0341	0.87	0.01169	0.43	1.2987
485553	3748938	0.03302	0.84	0.01179	0.43	1.2747
486553	3748938	0.03881	0.99	0.01276	0.47	1.4582
487553	3748938	0.03247	0.83	0.01435	0.52	1.3540

488553	3748938	0.04316	1.10	0.01525	0.56	1.6603
489553	3748938	0.03007	0.77	0.00991	0.36	1.1307
490553	3748938	0.0248	0.63	0.01124	0.41	1.0444
491553	3748938	0.02402	0.61	0.00939	0.34	0.9569
492553	3748938	0.01761	0.45	0.00797	0.29	0.7412
493553	3748938	0.01908	0.49	0.00604	0.22	0.7084
494553	3748938	0.02157	0.55	0.00738	0.27	0.8209
495553	3748938	0.02433	0.62	0.01007	0.37	0.9897
496553	3748938	0.01319	0.34	0.00813	0.30	0.6339
497553	3748938	0.01384	0.35	0.00666	0.24	0.5970
498553	3748938	0.01216	0.31	0.00759	0.28	0.5879
499553	3748938	0.01143	0.29	0.00415	0.15	0.4437
500553	3748938	0.00806	0.21	0.0041	0.15	0.3557
501553	3748938	0.006	0.15	0.00383	0.14	0.2932
502553	3748938	0.00602	0.15	0.00292	0.11	0.2605
503553	3748938	0.0062	0.16	0.00248	0.09	0.2491
504553	3748938	0.00613	0.16	0.00223	0.08	0.2381
505553	3748938	0.00533	0.14	0.00234	0.09	0.2217
461553	3749938	0.00299	0.08	0.00098	0.04	0.1122
462553	3749938	0.00292	0.07	0.00099	0.04	0.1108
463553	3749938	0.00289	0.07	0.00102	0.04	0.1111
464553	3749938	0.00281	0.07	0.00104	0.04	0.1098
465553	3749938	0.00283	0.07	0.00101	0.04	0.1092
466553	3749938	0.0028	0.07	0.00103	0.04	0.1092
467553	3749938	0.00279	0.07	0.00104	0.04	0.1093
468553	3749938	0.0028	0.07	0.00127	0.05	0.1179
469553	3749938	0.00315	0.08	0.00159	0.06	0.1386
470553	3749938	0.00494	0.13	0.00207	0.08	0.2019
471553	3749938	0.00519	0.13	0.00271	0.10	0.2316
472553	3749938	0.0056	0.14	0.00254	0.09	0.2359
473553	3749938	0.00543	0.14	0.00206	0.08	0.2140
474553	3749938	0.00562	0.14	0.00205	0.07	0.2185
475553	3749938	0.00519	0.13	0.0027	0.10	0.2312
476553	3749938	0.0066	0.17	0.00328	0.12	0.2885
477553	3749938	0.00861	0.22	0.00432	0.16	0.3778
478553	3749938	0.0113	0.29	0.00586	0.21	0.5028
479553	3749938	0.01608	0.41	0.00642	0.23	0.6455
480553	3749938	0.01785	0.46	0.007	0.26	0.7119
481553	3749938	0.02056	0.53	0.00794	0.29	0.8155
482553	3749938	0.03001	0.77	0.00943	0.34	1.1116
483553	3749938	0.03483	0.89	0.02293	0.84	1.7273
484553	3749938	0.03564	0.91	0.01572	0.57	1.4851
485553	3749938	0.03306	0.85	0.01165	0.42	1.2706
486553	3749938	0.04646	1.19	0.01947	0.71	1.8986
487553	3749938	0.04286	1.10	0.01545	0.56	1.6599
488553	3749938	0.04601	1.18	0.01951	0.71	1.8886
489553	3749938	0.03924	1.00	0.01599	0.58	1.5870
490553	3749938	0.03295	0.84	0.01253	0.46	1.2999
491553	3749938	0.02215	0.57	0.01038	0.38	0.9452
492553	3749938	0.02964	0.76	0.0083	0.30	1.0609
493553	3749938	0.02806	0.72	0.01081	0.39	1.1121
494553	3749938	0.0195	0.50	0.01031	0.38	0.8749
495553	3749938	0.01304	0.33	0.00776	0.28	0.6166
496553	3749938	0.01532	0.39	0.00699	0.25	0.6468
497553	3749938	0.01641	0.42	0.00761	0.28	0.6973
498553	3749938	0.00949	0.24	0.00703	0.26	0.4992
499553	3749938	0.00755	0.19	0.00379	0.14	0.3314
500553	3749938	0.00771	0.20	0.00325	0.12	0.3158
501553	3749938	0.00646	0.17	0.00295	0.11	0.2728
502553	3749938	0.00658	0.17	0.00309	0.11	0.2810
503553	3749938	0.0062	0.16	0.00274	0.10	0.2585
504553	3749938	0.00635	0.16	0.0024	0.09	0.2500
505553	3749938	0.00579	0.15	0.00225	0.08	0.2302
461553	3750938	0.00294	0.08	0.00137	0.05	0.1252
462553	3750938	0.00318	0.08	0.00142	0.05	0.1331
463553	3750938	0.00345	0.09	0.00145	0.05	0.1411
464553	3750938	0.00366	0.09	0.00145	0.05	0.1465
465553	3750938	0.00383	0.10	0.00141	0.05	0.1494
466553	3750938	0.0041	0.10	0.00139	0.05	0.1556
467553	3750938	0.00437	0.11	0.00135	0.05	0.1610
468553	3750938	0.00436	0.11	0.00138	0.05	0.1619

469553	3750938	0.00426	0.11	0.00138	0.05	0.1593
470553	3750938	0.00527	0.13	0.00173	0.06	0.1979
471553	3750938	0.00558	0.14	0.00206	0.08	0.2179
472553	3750938	0.00491	0.13	0.00171	0.06	0.1880
473553	3750938	0.00371	0.09	0.00202	0.07	0.1686
474553	3750938	0.004	0.10	0.00248	0.09	0.1928
475553	3750938	0.00536	0.14	0.00279	0.10	0.2389
476553	3750938	0.00681	0.17	0.0028	0.10	0.2763
477553	3750938	0.00779	0.20	0.00316	0.12	0.3145
478553	3750938	0.00806	0.21	0.0044	0.16	0.3667
479553	3750938	0.01154	0.30	0.00579	0.21	0.5064
480553	3750938	0.01572	0.40	0.00848	0.31	0.7114
481553	3750938	0.02427	0.62	0.00965	0.35	0.9728
482553	3750938	0.03093	0.79	0.00996	0.36	1.1545
483553	3750938	0.03246	0.83	0.00975	0.36	1.1859
484553	3750938	0.07156	1.83	0.02703	0.99	2.8164
485553	3750938	0.03903	1.00	0.01547	0.56	1.5627
486553	3750938	0.0413	1.06	0.01486	0.54	1.5985
487553	3750938	0.07759	1.98	0.02458	0.90	2.8813
488553	3750938	0.06813	1.74	0.02102	0.77	2.5095
489553	3750938	0.05002	1.28	0.01807	0.66	1.9386
490553	3750938	0.04108	1.05	0.01416	0.52	1.5673
491553	3750938	0.04327	1.11	0.01415	0.52	1.6230
492553	3750938	0.0281	0.72	0.01528	0.56	1.2761
493553	3750938	0.02784	0.71	0.01037	0.38	1.0904
494553	3750938	0.02613	0.67	0.00927	0.34	1.0065
495553	3750938	0.01532	0.39	0.01126	0.41	0.8026
496553	3750938	0.01189	0.30	0.00554	0.20	0.5062
497553	3750938	0.01025	0.26	0.00474	0.17	0.4351
498553	3750938	0.00905	0.23	0.00468	0.17	0.4022
499553	3750938	0.00845	0.22	0.00393	0.14	0.3595
500553	3750938	0.00785	0.20	0.00343	0.13	0.3259
501553	3750938	0.00699	0.18	0.00316	0.12	0.2941
502553	3750938	0.00613	0.16	0.00311	0.11	0.2702
503553	3750938	0.00567	0.15	0.00268	0.10	0.2428
504553	3750938	0.00568	0.15	0.00234	0.09	0.2306
505553	3750938	0.00513	0.13	0.00213	0.08	0.2089
461553	3751938	0.00272	0.07	0.00116	0.04	0.1119
462553	3751938	0.00285	0.07	0.00118	0.04	0.1159
463553	3751938	0.00299	0.08	0.0012	0.04	0.1203
464553	3751938	0.00317	0.08	0.00133	0.05	0.1296
465553	3751938	0.00338	0.09	0.0015	0.05	0.1412
466553	3751938	0.0036	0.09	0.00167	0.06	0.1530
467553	3751938	0.00379	0.10	0.00184	0.07	0.1641
468553	3751938	0.00396	0.10	0.00199	0.07	0.1739
469553	3751938	0.00435	0.11	0.00211	0.08	0.1882
470553	3751938	0.00535	0.14	0.00223	0.08	0.2182
471553	3751938	0.00715	0.18	0.00245	0.09	0.2723
472553	3751938	0.00585	0.15	0.00217	0.08	0.2288
473553	3751938	0.00608	0.16	0.002	0.07	0.2285
474553	3751938	0.00637	0.16	0.002	0.07	0.2359
475553	3751938	0.00652	0.17	0.00199	0.07	0.2394
476553	3751938	0.00643	0.16	0.00213	0.08	0.2422
477553	3751938	0.00632	0.16	0.00308	0.11	0.2740
478553	3751938	0.00676	0.17	0.00401	0.15	0.3192
479553	3751938	0.00918	0.23	0.00444	0.16	0.3968
480553	3751938	0.01255	0.32	0.00605	0.22	0.5417
481553	3751938	0.01593	0.41	0.00855	0.31	0.7194
482553	3751938	0.02585	0.66	0.01423	0.52	1.1803
483553	3751938	0.04623	1.18	0.01839	0.67	1.8533
484553	3751938	0.06497	1.66	0.01889	0.69	2.3509
485553	3751938	0.11753	3.01	0.0439	1.60	4.6077
486553	3751938	0.06394	1.64	0.02128	0.78	2.4118
487553	3751938	0.11769	3.01	0.05475	2.00	5.0075
488553	3751938	0.09056	2.32	0.02944	1.07	3.3903
489553	3751938	0.08721	2.23	0.02028	0.74	2.9705
490553	3751938	0.05148	1.32	0.02652	0.97	2.2842
491553	3751938	0.03713	0.95	0.01582	0.58	1.5268
492553	3751938	0.02771	0.71	0.01292	0.47	1.1801
493553	3751938	0.027	0.69	0.01313	0.48	1.1696
494553	3751938	0.02004	0.51	0.01032	0.38	0.8891

495553	3751938	0.01599	0.41	0.00833	0.30	0.7129
496553	3751938	0.0119	0.30	0.0054	0.20	0.5014
497553	3751938	0.00898	0.23	0.00519	0.19	0.4190
498553	3751938	0.0084	0.21	0.00443	0.16	0.3765
499553	3751938	0.00763	0.20	0.00365	0.13	0.3283
500553	3751938	0.00677	0.17	0.00315	0.11	0.2881
501553	3751938	0.00702	0.18	0.00313	0.11	0.2937
502553	3751938	0.00713	0.18	0.00282	0.10	0.2852
503553	3751938	0.00696	0.18	0.00255	0.09	0.2710
504553	3751938	0.00706	0.18	0.00228	0.08	0.2638
505553	3751938	0.00697	0.18	0.00208	0.08	0.2542
461553	3752938	0.00244	0.06	0.00101	0.04	0.0993
462553	3752938	0.00255	0.07	0.00105	0.04	0.1035
463553	3752938	0.00268	0.07	0.00113	0.04	0.1098
464553	3752938	0.00281	0.07	0.00121	0.04	0.1160
465553	3752938	0.003	0.08	0.00132	0.05	0.1249
466553	3752938	0.00325	0.08	0.00146	0.05	0.1364
467553	3752938	0.00351	0.09	0.00161	0.06	0.1485
468553	3752938	0.00375	0.10	0.00175	0.06	0.1598
469553	3752938	0.00396	0.10	0.00187	0.07	0.1695
470553	3752938	0.00421	0.11	0.00199	0.07	0.1803
471553	3752938	0.00435	0.11	0.0021	0.08	0.1879
472553	3752938	0.00457	0.12	0.00219	0.08	0.1968
473553	3752938	0.00489	0.13	0.00241	0.09	0.2130
474553	3752938	0.0055	0.14	0.00269	0.10	0.2388
475553	3752938	0.00636	0.16	0.00314	0.11	0.2772
476553	3752938	0.00743	0.19	0.00361	0.13	0.3217
477553	3752938	0.00875	0.22	0.00406	0.15	0.3719
478553	3752938	0.0104	0.27	0.00439	0.16	0.4262
479553	3752938	0.01236	0.32	0.00433	0.16	0.4741
480553	3752938	0.01491	0.38	0.00452	0.16	0.5463
481553	3752938	0.01782	0.46	0.00654	0.24	0.6944
482553	3752938	0.02084	0.53	0.00941	0.34	0.8763
483553	3752938	0.03052	0.78	0.01737	0.63	1.4143
484553	3752938	0.06941	1.78	0.03798	1.39	3.1609
485553	3752938	0.20839	5.33	0.05837	2.13	7.4596
486553	3752938	0.35492	9.08	0.06865	2.50	11.5826
487553	3752938	0.27583	7.06	0.08091	2.95	10.0068
488553	3752938	0.14069	3.60	0.06005	2.19	5.7892
489553	3752938	0.07829	2.00	0.03669	1.34	3.3409
490553	3752938	0.05032	1.29	0.02213	0.81	2.0944
491553	3752938	0.04648	1.19	0.02217	0.81	1.9976
492553	3752938	0.03562	0.91	0.01484	0.54	1.4524
493553	3752938	0.028	0.72	0.01471	0.54	1.2528
494553	3752938	0.02411	0.62	0.01	0.36	0.9815
495553	3752938	0.01914	0.49	0.0076	0.28	0.7668
496553	3752938	0.01161	0.30	0.00538	0.20	0.4932
497553	3752938	0.01068	0.27	0.00496	0.18	0.4541
498553	3752938	0.00927	0.24	0.00465	0.17	0.4067
499553	3752938	0.00837	0.21	0.00445	0.16	0.3764
500553	3752938	0.00816	0.21	0.00387	0.14	0.3499
501553	3752938	0.00748	0.19	0.0037	0.13	0.3263
502553	3752938	0.00687	0.18	0.00328	0.12	0.2954
503553	3752938	0.00629	0.16	0.00297	0.11	0.2692
504553	3752938	0.00576	0.15	0.00265	0.10	0.2440
505553	3752938	0.0053	0.14	0.00247	0.09	0.2257
461553	3753938	0.00281	0.07	0.00103	0.04	0.1094
462553	3753938	0.00292	0.07	0.00106	0.04	0.1134
463553	3753938	0.00305	0.08	0.00111	0.04	0.1185
464553	3753938	0.00318	0.08	0.00115	0.04	0.1233
465553	3753938	0.00341	0.09	0.00123	0.04	0.1321
466553	3753938	0.00366	0.09	0.00132	0.05	0.1418
467553	3753938	0.00389	0.10	0.0014	0.05	0.1506
468553	3753938	0.00424	0.11	0.00152	0.06	0.1639
469553	3753938	0.00458	0.12	0.00164	0.06	0.1770
470553	3753938	0.00479	0.12	0.00171	0.06	0.1849
471553	3753938	0.00489	0.13	0.00174	0.06	0.1886
472553	3753938	0.00529	0.14	0.00188	0.07	0.2039
473553	3753938	0.0057	0.15	0.00205	0.07	0.2206
474553	3753938	0.00591	0.15	0.00226	0.08	0.2336
475553	3753938	0.00649	0.17	0.00254	0.09	0.2587

476553	3753938	0.00717	0.18	0.00287	0.10	0.2881
477553	3753938	0.00802	0.21	0.00329	0.12	0.3252
478553	3753938	0.0091	0.23	0.00385	0.14	0.3732
479553	3753938	0.01051	0.27	0.0046	0.17	0.4366
480553	3753938	0.0132	0.34	0.00582	0.21	0.5499
481553	3753938	0.01894	0.48	0.00788	0.29	0.7719
482553	3753938	0.02868	0.73	0.01122	0.41	1.1429
483553	3753938	0.04226	1.08	0.02466	0.90	1.9805
484553	3753938	0.07525	1.92	0.0366	1.34	3.2599
485553	3753938	0.24889	6.37	0.07519	2.74	9.1091
486553	3753938	0.74476	19.05	0.45396	16.56	35.6096
487553	3753938	0.26965	6.90	0.20714	7.56	14.4533
488553	3753938	0.10815	2.77	0.062	2.26	5.0280
489553	3753938	0.06789	1.74	0.03472	1.27	3.0031
490553	3753938	0.04628	1.18	0.02955	1.08	2.2617
491553	3753938	0.0291	0.74	0.01898	0.69	1.4367
492553	3753938	0.02629	0.67	0.01506	0.55	1.2218
493553	3753938	0.02073	0.53	0.01073	0.39	0.9217
494553	3753938	0.01909	0.49	0.00934	0.34	0.8290
495553	3753938	0.01509	0.39	0.00738	0.27	0.6552
496553	3753938	0.01263	0.32	0.00649	0.24	0.5598
497553	3753938	0.01134	0.29	0.0058	0.21	0.5016
498553	3753938	0.01024	0.26	0.00518	0.19	0.4509
499553	3753938	0.00964	0.25	0.00466	0.17	0.4166
500553	3753938	0.00922	0.24	0.00424	0.15	0.3905
501553	3753938	0.00836	0.21	0.00386	0.14	0.3546
502553	3753938	0.00763	0.20	0.00353	0.13	0.3239
503553	3753938	0.00701	0.18	0.00323	0.12	0.2971
504553	3753938	0.00648	0.17	0.00297	0.11	0.2741
505553	3753938	0.00603	0.15	0.00273	0.10	0.2538
461553	3754938	0.00216	0.06	0.00115	0.04	0.0972
462553	3754938	0.00218	0.06	0.00119	0.04	0.0992
463553	3754938	0.0022	0.06	0.00123	0.04	0.1011
464553	3754938	0.0023	0.06	0.00128	0.05	0.1055
465553	3754938	0.00244	0.06	0.00133	0.05	0.1109
466553	3754938	0.00268	0.07	0.00143	0.05	0.1207
467553	3754938	0.00287	0.07	0.00149	0.05	0.1278
468553	3754938	0.0032	0.08	0.00156	0.06	0.1388
469553	3754938	0.00356	0.09	0.00164	0.06	0.1509
470553	3754938	0.00393	0.10	0.00171	0.06	0.1629
471553	3754938	0.00431	0.11	0.00177	0.06	0.1748
472553	3754938	0.0047	0.12	0.00183	0.07	0.1870
473553	3754938	0.00519	0.13	0.00197	0.07	0.2046
474553	3754938	0.00599	0.15	0.00221	0.08	0.2338
475553	3754938	0.00698	0.18	0.00251	0.09	0.2701
476553	3754938	0.00887	0.23	0.00296	0.11	0.3349
477553	3754938	0.01017	0.26	0.00362	0.13	0.3922
478553	3754938	0.0121	0.31	0.00456	0.17	0.4758
479553	3754938	0.01486	0.38	0.00581	0.21	0.5920
480553	3754938	0.01979	0.51	0.00881	0.32	0.8276
481553	3754938	0.02865	0.73	0.01097	0.40	1.1330
482553	3754938	0.03028	0.77	0.01582	0.58	1.3516
483553	3754938	0.04896	1.25	0.02701	0.99	2.2376
484553	3754938	0.06427	1.64	0.04579	1.67	3.3143
485553	3754938	0.12049	3.08	0.06841	2.50	5.5774
486553	3754938	0.09365	2.40	0.09173	3.35	5.7416
487553	3754938	0.09919	2.54	0.08122	2.96	5.4999
488553	3754938	0.07222	1.85	0.05707	2.08	3.9291
489553	3754938	0.04668	1.19	0.02479	0.90	2.0983
490553	3754938	0.02623	0.67	0.01732	0.63	1.3027
491553	3754938	0.0202	0.52	0.01335	0.49	1.0037
492553	3754938	0.01504	0.38	0.00827	0.30	0.6864
493553	3754938	0.01514	0.39	0.00673	0.25	0.6328
494553	3754938	0.01357	0.35	0.00682	0.25	0.5959
495553	3754938	0.01068	0.27	0.00618	0.23	0.4986
496553	3754938	0.00851	0.22	0.0052	0.19	0.4074
497553	3754938	0.00756	0.19	0.00439	0.16	0.3535
498553	3754938	0.00696	0.18	0.00428	0.16	0.3342
499553	3754938	0.00663	0.17	0.00405	0.15	0.3173
500553	3754938	0.007	0.18	0.00375	0.14	0.3158
501553	3754938	0.0071	0.18	0.00342	0.12	0.3064

502553	3754938	0.00649	0.17	0.0031	0.11	0.2791
503553	3754938	0.00578	0.15	0.00278	0.10	0.2493
504553	3754938	0.00505	0.13	0.0025	0.09	0.2204
505553	3754938	0.00468	0.12	0.00232	0.08	0.2043
461553	3755938	0.00243	0.06	0.00088	0.03	0.0943
462553	3755938	0.00254	0.06	0.00095	0.03	0.0996
463553	3755938	0.00265	0.07	0.00102	0.04	0.1050
464553	3755938	0.00275	0.07	0.00109	0.04	0.1101
465553	3755938	0.00297	0.08	0.00118	0.04	0.1190
466553	3755938	0.00337	0.09	0.00129	0.05	0.1333
467553	3755938	0.00371	0.09	0.00139	0.05	0.1456
468553	3755938	0.00411	0.11	0.0015	0.05	0.1598
469553	3755938	0.00426	0.11	0.00154	0.06	0.1651
470553	3755938	0.00497	0.13	0.00185	0.07	0.1946
471553	3755938	0.00592	0.15	0.00212	0.08	0.2288
472553	3755938	0.00619	0.16	0.00232	0.08	0.2430
473553	3755938	0.00679	0.17	0.00261	0.10	0.2689
474553	3755938	0.00748	0.19	0.00338	0.12	0.3146
475553	3755938	0.0082	0.21	0.00385	0.14	0.3502
476553	3755938	0.00977	0.25	0.00402	0.15	0.3965
477553	3755938	0.01296	0.33	0.00422	0.15	0.4854
478553	3755938	0.01513	0.39	0.00535	0.20	0.5822
479553	3755938	0.01358	0.35	0.00871	0.32	0.6651
480553	3755938	0.02637	0.67	0.0101	0.37	1.0429
481553	3755938	0.02292	0.59	0.013	0.47	1.0605
482553	3755938	0.02754	0.70	0.01881	0.69	1.3906
483553	3755938	0.02987	0.76	0.01842	0.67	1.4360
484553	3755938	0.05083	1.30	0.01838	0.67	1.9706
485553	3755938	0.06037	1.54	0.0301	1.10	2.6422
486553	3755938	0.04852	1.24	0.03045	1.11	2.3518
487553	3755938	0.04545	1.16	0.02924	1.07	2.2292
488553	3755938	0.03485	0.89	0.01815	0.66	1.5535
489553	3755938	0.02587	0.66	0.01784	0.65	1.3125
490553	3755938	0.026	0.67	0.01405	0.51	1.1776
491553	3755938	0.02045	0.52	0.01055	0.38	0.9079
492553	3755938	0.0171	0.44	0.00703	0.26	0.6938
493553	3755938	0.01326	0.34	0.00741	0.27	0.6095
494553	3755938	0.01047	0.27	0.00535	0.20	0.4630
495553	3755938	0.01024	0.26	0.00572	0.21	0.4706
496553	3755938	0.00907	0.23	0.0054	0.20	0.4290
497553	3755938	0.00808	0.21	0.00494	0.18	0.3869
498553	3755938	0.00804	0.21	0.00379	0.14	0.3439
499553	3755938	0.00753	0.19	0.00298	0.11	0.3013
500553	3755938	0.00709	0.18	0.00277	0.10	0.2824
501553	3755938	0.0069	0.18	0.00257	0.09	0.2702
502553	3755938	0.00524	0.13	0.0024	0.09	0.2216
503553	3755938	0.00472	0.12	0.00224	0.08	0.2024
504553	3755938	0.00449	0.11	0.00213	0.08	0.1925
505553	3755938	0.0041	0.10	0.0021	0.08	0.1815
461553	3756938	0.00287	0.07	0.00107	0.04	0.1124
462553	3756938	0.003	0.08	0.00116	0.04	0.1191
463553	3756938	0.00312	0.08	0.00125	0.05	0.1254
464553	3756938	0.00353	0.09	0.00134	0.05	0.1392
465553	3756938	0.00394	0.10	0.00144	0.05	0.1533
466553	3756938	0.00433	0.11	0.00154	0.06	0.1669
467553	3756938	0.00456	0.12	0.00167	0.06	0.1776
468553	3756938	0.00456	0.12	0.00186	0.07	0.1845
469553	3756938	0.00452	0.12	0.0021	0.08	0.1922
470553	3756938	0.00436	0.11	0.00236	0.09	0.1976
471553	3756938	0.00503	0.13	0.00255	0.09	0.2217
472553	3756938	0.00566	0.14	0.00249	0.09	0.2356
473553	3756938	0.00782	0.20	0.00249	0.09	0.2909
474553	3756938	0.0061	0.16	0.0026	0.09	0.2509
475553	3756938	0.00843	0.22	0.00439	0.16	0.3758
476553	3756938	0.00856	0.22	0.00497	0.18	0.4002
477553	3756938	0.0157	0.40	0.00482	0.18	0.5774
478553	3756938	0.02033	0.52	0.00642	0.23	0.7542
479553	3756938	0.01333	0.34	0.011	0.40	0.7422
480553	3756938	0.014	0.36	0.0072	0.26	0.6207
481553	3756938	0.01554	0.40	0.00739	0.27	0.6671
482553	3756938	0.01461	0.37	0.00834	0.30	0.6779

483553	3756938	0.02941	0.75	0.01052	0.38	1.1360
484553	3756938	0.02572	0.66	0.01527	0.56	1.2149
485553	3756938	0.02045	0.52	0.01562	0.57	1.0929
486553	3756938	0.02853	0.73	0.01546	0.56	1.2937
487553	3756938	0.03404	0.87	0.01756	0.64	1.5113
488553	3756938	0.02331	0.60	0.01241	0.45	1.0489
489553	3756938	0.01986	0.51	0.01179	0.43	0.9381
490553	3756938	0.01531	0.39	0.01187	0.43	0.8246
491553	3756938	0.01873	0.48	0.00983	0.36	0.8377
492553	3756938	0.01476	0.38	0.009	0.33	0.7058
493553	3756938	0.01425	0.36	0.00834	0.30	0.6687
494553	3756938	0.01567	0.40	0.00641	0.23	0.6346
495553	3756938	0.00943	0.24	0.00381	0.14	0.3802
496553	3756938	0.00879	0.22	0.00422	0.15	0.3788
497553	3756938	0.00692	0.18	0.00447	0.16	0.3401
498553	3756938	0.00722	0.18	0.00351	0.13	0.3127
499553	3756938	0.00684	0.17	0.00307	0.11	0.2869
500553	3756938	0.00613	0.16	0.00306	0.11	0.2684
501553	3756938	0.00501	0.13	0.00309	0.11	0.2409
502553	3756938	0.0057	0.15	0.0028	0.10	0.2479
503553	3756938	0.00549	0.14	0.00269	0.10	0.2386
504553	3756938	0.00561	0.14	0.0023	0.08	0.2274
505553	3756938	0.00505	0.13	0.00181	0.07	0.1952
461553	3757938	0.00354	0.09	0.00135	0.05	0.1398
462553	3757938	0.0036	0.09	0.00147	0.05	0.1457
463553	3757938	0.00357	0.09	0.00159	0.06	0.1493
464553	3757938	0.00347	0.09	0.0017	0.06	0.1508
465553	3757938	0.00315	0.08	0.00172	0.06	0.1433
466553	3757938	0.00315	0.08	0.00169	0.06	0.1422
467553	3757938	0.00342	0.09	0.00162	0.06	0.1466
468553	3757938	0.0039	0.10	0.00153	0.06	0.1556
469553	3757938	0.00436	0.11	0.00164	0.06	0.1713
470553	3757938	0.00487	0.12	0.00198	0.07	0.1968
471553	3757938	0.00509	0.13	0.00229	0.08	0.2137
472553	3757938	0.00587	0.15	0.00261	0.10	0.2454
473553	3757938	0.00373	0.10	0.00214	0.08	0.1735
474553	3757938	0.00556	0.14	0.00225	0.08	0.2243
475553	3757938	0.01408	0.36	0.00381	0.14	0.4991
476553	3757938	0.01354	0.35	0.00648	0.24	0.5827
477553	3757938	0.01088	0.28	0.00795	0.29	0.5683
478553	3757938	0.01122	0.29	0.00578	0.21	0.4978
479553	3757938	0.01208	0.31	0.00495	0.18	0.4896
480553	3757938	0.01	0.26	0.00628	0.23	0.4849
481553	3757938	0.00981	0.25	0.00554	0.20	0.4530
482553	3757938	0.01892	0.48	0.00708	0.26	0.7422
483553	3757938	0.01518	0.39	0.00994	0.36	0.7509
484553	3757938	0.02174	0.56	0.01166	0.43	0.9814
485553	3757938	0.01638	0.42	0.00775	0.28	0.7017
486553	3757938	0.01691	0.43	0.00886	0.32	0.7557
487553	3757938	0.02675	0.68	0.01288	0.47	1.1541
488553	3757938	0.02184	0.56	0.00851	0.31	0.8691
489553	3757938	0.01735	0.44	0.00837	0.31	0.7491
490553	3757938	0.01354	0.35	0.0084	0.31	0.6528
491553	3757938	0.01367	0.35	0.00773	0.28	0.6316
492553	3757938	0.01433	0.37	0.00582	0.21	0.5788
493553	3757938	0.0135	0.35	0.00668	0.24	0.5890
494553	3757938	0.01117	0.29	0.00607	0.22	0.5071
495553	3757938	0.01052	0.27	0.00624	0.23	0.4967
496553	3757938	0.01054	0.27	0.00395	0.14	0.4137
497553	3757938	0.0088	0.23	0.00415	0.15	0.3765
498553	3757938	0.00712	0.18	0.00268	0.10	0.2799
499553	3757938	0.00631	0.16	0.00293	0.11	0.2683
500553	3757938	0.00477	0.12	0.00286	0.10	0.2263
501553	3757938	0.00564	0.14	0.00297	0.11	0.2526
502553	3757938	0.00583	0.15	0.00244	0.09	0.2381
503553	3757938	0.00587	0.15	0.00182	0.07	0.2165
504553	3757938	0.00491	0.13	0.00202	0.07	0.1993
505553	3757938	0.00402	0.10	0.002	0.07	0.1758
461553	3758938	0.00262	0.07	0.00136	0.05	0.1166
462553	3758938	0.0026	0.07	0.00128	0.05	0.1132
463553	3758938	0.00287	0.07	0.00123	0.04	0.1183

464553	3758938	0.00315	0.08	0.00123	0.04	0.1254
465553	3758938	0.00338	0.09	0.00131	0.05	0.1342
466553	3758938	0.00356	0.09	0.00146	0.05	0.1443
467553	3758938	0.00367	0.09	0.0016	0.06	0.1522
468553	3758938	0.00388	0.10	0.00171	0.06	0.1616
469553	3758938	0.00392	0.10	0.00178	0.06	0.1652
470553	3758938	0.00432	0.11	0.00191	0.07	0.1802
471553	3758938	0.00591	0.15	0.00195	0.07	0.2223
472553	3758938	0.00643	0.16	0.00187	0.07	0.2327
473553	3758938	0.00686	0.18	0.00249	0.09	0.2663
474553	3758938	0.00718	0.18	0.0055	0.20	0.3843
475553	3758938	0.00854	0.22	0.00518	0.19	0.4074
476553	3758938	0.0091	0.23	0.00457	0.17	0.3995
477553	3758938	0.01189	0.30	0.00467	0.17	0.4745
478553	3758938	0.00994	0.25	0.00591	0.22	0.4698
479553	3758938	0.0078	0.20	0.0036	0.13	0.3308
480553	3758938	0.00825	0.21	0.0039	0.14	0.3533
481553	3758938	0.01384	0.35	0.0056	0.20	0.5583
482553	3758938	0.01267	0.32	0.00688	0.25	0.5751
483553	3758938	0.01258	0.32	0.00503	0.18	0.5053
484553	3758938	0.01401	0.36	0.00733	0.27	0.6257
485553	3758938	0.01274	0.33	0.00685	0.25	0.5757
486553	3758938	0.01282	0.33	0.00634	0.23	0.5592
487553	3758938	0.02178	0.56	0.01172	0.43	0.9846
488553	3758938	0.01463	0.37	0.00863	0.31	0.6890
489553	3758938	0.01508	0.39	0.00631	0.23	0.6159
490553	3758938	0.01544	0.39	0.00795	0.29	0.6849
491553	3758938	0.01146	0.29	0.00644	0.23	0.5281
492553	3758938	0.01317	0.34	0.00501	0.18	0.5196
493553	3758938	0.01122	0.29	0.00611	0.22	0.5099
494553	3758938	0.01016	0.26	0.00607	0.22	0.4813
495553	3758938	0.01109	0.28	0.00418	0.15	0.4361
496553	3758938	0.00782	0.20	0.00466	0.17	0.3700
497553	3758938	0.00804	0.21	0.00445	0.16	0.3680
498553	3758938	0.00709	0.18	0.00394	0.14	0.3251
499553	3758938	0.00754	0.19	0.00276	0.10	0.2935
500553	3758938	0.0049	0.13	0.0029	0.11	0.2311
501553	3758938	0.00552	0.14	0.00191	0.07	0.2109
502553	3758938	0.00513	0.13	0.00216	0.08	0.2100
503553	3758938	0.0039	0.10	0.00239	0.09	0.1869
504553	3758938	0.0038	0.10	0.00222	0.08	0.1782
505553	3758938	0.00348	0.09	0.00215	0.08	0.1674
461553	3759938	0.00282	0.07	0.00112	0.04	0.1130
462553	3759938	0.00292	0.07	0.00121	0.04	0.1188
463553	3759938	0.00314	0.08	0.00136	0.05	0.1299
464553	3759938	0.00313	0.08	0.00137	0.05	0.1300
465553	3759938	0.00326	0.08	0.00141	0.05	0.1348
466553	3759938	0.00322	0.08	0.00147	0.05	0.1360
467553	3759938	0.0034	0.09	0.00152	0.06	0.1424
468553	3759938	0.00448	0.11	0.00148	0.05	0.1686
469553	3759938	0.00554	0.14	0.00183	0.07	0.2085
470553	3759938	0.00631	0.16	0.0024	0.09	0.2489
471553	3759938	0.00639	0.16	0.00289	0.11	0.2689
472553	3759938	0.00539	0.14	0.00369	0.13	0.2725
473553	3759938	0.00445	0.11	0.00203	0.07	0.1879
474553	3759938	0.0066	0.17	0.00347	0.13	0.2954
475553	3759938	0.00849	0.22	0.00373	0.14	0.3532
476553	3759938	0.01067	0.27	0.00431	0.16	0.4301
477553	3759938	0.00642	0.16	0.0035	0.13	0.2919
478553	3759938	0.00915	0.23	0.00485	0.18	0.4110
479553	3759938	0.00673	0.17	0.00321	0.12	0.2892
480553	3759938	0.01068	0.27	0.00457	0.17	0.4399
481553	3759938	0.00985	0.25	0.00514	0.19	0.4394
482553	3759938	0.00717	0.18	0.00442	0.16	0.3446
483553	3759938	0.00863	0.22	0.00494	0.18	0.4009
484553	3759938	0.01063	0.27	0.00547	0.20	0.4714
485553	3759938	0.01737	0.44	0.00792	0.29	0.7332
486553	3759938	0.01706	0.44	0.00881	0.32	0.7577
487553	3759938	0.02026	0.52	0.01152	0.42	0.9385
488553	3759938	0.02259	0.58	0.01072	0.39	0.9689
489553	3759938	0.01828	0.47	0.00719	0.26	0.7299

490553	3759938	0.01114	0.28	0.00666	0.24	0.5279
491553	3759938	0.00927	0.24	0.00614	0.22	0.4611
492553	3759938	0.00948	0.24	0.00485	0.18	0.4194
493553	3759938	0.01083	0.28	0.0034	0.12	0.4010
494553	3759938	0.00731	0.19	0.00469	0.17	0.3581
495553	3759938	0.00905	0.23	0.0032	0.12	0.3482
496553	3759938	0.0065	0.17	0.00468	0.17	0.3370
497553	3759938	0.00862	0.22	0.00305	0.11	0.3317
498553	3759938	0.00585	0.15	0.0035	0.13	0.2773
499553	3759938	0.00635	0.16	0.00301	0.11	0.2722
500553	3759938	0.00625	0.16	0.0033	0.12	0.2802
501553	3759938	0.00638	0.16	0.00217	0.08	0.2423
502553	3759938	0.00525	0.13	0.00224	0.08	0.2160
503553	3759938	0.00399	0.10	0.00217	0.08	0.1812
504553	3759938	0.00465	0.12	0.00144	0.05	0.1715
505553	3759938	0.00381	0.10	0.00118	0.04	0.1405
461553	3760938	0.00277	0.07	0.00119	0.04	0.1143
462553	3760938	0.00283	0.07	0.00122	0.04	0.1169
463553	3760938	0.00274	0.07	0.00127	0.05	0.1164
464553	3760938	0.00289	0.07	0.00131	0.05	0.1217
465553	3760938	0.00367	0.09	0.00124	0.05	0.1391
466553	3760938	0.00445	0.11	0.00147	0.05	0.1674
467553	3760938	0.00508	0.13	0.00187	0.07	0.1982
468553	3760938	0.00537	0.14	0.00223	0.08	0.2187
469553	3760938	0.00524	0.13	0.00248	0.09	0.2245
470553	3760938	0.00479	0.12	0.00261	0.10	0.2177
471553	3760938	0.0056	0.14	0.00243	0.09	0.2319
472553	3760938	0.00531	0.14	0.00267	0.10	0.2332
473553	3760938	0.00618	0.16	0.00268	0.10	0.2558
474553	3760938	0.00908	0.23	0.00355	0.13	0.3618
475553	3760938	0.00645	0.16	0.00427	0.16	0.3207
476553	3760938	0.006	0.15	0.00245	0.09	0.2428
477553	3760938	0.0052	0.13	0.00272	0.10	0.2322
478553	3760938	0.00756	0.19	0.00312	0.11	0.3072
479553	3760938	0.00914	0.23	0.00426	0.16	0.3892
480553	3760938	0.0079	0.20	0.00403	0.15	0.3491
481553	3760938	0.00653	0.17	0.00411	0.15	0.3170
482553	3760938	0.00957	0.24	0.00514	0.19	0.4323
483553	3760938	0.01103	0.28	0.00471	0.17	0.4539
484553	3760938	0.01246	0.32	0.00551	0.20	0.5197
485553	3760938	0.01748	0.45	0.00813	0.30	0.7437
486553	3760938	0.01562	0.40	0.00664	0.24	0.6418
487553	3760938	0.01831	0.47	0.00989	0.36	0.8291
488553	3760938	0.01625	0.42	0.00787	0.29	0.7027
489553	3760938	0.01243	0.32	0.0064	0.23	0.5514
490553	3760938	0.01103	0.28	0.00494	0.18	0.4623
491553	3760938	0.0089	0.23	0.00527	0.19	0.4199
492553	3760938	0.00812	0.21	0.00403	0.15	0.3547
493553	3760938	0.00795	0.20	0.00378	0.14	0.3412
494553	3760938	0.00934	0.24	0.0027	0.10	0.3374
495553	3760938	0.00472	0.12	0.00388	0.14	0.2623
496553	3760938	0.0077	0.20	0.00373	0.14	0.3330
497553	3760938	0.00613	0.16	0.00313	0.11	0.2710
498553	3760938	0.00652	0.17	0.00357	0.13	0.2970
499553	3760938	0.00593	0.15	0.00228	0.08	0.2349
500553	3760938	0.00446	0.11	0.00268	0.10	0.2118
501553	3760938	0.00498	0.13	0.00262	0.10	0.2230
502553	3760938	0.00587	0.15	0.0025	0.09	0.2413
503553	3760938	0.00487	0.12	0.00208	0.08	0.2004
504553	3760938	0.00476	0.12	0.00136	0.05	0.1714
505553	3760938	0.00248	0.06	0.00171	0.06	0.1258
461553	3761938	0.0025	0.06	0.00115	0.04	0.1059
462553	3761938	0.00314	0.08	0.00108	0.04	0.1197
463553	3761938	0.00378	0.10	0.00125	0.05	0.1423
464553	3761938	0.00431	0.11	0.00156	0.06	0.1672
465553	3761938	0.00464	0.12	0.00185	0.07	0.1862
466553	3761938	0.00464	0.12	0.00205	0.07	0.1935
467553	3761938	0.0043	0.11	0.00212	0.08	0.1873
468553	3761938	0.00374	0.10	0.00203	0.07	0.1697
469553	3761938	0.00439	0.11	0.00177	0.06	0.1769
470553	3761938	0.0051	0.13	0.00214	0.08	0.2085

471553	3761938	0.00607	0.16	0.0025	0.09	0.2465
472553	3761938	0.00725	0.19	0.00302	0.11	0.2956
473553	3761938	0.00594	0.15	0.00266	0.10	0.2490
474553	3761938	0.00613	0.16	0.00326	0.12	0.2757
475553	3761938	0.00522	0.13	0.00269	0.10	0.2316
476553	3761938	0.00515	0.13	0.00312	0.11	0.2455
477553	3761938	0.00716	0.18	0.00307	0.11	0.2951
478553	3761938	0.01124	0.29	0.00515	0.19	0.4754
479553	3761938	0.0088	0.23	0.00377	0.14	0.3626
480553	3761938	0.00668	0.17	0.0032	0.12	0.2876
481553	3761938	0.01038	0.27	0.00385	0.14	0.4059
482553	3761938	0.00814	0.21	0.00422	0.15	0.3621
483553	3761938	0.01049	0.27	0.0061	0.22	0.4908
484553	3761938	0.01015	0.26	0.00472	0.17	0.4318
485553	3761938	0.01335	0.34	0.00619	0.23	0.5673
486553	3761938	0.01176	0.30	0.00567	0.21	0.5076
487553	3761938	0.00983	0.25	0.00551	0.20	0.4524
488553	3761938	0.01441	0.37	0.00597	0.22	0.5864
489553	3761938	0.00847	0.22	0.00405	0.15	0.3644
490553	3761938	0.00823	0.21	0.00379	0.14	0.3488
491553	3761938	0.00774	0.20	0.00291	0.11	0.3041
492553	3761938	0.00929	0.24	0.00345	0.13	0.3635
493553	3761938	0.00729	0.19	0.00303	0.11	0.2970
494553	3761938	0.00644	0.16	0.00324	0.12	0.2829
495553	3761938	0.00806	0.21	0.00257	0.09	0.2999
496553	3761938	0.00408	0.10	0.00285	0.10	0.2083
497553	3761938	0.00656	0.17	0.00329	0.12	0.2878
498553	3761938	0.00632	0.16	0.00249	0.09	0.2525
499553	3761938	0.00458	0.12	0.00259	0.09	0.2116
500553	3761938	0.00333	0.09	0.00164	0.06	0.1450
501553	3761938	0.00394	0.10	0.00168	0.06	0.1621
502553	3761938	0.00325	0.08	0.00202	0.07	0.1568
503553	3761938	0.00416	0.11	0.00226	0.08	0.1888
504553	3761938	0.0049	0.13	0.00183	0.07	0.1921
505553	3761938	0.00316	0.08	0.00125	0.05	0.1264
461553	3762938	0.00387	0.10	0.00138	0.05	0.1493
462553	3762938	0.00421	0.11	0.00163	0.06	0.1671
463553	3762938	0.0043	0.11	0.00182	0.07	0.1764
464553	3762938	0.00409	0.10	0.00189	0.07	0.1736
465553	3762938	0.00367	0.09	0.00187	0.07	0.1621
466553	3762938	0.00333	0.09	0.00171	0.06	0.1476
467553	3762938	0.00381	0.10	0.00148	0.05	0.1514
468553	3762938	0.00411	0.11	0.00172	0.06	0.1679
469553	3762938	0.00407	0.10	0.00188	0.07	0.1727
470553	3762938	0.00476	0.12	0.00186	0.07	0.1896
471553	3762938	0.00506	0.13	0.0022	0.08	0.2097
472553	3762938	0.00476	0.12	0.00235	0.09	0.2075
473553	3762938	0.00552	0.14	0.00212	0.08	0.2185
474553	3762938	0.00557	0.14	0.00278	0.10	0.2439
475553	3762938	0.00648	0.17	0.00325	0.12	0.2843
476553	3762938	0.00699	0.18	0.00259	0.09	0.2733
477553	3762938	0.01019	0.26	0.00376	0.14	0.3978
478553	3762938	0.00985	0.25	0.00491	0.18	0.4311
479553	3762938	0.00656	0.17	0.0033	0.12	0.2882
480553	3762938	0.00577	0.15	0.0029	0.11	0.2534
481553	3762938	0.00864	0.22	0.00403	0.15	0.3680
482553	3762938	0.0109	0.28	0.00412	0.15	0.4291
483553	3762938	0.00793	0.20	0.00314	0.11	0.3174
484553	3762938	0.00798	0.20	0.0039	0.14	0.3464
485553	3762938	0.01168	0.30	0.00545	0.20	0.4976
486553	3762938	0.01074	0.27	0.0051	0.19	0.4608
487553	3762938	0.0086	0.22	0.00401	0.15	0.3663
488553	3762938	0.01925	0.49	0.00873	0.32	0.8108
489553	3762938	0.0104	0.27	0.00506	0.18	0.4506
490553	3762938	0.01206	0.31	0.00548	0.20	0.5084
491553	3762938	0.00852	0.22	0.00417	0.15	0.3700
492553	3762938	0.00524	0.13	0.00313	0.11	0.2482
493553	3762938	0.00723	0.18	0.00263	0.10	0.2809
494553	3762938	0.00625	0.16	0.00226	0.08	0.2423
495553	3762938	0.00559	0.14	0.00279	0.10	0.2448
496553	3762938	0.00698	0.18	0.00267	0.10	0.2759

497553	3762938	0.00355	0.09	0.00195	0.07	0.1619
498553	3762938	0.00494	0.13	0.00288	0.11	0.2314
499553	3762938	0.00555	0.14	0.00252	0.09	0.2339
500553	3762938	0.00416	0.11	0.00177	0.06	0.1710
501553	3762938	0.00317	0.08	0.0017	0.06	0.1431
502553	3762938	0.00346	0.09	0.00165	0.06	0.1487
503553	3762938	0.00322	0.08	0.00121	0.04	0.1265
504553	3762938	0.00233	0.06	0.00159	0.06	0.1176
505553	3762938	0.00313	0.08	0.00178	0.06	0.1450
461553	3763938	0.00403	0.10	0.00178	0.06	0.1680
462553	3763938	0.00407	0.10	0.00194	0.07	0.1749
463553	3763938	0.00327	0.08	0.0017	0.06	0.1457
464553	3763938	0.0031	0.08	0.00151	0.06	0.1344
465553	3763938	0.00344	0.09	0.00135	0.05	0.1372
466553	3763938	0.00365	0.09	0.00153	0.06	0.1492
467553	3763938	0.00358	0.09	0.00164	0.06	0.1514
468553	3763938	0.00411	0.11	0.00163	0.06	0.1646
469553	3763938	0.00428	0.11	0.00187	0.07	0.1777
470553	3763938	0.00465	0.12	0.00193	0.07	0.1893
471553	3763938	0.00444	0.11	0.00207	0.08	0.1891
472553	3763938	0.00524	0.13	0.00224	0.08	0.2157
473553	3763938	0.00528	0.14	0.00246	0.09	0.2248
474553	3763938	0.00431	0.11	0.00212	0.08	0.1876
475553	3763938	0.00608	0.16	0.00227	0.08	0.2383
476553	3763938	0.00844	0.22	0.00329	0.12	0.3359
477553	3763938	0.0079	0.20	0.00395	0.14	0.3462
478553	3763938	0.00603	0.15	0.00325	0.12	0.2728
479553	3763938	0.00618	0.16	0.0035	0.13	0.2857
480553	3763938	0.00772	0.20	0.00321	0.12	0.3146
481553	3763938	0.00614	0.16	0.00297	0.11	0.2654
482553	3763938	0.00718	0.18	0.00331	0.12	0.3044
483553	3763938	0.00686	0.18	0.0028	0.10	0.2776
484553	3763938	0.00947	0.24	0.00386	0.14	0.3830
485553	3763938	0.00902	0.23	0.00437	0.16	0.3901
486553	3763938	0.00788	0.20	0.00372	0.14	0.3373
487553	3763938	0.00643	0.16	0.00298	0.11	0.2732
488553	3763938	0.01306	0.33	0.00661	0.24	0.5752
489553	3763938	0.0087	0.22	0.00389	0.14	0.3644
490553	3763938	0.00778	0.20	0.00496	0.18	0.3799
491553	3763938	0.0059	0.15	0.00332	0.12	0.2720
492553	3763938	0.00699	0.18	0.00292	0.11	0.2853
493553	3763938	0.00537	0.14	0.00342	0.12	0.2621
494553	3763938	0.00465	0.12	0.00242	0.09	0.2072
495553	3763938	0.00521	0.13	0.00209	0.08	0.2095
496553	3763938	0.00492	0.13	0.00262	0.10	0.2214
497553	3763938	0.00605	0.15	0.00265	0.10	0.2514
498553	3763938	0.00329	0.08	0.00162	0.06	0.1432
499553	3763938	0.00321	0.08	0.00253	0.09	0.1744
500553	3763938	0.00475	0.12	0.00249	0.09	0.2123
501553	3763938	0.00499	0.13	0.00179	0.07	0.1929
502553	3763938	0.00334	0.09	0.00113	0.04	0.1267
503553	3763938	0.0024	0.06	0.00118	0.04	0.1044
504553	3763938	0.0025	0.06	0.00118	0.04	0.1070
505553	3763938	0.00172	0.04	0.00078	0.03	0.0724
461553	3764938	0.00296	0.08	0.00155	0.06	0.1323
462553	3764938	0.0031	0.08	0.00142	0.05	0.1311
463553	3764938	0.0034	0.09	0.00135	0.05	0.1362
464553	3764938	0.00345	0.09	0.00144	0.05	0.1408
465553	3764938	0.00334	0.09	0.00151	0.06	0.1405
466553	3764938	0.00361	0.09	0.00148	0.05	0.1463
467553	3764938	0.00397	0.10	0.00162	0.06	0.1606
468553	3764938	0.00423	0.11	0.00178	0.06	0.1731
469553	3764938	0.00381	0.10	0.00188	0.07	0.1660
470553	3764938	0.0044	0.11	0.00162	0.06	0.1716
471553	3764938	0.00441	0.11	0.00205	0.07	0.1876
472553	3764938	0.00482	0.12	0.00223	0.08	0.2046
473553	3764938	0.00414	0.11	0.00188	0.07	0.1745
474553	3764938	0.00536	0.14	0.00203	0.07	0.2112
475553	3764938	0.00692	0.18	0.00286	0.10	0.2813
476553	3764938	0.0077	0.20	0.00341	0.12	0.3213
477553	3764938	0.00681	0.17	0.00348	0.13	0.3011

478553	3764938	0.00621	0.16	0.0031	0.11	0.2719
479553	3764938	0.00626	0.16	0.00216	0.08	0.2389
480553	3764938	0.00594	0.15	0.00299	0.11	0.2610
481553	3764938	0.00613	0.16	0.00259	0.09	0.2513
482553	3764938	0.00541	0.14	0.00276	0.10	0.2391
483553	3764938	0.00856	0.22	0.00311	0.11	0.3324
484553	3764938	0.00935	0.24	0.00415	0.15	0.3905
485553	3764938	0.00794	0.20	0.00383	0.14	0.3428
486553	3764938	0.00807	0.21	0.00377	0.14	0.3439
487553	3764938	0.00678	0.17	0.00316	0.12	0.2887
488553	3764938	0.00943	0.24	0.00515	0.19	0.4291
489553	3764938	0.00953	0.24	0.0042	0.15	0.3970
490553	3764938	0.00639	0.16	0.00322	0.12	0.2809
491553	3764938	0.00907	0.23	0.00366	0.13	0.3655
492553	3764938	0.00648	0.17	0.00333	0.12	0.2872
493553	3764938	0.00456	0.12	0.00195	0.07	0.1878
494553	3764938	0.00608	0.16	0.00279	0.10	0.2573
495553	3764938	0.00406	0.10	0.00229	0.08	0.1874
496553	3764938	0.00425	0.11	0.0019	0.07	0.1780
497553	3764938	0.00432	0.11	0.0023	0.08	0.1944
498553	3764938	0.0052	0.13	0.00255	0.09	0.2260
499553	3764938	0.00333	0.09	0.00136	0.05	0.1348
500553	3764938	0.00273	0.07	0.00181	0.07	0.1359
501553	3764938	0.00368	0.09	0.00174	0.06	0.1576
502553	3764938	0.00206	0.05	0.00102	0.04	0.0899
503553	3764938	0.00217	0.06	0.00104	0.04	0.0934
504553	3764938	0.00202	0.05	0.00095	0.03	0.0863
505553	3764938	0.00177	0.05	0.00065	0.02	0.0690
461553	3765938	0.00309	0.08	0.00124	0.05	0.1243
462553	3765938	0.00348	0.09	0.00145	0.05	0.1419
463553	3765938	0.00317	0.08	0.00142	0.05	0.1329
464553	3765938	0.00327	0.08	0.0014	0.05	0.1347
465553	3765938	0.00378	0.10	0.00146	0.05	0.1499
466553	3765938	0.00373	0.10	0.00164	0.06	0.1552
467553	3765938	0.00391	0.10	0.00171	0.06	0.1624
468553	3765938	0.00389	0.10	0.00182	0.07	0.1659
469553	3765938	0.0042	0.11	0.00168	0.06	0.1687
470553	3765938	0.00382	0.10	0.00187	0.07	0.1659
471553	3765938	0.0037	0.09	0.00175	0.06	0.1585
472553	3765938	0.00387	0.10	0.00161	0.06	0.1577
473553	3765938	0.00476	0.12	0.00182	0.07	0.1881
474553	3765938	0.00594	0.15	0.00246	0.09	0.2417
475553	3765938	0.00667	0.17	0.00294	0.11	0.2779
476553	3765938	0.00671	0.17	0.0031	0.11	0.2847
477553	3765938	0.0057	0.15	0.00284	0.10	0.2494
478553	3765938	0.00436	0.11	0.00204	0.07	0.1859
479553	3765938	0.00619	0.16	0.00289	0.11	0.2638
480553	3765938	0.00462	0.12	0.00207	0.08	0.1937
481553	3765938	0.00602	0.15	0.00264	0.10	0.2503
482553	3765938	0.00487	0.12	0.002	0.07	0.1975
483553	3765938	0.00659	0.17	0.00298	0.11	0.2773
484553	3765938	0.0091	0.23	0.00344	0.13	0.3583
485553	3765938	0.00795	0.20	0.00348	0.13	0.3303
486553	3765938	0.00776	0.20	0.00357	0.13	0.3287
487553	3765938	0.00759	0.19	0.00352	0.13	0.3225
488553	3765938	0.00722	0.18	0.00351	0.13	0.3127
489553	3765938	0.00789	0.20	0.00376	0.14	0.3390
490553	3765938	0.00668	0.17	0.003	0.11	0.2803
491553	3765938	0.00739	0.19	0.00395	0.14	0.3331
492553	3765938	0.00477	0.12	0.00266	0.10	0.2190
493553	3765938	0.00601	0.15	0.00253	0.09	0.2460
494553	3765938	0.00367	0.09	0.00196	0.07	0.1654
495553	3765938	0.00555	0.14	0.00198	0.07	0.2142
496553	3765938	0.00373	0.10	0.00202	0.07	0.1691
497553	3765938	0.00345	0.09	0.00172	0.06	0.1510
498553	3765938	0.00296	0.08	0.002	0.07	0.1487
499553	3765938	0.00368	0.09	0.002	0.07	0.1671
500553	3765938	0.00317	0.08	0.00111	0.04	0.1216
501553	3765938	0.00224	0.06	0.00109	0.04	0.0971
502553	3765938	0.00151	0.04	0.00069	0.03	0.0638
503553	3765938	0.00123	0.03	0.00056	0.02	0.0519

504553	3765938	0.00118	0.03	0.00053	0.02	0.0495
505553	3765938	0.00163	0.04	0.00068	0.02	0.0665
461553	3766938	0.00304	0.08	0.00135	0.05	0.1270
462553	3766938	0.00296	0.08	0.00132	0.05	0.1239
463553	3766938	0.00351	0.09	0.0013	0.05	0.1372
464553	3766938	0.0035	0.09	0.00155	0.06	0.1461
465553	3766938	0.00375	0.10	0.00151	0.06	0.1510
466553	3766938	0.00326	0.08	0.00163	0.06	0.1428
467553	3766938	0.00369	0.09	0.00136	0.05	0.1440
468553	3766938	0.00422	0.11	0.00184	0.07	0.1751
469553	3766938	0.00356	0.09	0.00164	0.06	0.1509
470553	3766938	0.00317	0.08	0.00158	0.06	0.1387
471553	3766938	0.00334	0.09	0.00129	0.05	0.1325
472553	3766938	0.00436	0.11	0.00168	0.06	0.1728
473553	3766938	0.0051	0.13	0.0021	0.08	0.2071
474553	3766938	0.00569	0.15	0.00248	0.09	0.2360
475553	3766938	0.00582	0.15	0.00263	0.10	0.2448
476553	3766938	0.00512	0.13	0.00245	0.09	0.2203
477553	3766938	0.00369	0.09	0.00197	0.07	0.1662
478553	3766938	0.0055	0.14	0.00218	0.08	0.2202
479553	3766938	0.00437	0.11	0.00225	0.08	0.1939
480553	3766938	0.00498	0.13	0.00209	0.08	0.2036
481553	3766938	0.00511	0.13	0.00248	0.09	0.2212
482553	3766938	0.00479	0.12	0.00204	0.07	0.1969
483553	3766938	0.00549	0.14	0.00257	0.09	0.2342
484553	3766938	0.00636	0.16	0.0028	0.10	0.2648
485553	3766938	0.00652	0.17	0.00298	0.11	0.2755
486553	3766938	0.00784	0.20	0.0035	0.13	0.3282
487553	3766938	0.0084	0.21	0.00414	0.15	0.3659
488553	3766938	0.00714	0.18	0.00331	0.12	0.3034
489553	3766938	0.01014	0.26	0.00424	0.15	0.4140
490553	3766938	0.00535	0.14	0.00245	0.09	0.2262
491553	3766938	0.00457	0.12	0.0023	0.08	0.2008
492553	3766938	0.00585	0.15	0.00213	0.08	0.2273
493553	3766938	0.00472	0.12	0.00264	0.10	0.2170
494553	3766938	0.00407	0.10	0.00181	0.07	0.1701
495553	3766938	0.00349	0.09	0.00237	0.09	0.1757
496553	3766938	0.00431	0.11	0.00166	0.06	0.1708
497553	3766938	0.00355	0.09	0.00175	0.06	0.1546
498553	3766938	0.00288	0.07	0.00136	0.05	0.1233
499553	3766938	0.00258	0.07	0.00173	0.06	0.1291
500553	3766938	0.00395	0.10	0.00209	0.08	0.1773
501553	3766938	0.00289	0.07	0.00091	0.03	0.1071
502553	3766938	0.00117	0.03	0.00044	0.02	0.0460
503553	3766938	0.00106	0.03	0.00047	0.02	0.0443
504553	3766938	0.00105	0.03	0.0005	0.02	0.0451
505553	3766938	0.00096	0.02	0.00047	0.02	0.0417
461553	3767938	0.00327	0.08	0.00124	0.05	0.1289
462553	3767938	0.00344	0.09	0.00144	0.05	0.1405
463553	3767938	0.00356	0.09	0.0015	0.05	0.1458
464553	3767938	0.00347	0.09	0.00157	0.06	0.1460
465553	3767938	0.00315	0.08	0.00148	0.05	0.1346
466553	3767938	0.0037	0.09	0.00144	0.05	0.1472
467553	3767938	0.00348	0.09	0.00163	0.06	0.1485
468553	3767938	0.00333	0.09	0.00143	0.05	0.1373
469553	3767938	0.00274	0.07	0.00142	0.05	0.1219
470553	3767938	0.00307	0.08	0.00121	0.04	0.1227
471553	3767938	0.0039	0.10	0.00152	0.06	0.1552
472553	3767938	0.00457	0.12	0.00189	0.07	0.1858
473553	3767938	0.00489	0.13	0.00212	0.08	0.2024
474553	3767938	0.00496	0.13	0.00221	0.08	0.2075
475553	3767938	0.00474	0.12	0.00219	0.08	0.2011
476553	3767938	0.00372	0.10	0.00188	0.07	0.1637
477553	3767938	0.00432	0.11	0.00146	0.05	0.1638
478553	3767938	0.00482	0.12	0.00234	0.09	0.2086
479553	3767938	0.00379	0.10	0.0016	0.06	0.1553
480553	3767938	0.00475	0.12	0.00207	0.08	0.1970
481553	3767938	0.00372	0.10	0.00194	0.07	0.1659
482553	3767938	0.00514	0.13	0.00216	0.08	0.2103
483553	3767938	0.0045	0.12	0.00212	0.08	0.1924
484553	3767938	0.00569	0.15	0.00263	0.10	0.2415

485553	3767938	0.00599	0.15	0.00264	0.10	0.2495
486553	3767938	0.00605	0.15	0.00272	0.10	0.2540
487553	3767938	0.00823	0.21	0.00327	0.12	0.3298
488553	3767938	0.0088	0.23	0.00395	0.14	0.3692
489553	3767938	0.01165	0.30	0.00569	0.21	0.5056
490553	3767938	0.00581	0.15	0.00277	0.10	0.2497
491553	3767938	0.00414	0.11	0.00203	0.07	0.1799
492553	3767938	0.00583	0.15	0.00279	0.10	0.2509
493553	3767938	0.00282	0.07	0.0017	0.06	0.1341
494553	3767938	0.00489	0.13	0.00198	0.07	0.1973
495553	3767938	0.00309	0.08	0.00154	0.06	0.1352
496553	3767938	0.00418	0.11	0.00224	0.08	0.1886
497553	3767938	0.00311	0.08	0.0014	0.05	0.1306
498553	3767938	0.00336	0.09	0.00151	0.06	0.1410
499553	3767938	0.00259	0.07	0.00121	0.04	0.1104
500553	3767938	0.00234	0.06	0.00154	0.06	0.1160
501553	3767938	0.00332	0.08	0.00176	0.06	0.1491
502553	3767938	0.00165	0.04	0.00082	0.03	0.0721
503553	3767938	0.00155	0.04	0.00068	0.02	0.0645
504553	3767938	0.00114	0.03	0.00055	0.02	0.0492
505553	3767938	0.00066	0.02	0.00027	0.01	0.0267
484551.7	3750934	0.07127	1.82	0.02694	0.98	2.8057
484651.7	3750934	0.07728	1.98	0.02739	1.00	2.9759
484751.7	3750934	0.06032	1.54	0.0197	0.72	2.2615
484851.7	3750934	0.0517	1.32	0.01864	0.68	2.0024
484951.7	3750934	0.04575	1.17	0.01873	0.68	1.8535
485051.7	3750934	0.04577	1.17	0.01756	0.64	1.8113
485151.7	3750934	0.04893	1.25	0.01589	0.58	1.8312
485251.7	3750934	0.04996	1.28	0.0143	0.52	1.7996
485351.7	3750934	0.04833	1.24	0.01275	0.47	1.7013
485451.7	3750934	0.04433	1.13	0.01393	0.51	1.6420
484551.7	3751034	0.07093	1.81	0.02789	1.02	2.8317
484651.7	3751034	0.08009	2.05	0.02723	0.99	3.0419
484751.7	3751034	0.07675	1.96	0.02744	1.00	2.9641
484851.7	3751034	0.05967	1.53	0.02022	0.74	2.2639
484951.7	3751034	0.05854	1.50	0.02291	0.84	2.3331
485051.7	3751034	0.04823	1.23	0.02012	0.73	1.9676
485151.7	3751034	0.0491	1.26	0.01744	0.64	1.8921
485251.7	3751034	0.05185	1.33	0.01561	0.57	1.8957
485351.7	3751034	0.05162	1.32	0.01382	0.50	1.8245
485451.7	3751034	0.04876	1.25	0.01398	0.51	1.7572
484551.7	3751134	0.06417	1.64	0.02947	1.08	2.7164
484651.7	3751134	0.07651	1.96	0.02785	1.02	2.9729
484751.7	3751134	0.0852	2.18	0.02814	1.03	3.2058
484851.7	3751134	0.0774	1.98	0.02753	1.00	2.9840
484951.7	3751134	0.07067	1.81	0.02675	0.98	2.7834
485051.7	3751134	0.05704	1.46	0.02336	0.85	2.3111
485151.7	3751134	0.04991	1.28	0.01996	0.73	2.0047
485251.7	3751134	0.05287	1.35	0.01723	0.63	1.9809
485351.7	3751134	0.05434	1.39	0.0153	0.56	1.9481
485451.7	3751134	0.05278	1.35	0.01395	0.51	1.8589
484551.7	3751234	0.05629	1.44	0.0278	1.01	2.4539
484651.7	3751234	0.07012	1.79	0.02731	1.00	2.7898
484751.7	3751234	0.0821	2.10	0.02865	1.05	3.1451
484851.7	3751234	0.08873	2.27	0.03052	1.11	3.3829
484951.7	3751234	0.08628	2.21	0.03088	1.13	3.3334
485051.7	3751234	0.07072	1.81	0.02803	1.02	2.8314
485151.7	3751234	0.05204	1.33	0.02149	0.78	2.1150
485251.7	3751234	0.05317	1.36	0.01883	0.69	2.0469
485351.7	3751234	0.05629	1.44	0.01689	0.62	2.0559
485451.7	3751234	0.05619	1.44	0.01484	0.54	1.9786
484551.7	3751334	0.0481	1.23	0.02855	1.04	2.2718
484651.7	3751334	0.06198	1.59	0.02894	1.06	2.6410
484751.7	3751334	0.07639	1.95	0.02805	1.02	2.9772
484851.7	3751334	0.08801	2.25	0.03011	1.10	3.3495
484951.7	3751334	0.0946	2.42	0.03086	1.13	3.5455
485051.7	3751334	0.08762	2.24	0.0328	1.20	3.4377
485151.7	3751334	0.06423	1.64	0.02578	0.94	2.5833
485251.7	3751334	0.05414	1.38	0.02023	0.74	2.1228
485351.7	3751334	0.05745	1.47	0.01883	0.69	2.1564
485451.7	3751334	0.05906	1.51	0.01651	0.60	2.1129

484551.7	3751434	0.04169	1.07	0.02865	1.05	2.1115
484651.7	3751434	0.05319	1.36	0.03004	1.10	2.4563
484751.7	3751434	0.06833	1.75	0.03006	1.10	2.8443
484851.7	3751434	0.0831	2.13	0.0287	1.05	3.1725
484951.7	3751434	0.09442	2.42	0.03056	1.11	3.5299
485051.7	3751434	0.09684	2.48	0.03348	1.22	3.6983
485151.7	3751434	0.0813	2.08	0.03211	1.17	3.2509
485251.7	3751434	0.05932	1.52	0.02438	0.89	2.4067
485351.7	3751434	0.05761	1.47	0.02053	0.75	2.2225
485451.7	3751434	0.0614	1.57	0.01843	0.67	2.2428
484551.7	3751534	0.04024	1.03	0.02802	1.02	2.0514
484651.7	3751534	0.04588	1.17	0.03036	1.11	2.2810
484751.7	3751534	0.05909	1.51	0.03152	1.15	2.6612
484851.7	3751534	0.07474	1.91	0.03108	1.13	3.0455
484951.7	3751534	0.08976	2.30	0.02925	1.07	3.3629
485051.7	3751534	0.09935	2.54	0.02785	1.02	3.5572
485151.7	3751534	0.10385	2.66	0.03448	1.26	3.9141
485251.7	3751534	0.08585	2.20	0.03527	1.29	3.4825
485351.7	3751534	0.06009	1.54	0.02561	0.93	2.4712
485451.7	3751534	0.0626	1.60	0.0206	0.75	2.3527
484551.7	3751634	0.04539	1.16	0.02669	0.97	2.1346
484651.7	3751634	0.04292	1.10	0.03006	1.10	2.1944
484751.7	3751634	0.05061	1.29	0.03212	1.17	2.4662
484851.7	3751634	0.06342	1.62	0.03278	1.20	2.8180
484951.7	3751634	0.07959	2.04	0.03192	1.16	3.2002
485051.7	3751634	0.0864	2.21	0.02944	1.07	3.2839
485151.7	3751634	0.10447	2.67	0.03015	1.10	3.7720
485251.7	3751634	0.1081	2.77	0.03644	1.33	4.0943
485351.7	3751634	0.0933	2.39	0.03863	1.41	3.7956
485451.7	3751634	0.06693	1.71	0.03025	1.10	2.8154
484551.7	3751734	0.05065	1.30	0.02463	0.90	2.1940
484651.7	3751734	0.04826	1.23	0.02867	1.05	2.2803
484751.7	3751734	0.0459	1.17	0.03209	1.17	2.3446
484851.7	3751734	0.05598	1.43	0.03392	1.24	2.6692
484951.7	3751734	0.0698	1.79	0.03399	1.24	3.0253
485051.7	3751734	0.08297	2.12	0.03259	1.19	3.3111
485151.7	3751734	0.09353	2.39	0.03024	1.10	3.4955
485251.7	3751734	0.11108	2.84	0.03268	1.19	4.0334
485351.7	3751734	0.11169	2.86	0.03879	1.41	4.2719
485451.7	3751734	0.09592	2.45	0.04039	1.47	3.9269
484551.7	3751834	0.05749	1.47	0.02187	0.80	2.2683
484651.7	3751834	0.05534	1.42	0.02662	0.97	2.3866
484751.7	3751834	0.05231	1.34	0.03078	1.12	2.4608
484851.7	3751834	0.049	1.25	0.03394	1.24	2.4914
484951.7	3751834	0.06163	1.58	0.0352	1.28	2.8604
485051.7	3751834	0.07689	1.97	0.03519	1.28	3.2504
485151.7	3751834	0.09082	2.32	0.03335	1.22	3.5396
485251.7	3751834	0.11039	2.82	0.03319	1.21	4.0343
485351.7	3751834	0.11938	3.05	0.03547	1.29	4.3475
485451.7	3751834	0.11326	2.90	0.04208	1.53	4.4320
484551.7	3751934	0.06471	1.66	0.01895	0.69	2.3465
484651.7	3751934	0.06335	1.62	0.02403	0.88	2.4970
484751.7	3751934	0.0611	1.56	0.02902	1.06	2.6215
484851.7	3751934	0.05763	1.47	0.03309	1.21	2.6812
484951.7	3751934	0.05351	1.37	0.0359	1.31	2.6783
485051.7	3751934	0.06862	1.76	0.03713	1.35	3.1096
485151.7	3751934	0.08507	2.18	0.03653	1.33	3.5085
485251.7	3751934	0.0995	2.55	0.03383	1.23	3.7791
485351.7	3751934	0.11757	3.01	0.03611	1.32	4.3245
485451.7	3751934	0.12529	3.20	0.03825	1.40	4.6001
484551.7	3752034	0.07204	1.84	0.01666	0.61	2.4504
484651.7	3752034	0.07181	1.84	0.02114	0.77	2.6080
484751.7	3752034	0.06974	1.78	0.02633	0.96	2.7443
484851.7	3752034	0.06751	1.73	0.03154	1.15	2.8773
484951.7	3752034	0.0644	1.65	0.03593	1.31	2.9579
485051.7	3752034	0.05938	1.52	0.03813	1.39	2.9098
485151.7	3752034	0.07646	1.96	0.03891	1.42	3.3751
485251.7	3752034	0.0942	2.41	0.0376	1.37	3.7811
485351.7	3752034	0.10913	2.79	0.03651	1.33	4.1232
485451.7	3752034	0.13008	3.33	0.03964	1.45	4.7733
484551.7	3752134	0.077	1.97	0.01856	0.68	2.6466

484651.7	3752134	0.07869	2.01	0.01767	0.64	2.6574
484751.7	3752134	0.07886	2.02	0.02329	0.85	2.8667
484851.7	3752134	0.07783	1.99	0.02919	1.06	3.0556
484951.7	3752134	0.07553	1.93	0.03457	1.26	3.1930
485051.7	3752134	0.07155	1.83	0.03847	1.40	3.2335
485151.7	3752134	0.06667	1.71	0.04065	1.48	3.1882
485251.7	3752134	0.0858	2.19	0.04092	1.49	3.6873
485351.7	3752134	0.10478	2.68	0.03888	1.42	4.0984
485451.7	3752134	0.11979	3.06	0.04013	1.46	4.5279
484551.7	3752234	0.08117	2.08	0.02104	0.77	2.8437
484651.7	3752234	0.08419	2.15	0.01988	0.73	2.8787
484751.7	3752234	0.08684	2.22	0.0197	0.72	2.9399
484851.7	3752234	0.08713	2.23	0.02582	0.94	3.1705
484951.7	3752234	0.08631	2.21	0.03203	1.17	3.3761
485051.7	3752234	0.08267	2.11	0.03689	1.35	3.4603
485151.7	3752234	0.08063	2.06	0.04154	1.52	3.5777
485251.7	3752234	0.07483	1.91	0.04289	1.56	3.4786
485351.7	3752234	0.09603	2.46	0.04238	1.55	4.0023
485451.7	3752234	0.11664	2.98	0.04051	1.48	4.4612
484551.7	3752334	0.08403	2.15	0.02301	0.84	2.9887
484651.7	3752334	0.08895	2.28	0.02275	0.83	3.1051
484751.7	3752334	0.09269	2.37	0.02147	0.78	3.1541
484851.7	3752334	0.09518	2.43	0.02186	0.80	3.2320
484951.7	3752334	0.09699	2.48	0.02879	1.05	3.5311
485051.7	3752334	0.0967	2.47	0.03539	1.29	3.7644
485151.7	3752334	0.09522	2.44	0.04113	1.50	3.9360
485251.7	3752334	0.09113	2.33	0.04453	1.62	3.9554
485351.7	3752334	0.08568	2.19	0.04573	1.67	3.8597
485451.7	3752334	0.10826	2.77	0.04398	1.60	4.3735
484551.7	3752434	0.08497	2.17	0.02596	0.95	3.1204
484651.7	3752434	0.09154	2.34	0.02502	0.91	3.2542
484751.7	3752434	0.09692	2.48	0.02445	0.89	3.3710
484851.7	3752434	0.10201	2.61	0.02317	0.85	3.4545
484951.7	3752434	0.10568	2.70	0.02462	0.90	3.6013
485051.7	3752434	0.10722	2.74	0.03181	1.16	3.9029
485151.7	3752434	0.10962	2.80	0.03943	1.44	4.2423
485251.7	3752434	0.10723	2.74	0.04448	1.62	4.3654
485351.7	3752434	0.10446	2.67	0.04797	1.75	4.4218
485451.7	3752434	0.09838	2.52	0.04824	1.76	4.2761
484551.7	3752534	0.0846	2.16	0.02971	1.08	3.2477
484651.7	3752534	0.09154	2.34	0.0288	1.05	3.3920
484751.7	3752534	0.09788	2.50	0.02719	0.99	3.4955
484851.7	3752534	0.10581	2.71	0.0263	0.96	3.6659
484951.7	3752534	0.11184	2.86	0.02485	0.91	3.7672
485051.7	3752534	0.11749	3.01	0.02777	1.01	4.0182
485151.7	3752534	0.12208	3.12	0.03619	1.32	4.4428
485251.7	3752534	0.12357	3.16	0.04337	1.58	4.7428
485351.7	3752534	0.12345	3.16	0.04878	1.78	4.9371
485451.7	3752534	0.12033	3.08	0.05127	1.87	4.9481
484551.7	3752634	0.08277	2.12	0.03321	1.21	3.3286
484651.7	3752634	0.09037	2.31	0.03278	1.20	3.5073
484751.7	3752634	0.09906	2.53	0.03229	1.18	3.7117
484851.7	3752634	0.10753	2.75	0.03087	1.13	3.8766
484951.7	3752634	0.11577	2.96	0.02881	1.05	4.0122
485051.7	3752634	0.12501	3.20	0.0274	1.00	4.1971
485151.7	3752634	0.13247	3.39	0.03191	1.16	4.5524
485251.7	3752634	0.13817	3.53	0.04078	1.49	5.0218
485351.7	3752634	0.14139	3.62	0.0481	1.75	5.3712
485451.7	3752634	0.14307	3.66	0.05324	1.94	5.6016
484551.7	3752734	0.07935	2.03	0.03574	1.30	3.3334
484651.7	3752734	0.08784	2.25	0.03657	1.33	3.5808
484751.7	3752734	0.09672	2.47	0.03637	1.33	3.8007
484851.7	3752734	0.10653	2.72	0.03575	1.30	4.0290
484951.7	3752734	0.11681	2.99	0.03438	1.25	4.2420
485051.7	3752734	0.12783	3.27	0.03263	1.19	4.4600
485151.7	3752734	0.13758	3.52	0.02964	1.08	4.6003
485251.7	3752734	0.14801	3.79	0.03601	1.31	5.0995
485351.7	3752734	0.15646	4.00	0.04564	1.66	5.6669
485451.7	3752734	0.16331	4.18	0.05337	1.95	6.1241
484551.7	3752834	0.07512	1.92	0.03761	1.37	3.2934
484651.7	3752834	0.08347	2.14	0.03918	1.43	3.5643

484751.7	3752834	0.09309	2.38	0.04041	1.47	3.8552
484851.7	3752834	0.1037	2.65	0.04076	1.49	4.1394
484951.7	3752834	0.11533	2.95	0.04028	1.47	4.4193
485051.7	3752834	0.12767	3.27	0.03886	1.42	4.6832
485151.7	3752834	0.1408	3.60	0.03671	1.34	4.9406
485251.7	3752834	0.15461	3.95	0.03406	1.24	5.1972
485351.7	3752834	0.16702	4.27	0.04111	1.50	5.7718
485451.7	3752834	0.17981	4.60	0.05169	1.89	6.4849
484551.7	3752934	0.06955	1.78	0.03796	1.38	3.1637
484651.7	3752934	0.07771	1.99	0.04062	1.48	3.4695
484751.7	3752934	0.08728	2.23	0.04319	1.58	3.8080
484851.7	3752934	0.098	2.51	0.04457	1.63	4.1325
484951.7	3752934	0.11053	2.83	0.04568	1.67	4.4935
485051.7	3752934	0.12431	3.18	0.04539	1.66	4.8354
485151.7	3752934	0.13954	3.57	0.04423	1.61	5.1827
485251.7	3752934	0.15586	3.99	0.04194	1.53	5.5166
485351.7	3752934	0.17261	4.42	0.03839	1.40	5.8155
485451.7	3752934	0.18924	4.84	0.04702	1.72	6.5557
484551.7	3753034	0.06313	1.61	0.03795	1.38	2.9991
484651.7	3753034	0.07071	1.81	0.04129	1.51	3.3148
484751.7	3753034	0.07954	2.03	0.0448	1.63	3.6687
484851.7	3753034	0.09005	2.30	0.04763	1.74	4.0408
484951.7	3753034	0.1023	2.62	0.05016	1.83	4.4464
485051.7	3753034	0.11664	2.98	0.05146	1.88	4.8607
485151.7	3753034	0.13302	3.40	0.05189	1.89	5.2953
485251.7	3753034	0.15161	3.88	0.05048	1.84	5.7194
485351.7	3753034	0.17193	4.40	0.04805	1.75	6.1505
485451.7	3753034	0.19382	4.96	0.04445	1.62	6.5791
484551.7	3753134	0.0573	1.47	0.03676	1.34	2.8066
484651.7	3753134	0.06152	1.57	0.0406	1.48	3.0546
484751.7	3753134	0.07041	1.80	0.04452	1.62	3.4250
484851.7	3753134	0.07997	2.05	0.04848	1.77	3.8140
484951.7	3753134	0.09125	2.33	0.05273	1.92	4.2575
485051.7	3753134	0.1049	2.68	0.05602	2.04	4.7267
485151.7	3753134	0.12403	3.17	0.05862	2.14	5.3109
485251.7	3753134	0.14061	3.60	0.0589	2.15	5.7452
485351.7	3753134	0.16298	4.17	0.0579	2.11	6.2809
485451.7	3753134	0.18821	4.81	0.05559	2.03	6.8420
484551.7	3753234	0.05565	1.42	0.03477	1.27	2.6918
484651.7	3753234	0.0599	1.53	0.03869	1.41	2.9435
484751.7	3753234	0.06482	1.66	0.04322	1.58	3.2346
484851.7	3753234	0.0702	1.80	0.04823	1.76	3.5550
484951.7	3753234	0.07717	1.97	0.05322	1.94	3.9153
485051.7	3753234	0.09059	2.32	0.05812	2.12	4.4373
485151.7	3753234	0.10542	2.70	0.06282	2.29	4.9881
485251.7	3753234	0.12352	3.16	0.06608	2.41	5.5700
485351.7	3753234	0.14772	3.78	0.06818	2.49	6.2656
485451.7	3753234	0.17182	4.39	0.06773	2.47	6.8656
484551.7	3753334	0.05785	1.48	0.03294	1.20	2.6813
484651.7	3753334	0.0602	1.54	0.03676	1.34	2.8808
484751.7	3753334	0.06346	1.62	0.0411	1.50	3.1225
484851.7	3753334	0.06819	1.74	0.04626	1.69	3.4317
484951.7	3753334	0.07448	1.91	0.05206	1.90	3.8041
485051.7	3753334	0.08144	2.08	0.05851	2.13	4.2175
485151.7	3753334	0.08886	2.27	0.06473	2.36	4.6341
485251.7	3753334	0.10159	2.60	0.07062	2.58	5.1746
485351.7	3753334	0.1215	3.11	0.07592	2.77	5.8772
485451.7	3753334	0.14744	3.77	0.079	2.88	6.6531
484551.7	3753434	0.05989	1.53	0.03106	1.13	2.6649
484651.7	3753434	0.06293	1.61	0.03468	1.27	2.8747
484751.7	3753434	0.06566	1.68	0.03893	1.42	3.0996
484851.7	3753434	0.06844	1.75	0.04389	1.60	3.3516
484951.7	3753434	0.0724	1.85	0.04983	1.82	3.6696
485051.7	3753434	0.07767	1.99	0.05663	2.07	4.0524
485151.7	3753434	0.08605	2.20	0.0641	2.34	4.5393
485251.7	3753434	0.09553	2.44	0.07203	2.63	5.0710
485351.7	3753434	0.10614	2.71	0.08043	2.93	5.6488
485451.7	3753434	0.11807	3.02	0.08769	3.20	6.2188
484551.7	3753534	0.06168	1.58	0.02931	1.07	2.6469
484651.7	3753534	0.06507	1.66	0.03252	1.19	2.8507
484751.7	3753534	0.06903	1.77	0.03641	1.33	3.0939

484851.7	3753534	0.07323	1.87	0.04123	1.50	3.3771
484951.7	3753534	0.07769	1.99	0.04679	1.71	3.6940
485051.7	3753534	0.08266	2.11	0.05334	1.95	4.0601
485151.7	3753534	0.08801	2.25	0.06128	2.24	4.4866
485251.7	3753534	0.09475	2.42	0.07029	2.56	4.9876
485351.7	3753534	0.10543	2.70	0.08108	2.96	5.6544
485451.7	3753534	0.11772	3.01	0.09256	3.38	6.3875
484551.7	3753634	0.06383	1.63	0.02691	0.98	2.6143
484651.7	3753634	0.06756	1.73	0.03005	1.10	2.8243
484751.7	3753634	0.0726	1.86	0.03355	1.22	3.0809
484851.7	3753634	0.07884	2.02	0.03797	1.39	3.4017
484951.7	3753634	0.08591	2.20	0.04315	1.57	3.7715
485051.7	3753634	0.09386	2.40	0.04942	1.80	4.2036
485151.7	3753634	0.10267	2.63	0.05714	2.08	4.7105
485251.7	3753634	0.1125	2.88	0.06661	2.43	5.3074
485351.7	3753634	0.1238	3.17	0.07798	2.84	6.0112
485451.7	3753634	0.13692	3.50	0.09123	3.33	6.8301
484551.7	3753734	0.07082	1.81	0.02483	0.91	2.7172
484651.7	3753734	0.07613	1.95	0.02684	0.98	2.9264
484751.7	3753734	0.08225	2.10	0.02984	1.09	3.1924
484851.7	3753734	0.08845	2.26	0.03388	1.24	3.4983
484951.7	3753734	0.09569	2.45	0.03868	1.41	3.8586
485051.7	3753734	0.1038	2.66	0.04439	1.62	4.2743
485151.7	3753734	0.10918	2.79	0.05169	1.89	4.6782
485251.7	3753734	0.12303	3.15	0.0606	2.21	5.3575
485351.7	3753734	0.14225	3.64	0.07168	2.61	6.2533
485451.7	3753734	0.16592	4.24	0.08574	3.13	7.3717
484551.7	3753834	0.07616	1.95	0.02569	0.94	2.8852
484651.7	3753834	0.08109	2.07	0.02669	0.97	3.0478
484751.7	3753834	0.0869	2.22	0.02849	1.04	3.2621
484851.7	3753834	0.09059	2.32	0.03117	1.14	3.4542
484951.7	3753834	0.1004	2.57	0.03428	1.25	3.8186
485051.7	3753834	0.11147	2.85	0.03782	1.38	4.2309
485151.7	3753834	0.12465	3.19	0.04423	1.61	4.8018
485251.7	3753834	0.14366	3.67	0.05227	1.91	5.5814
485351.7	3753834	0.16977	4.34	0.06214	2.27	6.6093
485451.7	3753834	0.19485	4.98	0.07557	2.76	7.7407
484551.7	3753934	0.07512	1.92	0.03655	1.33	3.2547
484651.7	3753934	0.08285	2.12	0.03553	1.30	3.4153
484751.7	3753934	0.0897	2.29	0.03804	1.39	3.6820
484851.7	3753934	0.09891	2.53	0.03969	1.45	3.9778
484951.7	3753934	0.10923	2.79	0.04213	1.54	4.3308
485051.7	3753934	0.12561	3.21	0.03868	1.41	4.6239
485151.7	3753934	0.14393	3.68	0.0411	1.50	5.1808
485251.7	3753934	0.16017	4.10	0.04574	1.67	5.7655
485351.7	3753934	0.18414	4.71	0.05164	1.88	6.5938
485451.7	3753934	0.21272	5.44	0.06101	2.23	7.6666
484551.7	3754034	0.07676	1.96	0.03709	1.35	3.3164
484651.7	3754034	0.08775	2.24	0.03647	1.33	3.5749
484751.7	3754034	0.09644	2.47	0.03933	1.43	3.9015
484851.7	3754034	0.10772	2.76	0.04156	1.52	4.2714
484951.7	3754034	0.12068	3.09	0.03847	1.40	4.4902
485051.7	3754034	0.13547	3.47	0.0417	1.52	4.9863
485151.7	3754034	0.15704	4.02	0.04543	1.66	5.6741
485251.7	3754034	0.16768	4.29	0.05899	2.15	6.4409
485351.7	3754034	0.19677	5.03	0.05432	1.98	7.0146
485451.7	3754034	0.22081	5.65	0.05977	2.18	7.8283
484551.7	3754134	0.07988	2.04	0.02984	1.09	3.1317
484651.7	3754134	0.09063	2.32	0.03189	1.16	3.4815
484751.7	3754134	0.10021	2.56	0.03474	1.27	3.8305
484851.7	3754134	0.11199	2.86	0.03796	1.38	4.2493
484951.7	3754134	0.12609	3.23	0.04147	1.51	4.7380
485051.7	3754134	0.14218	3.64	0.04331	1.58	5.2167
485151.7	3754134	0.15607	3.99	0.05028	1.83	5.8262
485251.7	3754134	0.16863	4.31	0.05631	2.05	6.3674
485351.7	3754134	0.1924	4.92	0.0589	2.15	7.0699
485451.7	3754134	0.20516	5.25	0.06964	2.54	7.7881
484551.7	3754234	0.08507	2.18	0.03038	1.11	3.2842
484651.7	3754234	0.09257	2.37	0.0328	1.20	3.5643
484751.7	3754234	0.10269	2.63	0.03619	1.32	3.9468
484851.7	3754234	0.11339	2.90	0.04006	1.46	4.3617

484951.7	3754234	0.12513	3.20	0.04455	1.63	4.8258
485051.7	3754234	0.13669	3.50	0.04978	1.82	5.3122
485151.7	3754234	0.15287	3.91	0.05577	2.03	5.9446
485251.7	3754234	0.16387	4.19	0.06309	2.30	6.4930
485351.7	3754234	0.17571	4.49	0.07171	2.62	7.1103
485451.7	3754234	0.185	4.73	0.08232	3.00	7.7349
484551.7	3754334	0.08711	2.23	0.03792	1.38	3.6114
484651.7	3754334	0.09517	2.43	0.04147	1.51	3.9471
484751.7	3754334	0.10273	2.63	0.04554	1.66	4.2889
484851.7	3754334	0.11094	2.84	0.05014	1.83	4.6667
484951.7	3754334	0.12169	3.11	0.05527	2.02	5.1288
485051.7	3754334	0.13232	3.38	0.06101	2.23	5.6101
485151.7	3754334	0.14306	3.66	0.06734	2.46	6.1157
485251.7	3754334	0.14692	3.76	0.07558	2.76	6.5150
485351.7	3754334	0.1553	3.97	0.08407	3.07	7.0391
485451.7	3754334	0.15928	4.07	0.09426	3.44	7.5126
484551.7	3754434	0.08619	2.20	0.04313	1.57	3.7779
484651.7	3754434	0.0936	2.39	0.04656	1.70	4.0926
484751.7	3754434	0.10174	2.60	0.05024	1.83	4.4350
484851.7	3754434	0.11009	2.82	0.0542	1.98	4.7931
484951.7	3754434	0.11382	2.91	0.05876	2.14	5.0548
485051.7	3754434	0.12218	3.13	0.06334	2.31	5.4357
485151.7	3754434	0.12695	3.25	0.06821	2.49	5.7354
485251.7	3754434	0.1315	3.36	0.07431	2.71	6.0743
485351.7	3754434	0.13605	3.48	0.08602	3.14	6.6178
485451.7	3754434	0.13591	3.48	0.10075	3.68	7.1516
484551.7	3754534	0.0851	2.18	0.0429	1.56	3.7417
484651.7	3754534	0.09008	2.30	0.04516	1.65	3.9515
484751.7	3754534	0.10038	2.57	0.04906	1.79	4.3572
484851.7	3754534	0.10565	2.70	0.05421	1.98	4.6799
484951.7	3754534	0.10885	2.78	0.0597	2.18	4.9620
485051.7	3754534	0.10791	2.76	0.06508	2.37	5.1342
485151.7	3754534	0.11303	2.89	0.07019	2.56	5.4516
485251.7	3754534	0.11284	2.89	0.07565	2.76	5.6459
485351.7	3754534	0.11205	2.87	0.08889	3.24	6.1086
485451.7	3754534	0.12923	3.31	0.10682	3.90	7.2021
484551.7	3754634	0.08492	2.17	0.04529	1.65	3.8242
484651.7	3754634	0.08963	2.29	0.04865	1.77	4.0673
484751.7	3754634	0.09577	2.45	0.05176	1.89	4.3378
484851.7	3754634	0.09607	2.46	0.05469	1.99	4.4523
484951.7	3754634	0.0944	2.41	0.05663	2.07	4.4804
485051.7	3754634	0.0977	2.50	0.05868	2.14	4.6396
485151.7	3754634	0.09712	2.48	0.06766	2.47	4.9523
485251.7	3754634	0.09469	2.42	0.07944	2.90	5.3199
485351.7	3754634	0.10766	2.75	0.09185	3.35	6.1043
485451.7	3754634	0.1283	3.28	0.10634	3.88	7.1608
485549.5	3750935	0.03906	1.00	0.01543	0.56	1.5620
485649.5	3750935	0.03913	1.00	0.01605	0.59	1.5864
485749.5	3750935	0.04308	1.10	0.01548	0.56	1.6666
485849.5	3750935	0.04447	1.14	0.01387	0.51	1.6434
485549.5	3751035	0.04362	1.12	0.01549	0.57	1.6808
485649.5	3751035	0.03891	1.00	0.01655	0.60	1.5990
485749.5	3751035	0.04367	1.12	0.0164	0.60	1.7153
485849.5	3751035	0.04615	1.18	0.01503	0.55	1.7287
485549.5	3751135	0.04873	1.25	0.01545	0.56	1.8100
485649.5	3751135	0.04287	1.10	0.01689	0.62	1.7127
485749.5	3751135	0.0441	1.13	0.01721	0.63	1.7558
485849.5	3751135	0.04748	1.21	0.01619	0.59	1.8051
485549.5	3751235	0.05349	1.37	0.01532	0.56	1.9271
485649.5	3751235	0.04801	1.23	0.01708	0.62	1.8511
485749.5	3751235	0.0443	1.13	0.0179	0.65	1.7861
485849.5	3751235	0.04861	1.24	0.01733	0.63	1.8755
485549.5	3751335	0.05778	1.48	0.0153	0.56	2.0361
485649.5	3751335	0.05381	1.38	0.01717	0.63	2.0027
485749.5	3751335	0.04774	1.22	0.01846	0.67	1.8945
485849.5	3751335	0.04963	1.27	0.01841	0.67	1.9410
485549.5	3751435	0.06182	1.58	0.0162	0.59	2.1722
485649.5	3751435	0.05924	1.52	0.01721	0.63	2.1431
485749.5	3751435	0.05376	1.38	0.01891	0.69	2.0649
485849.5	3751435	0.05043	1.29	0.01934	0.71	1.9954
485549.5	3751535	0.06503	1.66	0.01813	0.66	2.3247

485649.5	3751535	0.06418	1.64	0.01728	0.63	2.2720
485749.5	3751535	0.06027	1.54	0.01922	0.70	2.2427
485849.5	3751535	0.05385	1.38	0.02012	0.73	2.1114
485549.5	3751635	0.06887	1.76	0.02489	0.91	2.6695
485649.5	3751635	0.06848	1.75	0.01997	0.73	2.4801
485749.5	3751635	0.06609	1.69	0.01946	0.71	2.4004
485849.5	3751635	0.06071	1.55	0.02075	0.76	2.3098
485549.5	3751735	0.08832	2.26	0.03702	1.35	3.6095
485649.5	3751735	0.08975	2.30	0.03293	1.20	3.4969
485749.5	3751735	0.07268	1.86	0.02356	0.86	2.7185
485849.5	3751735	0.06782	1.73	0.02129	0.78	2.5114
485549.5	3751835	0.10815	2.77	0.04171	1.52	4.2878
485649.5	3751835	0.09777	2.50	0.03779	1.38	3.8793
485749.5	3751835	0.08789	2.25	0.0304	1.11	3.3571
485849.5	3751835	0.07558	1.93	0.02475	0.90	2.8361
485549.5	3751935	0.11713	3.00	0.04386	1.60	4.5960
485649.5	3751935	0.12627	3.23	0.04215	1.54	4.7674
485749.5	3751935	0.12309	3.15	0.03957	1.44	4.5919
485849.5	3751935	0.09951	2.55	0.03601	1.31	3.8589
485549.5	3752035	0.13097	3.35	0.04114	1.50	4.8508
485649.5	3752035	0.13173	3.37	0.04127	1.51	4.8749
485749.5	3752035	0.14087	3.60	0.04292	1.57	5.1689
485849.5	3752035	0.12323	3.15	0.03937	1.44	4.5882
485549.5	3752135	0.13719	3.51	0.04279	1.56	5.0700
485649.5	3752135	0.13862	3.55	0.04393	1.60	5.1482
485749.5	3752135	0.15102	3.86	0.04345	1.58	5.4479
485849.5	3752135	0.1585	4.05	0.04152	1.51	5.5688
485549.5	3752235	0.13135	3.36	0.04395	1.60	4.9630
485649.5	3752235	0.14538	3.72	0.04614	1.68	5.4017
485749.5	3752235	0.15157	3.88	0.04638	1.69	5.5688
485849.5	3752235	0.16679	4.27	0.04558	1.66	5.9290
485549.5	3752335	0.1297	3.32	0.04462	1.63	4.9452
485649.5	3752335	0.14449	3.70	0.04776	1.74	5.4381
485749.5	3752335	0.14871	3.80	0.04936	1.80	5.6044
485849.5	3752335	0.17539	4.49	0.04963	1.81	6.2967
485549.5	3752435	0.12196	3.12	0.04558	1.66	4.7823
485649.5	3752435	0.14455	3.70	0.04845	1.77	5.4648
485749.5	3752435	0.15863	4.06	0.05139	1.87	5.9322
485849.5	3752435	0.16638	4.26	0.05275	1.92	6.1800
485549.5	3752535	0.11425	2.92	0.05064	1.85	4.7696
485649.5	3752535	0.13833	3.54	0.04964	1.81	5.3491
485749.5	3752535	0.16211	4.15	0.05315	1.94	6.0854
485849.5	3752535	0.1738	4.45	0.05515	2.01	6.4574
485549.5	3752635	0.1408	3.60	0.05478	2.00	5.5998
485649.5	3752635	0.13402	3.43	0.0529	1.93	5.3578
485749.5	3752635	0.15898	4.07	0.05623	2.05	6.1177
485849.5	3752635	0.18353	4.69	0.05893	2.15	6.8441
485549.5	3752735	0.16806	4.30	0.05812	2.12	6.4189
485649.5	3752735	0.16652	4.26	0.05821	2.12	6.3828
485749.5	3752735	0.15983	4.09	0.05812	2.12	6.2084
485849.5	3752735	0.18336	4.69	0.06249	2.28	6.9696
485549.5	3752835	0.1911	4.89	0.05934	2.16	7.0527
485649.5	3752835	0.1981	5.07	0.06232	2.27	7.3405
485749.5	3752835	0.20053	5.13	0.06165	2.25	7.3782
485849.5	3752835	0.19486	4.98	0.06626	2.42	7.4013
485549.5	3752935	0.20737	5.30	0.05814	2.12	7.4251
485649.5	3752935	0.22451	5.74	0.06515	2.38	8.1192
485749.5	3752935	0.23742	6.07	0.06655	2.43	8.5005
485849.5	3752935	0.24612	6.30	0.06837	2.49	8.7895
485549.5	3753035	0.21659	5.54	0.05456	1.99	7.5304
485649.5	3753035	0.24149	6.18	0.06621	2.42	8.5922
485749.5	3753035	0.26719	6.83	0.07139	2.60	9.4386
485849.5	3753035	0.29321	7.50	0.07178	2.62	10.1184
485549.5	3753135	0.2154	5.51	0.05116	1.87	7.3759
485649.5	3753135	0.24624	6.30	0.06324	2.31	8.6054
485749.5	3753135	0.2805	7.17	0.07412	2.70	9.8786
485849.5	3753135	0.31995	8.18	0.07759	2.83	11.0143
485549.5	3753235	0.20198	5.17	0.06508	2.37	7.5404
485649.5	3753235	0.23655	6.05	0.06107	2.23	8.2784
485749.5	3753235	0.27649	7.07	0.0739	2.70	9.7680
485849.5	3753235	0.32199	8.24	0.08363	3.05	11.2868

485549.5	3753335	0.17684	4.52	0.07951	2.90	7.4237
485649.5	3753335	0.2132	5.45	0.07702	2.81	8.2629
485749.5	3753335	0.25552	6.54	0.0719	2.62	9.1587
485849.5	3753335	0.30331	7.76	0.08684	3.17	10.9261
485549.5	3753435	0.14315	3.66	0.09286	3.39	7.0489
485649.5	3753435	0.17998	4.60	0.09414	3.43	8.0377
485749.5	3753435	0.22278	5.70	0.09189	3.35	9.0504
485849.5	3753435	0.27444	7.02	0.08557	3.12	10.1413
485619.4	3753970	0.2679	6.85	0.08084	2.95	9.8014
485713	3753962	0.29466	7.54	0.10576	3.86	11.3950
487190.9	3754410	0.21967	5.62	0.35318	12.88	18.5021
487194.8	3754289	0.30164	7.72	0.34117	12.45	20.1607
487268.8	3754091	0.40855	10.45	0.37344	13.62	24.0725
487483.3	3754102	0.28709	7.34	0.21533	7.85	15.1982

WLC LST Construction Assessment (CO 1 hour average)

Year: 2017 (Unmitigated Construction Emissions - 15 hour day)

Unit Emission Rate	1.00E-07	g/sec-m2
Actual Construction Emissions (mass grading):	2.04E-05	g/sec-m2
Actual Construction Emissions (non-mass grading):	3.25E-05	g/sec-m2

						Year: 2017 (Unmitigated Operational Emissions)			Total 1hr Ave
X(m)	Y(m)	Mass Grading 1hr Ave w/Unit Emissions (ug/m3)	Mass Grading 1hr Ave w/Actual Emissions (ug/m3)	NonMass Grading 1hr Ave w/Unit Emissions (ug/m3)	NonMass Grading 1hr Ave w/Actual Emissions (ug/m3)	X(m)	Y(m)	1hr Ave Operational (ug/m3)	Construction and Operation (ug/m3)
461553.03	3741938	0.05989	12.2	0.02681	8.7	461553	3741938	3.5	24.3780
462553.03	3741938	0.06779	13.8	0.03057	9.9	462553	3741938	4.3	28.0835
463553.03	3741938	0.06862	14.0	0.03149	10.2	463553	3741938	3.8	28.0175
464553.03	3741938	0.0792	16.1	0.03356	10.9	464553	3741938	3.5	30.5109
465553.03	3741938	0.08255	16.8	0.03832	12.5	465553	3741938	4.5	33.8329
466553.03	3741938	0.07833	16.0	0.03338	10.9	466553	3741938	4.9	31.6761
467553.03	3741938	0.09177	18.7	0.04178	13.6	467553	3741938	4.2	36.4479
468553.03	3741938	0.08829	18.0	0.03943	12.8	468553	3741938	4.4	35.1674
469553.03	3741938	0.09626	19.6	0.04229	13.8	469553	3741938	4.2	37.6040
470553.03	3741938	0.10635	21.7	0.04429	14.4	470553	3741938	4.1	40.2072
471553.03	3741938	0.10898	22.2	0.05099	16.6	471553	3741938	4.7	43.4719
472553.03	3741938	0.09355	19.1	0.03414	11.1	472553	3741938	4.7	34.8804
473553.03	3741938	0.12823	26.1	0.05284	17.2	473553	3741938	4.9	48.2199
474553.03	3741938	0.12146	24.7	0.05905	19.2	474553	3741938	5.3	49.2592
475553.03	3741938	0.12646	25.8	0.05541	18.0	475553	3741938	5.4	49.2351
476553.03	3741938	0.10115	20.6	0.04665	15.2	476553	3741938	4.6	40.3369
477553.03	3741938	0.09227	18.8	0.04651	15.1	477553	3741938	3.9	37.8450
478553.03	3741938	0.09686	19.7	0.04365	14.2	478553	3741938	4.3	38.2283
479553.03	3741938	0.10494	21.4	0.04992	16.2	479553	3741938	4.2	41.8328
480553.03	3741938	0.14072	28.7	0.05108	16.6	480553	3741938	4.1	49.3748
481553.03	3741938	0.12576	25.6	0.06829	22.2	481553	3741938	4.2	52.0549
482553.03	3741938	0.15545	31.7	0.0621	20.2	482553	3741938	5.3	57.1913
483553.03	3741938	0.12739	26.0	0.06579	21.4	483553	3741938	6.7	54.1054
484553.03	3741938	0.1387	28.3	0.05734	18.7	484553	3741938	5.2	52.1330
485553.03	3741938	0.11967	24.4	0.06682	21.7	485553	3741938	4.4	50.5149
486553.03	3741938	0.15819	32.2	0.06877	22.4	486553	3741938	4.5	59.0511
487553.03	3741938	0.13612	27.7	0.06395	20.8	487553	3741938	4.3	52.8327
488553.03	3741938	0.14127	28.8	0.06138	20.0	488553	3741938	6.0	54.7612
489553.03	3741938	0.12356	25.2	0.06446	21.0	489553	3741938	6.4	52.5311
490553.03	3741938	0.13297	27.1	0.07214	23.5	490553	3741938	4.6	55.1276
491553.03	3741938	0.1589	32.4	0.08564	27.9	491553	3741938	6.5	66.7357
492553.03	3741938	0.14294	29.1	0.08311	27.0	492553	3741938	6.2	62.3906
493553.03	3741938	0.11584	23.6	0.05337	17.4	493553	3741938	5.5	46.4685
494553.03	3741938	0.10308	21.0	0.0641	20.9	494553	3741938	5.6	47.4084
495553.03	3741938	0.13427	27.4	0.06263	20.4	495553	3741938	5.7	53.4273
496553.03	3741938	0.08616	17.6	0.05214	17.0	496553	3741938	6.0	40.5630
497553.03	3741938	0.08709	17.7	0.03996	13.0	497553	3741938	4.6	35.3916
498553.03	3741938	0.08431	17.2	0.03967	12.9	498553	3741938	4.5	34.5904
499553.03	3741938	0.08218	16.7	0.04026	13.1	499553	3741938	4.2	34.0130
500553.03	3741938	0.08085	16.5	0.0387	12.6	500553	3741938	4.1	33.1886
501553.03	3741938	0.0831	16.9	0.03973	12.9	501553	3741938	4.3	34.1908
502553.03	3741938	0.08401	17.1	0.0386	12.6	502553	3741938	5.2	34.9221
503553.03	3741938	0.08191	16.7	0.04046	13.2	503553	3741938	5.3	35.1650
504553.03	3741938	0.07931	16.2	0.04004	13.0	504553	3741938	4.5	33.6609
505553.03	3741938	0.05194	10.6	0.02299	7.5	505553	3741938	3.2	21.2554
461553.03	3742938	0.0425	8.7	0.01948	6.3	461553	3742938	3.5	18.4469
462553.03	3742938	0.05003	10.2	0.02191	7.1	462553	3742938	3.1	20.4146
463553.03	3742938	0.06145	12.5	0.0273	8.9	463553	3742938	3.6	24.9603
464553.03	3742938	0.06535	13.3	0.02937	9.6	464553	3742938	4.1	26.9851
465553.03	3742938	0.06246	12.7	0.02909	9.5	465553	3742938	4.0	26.1435
466553.03	3742938	0.08653	17.6	0.03677	12.0	466553	3742938	3.8	33.4406
467553.03	3742938	0.09334	19.0	0.04309	14.0	467553	3742938	4.8	37.8399
468553.03	3742938	0.09359	19.1	0.03823	12.4	468553	3742938	5.2	36.6596
469553.03	3742938	0.10225	20.8	0.0475	15.5	469553	3742938	4.6	40.8901
470553.03	3742938	0.10006	20.4	0.04761	15.5	470553	3742938	4.8	40.6292
471553.03	3742938	0.10503	21.4	0.04802	15.6	471553	3742938	4.9	41.8822
472553.03	3742938	0.12679	25.8	0.05496	17.9	472553	3742938	4.9	48.5781
473553.03	3742938	0.08471	17.3	0.04954	16.1	473553	3742938	5.1	38.5006
474553.03	3742938	0.13013	26.5	0.04878	15.9	474553	3742938	4.7	47.0849
475553.03	3742938	0.10819	22.0	0.05134	16.7	475553	3742938	5.4	44.1385
476553.03	3742938	0.0859	17.5	0.04167	13.6	476553	3742938	5.5	36.5618
477553.03	3742938	0.10386	21.2	0.04504	14.7	477553	3742938	4.4	40.2364
478553.03	3742938	0.0952	19.4	0.05006	16.3	478553	3742938	4.1	39.7892
479553.03	3742938	0.11556	23.5	0.04957	16.1	479553	3742938	4.4	44.1123
480553.03	3742938	0.11952	24.3	0.05554	18.1	480553	3742938	4.5	46.9360
481553.03	3742938	0.16247	33.1	0.07219	23.5	481553	3742938	4.5	61.1311
482553.03	3742938	0.14062	28.6	0.06731	21.9	482553	3742938	4.6	55.1712
483553.03	3742938	0.13003	26.5	0.08315	27.1	483553	3742938	7.3	60.8801
484553.03	3742938	0.14347	29.2	0.06827	22.2	484553	3742938	6.2	57.6824
485553.03	3742938	0.13764	28.0	0.0753	24.5	485553	3742938	4.6	57.1464
486553.03	3742938	0.17574	35.8	0.07578	24.7	486553	3742938	4.7	65.1382
487553.03	3742938	0.1424	29.0	0.06763	22.0	487553	3742938	4.5	55.5193
488553.03	3742938	0.15342	31.3	0.06591	21.4	488553	3742938	6.8	59.4822
489553.03	3742938	0.16159	32.9	0.07496	24.4	489553	3742938	6.4	63.7426
490553.03	3742938	0.13224	26.9	0.07577	24.7	490553	3742938	4.9	56.4846
491553.03	3742938	0.14775	30.1	0.06558	21.3	491553	3742938	4.9	56.3203
492553.03	3742938	0.16784	34.2	0.0978	31.8	492553	3742938	6.8	72.8193
493553.03	3742938	0.11427	23.3	0.06445	21.0	493553	3742938	6.0	50.2248
494553.03	3742938	0.14186	28.9	0.06849	22.3	494553	3742938	6.2	57.3513
495553.03	3742938	0.09795	20.0	0.06037	19.6	495553	3742938	6.6	46.1961
496553.03	3742938	0.09476	19.3	0.04414	14.4	496553	3742938	4.9	38.6035
497553.03	3742938	0.09144	18.6	0.04264	13.9	497553	3742938	4.7	37.1899
498553.03	3742938	0.08711	17.7	0.04348	14.1	498553	3742938	4.4	36.2786
499553.03	3742938	0.09115	18.6	0.04007	13.0	499553	3742938	4.3	35.9466

500553.03	3742938	0.08438	17.2	0.04409	14.3	500553	3742938	4.6	36.1588
501553.03	3742938	0.08913	18.2	0.04161	13.5	501553	3742938	5.9	37.5532
502553.03	3742938	0.09216	18.8	0.05148	16.7	502553	3742938	5.4	40.9213
503553.03	3742938	0.0712	14.5	0.03183	10.4	503553	3742938	4.7	29.5736
504553.03	3742938	0.05127	10.4	0.02436	7.9	504553	3742938	2.5	20.9028
505553.03	3742938	0.04556	9.3	0.02163	7.0	505553	3742938	2.1	18.4389
461553.03	3743938	0.04988	10.2	0.02288	7.4	461553	3743938	3.5	21.1489
462553.03	3743938	0.04532	9.2	0.02095	6.8	462553	3743938	3.5	19.5691
463553.03	3743938	0.04611	9.4	0.02101	6.8	463553	3743938	3.7	19.8980
464553.03	3743938	0.04895	10.0	0.02124	6.9	464553	3743938	3.4	20.2865
465553.03	3743938	0.06199	12.6	0.02727	8.9	465553	3743938	3.6	25.1395
466553.03	3743938	0.07058	14.4	0.03168	10.3	466553	3743938	4.0	28.6872
467553.03	3743938	0.07595	15.5	0.03313	10.8	467553	3743938	3.8	30.0545
468553.03	3743938	0.09703	19.8	0.04254	13.8	468553	3743938	4.3	37.9527
469553.03	3743938	0.10017	20.4	0.04634	15.1	469553	3743938	5.2	40.6998
470553.03	3743938	0.10568	21.5	0.04611	15.0	470553	3743938	5.0	41.5222
471553.03	3743938	0.10193	20.8	0.04773	15.5	471553	3743938	4.7	40.9608
472553.03	3743938	0.09348	19.0	0.04564	14.8	472553	3743938	4.4	38.2699
473553.03	3743938	0.12296	25.0	0.05273	17.2	473553	3743938	4.3	46.5095
474553.03	3743938	0.1244	25.3	0.06292	20.5	474553	3743938	5.3	51.0661
475553.03	3743938	0.1123	22.9	0.04307	14.0	475553	3743938	4.3	41.2098
476553.03	3743938	0.1204	24.5	0.05486	17.8	476553	3743938	5.7	48.1003
477553.03	3743938	0.09459	19.3	0.04611	15.0	477553	3743938	5.8	40.0791
478553.03	3743938	0.12022	24.5	0.0497	16.2	478553	3743938	4.6	45.2639
479553.03	3743938	0.11689	23.8	0.05287	17.2	479553	3743938	4.6	45.5802
480553.03	3743938	0.13816	28.1	0.05533	18.0	480553	3743938	4.7	50.8857
481553.03	3743938	0.17264	35.2	0.05976	19.4	481553	3743938	4.6	59.2556
482553.03	3743938	0.16833	34.3	0.08425	27.4	482553	3743938	4.8	66.4530
483553.03	3743938	0.24257	49.4	0.09521	31.0	483553	3743938	8.3	88.6954
484553.03	3743938	0.15143	30.8	0.06602	21.5	484553	3743938	6.6	58.9770
485553.03	3743938	0.17047	34.7	0.08734	28.4	485553	3743938	5.0	68.1089
486553.03	3743938	0.1982	40.4	0.08581	27.9	486553	3743938	5.0	73.2742
487553.03	3743938	0.16133	32.9	0.08117	26.4	487553	3743938	4.8	64.1234
488553.03	3743938	0.17216	35.1	0.07817	25.4	488553	3743938	7.5	67.9970
489553.03	3743938	0.17228	35.1	0.07524	24.5	489553	3743938	6.3	65.8889
490553.03	3743938	0.16438	33.5	0.0749	24.4	490553	3743938	5.0	62.8960
491553.03	3743938	0.14831	30.2	0.0818	26.6	491553	3743938	5.1	61.9662
492553.03	3743938	0.15664	31.9	0.06781	22.1	492553	3743938	5.2	59.1786
493553.03	3743938	0.14625	29.8	0.06973	22.7	493553	3743938	5.2	57.6718
494553.03	3743938	0.11314	23.0	0.07006	22.8	494553	3743938	7.0	52.8416
495553.03	3743938	0.10384	21.2	0.0493	16.0	495553	3743938	5.8	42.9608
496553.03	3743938	0.10038	20.4	0.04651	15.1	496553	3743938	4.9	40.5013
497553.03	3743938	0.09086	18.5	0.04686	15.2	497553	3743938	4.6	38.4009
498553.03	3743938	0.09926	20.2	0.04346	14.1	498553	3743938	4.6	38.9395
499553.03	3743938	0.09688	19.7	0.04668	15.2	499553	3743938	5.3	40.2081
500553.03	3743938	0.09275	18.9	0.04677	15.2	500553	3743938	6.3	40.3954
501553.03	3743938	0.09833	20.0	0.05442	17.7	501553	3743938	5.4	43.1531
502553.03	3743938	0.10365	21.1	0.03484	11.3	502553	3743938	5.0	37.4601
503553.03	3743938	0.04642	9.5	0.02671	8.7	503553	3743938	2.7	20.8314
504553.03	3743938	0.04681	9.5	0.02853	9.3	504553	3743938	3.1	21.9010
505553.03	3743938	0.04859	9.9	0.02307	7.5	505553	3743938	2.3	19.7108
461553.03	3744938	0.05399	11.0	0.02463	8.0	461553	3744938	2.9	21.9492
462553.03	3744938	0.05691	11.6	0.02582	8.4	462553	3744938	3.3	23.2517
463553.03	3744938	0.05774	11.8	0.02629	8.6	463553	3744938	3.7	24.0284
464553.03	3744938	0.05495	11.2	0.02519	8.2	464553	3744938	3.8	23.2187
465553.03	3744938	0.05131	10.5	0.02327	7.6	465553	3744938	3.9	21.9645
466553.03	3744938	0.05225	10.6	0.02383	7.8	466553	3744938	3.8	22.2332
467553.03	3744938	0.082	16.7	0.0377	12.3	467553	3744938	4.2	33.2005
468553.03	3744938	0.08367	17.0	0.03613	11.8	468553	3744938	4.7	33.5490
469553.03	3744938	0.09649	19.7	0.04424	14.4	469553	3744938	4.8	38.8001
470553.03	3744938	0.11137	22.7	0.04648	15.1	470553	3744938	5.0	42.8445
471553.03	3744938	0.10967	22.3	0.05121	16.7	471553	3744938	5.8	44.7965
472553.03	3744938	0.12734	25.9	0.05493	17.9	472553	3744938	5.3	49.0850
473553.03	3744938	0.13512	27.5	0.05987	19.5	473553	3744938	5.0	52.0359
474553.03	3744938	0.14454	29.4	0.06547	21.3	474553	3744938	5.5	56.2234
475553.03	3744938	0.12383	25.2	0.05449	17.7	475553	3744938	4.8	47.7918
476553.03	3744938	0.11164	22.7	0.04833	15.7	476553	3744938	4.5	42.9770
477553.03	3744938	0.1342	27.3	0.05977	19.4	477553	3744938	6.2	52.9625
478553.03	3744938	0.10926	22.3	0.0516	16.8	478553	3744938	6.3	45.3115
479553.03	3744938	0.14082	28.7	0.05676	18.5	479553	3744938	4.8	51.9491
480553.03	3744938	0.1403	28.6	0.05621	18.3	480553	3744938	5.0	51.9135
481553.03	3744938	0.1475	30.0	0.07086	23.1	481553	3744938	5.1	58.2383
482553.03	3744938	0.214	43.6	0.08922	29.0	482553	3744938	5.2	77.8198
483553.03	3744938	0.22462	45.8	0.09131	29.7	483553	3744938	7.6	83.0457
484553.03	3744938	0.19241	39.2	0.08984	29.2	484553	3744938	8.7	77.1522
485553.03	3744938	0.18194	37.1	0.08139	26.5	485553	3744938	6.8	70.3761
486553.03	3744938	0.23211	47.3	0.10071	32.8	486553	3744938	5.5	85.5503
487553.03	3744938	0.18219	37.1	0.0961	31.3	487553	3744938	5.2	73.6266
488553.03	3744938	0.18614	37.9	0.09718	31.6	488553	3744938	8.2	77.6945
489553.03	3744938	0.17293	35.2	0.10062	32.7	489553	3744938	6.0	74.0057
490553.03	3744938	0.18851	38.4	0.07918	25.8	490553	3744938	5.3	69.4993
491553.03	3744938	0.16954	34.5	0.08755	28.5	491553	3744938	5.5	68.5253
492553.03	3744938	0.15643	31.9	0.08556	27.8	492553	3744938	5.4	65.1384
493553.03	3744938	0.13399	27.3	0.0796	25.9	493553	3744938	7.3	60.4549
494553.03	3744938	0.11655	23.7	0.0556	18.1	494553	3744938	7.1	48.8834
495553.03	3744938	0.11056	22.5	0.05252	17.1	495553	3744938	5.2	44.8227
496553.03	3744938	0.10635	21.7	0.05341	17.4	496553	3744938	5.0	44.0183
497553.03	3744938	0.103	21.0	0.05308	17.3	497553	3744938	4.9	43.1116
498553.03	3744938	0.10533	21.5	0.04996	16.3	498553	3744938	6.4	44.0671
499553.03	3744938	0.09453	19.3	0.05029	16.4	499553	3744938	6.6	42.1725
500553.03	3744938	0.11102	22.6	0.04754	15.5	500553	3744938	5.0	43.0979
501553.03	3744938	0.08782	17.9	0.04638	15.1	501553	3744938	4.9	37.9204
502553.03	3744938	0.07409	15.1	0.04812	15.7	502553	3744938	4.9	35.6818
503553.03	3744938	0.06995	14.3	0.03636	11.8	503553	3744938	5.4	31.4448
504553.03	3744938	0.04713	9.6	0.02623	8.5	504553	3744938	3.1	21.2100
505553.03	3744938	0.05335	10.9	0.02555	8.3	505553	3744938	3.8	22.9591

461553.03	3745938	0.06025	12.3	0.02744	8.9	461553	3745938	3.3	24.5171
462553.03	3745938	0.066	13.4	0.03001	9.8	462553	3745938	3.5	26.6772
463553.03	3745938	0.06612	13.5	0.03004	9.8	463553	3745938	3.3	26.5809
464553.03	3745938	0.06153	12.5	0.02798	9.1	464553	3745938	3.2	24.8436
465553.03	3745938	0.06117	12.5	0.02764	9.0	465553	3745938	3.6	25.0898
466553.03	3745938	0.06429	13.1	0.02917	9.5	466553	3745938	4.1	26.6763
467553.03	3745938	0.06225	12.7	0.0285	9.3	467553	3745938	4.2	26.1655
468553.03	3745938	0.06145	12.5	0.02785	9.1	468553	3745938	4.4	26.0084
469553.03	3745938	0.08507	17.3	0.03785	12.3	469553	3745938	4.4	34.0934
470553.03	3745938	0.10558	21.5	0.04299	14.0	470553	3745938	5.2	40.6967
471553.03	3745938	0.11401	23.2	0.0514	16.7	471553	3745938	5.0	44.9000
472553.03	3745938	0.13388	27.3	0.05479	17.8	472553	3745938	5.8	50.8998
473553.03	3745938	0.13892	28.3	0.06622	21.5	473553	3745938	6.5	56.2963
474553.03	3745938	0.15658	31.9	0.07381	24.0	474553	3745938	5.8	61.7437
475553.03	3745938	0.11777	24.0	0.0562	18.3	475553	3745938	4.6	46.9020
476553.03	3745938	0.13192	26.9	0.05767	18.8	476553	3745938	5.0	50.6287
477553.03	3745938	0.11984	24.4	0.06025	19.6	477553	3745938	4.8	48.8062
478553.03	3745938	0.15574	31.7	0.0672	21.9	478553	3745938	6.8	60.3933
479553.03	3745938	0.13036	26.6	0.06111	19.9	479553	3745938	6.9	53.3204
480553.03	3745938	0.16755	34.1	0.06721	21.9	480553	3745938	5.1	61.0689
481553.03	3745938	0.17559	35.8	0.07269	23.6	481553	3745938	5.5	64.9179
482553.03	3745938	0.23	46.9	0.0845	27.5	482553	3745938	5.6	79.9679
483553.03	3745938	0.23889	48.7	0.11658	37.9	483553	3745938	6.2	92.8246
484553.03	3745938	0.22281	45.4	0.1255	40.8	484553	3745938	9.9	96.1278
485553.03	3745938	0.34351	70.0	0.16342	53.2	485553	3745938	8.7	131.8878
486553.03	3745938	0.28287	57.6	0.12585	40.9	486553	3745938	8.9	107.4267
487553.03	3745938	0.22176	45.2	0.11673	38.0	487553	3745938	6.9	90.0591
488553.03	3745938	0.23902	48.7	0.11038	35.9	488553	3745938	8.9	93.4915
489553.03	3745938	0.21619	44.0	0.10752	35.0	489553	3745938	5.9	84.9466
490553.03	3745938	0.18517	37.7	0.10975	35.7	490553	3745938	6.0	79.4120
491553.03	3745938	0.17303	35.2	0.09551	31.1	491553	3745938	6.0	72.3130
492553.03	3745938	0.16213	33.0	0.0911	29.6	492553	3745938	7.3	69.9293
493553.03	3745938	0.13345	27.2	0.06689	21.8	493553	3745938	8.3	57.2351
494553.03	3745938	0.12782	26.0	0.06168	20.1	494553	3745938	5.6	51.7149
495553.03	3745938	0.12727	25.9	0.05984	19.5	495553	3745938	5.4	50.7858
496553.03	3745938	0.12272	25.0	0.06211	20.2	496553	3745938	5.3	50.5519
497553.03	3745938	0.11253	22.9	0.05976	19.4	497553	3745938	7.5	49.8745
498553.03	3745938	0.12252	25.0	0.05331	17.3	498553	3745938	6.6	48.9070
499553.03	3745938	0.13454	27.4	0.07324	23.8	499553	3745938	6.6	57.8607
500553.03	3745938	0.11118	22.6	0.06747	22.0	500553	3745938	6.4	50.9563
501553.03	3745938	0.0971	19.8	0.05575	18.1	501553	3745938	6.2	44.1185
502553.03	3745938	0.09856	20.1	0.05225	17.0	502553	3745938	5.8	42.9090
503553.03	3745938	0.08851	18.0	0.04671	15.2	503553	3745938	5.4	38.6531
504553.03	3745938	0.0736	15.0	0.03768	12.3	504553	3745938	4.5	31.7260
505553.03	3745938	0.07333	14.9	0.03359	10.9	505553	3745938	4.2	30.0257
461553.03	3746938	0.04366	8.9	0.01982	6.4	461553	3746938	3.7	19.0289
462553.03	3746938	0.04775	9.7	0.02199	7.2	462553	3746938	3.6	20.4922
463553.03	3746938	0.05651	11.5	0.02586	8.4	463553	3746938	3.5	23.4311
464553.03	3746938	0.06181	12.6	0.02812	9.1	464553	3746938	3.5	25.2231
465553.03	3746938	0.07015	14.3	0.0318	10.3	465553	3746938	3.7	28.2880
466553.03	3746938	0.07544	15.4	0.03414	11.1	466553	3746938	3.6	30.1129
467553.03	3746938	0.07402	15.1	0.03351	10.9	467553	3746938	3.7	29.6810
468553.03	3746938	0.07363	15.0	0.03311	10.8	468553	3746938	4.4	30.1614
469553.03	3746938	0.07637	15.6	0.03449	11.2	469553	3746938	4.6	31.4266
470553.03	3746938	0.10552	21.5	0.04624	15.0	470553	3746938	5.5	42.0297
471553.03	3746938	0.09913	20.2	0.04268	13.9	471553	3746938	4.9	38.9406
472553.03	3746938	0.10504	21.4	0.04617	15.0	472553	3746938	5.4	41.8565
473553.03	3746938	0.14441	29.4	0.06786	22.1	473553	3746938	5.7	57.2090
474553.03	3746938	0.15924	32.4	0.06742	21.9	474553	3746938	6.9	61.3058
475553.03	3746938	0.13417	27.3	0.06262	20.4	475553	3746938	6.5	54.1926
476553.03	3746938	0.14505	29.5	0.06686	21.8	476553	3746938	5.0	56.3159
477553.03	3746938	0.14572	29.7	0.06098	19.8	477553	3746938	5.2	54.6955
478553.03	3746938	0.16067	32.7	0.07278	23.7	478553	3746938	5.4	61.8226
479553.03	3746938	0.18572	37.8	0.07505	24.4	479553	3746938	7.6	69.8816
480553.03	3746938	0.16256	33.1	0.07786	25.3	480553	3746938	7.8	66.2288
481553.03	3746938	0.20395	41.5	0.0878	28.6	481553	3746938	6.0	76.1303
482553.03	3746938	0.2376	48.4	0.09393	30.6	482553	3746938	6.3	85.2642
483553.03	3746938	0.31416	64.0	0.12167	39.6	483553	3746938	6.4	109.9655
484553.03	3746938	0.30828	62.8	0.13093	42.6	484553	3746938	11.3	116.6772
485553.03	3746938	0.3082	62.8	0.12976	42.2	485553	3746938	8.9	113.8587
486553.03	3746938	0.3977	81.0	0.18703	60.8	486553	3746938	9.3	151.1304
487553.03	3746938	0.29374	59.8	0.14502	47.2	487553	3746938	8.8	115.7951
488553.03	3746938	0.26142	53.3	0.13572	44.2	488553	3746938	9.7	107.0658
489553.03	3746938	0.27047	55.1	0.11912	38.8	489553	3746938	6.7	100.5360
490553.03	3746938	0.2329	47.4	0.11003	35.8	490553	3746938	6.6	89.8388
491553.03	3746938	0.19983	40.7	0.0996	32.4	491553	3746938	6.9	79.9794
492553.03	3746938	0.15635	31.9	0.08537	27.8	492553	3746938	9.4	69.0204
493553.03	3746938	0.14956	30.5	0.07596	24.7	493553	3746938	6.4	61.5331
494553.03	3746938	0.14458	29.5	0.06712	21.8	494553	3746938	5.9	57.2349
495553.03	3746938	0.13708	27.9	0.06588	21.4	495553	3746938	6.7	56.0176
496553.03	3746938	0.13729	28.0	0.06646	21.6	496553	3746938	8.5	58.0990
497553.03	3746938	0.13448	27.4	0.06834	22.2	497553	3746938	6.1	55.7707
498553.03	3746938	0.13429	27.4	0.0828	26.9	498553	3746938	6.3	60.6413
499553.03	3746938	0.08998	18.3	0.05859	19.1	499553	3746938	6.5	43.9185
500553.03	3746938	0.08287	16.9	0.04451	14.5	500553	3746938	6.4	37.7781
501553.03	3746938	0.10059	20.5	0.04969	16.2	501553	3746938	6.0	42.6639
502553.03	3746938	0.0903	18.4	0.04908	16.0	502553	3746938	5.1	39.4170
503553.03	3746938	0.08556	17.4	0.04823	15.7	503553	3746938	5.3	38.4255
504553.03	3746938	0.08188	16.7	0.04478	14.6	504553	3746938	5.3	36.5167
505553.03	3746938	0.08209	16.7	0.04014	13.1	505553	3746938	4.6	34.3962
461553.03	3747938	0.04748	9.7	0.02099	6.8	461553	3747938	3.6	20.1093
462553.03	3747938	0.04815	9.8	0.02179	7.1	462553	3747938	3.5	20.4409
463553.03	3747938	0.04611	9.4	0.02071	6.7	463553	3747938	3.7	19.8282
464553.03	3747938	0.04608	9.4	0.02086	6.8	464553	3747938	3.9	20.0700
465553.03	3747938	0.0499	10.2	0.02255	7.3	465553	3747938	3.9	21.4378
466553.03	3747938	0.07766	15.8	0.03409	11.1	466553	3747938	4.6	31.4873

467553.03	3747938	0.08582	17.5	0.03819	12.4	467553	3747938	4.7	34.6272
468553.03	3747938	0.09576	19.5	0.04273	13.9	468553	3747938	4.7	38.1303
469553.03	3747938	0.10196	20.8	0.04534	14.8	469553	3747938	4.5	40.0200
470553.03	3747938	0.10935	22.3	0.04841	15.8	470553	3747938	4.8	42.7792
471553.03	3747938	0.12276	25.0	0.05365	17.5	471553	3747938	5.5	47.9950
472553.03	3747938	0.12029	24.5	0.05719	18.6	472553	3747938	5.7	48.7766
473553.03	3747938	0.12126	24.7	0.057	18.5	473553	3747938	5.6	48.8496
474553.03	3747938	0.09523	19.4	0.04062	13.2	474553	3747938	5.4	37.9878
475553.03	3747938	0.12044	24.5	0.05242	17.1	475553	3747938	6.2	47.8005
476553.03	3747938	0.15757	32.1	0.06595	21.5	476553	3747938	7.5	61.0909
477553.03	3747938	0.17004	34.6	0.07449	24.2	477553	3747938	6.8	65.7056
478553.03	3747938	0.1766	36.0	0.07993	26.0	478553	3747938	5.6	67.5439
479553.03	3747938	0.20269	41.3	0.08501	27.7	479553	3747938	6.2	75.1170
480553.03	3747938	0.22879	46.6	0.08216	26.7	480553	3747938	8.8	82.1683
481553.03	3747938	0.1923	39.2	0.10116	32.9	481553	3747938	9.7	81.7842
482553.03	3747938	0.24144	49.2	0.12797	41.6	482553	3747938	11.1	101.8802
483553.03	3747938	0.40272	82.0	0.1725	56.1	483553	3747938	8.2	146.3324
484553.03	3747938	0.44335	90.3	0.20629	67.1	484553	3747938	12.8	170.2315
485553.03	3747938	0.38785	79.0	0.15146	49.3	485553	3747938	11.2	139.4595
486553.03	3747938	0.42894	87.4	0.18576	60.4	486553	3747938	7.9	155.7621
487553.03	3747938	0.38116	77.6	0.22032	71.7	487553	3747938	12.2	161.5732
488553.03	3747938	0.31682	64.5	0.18325	59.6	488553	3747938	10.3	134.4137
489553.03	3747938	0.29363	59.8	0.16425	53.4	489553	3747938	7.4	120.6632
490553.03	3747938	0.25848	52.7	0.14565	47.4	490553	3747938	7.4	107.4567
491553.03	3747938	0.19346	39.4	0.11424	37.2	491553	3747938	10.4	87.0153
492553.03	3747938	0.17928	36.5	0.095	30.9	492553	3747938	8.2	75.6637
493553.03	3747938	0.17587	35.8	0.0891	29.0	493553	3747938	6.7	71.4719
494553.03	3747938	0.15921	32.4	0.08385	27.3	494553	3747938	8.5	68.1855
495553.03	3747938	0.15876	32.3	0.0776	25.2	495553	3747938	9.2	66.7953
496553.03	3747938	0.17101	34.8	0.10061	32.7	496553	3747938	8.1	75.6594
497553.03	3747938	0.12067	24.6	0.08167	26.6	497553	3747938	7.9	59.0491
498553.03	3747938	0.1427	29.1	0.07939	25.8	498553	3747938	7.8	62.6938
499553.03	3747938	0.1167	23.8	0.06393	20.8	499553	3747938	6.9	51.4686
500553.03	3747938	0.10227	20.8	0.06082	19.8	500553	3747938	5.9	46.5187
501553.03	3747938	0.08395	17.1	0.04831	15.7	501553	3747938	5.7	38.4947
502553.03	3747938	0.07029	14.3	0.03666	11.9	502553	3747938	5.0	31.2939
503553.03	3747938	0.08368	17.0	0.04138	13.5	503553	3747938	5.3	35.8049
504553.03	3747938	0.07491	15.3	0.04267	13.9	504553	3747938	5.5	34.6247
505553.03	3747938	0.08182	16.7	0.03995	13.0	505553	3747938	5.3	34.9787
461553.03	3748938	0.0658	13.4	0.02862	9.3	461553	3748938	3.1	25.8054
462553.03	3748938	0.0595	12.1	0.02561	8.3	462553	3748938	3.3	23.7741
463553.03	3748938	0.05707	11.6	0.02571	8.4	463553	3748938	3.7	23.7067
464553.03	3748938	0.0602	12.3	0.02691	8.8	464553	3748938	4.0	25.0457
465553.03	3748938	0.06147	12.5	0.02723	8.9	465553	3748938	4.1	25.5080
466553.03	3748938	0.06046	12.3	0.02654	8.6	466553	3748938	4.1	25.0175
467553.03	3748938	0.06063	12.4	0.0272	8.8	467553	3748938	4.6	25.7965
468553.03	3748938	0.08758	17.8	0.03974	12.9	468553	3748938	5.5	36.2817
469553.03	3748938	0.09118	18.6	0.04071	13.2	469553	3748938	5.0	36.8601
470553.03	3748938	0.10712	21.8	0.04659	15.2	470553	3748938	5.1	42.0847
471553.03	3748938	0.10795	22.0	0.05141	16.7	471553	3748938	5.4	44.1025
472553.03	3748938	0.12907	26.3	0.06106	19.9	472553	3748938	5.2	51.4034
473553.03	3748938	0.11553	23.5	0.05341	17.4	473553	3748938	5.4	46.2779
474553.03	3748938	0.10446	21.3	0.04718	15.3	474553	3748938	5.5	42.1136
475553.03	3748938	0.11142	22.7	0.04933	16.0	475553	3748938	5.5	44.2305
476553.03	3748938	0.1062	21.6	0.04659	15.2	476553	3748938	5.9	42.7243
477553.03	3748938	0.14936	30.4	0.06281	20.4	477553	3748938	7.7	58.5343
478553.03	3748938	0.20422	41.6	0.08294	27.0	478553	3748938	8.7	77.3259
479553.03	3748938	0.23649	48.2	0.09598	31.2	479553	3748938	7.2	86.6312
480553.03	3748938	0.24443	49.8	0.1038	33.8	480553	3748938	7.2	90.7182
481553.03	3748938	0.3525	71.8	0.16814	54.7	481553	3748938	11.7	138.1813
482553.03	3748938	0.24372	49.6	0.11908	38.7	482553	3748938	10.1	98.5143
483553.03	3748938	0.49446	100.7	0.21463	69.8	483553	3748938	13.8	184.3430
484553.03	3748938	0.66365	135.2	0.244	79.4	484553	3748938	11.6	226.2036
485553.03	3748938	0.58962	120.1	0.32475	105.7	485553	3748938	14.0	239.7230
486553.03	3748938	0.54947	111.9	0.28907	94.0	486553	3748938	9.4	215.4163
487553.03	3748938	0.51817	105.6	0.30861	100.4	487553	3748938	12.6	218.5459
488553.03	3748938	0.40057	81.6	0.21165	68.9	488553	3748938	10.4	160.8407
489553.03	3748938	0.34879	71.1	0.19592	63.7	489553	3748938	8.6	143.3484
490553.03	3748938	0.25343	51.6	0.15932	51.8	490553	3748938	11.1	114.5421
491553.03	3748938	0.23973	48.8	0.12415	40.4	491553	3748938	10.8	100.0662
492553.03	3748938	0.2104	42.9	0.1137	37.0	492553	3748938	7.7	87.6002
493553.03	3748938	0.20437	41.6	0.09782	31.8	493553	3748938	10.7	84.1268
494553.03	3748938	0.15883	32.4	0.0977	31.8	494553	3748938	9.5	73.6231
495553.03	3748938	0.17498	35.6	0.1072	34.9	495553	3748938	9.9	80.3883
496553.03	3748938	0.13398	27.3	0.06433	20.9	496553	3748938	8.8	57.0257
497553.03	3748938	0.14054	28.6	0.08593	28.0	497553	3748938	8.3	64.8730
498553.03	3748938	0.13134	26.8	0.08131	26.5	498553	3748938	7.5	60.6940
499553.03	3748938	0.11861	24.2	0.06081	19.8	499553	3748938	7.0	50.9794
500553.03	3748938	0.09475	19.3	0.05237	17.0	500553	3748938	5.9	42.2072
501553.03	3748938	0.07714	15.7	0.04628	15.1	501553	3748938	6.1	36.8493
502553.03	3748938	0.07665	15.6	0.0421	13.7	502553	3748938	5.9	35.1750
503553.03	3748938	0.07916	16.1	0.03667	11.9	503553	3748938	5.4	33.4824
504553.03	3748938	0.08488	17.3	0.04018	13.1	504553	3748938	5.4	35.7543
505553.03	3748938	0.0789	16.1	0.04018	13.1	505553	3748938	4.6	33.7212
461553.03	3749938	0.06954	14.2	0.03239	10.5	461553	3749938	3.8	28.5207
462553.03	3749938	0.07414	15.1	0.03418	11.1	462553	3749938	3.6	29.8434
463553.03	3749938	0.08123	16.5	0.03704	12.1	463553	3749938	3.5	32.0686
464553.03	3749938	0.08827	18.0	0.03979	12.9	464553	3749938	3.4	34.3126
465553.03	3749938	0.09053	18.4	0.04029	13.1	465553	3749938	3.5	35.0114
466553.03	3749938	0.09075	18.5	0.03982	13.0	466553	3749938	3.8	35.2285
467553.03	3749938	0.09186	18.7	0.03973	12.9	467553	3749938	4.3	35.9743
468553.03	3749938	0.09025	18.4	0.03842	12.5	468553	3749938	4.7	35.6221
469553.03	3749938	0.08872	18.1	0.03906	12.7	469553	3749938	5.1	35.9256
470553.03	3749938	0.10763	21.9	0.0478	15.6	470553	3749938	5.6	43.1252
471553.03	3749938	0.11483	23.4	0.05637	18.3	471553	3749938	5.9	47.6139
472553.03	3749938	0.11847	24.1	0.0553	18.0	472553	3749938	6.0	48.1321

473553.03	3749938	0.08113	16.5	0.03645	11.9	473553	3749938	5.0	33.3913
474553.03	3749938	0.09051	18.4	0.04142	13.5	474553	3749938	5.3	37.1650
475553.03	3749938	0.11874	24.2	0.05279	17.2	475553	3749938	5.3	46.6716
476553.03	3749938	0.14157	28.8	0.06203	20.2	476553	3749938	6.2	55.2096
477553.03	3749938	0.14772	30.1	0.0641	20.9	477553	3749938	6.5	57.4604
478553.03	3749938	0.16221	33.0	0.07025	22.9	478553	3749938	7.0	62.9134
479553.03	3749938	0.19543	39.8	0.07826	25.5	479553	3749938	9.8	75.0283
480553.03	3749938	0.2933	59.8	0.11425	37.2	480553	3749938	10.3	107.1946
481553.03	3749938	0.36097	73.5	0.14946	48.6	481553	3749938	8.6	130.7536
482553.03	3749938	0.53957	109.9	0.22711	73.9	482553	3749938	14.0	197.7975
483553.03	3749938	0.56723	115.6	0.2739	89.1	483553	3749938	14.0	218.7144
484553.03	3749938	0.61413	125.1	0.22009	71.6	484553	3749938	17.7	214.3888
485553.03	3749938	0.56792	115.7	0.32695	106.4	485553	3749938	17.1	239.1704
486553.03	3749938	0.6283	128.0	0.40584	132.0	486553	3749938	16.1	276.1784
487553.03	3749938	0.61239	124.8	0.474	154.2	487553	3749938	16.2	295.1195
488553.03	3749938	0.47296	96.4	0.31727	103.2	488553	3749938	10.2	209.7881
489553.03	3749938	0.34904	71.1	0.24468	79.6	489553	3749938	11.5	162.2598
490553.03	3749938	0.3174	64.7	0.17238	56.1	490553	3749938	13.6	134.3614
491553.03	3749938	0.28958	59.0	0.15411	50.1	491553	3749938	9.2	118.3647
492553.03	3749938	0.21263	43.3	0.14159	46.1	492553	3749938	13.2	102.5977
493553.03	3749938	0.1878	38.3	0.10004	32.5	493553	3749938	9.5	80.2950
494553.03	3749938	0.16356	33.3	0.08772	28.5	494553	3749938	8.5	70.3965
495553.03	3749938	0.15453	31.5	0.09204	29.9	495553	3749938	9.8	71.2423
496553.03	3749938	0.15761	32.1	0.07499	24.4	496553	3749938	8.5	64.9627
497553.03	3749938	0.1604	32.7	0.09262	30.1	497553	3749938	8.7	71.5591
498553.03	3749938	0.13476	27.5	0.07924	25.8	498553	3749938	8.0	61.2817
499553.03	3749938	0.11455	23.3	0.05543	18.0	499553	3749938	7.0	48.3707
500553.03	3749938	0.09106	18.6	0.05123	16.7	500553	3749938	6.2	41.4243
501553.03	3749938	0.07856	16.0	0.04955	16.1	501553	3749938	5.8	37.9156
502553.03	3749938	0.07378	15.0	0.03723	12.1	502553	3749938	4.6	31.6940
503553.03	3749938	0.07319	14.9	0.0379	12.3	503553	3749938	4.8	31.9965
504553.03	3749938	0.07774	15.8	0.0376	12.2	504553	3749938	4.7	32.7747
505553.03	3749938	0.06885	14.0	0.03575	11.6	505553	3749938	4.6	30.2686
461553.03	3750938	0.06299	12.8	0.02881	9.4	461553	3750938	4.2	26.4207
462553.03	3750938	0.06606	13.5	0.02999	9.8	462553	3750938	4.4	27.5999
463553.03	3750938	0.06953	14.2	0.0313	10.2	463553	3750938	4.5	28.8690
464553.03	3750938	0.07231	14.7	0.03224	10.5	464553	3750938	4.7	29.8849
465553.03	3750938	0.07438	15.2	0.03282	10.7	465553	3750938	4.8	30.6676
466553.03	3750938	0.07912	16.1	0.03452	11.2	466553	3750938	5.1	32.4565
467553.03	3750938	0.08456	17.2	0.04008	13.0	467553	3750938	5.3	35.5534
468553.03	3750938	0.09338	19.0	0.04441	14.4	468553	3750938	5.1	38.6032
469553.03	3750938	0.10477	21.3	0.04903	16.0	469553	3750938	4.9	42.1502
470553.03	3750938	0.12043	24.5	0.05973	19.4	470553	3750938	4.8	48.7827
471553.03	3750938	0.13814	28.1	0.06695	21.8	471553	3750938	5.3	55.2179
472553.03	3750938	0.14677	29.9	0.06809	22.2	472553	3750938	5.7	57.8014
473553.03	3750938	0.13162	26.8	0.05881	19.1	473553	3750938	5.7	51.6145
474553.03	3750938	0.13293	27.1	0.05733	18.7	474553	3750938	5.7	51.4094
475553.03	3750938	0.12974	26.4	0.05259	17.1	475553	3750938	6.2	49.7192
476553.03	3750938	0.12874	26.2	0.05455	17.7	476553	3750938	6.3	50.2411
477553.03	3750938	0.13138	26.8	0.05626	18.3	477553	3750938	6.5	51.5500
478553.03	3750938	0.14951	30.5	0.06579	21.4	478553	3750938	7.2	59.0434
479553.03	3750938	0.21551	43.9	0.09245	30.1	479553	3750938	8.1	82.0361
480553.03	3750938	0.26003	53.0	0.109	35.5	480553	3750938	9.4	97.8563
481553.03	3750938	0.28263	57.6	0.11857	38.6	481553	3750938	12.2	108.3685
482553.03	3750938	0.48522	98.8	0.17694	57.6	482553	3750938	12.5	168.9140
483553.03	3750938	0.60459	123.2	0.25764	83.8	483553	3750938	16.0	222.9491
484553.03	3750938	0.82542	168.2	0.38893	126.5	484553	3750938	19.3	313.9652
485553.03	3750938	0.6994	142.5	0.27675	90.0	485553	3750938	13.8	246.2953
486553.03	3750938	0.50393	102.7	0.36045	117.3	486553	3750938	14.5	234.4072
487553.03	3750938	0.66783	136.0	0.60147	195.7	487553	3750938	22.4	354.1033
488553.03	3750938	0.52424	106.8	0.44003	143.2	488553	3750938	13.1	263.0559
489553.03	3750938	0.47112	96.0	0.28242	91.9	489553	3750938	17.2	205.0806
490553.03	3750938	0.31464	64.1	0.23829	77.5	490553	3750938	13.6	155.2003
491553.03	3750938	0.26766	54.5	0.14537	47.3	491553	3750938	15.4	117.2659
492553.03	3750938	0.23213	47.3	0.12938	42.1	492553	3750938	10.8	100.1910
493553.03	3750938	0.24839	50.6	0.14403	46.9	493553	3750938	10.3	107.7345
494553.03	3750938	0.24486	49.9	0.13367	43.5	494553	3750938	10.4	103.7647
495553.03	3750938	0.20804	42.4	0.1114	36.2	495553	3750938	10.7	89.2866
496553.03	3750938	0.14685	29.9	0.08738	28.4	496553	3750938	9.2	67.5041
497553.03	3750938	0.13993	28.5	0.0695	22.6	497553	3750938	8.5	59.6346
498553.03	3750938	0.11811	24.1	0.07078	23.0	498553	3750938	7.1	54.1764
499553.03	3750938	0.0799	16.3	0.05037	16.4	499553	3750938	5.5	38.1209
500553.03	3750938	0.07939	16.2	0.04485	14.6	500553	3750938	5.5	36.2573
501553.03	3750938	0.07711	15.7	0.03973	12.9	501553	3750938	5.2	33.7991
502553.03	3750938	0.07533	15.3	0.03777	12.3	502553	3750938	4.9	32.5413
503553.03	3750938	0.07047	14.4	0.03492	11.4	503553	3750938	4.5	30.1777
504553.03	3750938	0.07545	15.4	0.03586	11.7	504553	3750938	4.8	31.8527
505553.03	3750938	0.07144	14.6	0.03174	10.3	505553	3750938	4.8	29.7213
461553.03	3751938	0.05578	11.4	0.0253	8.2	461553	3751938	2.9	22.4711
462553.03	3751938	0.05782	11.8	0.0261	8.5	462553	3751938	3.0	23.3129
463553.03	3751938	0.06019	12.3	0.02704	8.8	463553	3751938	3.2	24.2718
464553.03	3751938	0.06357	13.0	0.02839	9.2	464553	3751938	3.5	25.7126
465553.03	3751938	0.06773	13.8	0.03005	9.8	465553	3751938	4.1	27.6446
466553.03	3751938	0.07226	14.7	0.03183	10.4	466553	3751938	4.6	29.7186
467553.03	3751938	0.07683	15.7	0.0341	11.1	467553	3751938	5.2	31.9403
468553.03	3751938	0.0815	16.6	0.03748	12.2	468553	3751938	5.7	34.5017
469553.03	3751938	0.08582	17.5	0.04089	13.3	469553	3751938	6.1	36.9100
470553.03	3751938	0.09146	18.6	0.0455	14.8	470553	3751938	6.5	39.9361
471553.03	3751938	0.12176	24.8	0.06043	19.7	471553	3751938	6.8	51.2988
472553.03	3751938	0.11262	22.9	0.05599	18.2	472553	3751938	7.0	48.1486
473553.03	3751938	0.11762	24.0	0.05608	18.2	473553	3751938	7.2	49.4274
474553.03	3751938	0.12936	26.4	0.06063	19.7	474553	3751938	7.3	53.3560
475553.03	3751938	0.14351	29.2	0.06379	20.8	475553	3751938	7.1	57.1361
476553.03	3751938	0.15988	32.6	0.06899	22.4	476553	3751938	6.8	61.7833
477553.03	3751938	0.17843	36.3	0.08317	27.1	477553	3751938	7.3	70.7136
478553.03	3751938	0.21741	44.3	0.10007	32.6	478553	3751938	7.9	84.7050

479553.03	3751938	0.26847	54.7	0.11756	38.2	479553	3751938	8.8	101.6981
480553.03	3751938	0.32262	65.7	0.13219	43.0	480553	3751938	9.2	117.8859
481553.03	3751938	0.36763	74.9	0.13673	44.5	481553	3751938	10.8	130.1737
482553.03	3751938	0.38403	78.2	0.15236	49.6	482553	3751938	13.5	141.3377
483553.03	3751938	0.62351	127.0	0.24807	80.7	483553	3751938	16.3	224.0694
484553.03	3751938	1.0712	218.2	0.34815	113.3	484553	3751938	21.2	352.6623
485553.03	3751938	2.0387	415.3	0.6794	221.0	485553	3751938	30.1	666.4854
486553.03	3751938	0.8704	177.3	0.65085	211.8	486553	3751938	18.5	407.5535
487553.03	3751938	0.88886	181.1	0.97587	317.5	487553	3751938	33.8	532.3242
488553.03	3751938	0.64764	131.9	0.55975	182.1	488553	3751938	22.5	336.5341
489553.03	3751938	0.49136	100.1	0.32114	104.5	489553	3751938	21.0	225.6056
490553.03	3751938	0.39324	80.1	0.22653	73.7	490553	3751938	18.4	172.1613
491553.03	3751938	0.29616	60.3	0.18706	60.9	491553	3751938	13.0	134.2076
492553.03	3751938	0.23971	48.8	0.13778	44.8	492553	3751938	11.9	105.5918
493553.03	3751938	0.27707	56.4	0.15536	50.5	493553	3751938	13.9	120.8688
494553.03	3751938	0.24139	49.2	0.12669	41.2	494553	3751938	11.9	102.2593
495553.03	3751938	0.21077	42.9	0.10817	35.2	495553	3751938	9.9	88.0024
496553.03	3751938	0.1543	31.4	0.07556	24.6	496553	3751938	7.8	63.7824
497553.03	3751938	0.1355	27.6	0.07009	22.8	497553	3751938	6.9	57.3181
498553.03	3751938	0.12331	25.1	0.0703	22.9	498553	3751938	6.8	54.7497
499553.03	3751938	0.09602	19.6	0.05264	17.1	499553	3751938	5.9	42.6182
500553.03	3751938	0.08554	17.4	0.04674	15.2	500553	3751938	5.6	38.2174
501553.03	3751938	0.08574	17.5	0.04685	15.2	501553	3751938	5.6	38.2812
502553.03	3751938	0.0756	15.4	0.04195	13.6	502553	3751938	5.0	34.0337
503553.03	3751938	0.07266	14.8	0.03926	12.8	503553	3751938	4.4	32.0104
504553.03	3751938	0.07437	15.2	0.03944	12.8	504553	3751938	4.4	32.4015
505553.03	3751938	0.07209	14.7	0.03745	12.2	505553	3751938	4.4	31.2576
461553.03	3752938	0.06245	12.7	0.02722	8.9	461553	3752938	4.1	25.7108
462553.03	3752938	0.06506	13.3	0.02833	9.2	462553	3752938	4.3	26.7626
463553.03	3752938	0.06838	13.9	0.02974	9.7	463553	3752938	4.5	28.0918
464553.03	3752938	0.07177	14.6	0.03117	10.1	464553	3752938	4.7	29.4290
465553.03	3752938	0.07657	15.6	0.03321	10.8	465553	3752938	4.9	31.3305
466553.03	3752938	0.08303	16.9	0.03597	11.7	466553	3752938	5.3	33.8839
467553.03	3752938	0.09	18.3	0.03894	12.7	467553	3752938	5.6	36.5844
468553.03	3752938	0.09666	19.7	0.04177	13.6	468553	3752938	5.8	39.1082
469553.03	3752938	0.09873	20.1	0.04419	14.4	469553	3752938	6.0	40.5048
470553.03	3752938	0.10434	21.3	0.04642	15.1	470553	3752938	6.2	42.5892
471553.03	3752938	0.10962	22.3	0.04913	16.0	471553	3752938	6.3	44.6340
472553.03	3752938	0.11536	23.5	0.05172	16.8	472553	3752938	6.4	46.6861
473553.03	3752938	0.12314	25.1	0.05522	18.0	473553	3752938	6.5	49.5106
474553.03	3752938	0.13421	27.3	0.06027	19.6	474553	3752938	6.9	53.8523
475553.03	3752938	0.14771	30.1	0.06646	21.6	475553	3752938	7.9	59.5767
476553.03	3752938	0.16451	33.5	0.07157	23.3	476553	3752938	8.8	65.5900
477553.03	3752938	0.18592	37.9	0.08079	26.3	477553	3752938	9.7	73.8244
478553.03	3752938	0.21391	43.6	0.09309	30.3	478553	3752938	10.5	84.3913
479553.03	3752938	0.24973	50.9	0.10902	35.5	479553	3752938	11.1	97.4903
480553.03	3752938	0.29987	61.1	0.13182	42.9	480553	3752938	12.1	116.1076
481553.03	3752938	0.36809	75.0	0.16382	53.3	481553	3752938	13.0	141.2922
482553.03	3752938	0.46679	95.1	0.21187	68.9	482553	3752938	14.1	178.0750
483553.03	3752938	0.62044	126.4	0.28907	94.0	483553	3752938	16.8	237.2912
484553.03	3752938	1.03685	211.2	0.42856	139.4	484553	3752938	21.0	371.6439
485553.03	3752938	2.15767	439.6	0.72568	236.1	485553	3752938	38.1	713.7940
486553.03	3752938	4.50917	918.6	2.09759	682.4	486553	3752938	39.9	1640.9236
487553.03	3752938	1.48705	302.9	1.23357	401.3	487553	3752938	38.7	742.9535
488553.03	3752938	0.82751	168.6	0.59543	193.7	488553	3752938	36.7	399.0229
489553.03	3752938	0.57747	117.6	0.3735	121.5	489553	3752938	24.7	263.9032
490553.03	3752938	0.42893	87.4	0.25874	84.2	490553	3752938	18.2	189.7575
491553.03	3752938	0.41887	85.3	0.24826	80.8	491553	3752938	18.5	184.5955
492553.03	3752938	0.34394	70.1	0.19599	63.8	492553	3752938	13.7	147.5809
493553.03	3752938	0.29484	60.1	0.16062	52.3	493553	3752938	12.3	124.5878
494553.03	3752938	0.25348	51.6	0.13313	43.3	494553	3752938	10.8	105.7225
495553.03	3752938	0.21029	42.8	0.10672	34.7	495553	3752938	9.4	86.9938
496553.03	3752938	0.13804	28.1	0.06775	22.0	496553	3752938	7.0	57.1329
497553.03	3752938	0.13373	27.2	0.06442	21.0	497553	3752938	6.4	54.6038
498553.03	3752938	0.11201	22.8	0.05699	18.5	498553	3752938	5.8	47.2082
499553.03	3752938	0.10149	20.7	0.0505	16.4	499553	3752938	5.7	42.7624
500553.03	3752938	0.08788	17.9	0.04293	14.0	500553	3752938	5.3	37.1745
501553.03	3752938	0.08588	17.5	0.04124	13.4	501553	3752938	5.4	36.3046
502553.03	3752938	0.08025	16.3	0.03799	12.4	502553	3752938	5.3	34.0005
503553.03	3752938	0.08509	17.3	0.03631	11.8	503553	3752938	5.3	34.4067
504553.03	3752938	0.08139	16.6	0.03464	11.3	504553	3752938	5.2	33.0320
505553.03	3752938	0.0774	15.8	0.03287	10.7	505553	3752938	5.1	31.5258
461553.03	3753938	0.05163	10.5	0.02572	8.4	461553	3753938	2.9	21.7634
462553.03	3753938	0.05234	10.7	0.02627	8.5	462553	3753938	3.0	22.1798
463553.03	3753938	0.05326	10.8	0.02695	8.8	463553	3753938	3.1	22.7001
464553.03	3753938	0.05409	11.0	0.02762	9.0	464553	3753938	3.2	23.2048
465553.03	3753938	0.05603	11.4	0.02891	9.4	465553	3753938	3.4	24.2150
466553.03	3753938	0.05864	11.9	0.03027	9.8	466553	3753938	3.6	25.4050
467553.03	3753938	0.06276	12.8	0.03127	10.2	467553	3753938	3.8	26.7617
468553.03	3753938	0.06894	14.0	0.03307	10.8	468553	3753938	4.1	28.9094
469553.03	3753938	0.07739	15.8	0.03438	11.2	469553	3753938	4.4	31.3964
470553.03	3753938	0.08415	17.1	0.03489	11.4	470553	3753938	4.8	33.2757
471553.03	3753938	0.08911	18.2	0.03683	12.0	471553	3753938	5.1	35.1871
472553.03	3753938	0.09884	20.1	0.04175	13.6	472553	3753938	5.6	39.3157
473553.03	3753938	0.10854	22.1	0.04703	15.3	473553	3753938	6.2	43.5723
474553.03	3753938	0.11858	24.2	0.05302	17.2	474553	3753938	6.8	48.1880
475553.03	3753938	0.12957	26.4	0.06024	19.6	475553	3753938	7.6	53.5478
476553.03	3753938	0.14596	29.7	0.06586	21.4	476553	3753938	8.4	59.5312
477553.03	3753938	0.19095	38.9	0.07366	24.0	477553	3753938	9.3	72.1507
478553.03	3753938	0.24138	49.2	0.08441	27.5	478553	3753938	10.3	86.9533
479553.03	3753938	0.28794	58.7	0.1174	38.2	479553	3753938	11.5	108.3048
480553.03	3753938	0.31331	63.8	0.15619	50.8	480553	3753938	12.8	127.4483
481553.03	3753938	0.3841	78.2	0.21424	69.7	481553	3753938	14.4	162.3282
482553.03	3753938	0.49487	100.8	0.22537	73.3	482553	3753938	17.1	191.2296
483553.03	3753938	0.55248	112.5	0.33367	108.6	483553	3753938	23.9	245.0429
484553.03	3753938	0.87851	179.0	0.42079	136.9	484553	3753938	26.4	342.3077

485553.03	3753938	1.16721	237.8	0.73916	240.5	485553	3753938	59.0	537.2641
486553.03	3753938	1.78088	362.8	1.28856	419.2	486553	3753938	48.2	830.1860
487553.03	3753938	1.50992	307.6	1.11752	363.6	487553	3753938	51.8	722.9588
488553.03	3753938	0.98707	201.1	0.66837	217.5	488553	3753938	37.9	456.3979
489553.03	3753938	0.69262	141.1	0.42931	139.7	489553	3753938	16.8	297.5757
490553.03	3753938	0.58202	118.6	0.33954	110.5	490553	3753938	18.9	247.9346
491553.03	3753938	0.39916	81.3	0.21558	70.1	491553	3753938	14.7	166.1798
492553.03	3753938	0.29435	60.0	0.15315	49.8	492553	3753938	13.1	122.8427
493553.03	3753938	0.23313	47.5	0.12743	41.5	493553	3753938	11.2	100.1884
494553.03	3753938	0.21659	44.1	0.11135	36.2	494553	3753938	10.2	90.5702
495553.03	3753938	0.17099	34.8	0.09335	30.4	495553	3753938	8.7	73.9286
496553.03	3753938	0.12675	25.8	0.06411	20.9	496553	3753938	6.8	53.4576
497553.03	3753938	0.1089	22.2	0.05375	17.5	497553	3753938	5.9	45.5892
498553.03	3753938	0.09373	19.1	0.05221	17.0	498553	3753938	5.4	41.4683
499553.03	3753938	0.08777	17.9	0.052	16.9	499553	3753938	5.1	39.9418
500553.03	3753938	0.08393	17.1	0.04895	15.9	500553	3753938	4.8	37.8198
501553.03	3753938	0.08207	16.7	0.04611	15.0	501553	3753938	4.6	36.2987
502553.03	3753938	0.07988	16.3	0.04323	14.1	502553	3753938	4.4	34.7590
503553.03	3753938	0.08545	17.4	0.04084	13.3	503553	3753938	4.3	35.0403
504553.03	3753938	0.08265	16.8	0.03835	12.5	504553	3753938	4.3	33.5905
505553.03	3753938	0.07945	16.2	0.03594	11.7	505553	3753938	4.2	32.0953
461553.03	3754938	0.05357	10.9	0.02303	7.5	461553	3754938	2.8	21.1687
462553.03	3754938	0.05641	11.5	0.02451	8.0	462553	3754938	2.9	22.3338
463553.03	3754938	0.05942	12.1	0.02612	8.5	463553	3754938	3.0	23.6001
464553.03	3754938	0.06244	12.7	0.02783	9.1	464553	3754938	3.2	24.9506
465553.03	3754938	0.06528	13.3	0.02957	9.6	465553	3754938	3.4	26.2871
466553.03	3754938	0.07019	14.3	0.03237	10.5	466553	3754938	3.7	28.5218
467553.03	3754938	0.07239	14.7	0.03411	11.1	467553	3754938	3.9	29.7658
468553.03	3754938	0.07488	15.3	0.03594	11.7	468553	3754938	4.2	31.1397
469553.03	3754938	0.08693	17.7	0.03739	12.2	469553	3754938	4.5	34.3418
470553.03	3754938	0.10425	21.2	0.03967	12.9	470553	3754938	4.7	38.8797
471553.03	3754938	0.12142	24.7	0.04612	15.0	471553	3754938	5.1	44.8679
472553.03	3754938	0.1367	27.8	0.05586	18.2	472553	3754938	5.5	51.5310
473553.03	3754938	0.14945	30.4	0.0665	21.6	473553	3754938	5.9	58.0269
474553.03	3754938	0.1561	31.8	0.07664	24.9	474553	3754938	6.4	63.1531
475553.03	3754938	0.15395	31.4	0.08752	28.5	475553	3754938	7.6	67.4161
476553.03	3754938	0.14706	30.0	0.08656	28.2	476553	3754938	8.8	66.9447
477553.03	3754938	0.18227	37.1	0.07906	25.7	477553	3754938	10.0	72.8376
478553.03	3754938	0.21407	43.6	0.0906	29.5	478553	3754938	11.1	84.1717
479553.03	3754938	0.25533	52.0	0.12907	42.0	479553	3754938	12.1	106.1476
480553.03	3754938	0.3064	62.4	0.16608	54.0	480553	3754938	14.3	130.7363
481553.03	3754938	0.36282	73.9	0.18409	59.9	481553	3754938	15.7	149.4643
482553.03	3754938	0.48824	99.5	0.23635	76.9	482553	3754938	20.2	196.5433
483553.03	3754938	0.50495	102.9	0.33498	109.0	483553	3754938	23.5	235.3878
484553.03	3754938	0.65349	133.1	0.3412	111.0	484553	3754938	30.3	274.4549
485553.03	3754938	0.73811	150.4	0.48981	159.4	485553	3754938	62.8	372.5036
486553.03	3754938	0.88912	181.1	0.60557	197.0	486553	3754938	65.6	443.7769
487553.03	3754938	1.18749	241.9	0.66429	216.1	487553	3754938	61.2	519.2810
488553.03	3754938	0.81562	166.2	0.44781	145.7	488553	3754938	29.7	341.5467
489553.03	3754938	0.62791	127.9	0.33948	110.4	489553	3754938	24.2	262.5193
490553.03	3754938	0.37988	77.4	0.26008	84.6	490553	3754938	18.5	180.5516
491553.03	3754938	0.32848	66.9	0.16662	54.2	491553	3754938	14.9	135.9975
492553.03	3754938	0.23791	48.5	0.12476	40.6	492553	3754938	11.9	100.9559
493553.03	3754938	0.26153	53.3	0.13622	44.3	493553	3754938	11.5	109.0892
494553.03	3754938	0.23417	47.7	0.12047	39.2	494553	3754938	10.1	97.0192
495553.03	3754938	0.17206	35.1	0.08725	28.4	495553	3754938	8.8	72.2342
496553.03	3754938	0.13231	27.0	0.06512	21.2	496553	3754938	8.4	56.5062
497553.03	3754938	0.11069	22.5	0.05474	17.8	497553	3754938	7.8	48.1603
498553.03	3754938	0.09024	18.4	0.04721	15.4	498553	3754938	7.3	41.0612
499553.03	3754938	0.08706	17.7	0.04924	16.0	499553	3754938	6.8	40.5423
500553.03	3754938	0.08494	17.3	0.04508	14.7	500553	3754938	6.4	38.3526
501553.03	3754938	0.07392	15.1	0.03822	12.4	501553	3754938	5.9	33.3710
502553.03	3754938	0.06631	13.5	0.03577	11.6	502553	3754938	5.4	30.5600
503553.03	3754938	0.07081	14.4	0.03569	11.6	503553	3754938	5.0	31.0789
504553.03	3754938	0.0716	14.6	0.03446	11.2	504553	3754938	4.9	30.6583
505553.03	3754938	0.06932	14.1	0.03201	10.4	505553	3754938	4.7	29.1992
461553.03	3755938	0.05321	10.8	0.02318	7.5	461553	3755938	3.5	21.8492
462553.03	3755938	0.05822	11.9	0.02452	8.0	462553	3755938	3.6	23.4360
463553.03	3755938	0.06738	13.7	0.02608	8.5	463553	3755938	3.7	25.9243
464553.03	3755938	0.07699	15.7	0.02925	9.5	464553	3755938	3.8	29.0174
465553.03	3755938	0.08679	17.7	0.03412	11.1	465553	3755938	3.9	32.6988
466553.03	3755938	0.09799	20.0	0.0401	13.0	466553	3755938	4.1	37.1204
467553.03	3755938	0.10557	21.5	0.0453	14.7	467553	3755938	4.7	40.9132
468553.03	3755938	0.10615	21.6	0.05052	16.4	468553	3755938	5.3	43.3643
469553.03	3755938	0.1018	20.7	0.0517	16.8	469553	3755938	5.6	43.1285
470553.03	3755938	0.10365	21.1	0.05665	18.4	470553	3755938	6.5	46.0522
471553.03	3755938	0.09489	19.3	0.05622	18.3	471553	3755938	7.0	44.6556
472553.03	3755938	0.08914	18.2	0.04941	16.1	472553	3755938	7.2	41.4158
473553.03	3755938	0.11069	22.5	0.04441	14.4	473553	3755938	7.5	44.5257
474553.03	3755938	0.15999	32.6	0.07123	23.2	474553	3755938	7.7	63.4968
475553.03	3755938	0.17618	35.9	0.0891	29.0	475553	3755938	7.7	72.5583
476553.03	3755938	0.165	33.6	0.08455	27.5	476553	3755938	7.7	68.8665
477553.03	3755938	0.18522	37.7	0.09382	30.5	477553	3755938	8.5	76.7574
478553.03	3755938	0.21079	42.9	0.10341	33.6	478553	3755938	9.1	85.6365
479553.03	3755938	0.25646	52.2	0.12734	41.4	479553	3755938	11.6	105.2555
480553.03	3755938	0.30505	62.1	0.14756	48.0	480553	3755938	13.3	123.4937
481553.03	3755938	0.35155	71.6	0.18842	61.3	481553	3755938	14.8	147.7631
482553.03	3755938	0.33741	68.7	0.22236	72.3	482553	3755938	17.5	158.5581
483553.03	3755938	0.47521	96.8	0.22222	72.3	483553	3755938	21.5	190.6312
484553.03	3755938	0.51701	105.3	0.30186	98.2	484553	3755938	26.9	230.4036
485553.03	3755938	0.51659	105.2	0.33536	109.1	485553	3755938	29.1	243.4594
486553.03	3755938	0.57223	116.6	0.44953	146.3	486553	3755938	38.2	301.0333
487553.03	3755938	0.57885	117.9	0.33642	109.5	487553	3755938	40.3	267.6536
488553.03	3755938	0.46405	94.5	0.35284	114.8	488553	3755938	24.7	234.0215
489553.03	3755938	0.40115	81.7	0.18716	60.9	489553	3755938	16.1	158.7567
490553.03	3755938	0.35075	71.5	0.1484	48.3	490553	3755938	12.9	132.6036

491553.03	3755938	0.26779	54.6	0.11503	37.4	491553	3755938	8.5	100.4554
492553.03	3755938	0.18794	38.3	0.10869	35.4	492553	3755938	9.3	82.9314
493553.03	3755938	0.15986	32.6	0.08276	26.9	493553	3755938	7.6	67.1317
494553.03	3755938	0.18158	37.0	0.09181	29.9	494553	3755938	8.4	75.2692
495553.03	3755938	0.16585	33.8	0.08453	27.5	495553	3755938	8.9	70.2186
496553.03	3755938	0.14616	29.8	0.07377	24.0	496553	3755938	8.4	62.1857
497553.03	3755938	0.16094	32.8	0.08058	26.2	497553	3755938	7.7	66.7019
498553.03	3755938	0.13813	28.1	0.06763	22.0	498553	3755938	7.1	57.2257
499553.03	3755938	0.11809	24.1	0.06248	20.3	499553	3755938	7.0	51.3499
500553.03	3755938	0.09673	19.7	0.048	15.6	500553	3755938	6.7	42.0560
501553.03	3755938	0.0771	15.7	0.04108	13.4	501553	3755938	6.4	35.5144
502553.03	3755938	0.07802	15.9	0.03655	11.9	502553	3755938	6.1	33.8381
503553.03	3755938	0.06632	13.5	0.03213	10.5	503553	3755938	5.5	29.5118
504553.03	3755938	0.06155	12.5	0.03012	9.8	504553	3755938	5.6	27.9666
505553.03	3755938	0.06268	12.8	0.03106	10.1	505553	3755938	5.7	28.5659
461553.03	3756938	0.0791	16.1	0.03454	11.2	461553	3756938	4.1	31.4376
462553.03	3756938	0.08138	16.6	0.03692	12.0	462553	3756938	4.3	32.8803
463553.03	3756938	0.08143	16.6	0.03859	12.6	463553	3756938	4.4	33.5776
464553.03	3756938	0.0791	16.1	0.03941	12.8	464553	3756938	4.5	33.4612
465553.03	3756938	0.07419	15.1	0.03917	12.7	465553	3756938	4.6	32.4173
466553.03	3756938	0.06685	13.6	0.03774	12.3	466553	3756938	4.5	30.4453
467553.03	3756938	0.06284	12.8	0.03428	11.2	467553	3756938	4.4	28.3324
468553.03	3756938	0.06431	13.1	0.03	9.8	468553	3756938	4.1	26.9645
469553.03	3756938	0.07678	15.6	0.03101	10.1	469553	3756938	4.5	30.2226
470553.03	3756938	0.08997	18.3	0.03836	12.5	470553	3756938	4.9	35.7199
471553.03	3756938	0.09846	20.1	0.04654	15.1	471553	3756938	5.4	40.5850
472553.03	3756938	0.10692	21.8	0.0499	16.2	472553	3756938	5.7	43.7562
473553.03	3756938	0.12931	26.3	0.07124	23.2	473553	3756938	6.6	56.0973
474553.03	3756938	0.08949	18.2	0.05632	18.3	474553	3756938	6.7	43.2449
475553.03	3756938	0.15407	31.4	0.07531	24.5	475553	3756938	8.2	64.0955
476553.03	3756938	0.17431	35.5	0.09064	29.5	476553	3756938	8.2	73.1943
477553.03	3756938	0.18619	37.9	0.09303	30.3	477553	3756938	8.1	76.2762
478553.03	3756938	0.22266	45.4	0.10933	35.6	478553	3756938	10.2	91.1663
479553.03	3756938	0.26849	54.7	0.11835	38.5	479553	3756938	11.3	104.4970
480553.03	3756938	0.26182	53.3	0.15429	50.2	480553	3756938	12.7	116.2405
481553.03	3756938	0.18324	37.3	0.1346	43.8	481553	3756938	12.9	94.0576
482553.03	3756938	0.29071	59.2	0.12026	39.1	482553	3756938	15.8	114.1254
483553.03	3756938	0.34896	71.1	0.24176	78.7	483553	3756938	19.3	169.0164
484553.03	3756938	0.39259	80.0	0.27205	88.5	484553	3756938	20.1	188.5618
485553.03	3756938	0.34643	70.6	0.21103	68.7	485553	3756938	22.1	161.3158
486553.03	3756938	0.37025	75.4	0.24805	80.7	486553	3756938	24.8	180.9237
487553.03	3756938	0.41255	84.0	0.20793	67.6	487553	3756938	21.7	173.3874
488553.03	3756938	0.39918	81.3	0.16266	52.9	488553	3756938	17.9	152.1375
489553.03	3756938	0.26633	54.3	0.13946	45.4	489553	3756938	11.7	111.3308
490553.03	3756938	0.27063	55.1	0.13257	43.1	490553	3756938	12.5	110.7272
491553.03	3756938	0.22791	46.4	0.10418	33.9	491553	3756938	10.8	91.1381
492553.03	3756938	0.1926	39.2	0.09559	31.1	492553	3756938	7.3	77.5903
493553.03	3756938	0.24184	49.3	0.11787	38.3	493553	3756938	8.5	96.1633
494553.03	3756938	0.15936	32.5	0.07285	23.7	494553	3756938	7.8	63.9240
495553.03	3756938	0.13229	26.9	0.07088	23.1	495553	3756938	6.9	56.9260
496553.03	3756938	0.13065	26.6	0.06375	20.7	496553	3756938	6.5	53.8940
497553.03	3756938	0.12414	25.3	0.06325	20.6	497553	3756938	6.3	52.1524
498553.03	3756938	0.10534	21.5	0.05272	17.2	498553	3756938	5.8	44.4383
499553.03	3756938	0.09773	19.9	0.0518	16.9	499553	3756938	6.0	42.7935
500553.03	3756938	0.11337	23.1	0.05757	18.7	500553	3756938	6.3	48.1727
501553.03	3756938	0.1242	25.3	0.05916	19.2	501553	3756938	6.4	50.9188
502553.03	3756938	0.10383	21.2	0.04865	15.8	502553	3756938	6.1	43.0798
503553.03	3756938	0.09404	19.2	0.04467	14.5	503553	3756938	5.6	39.2744
504553.03	3756938	0.08429	17.2	0.03907	12.7	504553	3756938	5.2	35.1253
505553.03	3756938	0.067	13.6	0.03041	9.9	505553	3756938	5.5	29.0325
461553.03	3757938	0.05371	10.9	0.02974	9.7	461553	3757938	3.1	23.7570
462553.03	3757938	0.05105	10.4	0.02708	8.8	462553	3757938	3.4	22.5754
463553.03	3757938	0.04974	10.1	0.02456	8.0	463553	3757938	3.6	21.7099
464553.03	3757938	0.05627	11.5	0.02444	8.0	464553	3757938	3.8	23.1918
465553.03	3757938	0.06362	13.0	0.02552	8.3	465553	3757938	3.8	25.0335
466553.03	3757938	0.07033	14.3	0.02899	9.4	466553	3757938	4.0	27.7186
467553.03	3757938	0.07476	15.2	0.03308	10.8	467553	3757938	4.2	30.1494
468553.03	3757938	0.0762	15.5	0.03592	11.7	468553	3757938	4.4	31.5625
469553.03	3757938	0.08067	16.4	0.03774	12.3	469553	3757938	4.4	33.1581
470553.03	3757938	0.08011	16.3	0.04191	13.6	470553	3757938	4.5	34.5010
471553.03	3757938	0.07748	15.8	0.04146	13.5	471553	3757938	5.2	34.4749
472553.03	3757938	0.11077	22.6	0.05145	16.7	472553	3757938	6.1	45.3923
473553.03	3757938	0.07336	14.9	0.04136	13.5	473553	3757938	5.9	34.2771
474553.03	3757938	0.08161	16.6	0.04376	14.2	474553	3757938	5.8	36.6126
475553.03	3757938	0.1511	30.8	0.07782	25.3	475553	3757938	8.0	64.0611
476553.03	3757938	0.17838	36.3	0.08917	29.0	476553	3757938	7.7	73.0457
477553.03	3757938	0.21012	42.8	0.0966	31.4	477553	3757938	9.2	83.4084
478553.03	3757938	0.20544	41.9	0.11189	36.4	478553	3757938	10.5	88.7989
479553.03	3757938	0.1735	35.3	0.0924	30.1	479553	3757938	9.8	75.2489
480553.03	3757938	0.13345	27.2	0.08377	27.3	480553	3757938	10.5	64.9517
481553.03	3757938	0.17601	35.9	0.08376	27.3	481553	3757938	9.9	72.9982
482553.03	3757938	0.1749	35.6	0.16304	53.0	482553	3757938	14.4	103.0943
483553.03	3757938	0.24229	49.4	0.10984	35.7	483553	3757938	14.2	99.3289
484553.03	3757938	0.25411	51.8	0.14805	48.2	484553	3757938	16.0	115.9062
485553.03	3757938	0.29087	59.3	0.16349	53.2	485553	3757938	14.4	126.8409
486553.03	3757938	0.24047	49.0	0.14382	46.8	486553	3757938	15.1	110.8432
487553.03	3757938	0.25961	52.9	0.13667	44.5	487553	3757938	13.5	110.8126
488553.03	3757938	0.25834	52.6	0.14717	47.9	488553	3757938	12.3	112.8103
489553.03	3757938	0.22532	45.9	0.14851	48.3	489553	3757938	12.0	106.2423
490553.03	3757938	0.22738	46.3	0.10979	35.7	490553	3757938	10.4	92.4257
491553.03	3757938	0.19859	40.5	0.10386	33.8	491553	3757938	10.0	84.2376
492553.03	3757938	0.16842	34.3	0.0798	26.0	492553	3757938	9.3	69.6182
493553.03	3757938	0.21546	43.9	0.1135	36.9	493553	3757938	9.9	90.6949
494553.03	3757938	0.16079	32.8	0.0808	26.3	494553	3757938	7.7	66.7488
495553.03	3757938	0.16808	34.2	0.08976	29.2	495553	3757938	7.1	70.5341
496553.03	3757938	0.1116	22.7	0.05318	17.3	496553	3757938	6.5	46.4935

497553.03	3757938	0.11166	22.7	0.05722	18.6	497553	3757938	5.1	46.4974
498553.03	3757938	0.10317	21.0	0.0487	15.8	498553	3757938	5.4	42.2276
499553.03	3757938	0.10612	21.6	0.05434	17.7	499553	3757938	5.5	44.7532
500553.03	3757938	0.08697	17.7	0.0438	14.3	500553	3757938	5.2	37.1775
501553.03	3757938	0.08491	17.3	0.0413	13.4	501553	3757938	5.0	35.7636
502553.03	3757938	0.08188	16.7	0.03891	12.7	502553	3757938	4.7	34.0836
503553.03	3757938	0.09034	18.4	0.04277	13.9	503553	3757938	4.8	37.1310
504553.03	3757938	0.104	21.2	0.04929	16.0	504553	3757938	5.2	42.4081
505553.03	3757938	0.07787	15.9	0.0368	12.0	505553	3757938	5.4	33.2618
461553.03	3758938	0.05371	10.9	0.02201	7.2	461553	3758938	3.4	21.5089
462553.03	3758938	0.0595	12.1	0.0247	8.0	462553	3758938	3.5	23.6794
463553.03	3758938	0.06345	12.9	0.02781	9.0	463553	3758938	3.6	25.6207
464553.03	3758938	0.06411	13.1	0.02991	9.7	464553	3758938	3.7	26.4983
465553.03	3758938	0.0689	14.0	0.03057	9.9	465553	3758938	3.6	27.5914
466553.03	3758938	0.06978	14.2	0.03243	10.6	466553	3758938	3.7	28.4550
467553.03	3758938	0.0655	13.3	0.03349	10.9	467553	3758938	4.1	28.3195
468553.03	3758938	0.06053	12.3	0.03175	10.3	468553	3758938	4.2	26.8913
469553.03	3758938	0.06519	13.3	0.03014	9.8	469553	3758938	4.4	27.5313
470553.03	3758938	0.06837	13.9	0.0327	10.6	470553	3758938	4.6	29.1614
471553.03	3758938	0.07587	15.5	0.03508	11.4	471553	3758938	4.5	31.3932
472553.03	3758938	0.08255	16.8	0.04047	13.2	472553	3758938	5.4	35.3642
473553.03	3758938	0.07183	14.6	0.03906	12.7	473553	3758938	4.8	32.1609
474553.03	3758938	0.1345	27.4	0.06463	21.0	474553	3758938	7.2	55.5950
475553.03	3758938	0.16575	33.8	0.0825	26.8	475553	3758938	7.6	68.2196
476553.03	3758938	0.18815	38.3	0.09485	30.9	476553	3758938	8.5	77.7268
477553.03	3758938	0.18739	38.2	0.09864	32.1	477553	3758938	9.1	79.4167
478553.03	3758938	0.18024	36.7	0.10081	32.8	478553	3758938	10.4	79.8896
479553.03	3758938	0.11335	23.1	0.0628	20.4	479553	3758938	7.9	51.4664
480553.03	3758938	0.11998	24.4	0.06784	22.1	480553	3758938	8.4	54.8809
481553.03	3758938	0.16247	33.1	0.1062	34.6	481553	3758938	11.3	78.9072
482553.03	3758938	0.21084	43.0	0.08477	27.6	482553	3758938	10.4	80.9744
483553.03	3758938	0.16905	34.4	0.10897	35.5	483553	3758938	9.6	79.4773
484553.03	3758938	0.21366	43.5	0.14459	47.0	484553	3758938	13.2	103.7355
485553.03	3758938	0.29116	59.3	0.13211	43.0	485553	3758938	13.2	115.5112
486553.03	3758938	0.1983	40.4	0.11301	36.8	486553	3758938	12.2	89.3866
487553.03	3758938	0.27793	56.6	0.11281	36.7	487553	3758938	14.8	108.0747
488553.03	3758938	0.22616	46.1	0.13335	43.4	488553	3758938	13.3	102.7789
489553.03	3758938	0.29062	59.2	0.12946	42.1	489553	3758938	13.1	114.4724
490553.03	3758938	0.22643	46.1	0.12544	40.8	490553	3758938	12.5	99.4741
491553.03	3758938	0.23084	47.0	0.09544	31.1	491553	3758938	10.6	88.6579
492553.03	3758938	0.21876	44.6	0.12009	39.1	492553	3758938	10.2	93.8544
493553.03	3758938	0.17255	35.2	0.07536	24.5	493553	3758938	9.5	69.2008
494553.03	3758938	0.18691	38.1	0.08834	28.7	494553	3758938	8.8	75.5994
495553.03	3758938	0.15378	31.3	0.07843	25.5	495553	3758938	7.2	64.0713
496553.03	3758938	0.15637	31.9	0.06539	21.3	496553	3758938	6.7	59.8214
497553.03	3758938	0.11871	24.2	0.0663	21.6	497553	3758938	6.0	51.7780
498553.03	3758938	0.08668	17.7	0.04553	14.8	498553	3758938	5.5	38.0036
499553.03	3758938	0.09394	19.1	0.04625	15.0	499553	3758938	4.5	38.6739
500553.03	3758938	0.08181	16.7	0.03887	12.6	500553	3758938	3.9	33.2519
501553.03	3758938	0.08787	17.9	0.04001	13.0	501553	3758938	4.3	35.2424
502553.03	3758938	0.08932	18.2	0.04307	14.0	502553	3758938	4.7	36.9205
503553.03	3758938	0.0743	15.1	0.03478	11.3	503553	3758938	4.7	31.1661
504553.03	3758938	0.06027	12.3	0.0293	9.5	504553	3758938	4.5	26.3412
505553.03	3758938	0.05491	11.2	0.02612	8.5	505553	3758938	3.2	22.8502
461553.03	3759938	0.05807	11.8	0.02663	8.7	461553	3759938	3.0	23.5159
462553.03	3759938	0.06063	12.4	0.02689	8.7	462553	3759938	3.2	24.3296
463553.03	3759938	0.06297	12.8	0.02994	9.7	463553	3759938	3.7	26.2461
464553.03	3759938	0.05615	11.4	0.0288	9.4	464553	3759938	3.7	24.4735
465553.03	3759938	0.054	11.0	0.027	8.8	465553	3759938	3.7	23.5204
466553.03	3759938	0.05626	11.5	0.02569	8.4	466553	3759938	3.9	23.7350
467553.03	3759938	0.05958	12.1	0.02655	8.6	467553	3759938	3.8	24.5762
468553.03	3759938	0.05783	11.8	0.02842	9.2	468553	3759938	3.7	24.7328
469553.03	3759938	0.06409	13.1	0.0286	9.3	469553	3759938	3.9	26.3086
470553.03	3759938	0.07472	15.2	0.03196	10.4	470553	3759938	4.2	29.8009
471553.03	3759938	0.07917	16.1	0.0377	12.3	471553	3759938	4.4	32.7946
472553.03	3759938	0.10477	21.3	0.04745	15.4	472553	3759938	5.8	42.5398
473553.03	3759938	0.10247	20.9	0.04238	13.8	473553	3759938	5.6	40.2327
474553.03	3759938	0.14441	29.4	0.06914	22.5	474553	3759938	7.4	59.2889
475553.03	3759938	0.14675	29.9	0.08399	27.3	475553	3759938	7.6	64.8001
476553.03	3759938	0.16027	32.6	0.08008	26.1	476553	3759938	8.4	67.0959
477553.03	3759938	0.09269	18.9	0.05553	18.1	477553	3759938	7.5	44.4945
478553.03	3759938	0.1356	27.6	0.06908	22.5	478553	3759938	8.9	58.9769
479553.03	3759938	0.10892	22.2	0.05783	18.8	479553	3759938	8.8	49.7583
480553.03	3759938	0.15694	32.0	0.07788	25.3	480553	3759938	9.2	66.5530
481553.03	3759938	0.11582	23.6	0.06881	22.4	481553	3759938	7.7	53.6822
482553.03	3759938	0.1274	26.0	0.08573	27.9	482553	3759938	7.0	60.8952
483553.03	3759938	0.1762	35.9	0.08271	26.9	483553	3759938	9.9	72.7359
484553.03	3759938	0.22185	45.2	0.10577	34.4	484553	3759938	11.6	91.2497
485553.03	3759938	0.29371	59.8	0.14152	46.0	485553	3759938	13.1	118.9927
486553.03	3759938	0.28744	58.6	0.15689	51.0	486553	3759938	14.0	123.5741
487553.03	3759938	0.31218	63.6	0.14175	46.1	487553	3759938	13.8	123.5479
488553.03	3759938	0.32424	66.1	0.15872	51.6	488553	3759938	13.9	131.5667
489553.03	3759938	0.28912	58.9	0.1488	48.4	489553	3759938	13.7	121.0552
490553.03	3759938	0.242	49.3	0.12931	42.1	490553	3759938	12.4	103.7620
491553.03	3759938	0.2067	42.1	0.08667	28.2	491553	3759938	10.4	80.6690
492553.03	3759938	0.17051	34.7	0.08389	27.3	492553	3759938	8.9	70.9041
493553.03	3759938	0.1617	32.9	0.09052	29.5	493553	3759938	7.9	70.3344
494553.03	3759938	0.12305	25.1	0.05924	19.3	494553	3759938	7.9	52.2742
495553.03	3759938	0.1456	29.7	0.05656	18.4	495553	3759938	7.1	55.1736
496553.03	3759938	0.1317	26.8	0.05423	17.6	496553	3759938	7.1	51.5294
497553.03	3759938	0.09446	19.2	0.04784	15.6	497553	3759938	5.3	40.1414
498553.03	3759938	0.13107	26.7	0.05937	19.3	498553	3759938	5.1	51.1550
499553.03	3759938	0.08313	16.9	0.04809	15.6	499553	3759938	4.8	37.3673
500553.03	3759938	0.07571	15.4	0.03674	12.0	500553	3759938	4.8	32.1885
501553.03	3759938	0.08101	16.5	0.03883	12.6	501553	3759938	4.4	33.5862
502553.03	3759938	0.06553	13.3	0.03171	10.3	502553	3759938	3.7	27.3662

503553.03	3759938	0.06436	13.1	0.03048	9.9	503553	3759938	3.2	26.2068
504553.03	3759938	0.06046	12.3	0.02836	9.2	504553	3759938	2.7	24.2602
505553.03	3759938	0.0507	10.3	0.02507	8.2	505553	3759938	2.5	20.9466
461553.03	3760938	0.05006	10.2	0.02545	8.3	461553	3760938	3.2	21.6982
462553.03	3760938	0.0479	9.8	0.02367	7.7	462553	3760938	3.4	20.9012
463553.03	3760938	0.04826	9.8	0.02257	7.3	463553	3760938	3.4	20.6216
464553.03	3760938	0.05277	10.8	0.02301	7.5	464553	3760938	3.3	21.5137
465553.03	3760938	0.05188	10.6	0.02465	8.0	465553	3760938	3.3	21.8406
466553.03	3760938	0.05501	11.2	0.02455	8.0	466553	3760938	3.4	22.6313
467553.03	3760938	0.06063	12.4	0.02608	8.5	467553	3760938	3.6	24.4137
468553.03	3760938	0.06501	13.2	0.02893	9.4	468553	3760938	3.7	26.3768
469553.03	3760938	0.06857	14.0	0.03241	10.5	469553	3760938	3.9	28.4063
470553.03	3760938	0.08446	17.2	0.03589	11.7	470553	3760938	4.2	33.1008
471553.03	3760938	0.10621	21.6	0.04425	14.4	471553	3760938	5.2	41.1920
472553.03	3760938	0.12202	24.9	0.05293	17.2	472553	3760938	6.3	48.4079
473553.03	3760938	0.12797	26.1	0.06279	20.4	473553	3760938	6.3	52.7623
474553.03	3760938	0.13443	27.4	0.06959	22.6	474553	3760938	7.0	57.0124
475553.03	3760938	0.12214	24.9	0.06927	22.5	475553	3760938	7.9	55.3099
476553.03	3760938	0.07647	15.6	0.04919	16.0	476553	3760938	6.0	37.5553
477553.03	3760938	0.0832	16.9	0.04961	16.1	477553	3760938	6.5	39.5735
478553.03	3760938	0.12709	25.9	0.07312	23.8	478553	3760938	8.8	58.5109
479553.03	3760938	0.18585	37.9	0.08025	26.1	479553	3760938	9.2	73.1284
480553.03	3760938	0.10003	20.4	0.06008	19.5	480553	3760938	7.6	47.5484
481553.03	3760938	0.15454	31.5	0.06223	20.2	481553	3760938	7.0	58.7381
482553.03	3760938	0.13571	27.6	0.07391	24.0	482553	3760938	9.6	61.3352
483553.03	3760938	0.1615	32.9	0.11146	36.3	483553	3760938	9.9	79.0634
484553.03	3760938	0.21001	42.8	0.10744	35.0	484553	3760938	10.7	88.4319
485553.03	3760938	0.25837	52.6	0.1369	44.5	485553	3760938	10.1	107.2770
486553.03	3760938	0.25332	51.6	0.13612	44.3	486553	3760938	10.0	105.9096
487553.03	3760938	0.28378	57.8	0.14017	45.6	487553	3760938	10.9	114.3014
488553.03	3760938	0.26117	53.2	0.12341	40.2	488553	3760938	11.6	104.9955
489553.03	3760938	0.17292	35.2	0.10718	34.9	489553	3760938	10.5	80.5717
490553.03	3760938	0.20444	41.6	0.09097	29.6	490553	3760938	9.9	81.1558
491553.03	3760938	0.13547	27.6	0.09362	30.5	491553	3760938	9.2	67.2067
492553.03	3760938	0.13047	26.6	0.06491	21.1	492553	3760938	7.9	55.6306
493553.03	3760938	0.13022	26.5	0.07486	24.4	493553	3760938	7.5	58.4274
494553.03	3760938	0.12937	26.4	0.07345	23.9	494553	3760938	6.8	57.0564
495553.03	3760938	0.0963	19.6	0.04988	16.2	495553	3760938	6.9	42.7215
496553.03	3760938	0.10346	21.1	0.04458	14.5	496553	3760938	6.5	42.1199
497553.03	3760938	0.09647	19.7	0.0552	18.0	497553	3760938	6.1	43.7334
498553.03	3760938	0.09763	19.9	0.0502	16.3	498553	3760938	5.8	42.0110
499553.03	3760938	0.07848	16.0	0.03749	12.2	499553	3760938	3.8	31.9472
500553.03	3760938	0.06991	14.2	0.03421	11.1	500553	3760938	3.4	28.7313
501553.03	3760938	0.06549	13.3	0.03152	10.3	501553	3760938	2.9	26.5019
502553.03	3760938	0.06264	12.8	0.02996	9.7	502553	3760938	3.5	25.9666
503553.03	3760938	0.05806	11.8	0.02813	9.2	503553	3760938	2.9	23.8985
504553.03	3760938	0.05415	11.0	0.02628	8.6	504553	3760938	2.7	22.2382
505553.03	3760938	0.04907	10.0	0.02372	7.7	505553	3760938	2.0	19.7524
461553.03	3761938	0.04711	9.6	0.02025	6.6	461553	3761938	3.0	19.1494
462553.03	3761938	0.04771	9.7	0.02199	7.2	462553	3761938	2.9	19.8168
463553.03	3761938	0.04652	9.5	0.02238	7.3	463553	3761938	3.1	19.8679
464553.03	3761938	0.05083	10.4	0.02181	7.1	464553	3761938	3.2	20.6642
465553.03	3761938	0.05646	11.5	0.02398	7.8	465553	3761938	3.3	22.6042
466553.03	3761938	0.05997	12.2	0.02664	8.7	466553	3761938	3.4	24.2763
467553.03	3761938	0.06229	12.7	0.02837	9.2	467553	3761938	3.4	25.2816
468553.03	3761938	0.0708	14.4	0.03006	9.8	468553	3761938	3.8	28.0163
469553.03	3761938	0.07974	16.2	0.03528	11.5	469553	3761938	4.2	31.9591
470553.03	3761938	0.10697	21.8	0.0433	14.1	470553	3761938	4.6	40.4514
471553.03	3761938	0.11967	24.4	0.05822	18.9	471553	3761938	5.7	49.0129
472553.03	3761938	0.10701	21.8	0.06294	20.5	472553	3761938	6.0	48.2658
473553.03	3761938	0.10873	22.2	0.0485	15.8	473553	3761938	6.8	44.7745
474553.03	3761938	0.12066	24.6	0.06405	20.8	474553	3761938	6.9	52.3134
475553.03	3761938	0.06844	13.9	0.04687	15.2	475553	3761938	5.7	34.9061
476553.03	3761938	0.08827	18.0	0.04804	15.6	476553	3761938	7.4	41.0104
477553.03	3761938	0.12028	24.5	0.0686	22.3	477553	3761938	8.0	54.7952
478553.03	3761938	0.17837	36.3	0.07749	25.2	478553	3761938	8.3	69.8233
479553.03	3761938	0.11494	23.4	0.08263	26.9	479553	3761938	8.1	58.4361
480553.03	3761938	0.14865	30.3	0.05763	18.7	480553	3761938	7.7	56.7038
481553.03	3761938	0.16372	33.4	0.10818	35.2	481553	3761938	9.0	77.5494
482553.03	3761938	0.20212	41.2	0.082	26.7	482553	3761938	9.9	77.7257
483553.03	3761938	0.20701	42.2	0.09827	32.0	483553	3761938	8.9	83.0608
484553.03	3761938	0.15112	30.8	0.08452	27.5	484553	3761938	6.6	64.8431
485553.03	3761938	0.22578	46.0	0.12462	40.5	485553	3761938	9.3	95.8670
486553.03	3761938	0.22302	45.4	0.12319	40.1	486553	3761938	10.6	96.1607
487553.03	3761938	0.2172	44.2	0.10502	34.2	487553	3761938	10.3	88.6916
488553.03	3761938	0.19163	39.0	0.10465	34.0	488553	3761938	9.7	82.7996
489553.03	3761938	0.16775	34.2	0.09808	31.9	489553	3761938	9.4	75.4975
490553.03	3761938	0.14939	30.4	0.07175	23.3	490553	3761938	8.8	62.5369
491553.03	3761938	0.18362	37.4	0.07981	26.0	491553	3761938	8.1	71.4336
492553.03	3761938	0.12254	25.0	0.0587	19.1	492553	3761938	7.4	51.4591
493553.03	3761938	0.11308	23.0	0.05888	19.2	493553	3761938	6.9	49.1263
494553.03	3761938	0.1015	20.7	0.05816	18.9	494553	3761938	6.3	45.8928
495553.03	3761938	0.10713	21.8	0.05966	19.4	495553	3761938	5.9	47.1369
496553.03	3761938	0.09083	18.5	0.04613	15.0	496553	3761938	6.0	39.5183
497553.03	3761938	0.08693	17.7	0.04254	13.8	497553	3761938	6.1	37.6656
498553.03	3761938	0.09767	19.9	0.04689	15.3	498553	3761938	5.3	40.4257
499553.03	3761938	0.07789	15.9	0.03533	11.5	499553	3761938	4.3	31.6836
500553.03	3761938	0.05758	11.7	0.02775	9.0	500553	3761938	2.0	22.7617
501553.03	3761938	0.06157	12.5	0.02996	9.7	501553	3761938	2.5	24.8165
502553.03	3761938	0.05521	11.2	0.02597	8.4	502553	3761938	2.1	21.8002
503553.03	3761938	0.05478	11.2	0.02593	8.4	503553	3761938	2.2	21.8127
504553.03	3761938	0.05137	10.5	0.0246	8.0	504553	3761938	2.2	20.6377
505553.03	3761938	0.04616	9.4	0.02225	7.2	505553	3761938	1.8	18.4746
461553.03	3762938	0.046	9.4	0.02059	6.7	461553	3762938	3.0	19.0903
462553.03	3762938	0.0483	9.8	0.02153	7.0	462553	3762938	3.1	19.8961
463553.03	3762938	0.05394	11.0	0.02253	7.3	463553	3762938	3.1	21.4160

464553.03	3762938	0.05494	11.2	0.02503	8.1	464553	3762938	3.1	22.4830
465553.03	3762938	0.05703	11.6	0.02577	8.4	465553	3762938	3.0	22.9870
466553.03	3762938	0.06616	13.5	0.02718	8.8	466553	3762938	3.6	25.9551
467553.03	3762938	0.06776	13.8	0.03133	10.2	467553	3762938	3.8	27.8056
468553.03	3762938	0.08748	17.8	0.0334	10.9	468553	3762938	3.9	32.5638
469553.03	3762938	0.09163	18.7	0.04431	14.4	469553	3762938	3.7	36.7954
470553.03	3762938	0.09631	19.6	0.04648	15.1	470553	3762938	4.0	38.6922
471553.03	3762938	0.08506	17.3	0.04768	15.5	471553	3762938	5.5	38.3881
472553.03	3762938	0.09328	19.0	0.04429	14.4	472553	3762938	5.6	39.0148
473553.03	3762938	0.09074	18.5	0.04548	14.8	473553	3762938	4.6	37.8578
474553.03	3762938	0.08424	17.2	0.04776	15.5	474553	3762938	5.6	38.3240
475553.03	3762938	0.11868	24.2	0.06145	20.0	475553	3762938	7.8	51.9306
476553.03	3762938	0.10176	20.7	0.05041	16.4	476553	3762938	7.4	44.5466
477553.03	3762938	0.15471	31.5	0.05474	17.8	477553	3762938	7.4	56.7565
478553.03	3762938	0.14088	28.7	0.08489	27.6	478553	3762938	8.1	64.4189
479553.03	3762938	0.10316	21.0	0.06012	19.6	479553	3762938	7.7	48.2459
480553.03	3762938	0.1537	31.3	0.0726	23.6	480553	3762938	8.0	62.9218
481553.03	3762938	0.12915	26.3	0.06338	20.6	481553	3762938	8.9	55.7817
482553.03	3762938	0.16039	32.7	0.09004	29.3	482553	3762938	7.7	69.6331
483553.03	3762938	0.17056	34.7	0.07657	24.9	483553	3762938	6.0	65.6230
484553.03	3762938	0.1353	27.6	0.06952	22.6	484553	3762938	5.8	55.9634
485553.03	3762938	0.20198	41.1	0.11364	37.0	485553	3762938	8.9	87.0653
486553.03	3762938	0.20671	42.1	0.11014	35.8	486553	3762938	9.2	87.1661
487553.03	3762938	0.16413	33.4	0.0969	31.5	487553	3762938	9.2	74.1893
488553.03	3762938	0.21006	42.8	0.10813	35.2	488553	3762938	9.5	87.4314
489553.03	3762938	0.21175	43.1	0.11025	35.9	489553	3762938	9.5	88.4585
490553.03	3762938	0.17341	35.3	0.09449	30.7	490553	3762938	8.9	75.0130
491553.03	3762938	0.16244	33.1	0.07092	23.1	491553	3762938	8.3	64.4649
492553.03	3762938	0.11752	23.9	0.08399	27.3	492553	3762938	7.6	58.8505
493553.03	3762938	0.11386	23.2	0.05388	17.5	493553	3762938	6.5	47.2677
494553.03	3762938	0.10577	21.5	0.04929	16.0	494553	3762938	6.2	43.7565
495553.03	3762938	0.09232	18.8	0.0477	15.5	495553	3762938	5.6	39.9681
496553.03	3762938	0.0926	18.9	0.05434	17.7	496553	3762938	5.4	41.9215
497553.03	3762938	0.07909	16.1	0.03939	12.8	497553	3762938	5.2	34.1136
498553.03	3762938	0.07702	15.7	0.03631	11.8	498553	3762938	5.7	33.2345
499553.03	3762938	0.07418	15.1	0.03441	11.2	499553	3762938	4.2	30.4622
500553.03	3762938	0.06435	13.1	0.03125	10.2	500553	3762938	3.4	26.6622
501553.03	3762938	0.05908	12.0	0.02911	9.5	501553	3762938	2.5	23.9918
502553.03	3762938	0.05533	11.3	0.02508	8.2	502553	3762938	2.2	21.5860
503553.03	3762938	0.04946	10.1	0.02349	7.6	503553	3762938	1.9	19.6108
504553.03	3762938	0.04491	9.1	0.02152	7.0	504553	3762938	1.7	17.8866
505553.03	3762938	0.04159	8.5	0.02004	6.5	505553	3762938	1.6	16.6090
461553.03	3763938	0.05236	10.7	0.02215	7.2	461553	3763938	3.0	20.9115
462553.03	3763938	0.0569	11.6	0.02644	8.6	462553	3763938	3.2	23.3594
463553.03	3763938	0.05428	11.1	0.02432	7.9	463553	3763938	3.1	22.0419
464553.03	3763938	0.06205	12.6	0.02559	8.3	464553	3763938	3.5	24.5008
465553.03	3763938	0.06088	12.4	0.02882	9.4	465553	3763938	3.5	25.3200
466553.03	3763938	0.07997	16.3	0.02833	9.2	466553	3763938	3.6	29.0844
467553.03	3763938	0.08705	17.7	0.0383	12.5	467553	3763938	3.4	33.5578
468553.03	3763938	0.09381	19.1	0.04093	13.3	468553	3763938	3.4	35.7930
469553.03	3763938	0.07889	16.1	0.04455	14.5	469553	3763938	4.7	35.2249
470553.03	3763938	0.08363	17.0	0.0368	12.0	470553	3763938	5.1	34.1336
471553.03	3763938	0.07913	16.1	0.04238	13.8	471553	3763938	4.4	34.2621
472553.03	3763938	0.08331	17.0	0.04139	13.5	472553	3763938	4.5	34.9472
473553.03	3763938	0.08266	16.8	0.04226	13.7	473553	3763938	6.0	36.5800
474553.03	3763938	0.08509	17.3	0.03599	11.7	474553	3763938	6.3	35.3228
475553.03	3763938	0.09152	18.6	0.04508	14.7	475553	3763938	6.7	39.9673
476553.03	3763938	0.13056	26.6	0.04394	14.3	476553	3763938	6.7	47.6065
477553.03	3763938	0.12796	26.1	0.07615	24.8	477553	3763938	7.1	57.8994
478553.03	3763938	0.09797	20.0	0.05696	18.5	478553	3763938	7.0	45.4797
479553.03	3763938	0.15987	32.6	0.07045	22.9	479553	3763938	7.4	62.8557
480553.03	3763938	0.09686	19.7	0.07319	23.8	480553	3763938	7.8	51.3456
481553.03	3763938	0.13345	27.2	0.04746	15.4	481553	3763938	7.7	50.3625
482553.03	3763938	0.11075	22.6	0.06955	22.6	482553	3763938	5.3	50.4897
483553.03	3763938	0.13024	26.5	0.05829	19.0	483553	3763938	5.3	50.7878
484553.03	3763938	0.1796	36.6	0.09534	31.0	484553	3763938	7.0	74.6363
485553.03	3763938	0.15199	31.0	0.09652	31.4	485553	3763938	8.1	70.4550
486553.03	3763938	0.15671	31.9	0.08266	26.9	486553	3763938	7.8	66.5696
487553.03	3763938	0.10656	21.7	0.07305	23.8	487553	3763938	7.7	53.2047
488553.03	3763938	0.15686	32.0	0.08601	28.0	488553	3763938	8.1	68.0364
489553.03	3763938	0.17032	34.7	0.08315	27.1	489553	3763938	8.1	69.8454
490553.03	3763938	0.16503	33.6	0.08892	28.9	490553	3763938	8.4	70.9007
491553.03	3763938	0.12092	24.6	0.07451	24.2	491553	3763938	7.7	56.5660
492553.03	3763938	0.16269	33.1	0.06884	22.4	492553	3763938	7.2	62.6945
493553.03	3763938	0.09807	20.0	0.05554	18.1	493553	3763938	6.8	44.8323
494553.03	3763938	0.10552	21.5	0.04517	14.7	494553	3763938	5.5	41.7324
495553.03	3763938	0.10448	21.3	0.04346	14.1	495553	3763938	5.6	41.0085
496553.03	3763938	0.08528	17.4	0.03994	13.0	496553	3763938	5.1	35.5114
497553.03	3763938	0.08099	16.5	0.04756	15.5	497553	3763938	4.9	36.8966
498553.03	3763938	0.07087	14.4	0.03414	11.1	498553	3763938	4.6	30.1169
499553.03	3763938	0.06824	13.9	0.03217	10.5	499553	3763938	5.3	29.7042
500553.03	3763938	0.06255	12.7	0.03015	9.8	500553	3763938	4.0	26.5461
501553.03	3763938	0.05724	11.7	0.02729	8.9	501553	3763938	2.4	22.9166
502553.03	3763938	0.0475	9.7	0.02243	7.3	502553	3763938	1.8	18.7514
503553.03	3763938	0.0443	9.0	0.02076	6.8	503553	3763938	1.6	17.4268
504553.03	3763938	0.04224	8.6	0.02098	6.8	504553	3763938	1.7	17.0987
505553.03	3763938	0.03738	7.6	0.01788	5.8	505553	3763938	1.4	14.8383
461553.03	3764938	0.05232	10.7	0.02321	7.6	461553	3764938	3.1	21.3476
462553.03	3764938	0.06229	12.7	0.02577	8.4	462553	3764938	3.6	24.6855
463553.03	3764938	0.06186	12.6	0.0289	9.4	463553	3764938	3.6	25.6004
464553.03	3764938	0.07299	14.9	0.0276	9.0	464553	3764938	3.5	27.3024
465553.03	3764938	0.08293	16.9	0.03451	11.2	465553	3764938	3.2	31.3224
466553.03	3764938	0.08465	17.2	0.03843	12.5	466553	3764938	3.1	32.8197
467553.03	3764938	0.08332	17.0	0.04019	13.1	467553	3764938	4.0	34.0287
468553.03	3764938	0.07082	14.4	0.03864	12.6	468553	3764938	4.7	31.7174
469553.03	3764938	0.08086	16.5	0.03455	11.2	469553	3764938	4.0	31.7448

470553.03	3764938	0.07288	14.8	0.03802	12.4	470553	3764938	3.7	30.8709
471553.03	3764938	0.06873	14.0	0.03683	12.0	471553	3764938	4.2	30.2175
472553.03	3764938	0.07668	15.6	0.03756	12.2	472553	3764938	6.0	33.8115
473553.03	3764938	0.08281	16.9	0.03472	11.3	473553	3764938	5.7	33.8380
474553.03	3764938	0.0833	17.0	0.04084	13.3	474553	3764938	6.0	36.2079
475553.03	3764938	0.11612	23.7	0.04029	13.1	475553	3764938	6.1	42.8612
476553.03	3764938	0.10557	21.5	0.06489	21.1	476553	3764938	6.2	48.8098
477553.03	3764938	0.11242	22.9	0.06281	20.4	477553	3764938	6.4	49.6977
478553.03	3764938	0.11574	23.6	0.05277	17.2	478553	3764938	5.6	46.3248
479553.03	3764938	0.11841	24.1	0.0673	21.9	479553	3764938	6.7	52.6700
480553.03	3764938	0.09106	18.6	0.04304	14.0	480553	3764938	7.1	39.6183
481553.03	3764938	0.12282	25.0	0.0503	16.4	481553	3764938	5.2	46.6329
482553.03	3764938	0.10758	21.9	0.05227	17.0	482553	3764938	4.8	43.6735
483553.03	3764938	0.14122	28.8	0.07434	24.2	483553	3764938	5.6	58.5418
484553.03	3764938	0.16338	33.3	0.08695	28.3	484553	3764938	7.2	68.7797
485553.03	3764938	0.15131	30.8	0.08823	28.7	485553	3764938	7.8	67.2906
486553.03	3764938	0.16166	32.9	0.0853	27.8	486553	3764938	7.7	68.3672
487553.03	3764938	0.11914	24.3	0.0748	24.3	487553	3764938	7.5	56.1032
488553.03	3764938	0.14953	30.5	0.07339	23.9	488553	3764938	7.3	61.6535
489553.03	3764938	0.16236	33.1	0.07712	25.1	489553	3764938	7.6	65.7594
490553.03	3764938	0.13063	26.6	0.07988	26.0	490553	3764938	7.4	59.9895
491553.03	3764938	0.14463	29.5	0.06639	21.6	491553	3764938	7.1	58.2105
492553.03	3764938	0.12716	25.9	0.05391	17.5	492553	3764938	6.8	50.2524
493553.03	3764938	0.10882	22.2	0.0691	22.5	493553	3764938	5.9	50.5026
494553.03	3764938	0.08795	17.9	0.03809	12.4	494553	3764938	5.8	36.1311
495553.03	3764938	0.0827	16.8	0.04256	13.8	495553	3764938	4.9	35.5496
496553.03	3764938	0.09002	18.3	0.0365	11.9	496553	3764938	5.1	35.2711
497553.03	3764938	0.07965	16.2	0.03502	11.4	497553	3764938	4.7	32.3008
498553.03	3764938	0.06592	13.4	0.03434	11.2	498553	3764938	3.5	28.1510
499553.03	3764938	0.06201	12.6	0.02973	9.7	499553	3764938	2.7	25.0508
500553.03	3764938	0.05743	11.7	0.02796	9.1	500553	3764938	3.4	24.1532
501553.03	3764938	0.04697	9.6	0.02187	7.1	501553	3764938	1.8	18.5223
502553.03	3764938	0.03939	8.0	0.01892	6.2	502553	3764938	1.5	15.6341
503553.03	3764938	0.03646	7.4	0.01787	5.8	503553	3764938	1.4	14.5947
504553.03	3764938	0.03248	6.6	0.01703	5.5	504553	3764938	1.3	13.4443
505553.03	3764938	0.03028	6.2	0.01349	4.4	505553	3764938	1.1	11.6312
461553.03	3765938	0.05772	11.8	0.02669	8.7	461553	3765938	3.4	23.8072
462553.03	3765938	0.07084	14.4	0.02863	9.3	462553	3765938	3.5	27.2793
463553.03	3765938	0.07849	16.0	0.03132	10.2	463553	3765938	3.1	29.2593
464553.03	3765938	0.07668	15.6	0.03666	11.9	464553	3765938	3.0	30.5399
465553.03	3765938	0.08353	17.0	0.03664	11.9	465553	3765938	3.5	32.4812
466553.03	3765938	0.06888	14.0	0.03806	12.4	466553	3765938	4.3	30.7364
467553.03	3765938	0.07365	15.0	0.03152	10.3	467553	3765938	4.2	29.4194
468553.03	3765938	0.07983	16.3	0.03802	12.4	468553	3765938	4.0	32.6159
469553.03	3765938	0.07122	14.5	0.03333	10.8	469553	3765938	3.5	28.8928
470553.03	3765938	0.0589	12.0	0.03355	10.9	470553	3765938	3.9	26.8486
471553.03	3765938	0.0607	12.4	0.02702	8.8	471553	3765938	5.1	26.2910
472553.03	3765938	0.07832	16.0	0.03249	10.6	472553	3765938	5.2	31.7121
473553.03	3765938	0.07635	15.6	0.03729	12.1	473553	3765938	5.3	32.9828
474553.03	3765938	0.09888	20.1	0.036	11.7	474553	3765938	5.5	37.3206
475553.03	3765938	0.11058	22.5	0.05579	18.2	475553	3765938	5.6	46.2716
476553.03	3765938	0.07146	14.6	0.04869	15.8	476553	3765938	4.7	35.1470
477553.03	3765938	0.08131	16.6	0.03331	10.8	477553	3765938	4.5	31.9038
478553.03	3765938	0.12773	26.0	0.05056	16.4	478553	3765938	5.3	47.7476
479553.03	3765938	0.07971	16.2	0.05662	18.4	479553	3765938	6.5	41.1549
480553.03	3765938	0.10075	20.5	0.03696	12.0	480553	3765938	5.8	38.3951
481553.03	3765938	0.09768	19.9	0.05894	19.2	481553	3765938	4.8	43.8291
482553.03	3765938	0.10596	21.6	0.04651	15.1	482553	3765938	4.5	41.2508
483553.03	3765938	0.10442	21.3	0.05679	18.5	483553	3765938	4.7	44.4053
484553.03	3765938	0.15405	31.4	0.07062	23.0	484553	3765938	5.6	59.9224
485553.03	3765938	0.14877	30.3	0.0773	25.1	485553	3765938	7.2	62.6486
486553.03	3765938	0.17067	34.8	0.08201	26.7	486553	3765938	7.0	68.4830
487553.03	3765938	0.12979	26.4	0.073	23.8	487553	3765938	7.1	57.3098
488553.03	3765938	0.13602	27.7	0.05788	18.8	488553	3765938	6.8	53.3336
489553.03	3765938	0.12781	26.0	0.06383	20.8	489553	3765938	6.6	53.4392
490553.03	3765938	0.14252	29.0	0.06933	22.6	490553	3765938	6.8	58.3560
491553.03	3765938	0.11384	23.2	0.06267	20.4	491553	3765938	6.7	50.2699
492553.03	3765938	0.10144	20.7	0.06173	20.1	492553	3765938	6.3	47.0854
493553.03	3765938	0.13964	28.4	0.05177	16.8	493553	3765938	5.8	51.0604
494553.03	3765938	0.08084	16.5	0.04473	14.6	494553	3765938	5.8	36.7912
495553.03	3765938	0.07598	15.5	0.03584	11.7	495553	3765938	5.0	32.1459
496553.03	3765938	0.07339	15.0	0.03518	11.4	496553	3765938	4.6	30.9886
497553.03	3765938	0.07475	15.2	0.03564	11.6	497553	3765938	4.6	31.4476
498553.03	3765938	0.06117	12.5	0.02975	9.7	498553	3765938	2.9	25.0617
499553.03	3765938	0.04877	9.9	0.02151	7.0	499553	3765938	2.0	18.9583
500553.03	3765938	0.05107	10.4	0.02435	7.9	500553	3765938	2.1	20.4106
501553.03	3765938	0.04509	9.2	0.02035	6.6	501553	3765938	1.8	17.6336
502553.03	3765938	0.02468	5.0	0.01298	4.2	502553	3765938	1.1	10.3502
503553.03	3765938	0.02317	4.7	0.01169	3.8	503553	3765938	0.9	9.4156
504553.03	3765938	0.02369	4.8	0.01083	3.5	504553	3765938	0.9	9.2039
505553.03	3765938	0.02741	5.6	0.01281	4.2	505553	3765938	1.0	10.7945
461553.03	3766938	0.07413	15.1	0.02864	9.3	461553	3766938	3.0	27.4091
462553.03	3766938	0.07543	15.4	0.03429	11.2	462553	3766938	2.9	29.4150
463553.03	3766938	0.07926	16.1	0.03466	11.3	463553	3766938	3.1	30.5160
464553.03	3766938	0.07478	15.2	0.03718	12.1	464553	3766938	4.1	31.4013
465553.03	3766938	0.06159	12.5	0.03368	11.0	465553	3766938	4.1	27.6307
466553.03	3766938	0.07127	14.5	0.02944	9.6	466553	3766938	3.6	27.6577
467553.03	3766938	0.06378	13.0	0.03329	10.8	467553	3766938	3.1	26.9513
468553.03	3766938	0.07195	14.7	0.0327	10.6	468553	3766938	3.9	29.2297
469553.03	3766938	0.05204	10.6	0.03004	9.8	469553	3766938	4.0	24.3912
470553.03	3766938	0.05795	11.8	0.02384	7.8	470553	3766938	4.7	24.2644
471553.03	3766938	0.07039	14.3	0.02795	9.1	471553	3766938	4.7	28.1205
472553.03	3766938	0.07146	14.6	0.03477	11.3	472553	3766938	4.8	30.6488
473553.03	3766938	0.08391	17.1	0.0324	10.5	473553	3766938	4.9	32.4983
474553.03	3766938	0.10258	20.9	0.0473	15.4	474553	3766938	4.9	41.2042
475553.03	3766938	0.06939	14.1	0.04723	15.4	475553	3766938	4.2	33.6621

476553.03	3766938	0.05936	12.1	0.02897	9.4	476553	3766938	4.0	25.5432
477553.03	3766938	0.10854	22.1	0.03174	10.3	477553	3766938	4.3	36.7767
478553.03	3766938	0.08862	18.1	0.05643	18.4	478553	3766938	5.7	42.1220
479553.03	3766938	0.07342	15.0	0.03482	11.3	479553	3766938	5.7	32.0263
480553.03	3766938	0.10894	22.2	0.03892	12.7	480553	3766938	4.1	38.9185
481553.03	3766938	0.08506	17.3	0.05045	16.4	481553	3766938	4.3	38.0085
482553.03	3766938	0.1038	21.1	0.04464	14.5	482553	3766938	4.4	40.0568
483553.03	3766938	0.0933	19.0	0.04818	15.7	483553	3766938	4.4	39.1026
484553.03	3766938	0.12457	25.4	0.04732	15.4	484553	3766938	4.6	45.3497
485553.03	3766938	0.10189	20.8	0.05434	17.7	485553	3766938	5.8	44.2840
486553.03	3766938	0.15626	31.8	0.07524	24.5	486553	3766938	5.8	62.1403
487553.03	3766938	0.14851	30.3	0.0706	23.0	487553	3766938	6.6	59.8684
488553.03	3766938	0.14114	28.8	0.05192	16.9	488553	3766938	6.6	52.1980
489553.03	3766938	0.12292	25.0	0.0621	20.2	489553	3766938	6.4	51.6658
490553.03	3766938	0.1228	25.0	0.05671	18.5	490553	3766938	5.8	49.2390
491553.03	3766938	0.10468	21.3	0.05348	17.4	491553	3766938	5.9	44.5972
492553.03	3766938	0.10054	20.5	0.03895	12.7	492553	3766938	5.4	38.5148
493553.03	3766938	0.08942	18.2	0.03555	11.6	493553	3766938	5.1	34.8620
494553.03	3766938	0.09874	20.1	0.05844	19.0	494553	3766938	5.2	44.2793
495553.03	3766938	0.07166	14.6	0.03452	11.2	495553	3766938	5.5	31.3019
496553.03	3766938	0.07235	14.7	0.03232	10.5	496553	3766938	4.2	29.4650
497553.03	3766938	0.06366	13.0	0.02994	9.7	497553	3766938	4.4	27.1187
498553.03	3766938	0.0599	12.2	0.02944	9.6	498553	3766938	3.4	25.1896
499553.03	3766938	0.05411	11.0	0.0264	8.6	499553	3766938	2.4	21.9939
500553.03	3766938	0.04965	10.1	0.02339	7.6	500553	3766938	2.2	19.9651
501553.03	3766938	0.04313	8.8	0.02036	6.6	501553	3766938	1.8	17.1638
502553.03	3766938	0.02128	4.3	0.00803	2.6	502553	3766938	0.8	7.7572
503553.03	3766938	0.01974	4.0	0.00889	2.9	503553	3766938	0.8	7.7413
504553.03	3766938	0.02137	4.4	0.00975	3.2	504553	3766938	0.8	8.3502
505553.03	3766938	0.02012	4.1	0.00909	3.0	505553	3766938	0.8	7.8227
461553.03	3767938	0.07384	15.0	0.03405	11.1	461553	3767938	2.9	29.0339
462553.03	3767938	0.07627	15.5	0.03492	11.4	462553	3767938	3.8	30.6487
463553.03	3767938	0.06317	12.9	0.03505	11.4	463553	3767938	4.1	28.3812
464553.03	3767938	0.06524	13.3	0.02855	9.3	464553	3767938	3.5	26.0385
465553.03	3767938	0.06886	14.0	0.03113	10.1	465553	3767938	3.3	27.4921
466553.03	3767938	0.06205	12.6	0.03115	10.1	466553	3767938	3.1	25.8948
467553.03	3767938	0.06064	12.4	0.02941	9.6	467553	3767938	3.6	25.4745
468553.03	3767938	0.04764	9.7	0.02714	8.8	468553	3767938	4.2	22.6984
469553.03	3767938	0.05442	11.1	0.02272	7.4	469553	3767938	4.3	22.7315
470553.03	3767938	0.06495	13.2	0.02547	8.3	470553	3767938	4.4	25.9618
471553.03	3767938	0.06777	13.8	0.03185	10.4	471553	3767938	4.2	28.3506
472553.03	3767938	0.079	16.1	0.03024	9.8	472553	3767938	4.5	30.4622
473553.03	3767938	0.09442	19.2	0.04039	13.1	473553	3767938	4.4	36.7343
474553.03	3767938	0.06485	13.2	0.04443	14.5	474553	3767938	3.6	31.2705
475553.03	3767938	0.05508	11.2	0.0294	9.6	475553	3767938	3.9	24.6808
476553.03	3767938	0.08299	16.9	0.02623	8.5	476553	3767938	4.1	29.5181
477553.03	3767938	0.10169	20.7	0.04764	15.5	477553	3767938	4.9	41.0815
478553.03	3767938	0.06527	13.3	0.04292	14.0	478553	3767938	5.2	32.4414
479553.03	3767938	0.08052	16.4	0.03111	10.1	479553	3767938	4.8	31.2827
480553.03	3767938	0.09324	19.0	0.04669	15.2	480553	3767938	4.1	38.2723
481553.03	3767938	0.0837	17.1	0.03629	11.8	481553	3767938	3.9	32.7366
482553.03	3767938	0.09364	19.1	0.04194	13.6	482553	3767938	4.2	36.9326
483553.03	3767938	0.08375	17.1	0.04172	13.6	483553	3767938	4.2	34.8738
484553.03	3767938	0.11866	24.2	0.04592	14.9	484553	3767938	4.6	43.6649
485553.03	3767938	0.09508	19.4	0.04705	15.3	485553	3767938	5.4	40.0607
486553.03	3767938	0.11354	23.1	0.05421	17.6	486553	3767938	4.4	45.1779
487553.03	3767938	0.12433	25.3	0.06052	19.7	487553	3767938	5.3	50.3043
488553.03	3767938	0.1447	29.5	0.06052	19.7	488553	3767938	5.9	55.0460
489553.03	3767938	0.13831	28.2	0.067	21.8	489553	3767938	6.3	56.2273
490553.03	3767938	0.12394	25.2	0.05631	18.3	490553	3767938	5.8	49.3711
491553.03	3767938	0.08931	18.2	0.04968	16.2	491553	3767938	5.5	39.8682
492553.03	3767938	0.07275	14.8	0.03827	12.5	492553	3767938	5.2	32.4680
493553.03	3767938	0.06673	13.6	0.03285	10.7	493553	3767938	3.4	27.6701
494553.03	3767938	0.11115	22.6	0.03636	11.8	494553	3767938	4.5	38.9702
495553.03	3767938	0.06573	13.4	0.04464	14.5	495553	3767938	4.8	32.7399
496553.03	3767938	0.06228	12.7	0.02848	9.3	496553	3767938	5.0	26.9957
497553.03	3767938	0.06306	12.8	0.02857	9.3	497553	3767938	3.9	26.0044
498553.03	3767938	0.05794	11.8	0.02738	8.9	498553	3767938	3.4	24.1189
499553.03	3767938	0.0529	10.8	0.02541	8.3	499553	3767938	2.8	21.7951
500553.03	3767938	0.04856	9.9	0.02398	7.8	500553	3767938	2.2	19.8907
501553.03	3767938	0.04128	8.4	0.01807	5.9	501553	3767938	1.8	16.1312
502553.03	3767938	0.03739	7.6	0.0173	5.6	502553	3767938	1.5	14.7935
503553.03	3767938	0.03175	6.5	0.01313	4.3	503553	3767938	1.3	12.0276
504553.03	3767938	0.02291	4.7	0.01005	3.3	504553	3767938	1.0	8.9411
505553.03	3767938	0.01194	2.4	0.00513	1.7	505553	3767938	0.7	4.7809
484551.71	3750934	0.82093	167.2	0.38759	126.1	484551.7	3750934	19.4	312.6940
484651.71	3750934	0.89587	182.5	0.39807	129.5	484651.7	3750934	19.9	331.9219
484751.71	3750934	0.74055	150.9	0.32403	105.4	484751.7	3750934	21.2	277.4477
484851.71	3750934	0.69218	141.0	0.27186	88.4	484851.7	3750934	21.4	250.8241
484951.71	3750934	0.65147	132.7	0.24878	80.9	484951.7	3750934	21.4	235.0392
485051.71	3750934	0.66025	134.5	0.25701	83.6	485051.7	3750934	21.0	239.0942
485151.71	3750934	0.67429	137.4	0.25416	82.7	485151.7	3750934	19.3	239.3567
485251.71	3750934	0.66171	134.8	0.25452	82.8	485251.7	3750934	16.5	234.0762
485351.71	3750934	0.72624	147.9	0.24776	80.6	485351.7	3750934	14.9	243.4405
485451.71	3750934	0.73989	150.7	0.26643	86.7	485451.7	3750934	14.4	251.8108
484551.71	3751034	1.0065	205.0	0.38382	124.9	484551.7	3751034	18.3	348.1982
484651.71	3751034	0.9483	193.2	0.41887	136.3	484651.7	3751034	18.4	347.8384
484751.71	3751034	0.87414	178.1	0.40146	130.6	484751.7	3751034	21.1	329.7886
484851.71	3751034	0.7566	154.1	0.3322	108.1	484851.7	3751034	22.0	284.2270
484951.71	3751034	0.80657	164.3	0.3216	104.6	484951.7	3751034	22.8	291.7687
485051.71	3751034	0.71083	144.8	0.2695	87.7	485051.7	3751034	22.2	254.6831
485151.71	3751034	0.70038	142.7	0.26083	84.9	485151.7	3751034	21.3	248.8277
485251.71	3751034	0.70323	143.3	0.26431	86.0	485251.7	3751034	18.7	247.9576
485351.71	3751034	0.72886	148.5	0.26545	86.4	485351.7	3751034	16.6	251.4908
485451.71	3751034	0.77196	157.3	0.26768	87.1	485451.7	3751034	15.6	259.9782
484551.71	3751134	1.08963	222.0	0.40109	130.5	484551.7	3751134	19.6	372.0741

484651.71	3751134	1.07866	219.7	0.39375	128.1	484651.7	3751134	19.0	366.7972
484751.71	3751134	1.01146	206.1	0.4368	142.1	484751.7	3751134	19.0	367.1660
484851.71	3751134	0.89457	182.2	0.41038	133.5	484851.7	3751134	22.1	337.8201
484951.71	3751134	0.93021	189.5	0.39566	128.7	484951.7	3751134	23.0	341.2109
485051.71	3751134	0.8191	166.9	0.33557	109.2	485051.7	3751134	23.5	299.5052
485151.71	3751134	0.73655	150.0	0.2745	89.3	485151.7	3751134	22.9	262.2603
485251.71	3751134	0.73948	150.6	0.26674	86.8	485251.7	3751134	20.8	258.2032
485351.71	3751134	0.72355	147.4	0.27906	90.8	485351.7	3751134	18.5	256.6897
485451.71	3751134	0.80763	164.5	0.27627	89.9	485451.7	3751134	16.4	270.7862
484551.71	3751234	1.09613	223.3	0.41465	134.9	484551.7	3751234	20.3	378.4786
484651.71	3751234	1.15124	234.5	0.42802	139.3	484651.7	3751234	20.3	394.0526
484751.71	3751234	1.14869	234.0	0.40927	133.2	484751.7	3751234	19.3	386.4934
484851.71	3751234	1.03292	210.4	0.44791	145.7	484851.7	3751234	20.6	376.7979
484951.71	3751234	1.04509	212.9	0.45548	148.2	484951.7	3751234	22.0	383.0631
485051.71	3751234	0.97121	197.9	0.41417	134.7	485051.7	3751234	23.9	356.5217
485151.71	3751234	0.77807	158.5	0.32552	105.9	485151.7	3751234	23.4	287.7957
485251.71	3751234	0.74258	151.3	0.26039	84.7	485251.7	3751234	20.9	256.8543
485351.71	3751234	0.78612	160.1	0.27827	90.5	485351.7	3751234	18.4	269.0339
485451.71	3751234	0.80112	163.2	0.29384	95.6	485451.7	3751234	16.3	275.1127
484551.71	3751334	1.03644	211.1	0.39956	130.0	484551.7	3751334	21.0	362.1365
484651.71	3751334	1.14936	234.1	0.43125	140.3	484651.7	3751334	20.9	395.3047
484751.71	3751334	1.21605	247.7	0.45402	147.7	484751.7	3751334	21.0	416.4046
484851.71	3751334	1.22848	250.3	0.44386	144.4	484851.7	3751334	20.1	414.7494
484951.71	3751334	1.14565	233.4	0.46991	152.9	484951.7	3751334	20.8	407.1000
485051.71	3751334	1.09889	223.9	0.47409	154.2	485051.7	3751334	23.0	401.0723
485151.71	3751334	0.92575	188.6	0.40296	131.1	485151.7	3751334	24.9	344.5469
485251.71	3751334	0.7595	154.7	0.29408	95.7	485251.7	3751334	22.3	272.6617
485351.71	3751334	0.80134	163.2	0.27443	89.3	485351.7	3751334	19.9	272.3822
485451.71	3751334	0.82618	168.3	0.29299	95.3	485451.7	3751334	16.5	280.1533
484551.71	3751434	1.06854	217.7	0.38587	125.5	484551.7	3751434	21.5	364.6984
484651.71	3751434	1.13325	230.9	0.41911	136.4	484651.7	3751434	21.7	388.9052
484751.71	3751434	1.20851	246.2	0.45461	147.9	484751.7	3751434	21.7	415.8392
484851.71	3751434	1.28843	262.5	0.48077	156.4	484851.7	3751434	21.7	440.5777
484951.71	3751434	1.32766	270.5	0.48098	156.5	484951.7	3751434	21.1	448.0854
485051.71	3751434	1.2056	245.6	0.47739	155.3	485051.7	3751434	22.6	423.5509
485151.71	3751434	1.04568	213.0	0.46341	150.8	485151.7	3751434	25.0	388.7641
485251.71	3751434	0.91429	186.3	0.3963	128.9	485251.7	3751434	25.2	340.3450
485351.71	3751434	0.82288	167.6	0.30442	99.0	485351.7	3751434	22.8	289.4980
485451.71	3751434	0.8784	178.9	0.29183	94.9	485451.7	3751434	19.9	293.7909
484551.71	3751534	1.01105	206.0	0.39162	127.4	484551.7	3751534	21.6	354.9921
484651.71	3751534	1.07829	219.7	0.39293	127.8	484651.7	3751534	21.9	369.4308
484751.71	3751534	1.21761	248.0	0.43788	142.5	484751.7	3751534	22.4	412.9136
484851.71	3751534	1.26222	257.1	0.46542	151.4	484851.7	3751534	22.1	430.7054
484951.71	3751534	1.37334	279.8	0.49988	162.6	484951.7	3751534	22.3	464.7411
485051.71	3751534	1.43834	293.0	0.5102	166.0	485051.7	3751534	21.2	480.2048
485151.71	3751534	1.37925	281.0	0.5065	164.8	485151.7	3751534	22.7	468.4561
485251.71	3751534	1.17202	238.8	0.49999	162.7	485251.7	3751534	25.7	427.1221
485351.71	3751534	0.97513	198.7	0.4203	136.7	485351.7	3751534	26.5	361.8450
485451.71	3751534	0.89425	182.2	0.3296	107.2	485451.7	3751534	24.3	313.7209
484551.71	3751634	1.06434	216.8	0.39627	128.9	484551.7	3751634	22.0	367.7457
484651.71	3751634	1.06428	216.8	0.4165	135.5	484651.7	3751634	22.4	374.7162
484751.71	3751634	1.14464	233.2	0.42725	139.0	484751.7	3751634	22.6	394.7945
484851.71	3751634	1.21367	247.2	0.42608	138.6	484851.7	3751634	22.9	408.7467
484951.71	3751634	1.30443	265.7	0.4628	150.6	484951.7	3751634	23.0	439.3485
485051.71	3751634	1.36808	278.7	0.45635	148.5	485051.7	3751634	22.3	449.4557
485151.71	3751634	1.54955	315.7	0.53939	175.5	485151.7	3751634	21.2	512.3890
485251.71	3751634	1.52032	309.7	0.54403	177.0	485251.7	3751634	24.0	510.6912
485351.71	3751634	1.38449	282.0	0.55259	179.8	485351.7	3751634	26.2	488.0462
485451.71	3751634	1.12336	228.8	0.48393	157.4	485451.7	3751634	28.3	414.5666
484551.71	3751734	1.09809	223.7	0.41247	134.2	484551.7	3751734	22.1	379.9890
484651.71	3751734	1.14863	234.0	0.42766	139.1	484651.7	3751734	22.6	395.7812
484751.71	3751734	1.18037	240.5	0.43707	142.2	484751.7	3751734	23.2	405.8486
484851.71	3751734	1.21188	246.9	0.45881	149.3	484851.7	3751734	23.4	419.5489
484951.71	3751734	1.30586	266.0	0.46826	152.3	484951.7	3751734	23.4	441.7874
485051.71	3751734	1.37013	279.1	0.46366	150.9	485051.7	3751734	23.5	453.4369
485151.71	3751734	1.53282	312.3	0.51908	168.9	485151.7	3751734	23.3	504.4015
485251.71	3751734	1.68151	342.6	0.57464	187.0	485251.7	3751734	22.3	551.8430
485351.71	3751734	1.66923	340.1	0.59086	192.2	485351.7	3751734	25.7	557.9485
485451.71	3751734	1.53848	313.4	0.58785	191.3	485451.7	3751734	27.6	532.2786
484551.71	3751834	1.1126	226.7	0.392	127.5	484551.7	3751834	21.7	375.8522
484651.71	3751834	1.16577	237.5	0.42587	138.6	484651.7	3751834	22.7	398.7771
484751.71	3751834	1.22017	248.6	0.45261	147.3	484751.7	3751834	23.3	419.1666
484851.71	3751834	1.28071	260.9	0.47101	153.2	484851.7	3751834	23.8	437.9162
484951.71	3751834	1.30904	266.7	0.48312	157.2	484951.7	3751834	23.8	447.6672
485051.71	3751834	1.39373	283.9	0.50727	165.0	485051.7	3751834	24.3	473.2464
485151.71	3751834	1.49899	305.4	0.5156	167.7	485151.7	3751834	24.6	497.7668
485251.71	3751834	1.65349	336.8	0.55968	182.1	485251.7	3751834	24.3	543.2002
485351.71	3751834	1.80382	367.5	0.61565	200.3	485351.7	3751834	26.0	593.7236
485451.71	3751834	1.80041	366.8	0.63038	205.1	485451.7	3751834	27.4	599.2845
484551.71	3751934	1.07308	218.6	0.34855	113.4	484551.7	3751934	21.2	353.1818
484651.71	3751934	1.16493	237.3	0.38804	126.2	484651.7	3751934	22.6	386.1292
484751.71	3751934	1.24307	253.2	0.43185	140.5	484751.7	3751934	23.7	417.4177
484851.71	3751934	1.29929	264.7	0.46951	152.8	484851.7	3751934	24.2	441.6099
484951.71	3751934	1.36589	278.3	0.50027	162.8	484951.7	3751934	24.5	465.4850
485051.71	3751934	1.43985	293.3	0.52192	169.8	485051.7	3751934	24.9	488.0265
485151.71	3751934	1.50194	306.0	0.54267	176.6	485151.7	3751934	25.4	507.9641
485251.71	3751934	1.62735	331.5	0.56589	184.1	485251.7	3751934	25.7	541.2932
485351.71	3751934	1.79829	366.3	0.60176	195.8	485351.7	3751934	25.7	587.7908
485451.71	3751934	1.96888	401.1	0.64722	210.6	485451.7	3751934	28.1	639.8095
484551.71	3752034	0.96056	195.7	0.33028	107.5	484551.7	3752034	20.7	323.8499
484651.71	3752034	1.08995	222.0	0.35232	114.6	484651.7	3752034	22.3	358.9446
484751.71	3752034	1.1975	244.0	0.38147	124.1	484751.7	3752034	23.4	391.4767
484851.71	3752034	1.30373	265.6	0.42644	138.7	484851.7	3752034	24.6	428.9477
484951.71	3752034	1.39867	284.9	0.47851	155.7	484951.7	3752034	25.4	466.0500
485051.71	3752034	1.46021	297.5	0.52118	169.6	485051.7	3752034	25.4	492.4838
485151.71	3752034	1.55307	316.4	0.55937	182.0	485151.7	3752034	26.0	524.3700

485251.71	3752034	1.65601	337.4	0.58576	190.6	485251.7	3752034	26.6	554.5342
485351.71	3752034	1.75191	356.9	0.61131	198.9	485351.7	3752034	27.7	583.5270
485451.71	3752034	1.93365	393.9	0.67851	220.8	485451.7	3752034	28.1	642.7206
484551.71	3752134	0.94069	191.6	0.35038	114.0	484551.7	3752134	20.0	325.6599
484651.71	3752134	0.97234	198.1	0.36116	117.5	484651.7	3752134	21.3	336.8683
484751.71	3752134	1.07214	218.4	0.37251	121.2	484751.7	3752134	23.0	362.6161
484851.71	3752134	1.2238	249.3	0.38286	124.6	484851.7	3752134	24.7	398.5613
484951.71	3752134	1.36295	277.7	0.42175	137.2	484951.7	3752134	25.9	440.8019
485051.71	3752134	1.47642	300.8	0.47243	153.7	485051.7	3752134	26.4	480.8941
485151.71	3752134	1.57776	321.4	0.53214	173.1	485151.7	3752134	26.8	521.3075
485251.71	3752134	1.68277	342.8	0.58805	191.3	485251.7	3752134	27.5	561.6369
485351.71	3752134	1.79838	366.4	0.63244	205.8	485351.7	3752134	28.4	600.5237
485451.71	3752134	1.94582	396.4	0.66229	215.5	485451.7	3752134	29.6	641.4439
484551.71	3752234	0.97657	198.9	0.37286	121.3	484551.7	3752234	21.0	341.2797
484651.71	3752234	1.02824	209.5	0.38786	126.2	484651.7	3752234	21.2	356.8832
484751.71	3752234	1.08417	220.9	0.40213	130.8	484751.7	3752234	22.1	373.8449
484851.71	3752234	1.12199	228.6	0.41029	133.5	484851.7	3752234	23.9	385.9820
484951.71	3752234	1.20982	246.5	0.41964	136.5	484951.7	3752234	25.7	408.7259
485051.71	3752234	1.3672	278.5	0.42886	139.5	485051.7	3752234	26.5	444.5400
485151.71	3752234	1.56303	318.4	0.46674	151.9	485151.7	3752234	27.9	498.1262
485251.71	3752234	1.69176	344.6	0.52696	171.4	485251.7	3752234	28.0	544.0646
485351.71	3752234	1.82217	371.2	0.60008	195.2	485351.7	3752234	28.8	595.2578
485451.71	3752234	1.96565	400.4	0.66629	216.8	485451.7	3752234	30.0	647.2370
484551.71	3752334	0.94998	193.5	0.36297	118.1	484551.7	3752334	21.7	333.3630
484651.71	3752334	1.0178	207.3	0.3883	126.3	484651.7	3752334	22.4	356.0604
484751.71	3752334	1.09038	222.1	0.41164	133.9	484751.7	3752334	22.6	378.6842
484851.71	3752334	1.15809	235.9	0.43291	140.8	484851.7	3752334	22.7	399.4977
484951.71	3752334	1.23107	250.8	0.45411	147.7	484951.7	3752334	25.1	423.6220
485051.71	3752334	1.29458	263.7	0.47132	153.3	485051.7	3752334	27.1	444.2006
485151.71	3752334	1.39486	284.2	0.48767	158.7	485151.7	3752334	28.7	471.5366
485251.71	3752334	1.60773	327.5	0.49857	162.2	485251.7	3752334	29.3	519.0784
485351.71	3752334	1.81097	368.9	0.52158	169.7	485351.7	3752334	30.0	568.5926
485451.71	3752334	1.97814	403.0	0.59817	194.6	485451.7	3752334	30.6	628.2342
484551.71	3752434	1.05897	215.7	0.3651	118.8	484551.7	3752434	21.6	356.0841
484651.71	3752434	1.1075	225.6	0.37028	120.5	484651.7	3752434	22.9	368.9951
484751.71	3752434	1.14961	234.2	0.38308	124.6	484751.7	3752434	23.6	382.4041
484851.71	3752434	1.19776	244.0	0.41521	135.1	484851.7	3752434	24.1	403.1511
484951.71	3752434	1.24448	253.5	0.44644	145.2	484951.7	3752434	24.2	422.9523
485051.71	3752434	1.29348	263.5	0.47519	154.6	485051.7	3752434	26.0	444.1290
485151.71	3752434	1.41661	288.6	0.51037	166.0	485151.7	3752434	29.0	483.6279
485251.71	3752434	1.50094	305.8	0.53645	174.5	485251.7	3752434	30.2	510.4561
485351.71	3752434	1.64356	334.8	0.56702	184.5	485351.7	3752434	31.4	550.6902
485451.71	3752434	1.91136	389.4	0.59269	192.8	485451.7	3752434	32.1	614.3071
484551.71	3752534	1.09462	223.0	0.42703	138.9	484551.7	3752534	20.5	382.3834
484651.71	3752534	1.15041	234.4	0.43939	143.0	484651.7	3752534	21.9	399.2044
484751.71	3752534	1.20335	245.1	0.44988	146.4	484751.7	3752534	23.2	414.6702
484851.71	3752534	1.27857	260.5	0.46447	151.1	484851.7	3752534	24.7	436.3297
484951.71	3752534	1.3439	273.8	0.47564	154.7	484951.7	3752534	25.4	453.8771
485051.71	3752534	1.42112	289.5	0.48787	158.7	485051.7	3752534	25.8	474.0376
485151.71	3752534	1.50687	307.0	0.50042	162.8	485151.7	3752534	28.0	497.8144
485251.71	3752534	1.58671	323.2	0.52037	169.3	485251.7	3752534	30.6	523.1476
485351.71	3752534	1.69355	345.0	0.56485	183.8	485351.7	3752534	32.5	561.2630
485451.71	3752534	1.83308	373.4	0.60955	198.3	485451.7	3752534	33.6	605.3901
484551.71	3752634	1.03458	210.8	0.4479	145.7	484551.7	3752634	19.6	376.0515
484651.71	3752634	1.09974	224.0	0.46741	152.1	484651.7	3752634	20.1	396.2413
484751.71	3752634	1.17671	239.7	0.48897	159.1	484751.7	3752634	21.9	420.7382
484851.71	3752634	1.25573	255.8	0.51021	166.0	484851.7	3752634	23.9	445.7520
484951.71	3752634	1.33902	272.8	0.53168	173.0	484951.7	3752634	25.8	471.5370
485051.71	3752634	1.44418	294.2	0.55636	181.0	485051.7	3752634	27.6	502.7887
485151.71	3752634	1.54791	315.3	0.58007	188.7	485151.7	3752634	28.1	532.2009
485251.71	3752634	1.65734	337.6	0.60389	196.5	485251.7	3752634	29.9	564.0219
485351.71	3752634	1.77366	361.3	0.62802	204.3	485351.7	3752634	32.9	598.5173
485451.71	3752634	1.92727	392.6	0.65668	213.6	485451.7	3752634	35.2	641.4759
484551.71	3752734	1.01549	206.9	0.42132	137.1	484551.7	3752734	19.9	363.8880
484651.71	3752734	1.06935	217.8	0.44645	145.3	484651.7	3752734	20.4	383.5074
484751.71	3752734	1.12486	229.2	0.47219	153.6	484751.7	3752734	20.8	403.5373
484851.71	3752734	1.18916	242.3	0.5	162.7	484851.7	3752734	21.2	426.1530
484951.71	3752734	1.26049	256.8	0.52928	172.2	484951.7	3752734	23.5	452.4601
485051.71	3752734	1.34583	274.2	0.56118	182.6	485051.7	3752734	26.6	483.3569
485151.71	3752734	1.43048	291.4	0.59245	192.8	485151.7	3752734	28.8	512.9440
485251.71	3752734	1.56559	318.9	0.62776	204.2	485251.7	3752734	30.1	553.3132
485351.71	3752734	1.71787	350.0	0.66355	215.9	485351.7	3752734	31.8	597.6564
485451.71	3752734	1.89963	387.0	0.70251	228.6	485451.7	3752734	35.6	651.1496
484551.71	3752834	1.00533	204.8	0.40172	130.7	484551.7	3752834	20.3	355.8342
484651.71	3752834	1.05649	215.2	0.42285	137.6	484651.7	3752834	20.7	373.4982
484751.71	3752834	1.1146	227.1	0.44604	145.1	484751.7	3752834	21.1	393.3274
484851.71	3752834	1.1785	240.1	0.4707	153.1	484851.7	3752834	21.6	414.8551
484951.71	3752834	1.25036	254.7	0.49719	161.8	484951.7	3752834	22.2	438.6782
485051.71	3752834	1.33115	271.2	0.52564	171.0	485051.7	3752834	22.8	464.9806
485151.71	3752834	1.42726	290.8	0.55684	181.2	485151.7	3752834	26.0	497.9188
485251.71	3752834	1.55842	317.5	0.59097	192.3	485251.7	3752834	30.5	540.2866
485351.71	3752834	1.69809	345.9	0.6263	203.8	485351.7	3752834	32.8	582.5381
485451.71	3752834	1.87561	382.1	0.67377	219.2	485451.7	3752834	34.5	635.7945
484551.71	3752934	1.03293	210.4	0.4277	139.2	484551.7	3752934	21.0	370.5452
484651.71	3752934	1.09661	223.4	0.44765	145.6	484651.7	3752934	21.0	390.0200
484751.71	3752934	1.16639	237.6	0.46928	152.7	484751.7	3752934	21.4	411.6867
484851.71	3752934	1.24167	252.9	0.49236	160.2	484851.7	3752934	21.7	434.8712
484951.71	3752934	1.32715	270.4	0.51754	168.4	484951.7	3752934	22.1	460.8848
485051.71	3752934	1.42147	289.6	0.54493	177.3	485051.7	3752934	22.7	489.5539
485151.71	3752934	1.52869	311.4	0.57454	186.9	485151.7	3752934	23.3	521.6819
485251.71	3752934	1.64986	336.1	0.60706	197.5	485251.7	3752934	24.1	557.7286
485351.71	3752934	1.78806	364.3	0.64241	209.0	485351.7	3752934	29.8	603.0589
485451.71	3752934	1.94559	396.3	0.68009	221.3	485451.7	3752934	35.6	653.2068
484551.71	3753034	1.08367	220.8	0.42078	136.9	484551.7	3753034	22.0	379.6516
484651.71	3753034	1.13952	232.1	0.43953	143.0	484651.7	3753034	22.1	397.2681
484751.71	3753034	1.19841	244.1	0.48404	157.5	484751.7	3753034	22.3	423.9606

484851.71	3753034	1.26214	257.1	0.48122	156.6	484851.7	3753034	22.0	435.6936
484951.71	3753034	1.32909	270.8	0.50465	164.2	484951.7	3753034	22.2	457.1140
485051.71	3753034	1.40191	285.6	0.53034	172.5	485051.7	3753034	22.4	480.4878
485151.71	3753034	1.4789	301.3	0.558	181.5	485151.7	3753034	23.3	506.1350
485251.71	3753034	1.56317	318.4	0.58891	191.6	485251.7	3753034	22.5	532.5003
485351.71	3753034	1.6522	336.6	0.62238	202.5	485351.7	3753034	22.2	561.2415
485451.71	3753034	1.74571	355.6	0.67982	221.2	485451.7	3753034	19.9	596.6785
484551.71	3753134	1.07523	219.0	0.43372	141.1	484551.7	3753134	22.8	382.9664
484651.71	3753134	1.10584	225.3	0.44923	146.2	484651.7	3753134	23.0	394.4504
484751.71	3753134	1.11544	227.2	0.47372	154.1	484751.7	3753134	23.0	404.3908
484851.71	3753134	1.14945	234.2	0.49617	161.4	484851.7	3753134	23.0	418.6161
484951.71	3753134	1.19473	243.4	0.55141	179.4	484951.7	3753134	23.2	445.9718
485051.71	3753134	1.23985	252.6	0.59135	192.4	485051.7	3753134	22.5	467.5010
485151.71	3753134	1.32049	269.0	0.63723	207.3	485151.7	3753134	23.2	499.5732
485251.71	3753134	1.35884	276.8	0.65986	214.7	485251.7	3753134	23.1	514.6238
485351.71	3753134	1.4395	293.3	0.70556	229.6	485351.7	3753134	19.0	541.7803
485451.71	3753134	1.63329	332.7	0.75291	245.0	485451.7	3753134	9.5	587.1916
484551.71	3753234	0.95069	193.7	0.48866	159.0	484551.7	3753234	23.2	375.8099
484651.71	3753234	0.98888	201.5	0.51517	167.6	484651.7	3753234	23.6	392.6524
484751.71	3753234	1.03619	211.1	0.54633	177.7	484751.7	3753234	24.0	412.8153
484851.71	3753234	1.08601	221.2	0.57824	188.1	484851.7	3753234	24.2	433.5834
484951.71	3753234	1.12035	228.2	0.60471	196.7	484951.7	3753234	24.1	449.0929
485051.71	3753234	1.14602	233.5	0.63196	205.6	485051.7	3753234	23.9	462.9672
485151.71	3753234	1.22985	250.5	0.66438	216.2	485151.7	3753234	23.8	490.4724
485251.71	3753234	1.35559	276.2	0.69275	225.4	485251.7	3753234	23.5	525.0245
485351.71	3753234	1.54778	315.3	0.72625	236.3	485351.7	3753234	21.3	572.9346
485451.71	3753234	1.72269	350.9	0.7575	246.5	485451.7	3753234	9.8	607.2135
484551.71	3753334	0.92671	188.8	0.51947	169.0	484551.7	3753334	23.3	381.0880
484651.71	3753334	0.9501	193.6	0.53964	175.6	484651.7	3753334	24.2	393.3577
484751.71	3753334	0.96149	195.9	0.55602	180.9	484751.7	3753334	24.7	401.5006
484851.71	3753334	0.97542	198.7	0.57527	187.2	484851.7	3753334	25.1	411.0055
484951.71	3753334	1.06607	217.2	0.59369	193.2	484951.7	3753334	25.3	435.6185
485051.71	3753334	1.16174	236.7	0.61301	199.4	485051.7	3753334	26.5	462.6357
485151.71	3753334	1.31236	267.4	0.62738	204.1	485151.7	3753334	26.0	497.4628
485251.71	3753334	1.44397	294.2	0.64197	208.9	485251.7	3753334	25.5	528.5573
485351.71	3753334	1.56746	319.3	0.66169	215.3	485351.7	3753334	23.6	558.2052
485451.71	3753334	1.61051	328.1	0.68507	222.9	485451.7	3753334	12.5	563.4564
484551.71	3753434	0.83267	169.6	0.48657	158.3	484551.7	3753434	22.5	350.4203
484651.71	3753434	0.87693	178.6	0.49798	162.0	484651.7	3753434	24.1	364.7493
484751.71	3753434	0.94451	192.4	0.50646	164.8	484751.7	3753434	25.4	382.5527
484851.71	3753434	1.01617	207.0	0.51319	167.0	484851.7	3753434	26.1	400.1002
484951.71	3753434	1.13825	231.9	0.54364	176.9	484951.7	3753434	26.7	435.4250
485051.71	3753434	1.24736	254.1	0.56882	185.1	485051.7	3753434	26.6	465.8212
485151.71	3753434	1.34807	274.6	0.58993	191.9	485151.7	3753434	26.1	492.6199
485251.71	3753434	1.40464	286.1	0.61581	200.4	485251.7	3753434	25.2	511.6886
485351.71	3753434	1.39524	284.2	0.64408	209.5	485351.7	3753434	23.1	516.8799
485451.71	3753434	1.359	276.9	0.6675	217.2	485451.7	3753434	15.0	509.0206
484551.71	3753534	0.84855	172.9	0.45913	149.4	484551.7	3753534	21.7	343.9038
484651.71	3753534	0.90856	185.1	0.47665	155.1	484651.7	3753534	22.9	363.0887
484751.71	3753534	1.00729	205.2	0.49668	161.6	484751.7	3753534	24.8	391.5679
484851.71	3753534	1.09887	223.9	0.5223	169.9	484851.7	3753534	26.6	420.4209
484951.71	3753534	1.17768	239.9	0.54285	176.6	484951.7	3753534	27.6	444.1189
485051.71	3753534	1.24396	253.4	0.55824	181.6	485051.7	3753534	27.7	462.7646
485151.71	3753534	1.25704	256.1	0.57185	186.0	485151.7	3753534	28.4	470.4938
485251.71	3753534	1.22781	250.1	0.57854	188.2	485251.7	3753534	28.4	466.7996
485351.71	3753534	1.22786	250.1	0.59178	192.5	485351.7	3753534	28.5	471.1230
485451.71	3753534	1.43281	291.9	0.63576	206.8	485451.7	3753534	17.2	515.9313
484551.71	3753634	0.90016	183.4	0.46435	151.1	484551.7	3753634	24.0	358.5017
484651.71	3753634	0.98025	199.7	0.48166	156.7	484651.7	3753634	24.9	381.2703
484751.71	3753634	1.04621	213.1	0.48597	158.1	484751.7	3753634	26.3	397.5090
484851.71	3753634	1.11225	226.6	0.49751	161.9	484851.7	3753634	28.0	416.4416
484951.71	3753634	1.14015	232.3	0.50084	162.9	484951.7	3753634	28.9	424.1639
485051.71	3753634	1.12536	229.3	0.51471	167.5	485051.7	3753634	29.8	426.5618
485151.71	3753634	1.1087	225.9	0.53287	173.4	485151.7	3753634	30.2	429.3805
485251.71	3753634	1.11937	228.0	0.57552	187.2	485251.7	3753634	29.8	445.0386
485351.71	3753634	1.28234	261.2	0.61314	199.5	485351.7	3753634	27.3	488.0136
485451.71	3753634	1.38866	282.9	0.67805	220.6	485451.7	3753634	14.6	518.1088
484551.71	3753734	0.94638	192.8	0.44005	143.2	484551.7	3753734	25.4	361.3900
484651.71	3753734	0.9994	203.6	0.43868	142.7	484651.7	3753734	26.2	372.4897
484751.71	3753734	1.03867	211.6	0.45463	147.9	484751.7	3753734	26.8	386.3347
484851.71	3753734	1.03948	211.8	0.47037	153.0	484851.7	3753734	27.4	392.1620
484951.71	3753734	1.02094	208.0	0.48725	158.5	484951.7	3753734	27.7	394.1650
485051.71	3753734	1.01226	206.2	0.52361	170.4	485051.7	3753734	27.9	404.4409
485151.71	3753734	1.02208	208.2	0.55393	180.2	485151.7	3753734	30.5	418.9650
485251.71	3753734	1.15519	235.3	0.60586	197.1	485251.7	3753734	29.9	462.3578
485351.71	3753734	1.27204	259.1	0.67836	220.7	485351.7	3753734	26.9	506.7698
485451.71	3753734	1.26304	257.3	0.74678	243.0	485451.7	3753734	14.7	514.9995
484551.71	3753834	0.94698	192.9	0.42028	136.7	484551.7	3753834	25.1	354.7747
484651.71	3753834	0.96179	195.9	0.42876	139.5	484651.7	3753834	25.7	361.1151
484751.71	3753834	0.94966	193.5	0.4519	147.0	484751.7	3753834	25.8	366.3280
484851.71	3753834	0.93591	190.7	0.4834	157.3	484851.7	3753834	26.5	374.4358
484951.71	3753834	0.92856	189.2	0.50701	165.0	484951.7	3753834	27.0	381.1300
485051.71	3753834	0.95303	194.1	0.54968	178.8	485051.7	3753834	27.9	400.8393
485151.71	3753834	1.04643	213.2	0.59871	194.8	485151.7	3753834	28.7	436.7122
485251.71	3753834	1.16967	238.3	0.6658	216.6	485251.7	3753834	30.3	485.2166
485351.71	3753834	1.18586	241.6	0.71334	232.1	485351.7	3753834	28.4	502.0938
485451.71	3753834	1.2064	245.8	0.76903	250.2	485451.7	3753834	16.8	512.7263
484551.71	3753934	0.88148	179.6	0.41905	136.3	484551.7	3753934	26.3	342.2163
484651.71	3753934	0.87362	178.0	0.44761	145.6	484651.7	3753934	26.0	349.6233
484751.71	3753934	0.86858	176.9	0.46488	151.2	484751.7	3753934	26.3	354.4630
484851.71	3753934	0.85638	174.5	0.50182	163.3	484851.7	3753934	26.4	364.0848
484951.71	3753934	0.88264	179.8	0.53244	173.2	484951.7	3753934	26.4	379.4403
485051.71	3753934	0.96087	195.7	0.59582	193.8	485051.7	3753934	27.7	417.2492
485151.71	3753934	1.08238	220.5	0.64425	209.6	485151.7	3753934	27.9	458.0402
485251.71	3753934	1.09922	223.9	0.6865	223.4	485251.7	3753934	27.8	475.0532
485351.71	3753934	1.06209	216.4	0.72162	234.8	485351.7	3753934	29.0	480.1796

485451.71	3753934	1.17695	239.8	0.73266	238.4	485451.7	3753934	19.8	497.9324
484551.71	3754034	0.80909	164.8	0.42533	138.4	484551.7	3754034	30.0	333.2436
484651.71	3754034	0.8114	165.3	0.46134	150.1	484651.7	3754034	28.9	344.2901
484751.71	3754034	0.8018	163.3	0.49011	159.5	484751.7	3754034	29.5	352.2582
484851.71	3754034	0.83442	170.0	0.53436	173.9	484851.7	3754034	29.7	373.5586
484951.71	3754034	0.88365	180.0	0.58229	189.4	484951.7	3754034	30.0	399.4304
485051.71	3754034	0.99768	203.2	0.61595	200.4	485051.7	3754034	30.0	433.6768
485151.71	3754034	1.04572	213.0	0.65754	213.9	485151.7	3754034	29.2	456.2071
485251.71	3754034	1.00149	204.0	0.66707	217.0	485251.7	3754034	29.6	450.6113
485351.71	3754034	1.0766	219.3	0.66314	215.8	485351.7	3754034	26.3	461.3686
485451.71	3754034	1.11382	226.9	0.68707	223.5	485451.7	3754034	17.2	467.6136
484551.71	3754134	0.74954	152.7	0.44927	146.2	484551.7	3754134	32.5	331.3146
484651.71	3754134	0.74769	152.3	0.47999	156.2	484651.7	3754134	32.0	340.4760
484751.71	3754134	0.78068	159.0	0.52705	171.5	484751.7	3754134	33.1	363.6357
484851.71	3754134	0.82389	167.8	0.55873	181.8	484851.7	3754134	33.8	383.4331
484951.71	3754134	0.92739	188.9	0.59515	193.6	484951.7	3754134	34.3	416.8419
485051.71	3754134	0.98041	199.7	0.61804	201.1	485051.7	3754134	34.7	435.5030
485151.71	3754134	0.96313	196.2	0.61372	199.7	485151.7	3754134	35.2	431.0851
485251.71	3754134	0.95739	195.0	0.6225	202.5	485251.7	3754134	35.6	433.1285
485351.71	3754134	1.0486	213.6	0.63317	206.0	485351.7	3754134	32.6	452.1806
485451.71	3754134	1.0283	209.5	0.64034	208.3	485451.7	3754134	19.3	437.0878
484551.71	3754234	0.70071	142.7	0.47921	155.9	484551.7	3754234	31.8	330.4158
484651.71	3754234	0.73379	149.5	0.51084	166.2	484651.7	3754234	34.0	349.6973
484751.71	3754234	0.77412	157.7	0.53799	175.0	484751.7	3754234	35.5	368.2167
484851.71	3754234	0.86023	175.2	0.56536	183.9	484851.7	3754234	37.2	396.3793
484951.71	3754234	0.91648	186.7	0.57068	185.7	484951.7	3754234	38.9	411.2636
485051.71	3754234	0.91359	186.1	0.56316	183.2	485051.7	3754234	40.9	410.1974
485151.71	3754234	0.89354	182.0	0.58814	191.3	485151.7	3754234	40.8	414.1823
485251.71	3754234	0.96942	197.5	0.58838	191.4	485251.7	3754234	41.7	430.5868
485351.71	3754234	0.99058	201.8	0.59204	192.6	485351.7	3754234	40.7	435.0896
485451.71	3754234	0.95955	195.5	0.57746	187.9	485451.7	3754234	28.2	411.5498
484551.71	3754334	0.69914	142.4	0.4886	159.0	484551.7	3754334	34.0	335.3601
484651.71	3754334	0.73493	149.7	0.51991	169.2	484651.7	3754334	35.5	354.3412
484751.71	3754334	0.80269	163.5	0.53108	172.8	484751.7	3754334	37.7	373.9968
484851.71	3754334	0.86093	175.4	0.52033	169.3	484851.7	3754334	40.0	384.6384
484951.71	3754334	0.87301	177.8	0.53725	174.8	484951.7	3754334	41.1	393.7779
485051.71	3754334	0.8534	173.9	0.54623	177.7	485051.7	3754334	42.7	394.2450
485151.71	3754334	0.88614	180.5	0.55395	180.2	485151.7	3754334	44.2	404.9343
485251.71	3754334	0.93562	190.6	0.54054	175.9	485251.7	3754334	48.7	415.1568
485351.71	3754334	0.92657	188.8	0.54077	175.9	485351.7	3754334	50.8	415.5235
485451.71	3754334	0.90521	184.4	0.61991	201.7	485451.7	3754334	51.9	438.0269
484551.71	3754434	0.69419	141.4	0.49386	160.7	484551.7	3754434	33.0	335.0747
484651.71	3754434	0.75259	153.3	0.49279	160.3	484651.7	3754434	34.0	347.6901
484751.71	3754434	0.81676	166.4	0.48748	158.6	484751.7	3754434	35.1	360.1274
484851.71	3754434	0.83567	170.2	0.51015	166.0	484851.7	3754434	36.6	372.7674
484951.71	3754434	0.81283	165.6	0.50097	163.0	484951.7	3754434	40.8	369.3823
485051.71	3754434	0.79625	162.2	0.51442	167.4	485051.7	3754434	41.7	371.2977
485151.71	3754434	0.87616	178.5	0.49415	160.8	485151.7	3754434	44.5	383.7119
485251.71	3754434	0.88967	181.2	0.50496	164.3	485251.7	3754434	46.8	392.3077
485351.71	3754434	0.87418	178.1	0.58235	189.5	485351.7	3754434	49.4	416.9825
485451.71	3754434	0.87778	178.8	0.60813	197.9	485451.7	3754434	50.4	427.0820
484551.71	3754534	0.70525	143.7	0.4504	146.5	484551.7	3754534	32.4	322.5795
484651.71	3754534	0.76634	156.1	0.4655	151.4	484651.7	3754534	34.0	341.5924
484751.71	3754534	0.7988	162.7	0.48045	156.3	484751.7	3754534	35.8	354.8539
484851.71	3754534	0.789	160.7	0.47924	155.9	484851.7	3754534	38.0	354.6451
484951.71	3754534	0.76591	156.0	0.48013	156.2	484951.7	3754534	40.6	352.8288
485051.71	3754534	0.80294	163.6	0.44534	144.9	485051.7	3754534	43.5	351.9495
485151.71	3754534	0.84897	172.9	0.47382	154.2	485151.7	3754534	46.0	373.1274
485251.71	3754534	0.83994	171.1	0.54273	176.6	485251.7	3754534	49.6	397.2407
485351.71	3754534	0.83456	170.0	0.56854	185.0	485351.7	3754534	51.3	406.2496
485451.71	3754534	0.86184	175.6	0.63931	208.0	485451.7	3754534	49.9	433.4662
484551.71	3754634	0.72901	148.5	0.44685	145.4	484551.7	3754634	35.9	329.8089
484651.71	3754634	0.75696	154.2	0.4455	144.9	484651.7	3754634	37.7	336.8594
484751.71	3754634	0.75898	154.6	0.45454	147.9	484751.7	3754634	39.1	341.5530
484851.71	3754634	0.73516	149.8	0.4441	144.5	484851.7	3754634	41.6	335.8928
484951.71	3754634	0.73092	148.9	0.41258	134.2	484951.7	3754634	43.1	326.2293
485051.71	3754634	0.80233	163.4	0.44737	145.6	485051.7	3754634	45.9	354.9251
485151.71	3754634	0.81451	165.9	0.51318	167.0	485151.7	3754634	47.4	380.3058
485251.71	3754634	0.80869	164.7	0.53715	174.8	485251.7	3754634	47.4	386.8964
485351.71	3754634	0.80821	164.6	0.58475	190.2	485351.7	3754634	49.6	404.5270
485451.71	3754634	0.81979	167.0	0.65541	213.2	485451.7	3754634	49.0	429.2902
485549.47	3750935	0.69794	142.2	0.276	89.8	485549.5	3750935	13.8	245.7509
485649.47	3750935	0.71049	144.7	0.28527	92.8	485649.5	3750935	13.1	250.6789
485749.47	3750935	0.70713	144.1	0.2933	95.4	485749.5	3750935	13.7	253.1688
485849.47	3750935	0.62453	127.2	0.32143	104.6	485849.5	3750935	14.4	246.2041
485549.47	3751035	0.76237	155.3	0.28074	91.3	485549.5	3751035	14.8	261.4201
485649.47	3751035	0.72344	147.4	0.29544	96.1	485649.5	3751035	13.8	257.3052
485749.47	3751035	0.75613	154.0	0.29425	95.7	485749.5	3751035	14.4	264.2010
485849.47	3751035	0.68455	139.5	0.31762	103.3	485849.5	3751035	15.1	257.8994
485549.47	3751135	0.82264	167.6	0.28638	93.2	485549.5	3751135	15.8	276.5834
485649.47	3751135	0.77404	157.7	0.29349	95.5	485649.5	3751135	14.8	267.9742
485749.47	3751135	0.79887	162.7	0.31622	102.9	485749.5	3751135	15.0	280.6309
485849.47	3751135	0.75517	153.8	0.31794	103.4	485849.5	3751135	16.0	273.2970
485549.47	3751235	0.86305	175.8	0.28777	93.6	485549.5	3751235	16.6	286.0327
485649.47	3751235	0.84619	172.4	0.30527	99.3	485649.5	3751235	15.7	287.4430
485749.47	3751235	0.8337	169.8	0.32068	104.3	485749.5	3751235	15.6	289.7671
485849.47	3751235	0.82513	168.1	0.33292	108.3	485849.5	3751235	17.0	293.4061
485549.47	3751335	0.90218	183.8	0.31124	101.3	485549.5	3751335	17.1	302.1015
485649.47	3751335	0.92475	188.4	0.29983	97.5	485649.5	3751335	17.5	303.3927
485749.47	3751335	0.86534	176.3	0.32701	106.4	485749.5	3751335	16.6	299.2849
485849.47	3751335	0.89318	182.0	0.34805	113.2	485849.5	3751335	18.0	313.1949
485549.47	3751435	0.90126	183.6	0.31105	101.2	485549.5	3751435	19.0	303.7996
485649.47	3751435	0.98419	200.5	0.33187	108.0	485649.5	3751435	19.9	328.3842
485749.47	3751435	0.95814	195.2	0.32859	106.9	485749.5	3751435	18.7	320.8396
485849.47	3751435	0.9577	195.1	0.34917	113.6	485849.5	3751435	19.8	328.4620
485549.47	3751535	0.96343	196.3	0.3131	101.9	485549.5	3751535	23.6	321.7005

485649.47	3751535	1.06239	216.4	0.33361	108.5	485649.5	3751535	24.2	349.1406
485749.47	3751535	1.06935	217.8	0.35443	115.3	485749.5	3751535	22.5	355.6406
485849.47	3751535	1.01675	207.1	0.35942	116.9	485849.5	3751535	21.6	345.6471
485549.47	3751635	1.08769	221.6	0.44044	143.3	485549.5	3751635	28.6	393.5000
485649.47	3751635	1.17873	240.1	0.35165	114.4	485649.5	3751635	28.8	383.3663
485749.47	3751635	1.20146	244.8	0.36933	120.2	485749.5	3751635	27.0	391.9662
485849.47	3751635	1.10809	225.7	0.37734	122.8	485849.5	3751635	23.1	371.6160
485549.47	3751735	1.43202	291.7	0.58524	190.4	485549.5	3751735	29.2	511.3715
485649.47	3751735	1.48415	302.3	0.57556	187.3	485649.5	3751735	33.7	523.3496
485749.47	3751735	1.44014	293.4	0.41082	133.7	485749.5	3751735	32.3	459.3269
485849.47	3751735	1.25537	255.7	0.39198	127.5	485849.5	3751735	25.8	409.0598
485549.47	3751835	1.78832	364.3	0.63398	206.3	485549.5	3751835	29.2	599.8090
485649.47	3751835	1.54781	315.3	0.62802	204.3	485649.5	3751835	34.2	553.8265
485749.47	3751835	1.69105	344.5	0.58336	189.8	485749.5	3751835	37.4	571.6782
485849.47	3751835	1.54858	315.5	0.43534	141.6	485849.5	3751835	33.3	490.4085
485549.47	3751935	2.02917	413.4	0.67763	220.5	485549.5	3751935	30.0	663.8477
485649.47	3751935	2.09771	427.3	0.68824	223.9	485649.5	3751935	35.4	686.6931
485749.47	3751935	2.0098	409.4	0.72455	235.7	485749.5	3751935	41.7	686.8995
485849.47	3751935	2.05216	418.1	0.65888	214.4	485849.5	3751935	41.8	674.2116
485549.47	3752035	2.12489	432.9	0.6775	220.4	485549.5	3752035	31.1	684.4017
485649.47	3752035	2.40321	489.6	0.73494	239.1	485649.5	3752035	35.4	764.1093
485749.47	3752035	2.39533	488.0	0.76003	247.3	485749.5	3752035	43.4	778.6412
485849.47	3752035	2.33636	476.0	0.74542	242.5	485849.5	3752035	49.4	767.8692
485549.47	3752135	2.11575	431.0	0.72996	237.5	485549.5	3752135	29.5	697.9748
485649.47	3752135	2.42166	493.3	0.75968	247.2	485649.5	3752135	34.4	774.8520
485749.47	3752135	2.85772	582.2	0.78311	254.8	485749.5	3752135	46.3	883.2398
485849.47	3752135	2.99062	609.2	0.8403	273.4	485849.5	3752135	60.3	942.9520
485549.47	3752235	2.14156	436.3	0.71811	233.6	485549.5	3752235	31.8	701.7200
485649.47	3752235	2.3883	486.5	0.78611	255.8	485649.5	3752235	32.3	774.5737
485749.47	3752235	2.74992	560.2	0.82887	269.7	485749.5	3752235	44.8	874.6354
485849.47	3752235	3.11454	634.5	0.85688	278.8	485849.5	3752235	60.4	973.7005
485549.47	3752335	2.16877	441.8	0.68266	222.1	485549.5	3752335	32.0	695.9444
485649.47	3752335	2.42978	495.0	0.76054	247.4	485649.5	3752335	34.2	776.6409
485749.47	3752335	2.7658	563.4	0.82757	269.2	485749.5	3752335	41.1	873.8065
485849.47	3752335	3.25012	662.1	0.90924	295.8	485849.5	3752335	63.5	1021.4301
485549.47	3752435	2.13728	435.4	0.61392	199.7	485549.5	3752435	32.9	668.0592
485649.47	3752435	2.3857	486.0	0.68133	221.7	485649.5	3752435	34.6	742.2876
485749.47	3752435	2.78338	567.0	0.78571	255.6	485749.5	3752435	40.0	862.6382
485849.47	3752435	3.36163	684.8	0.88154	286.8	485849.5	3752435	60.1	1031.7190
485549.47	3752535	2.00508	408.5	0.65293	212.4	485549.5	3752535	34.6	655.5364
485649.47	3752535	2.30538	469.6	0.69325	225.5	485649.5	3752535	35.7	730.9341
485749.47	3752535	2.67572	545.1	0.7338	238.7	485749.5	3752535	39.1	822.9259
485849.47	3752535	3.27617	667.4	0.79432	258.4	485849.5	3752535	58.5	984.3477
485549.47	3752635	2.10272	428.4	0.68667	223.4	485549.5	3752635	36.6	688.4070
485649.47	3752635	2.34105	476.9	0.71937	234.0	485649.5	3752635	38.0	748.9751
485749.47	3752635	2.66691	543.3	0.7555	245.8	485749.5	3752635	40.9	830.0319
485849.47	3752635	3.16736	645.2	0.80778	262.8	485849.5	3752635	57.4	965.5000
485549.47	3752735	2.12259	432.4	0.74556	242.6	485549.5	3752735	38.8	713.7643
485649.47	3752735	2.3679	482.4	0.78988	257.0	485649.5	3752735	40.6	779.9262
485749.47	3752735	2.70127	550.3	0.83967	273.2	485749.5	3752735	43.2	866.6319
485849.47	3752735	3.18935	649.7	0.89441	291.0	485849.5	3752735	55.5	996.2388
485549.47	3752835	2.09307	426.4	0.72455	235.7	485549.5	3752835	39.2	701.3223
485649.47	3752835	2.35961	480.7	0.77919	253.5	485649.5	3752835	42.9	777.1366
485749.47	3752835	2.74225	558.6	0.84026	273.4	485749.5	3752835	46.4	878.4451
485849.47	3752835	3.30064	672.4	0.90562	294.6	485849.5	3752835	53.6	1020.6045
485549.47	3752935	2.15217	438.4	0.72369	235.5	485549.5	3752935	38.0	711.8776
485649.47	3752935	2.41155	491.3	0.7719	251.1	485649.5	3752935	43.5	785.8871
485749.47	3752935	2.73998	558.2	0.82376	268.0	485749.5	3752935	49.3	875.5117
485849.47	3752935	3.28114	668.4	0.88572	288.2	485849.5	3752935	57.4	1014.0041
485549.47	3753035	1.83722	374.3	0.74231	241.5	485549.5	3753035	39.3	655.0705
485649.47	3753035	2.10997	429.8	0.80984	263.5	485649.5	3753035	44.0	737.3513
485749.47	3753035	2.512	511.7	0.88226	287.0	485749.5	3753035	50.1	848.9162
485849.47	3753035	3.11064	633.7	0.95951	312.2	485849.5	3753035	63.6	1009.4162
485549.47	3753135	1.89268	385.6	0.80161	260.8	485549.5	3753135	36.4	682.7572
485649.47	3753135	2.18026	444.2	0.85323	277.6	485649.5	3753135	42.0	763.7960
485749.47	3753135	2.35443	479.6	0.90832	295.5	485749.5	3753135	50.9	826.0281
485849.47	3753135	2.67674	545.3	0.96816	315.0	485849.5	3753135	62.9	923.1812
485549.47	3753235	1.85933	378.8	0.78091	254.1	485549.5	3753235	43.1	675.9899
485649.47	3753235	1.8811	383.2	0.83136	270.5	485649.5	3753235	46.9	700.5616
485749.47	3753235	2.17233	442.5	0.86268	280.7	485749.5	3753235	51.4	774.5693
485849.47	3753235	2.33796	476.3	0.91112	296.4	485849.5	3753235	60.0	832.7118
485549.47	3753335	1.56223	318.3	0.71979	234.2	485549.5	3753335	46.0	598.3906
485649.47	3753335	1.84054	374.9	0.74376	242.0	485649.5	3753335	51.1	668.0307
485749.47	3753335	1.92226	391.6	0.78601	255.7	485749.5	3753335	58.4	705.7114
485849.47	3753335	1.99169	405.7	0.84276	274.2	485849.5	3753335	70.3	750.1897
485549.47	3753435	1.6134	328.7	0.6879	223.8	485549.5	3753435	52.1	604.5892
485649.47	3753435	1.68325	342.9	0.7011	228.1	485649.5	3753435	53.2	624.2277
485749.47	3753435	1.78569	363.8	0.7614	247.7	485749.5	3753435	54.9	666.3923
485849.47	3753435	1.75751	358.0	0.89964	292.7	485849.5	3753435	64.6	715.3527
485619.4	3753970	1.13542	231.3	0.7285	237.0	485619.4	3753970	60.9	529.2079
485712.99	3753962	1.16129	236.6	0.7369	239.7	485713	3753962	60.1	536.4016
487190.85	3754410	1.55724	317.2	0.92027	299.4	487190.9	3754410	115.9	732.5451
487194.75	3754289	1.70914	348.2	0.98394	320.1	487194.8	3754289	107.6	775.9511
487268.83	3754091	1.53676	313.1	1.15843	376.9	487268.8	3754091	72.5	762.4756
487483.3	3754102	1.48268	302.0	1.05018	341.7	487483.3	3754102	57.4	701.1553
									1640.9

WLC LST Construction Assessment (CO 8 hour average)

Year: 2017 (Unmitigated Emissions - 15 hour day)

Unit Emission Rate	1.00E-07	g/sec-m2
Actual Construction Emissions (Mass Grading):	2.04E-05	g/sec-m2
Actual Construction Emissions (NonMass Grading):	3.25E-05	g/sec-m2

X(m)	Y(m)	Mass Grading 8hr Ave w/Unit Emissions (ug/m3)	Mass Grading 8hr Ave w/Actual Emissions (ug/m3)	Mass Grading 8hr Ave w/Unit Emissions (ug/m3)	Mass Grading 8hr Ave w/Actual Emissions (ug/m3)
461553	3741938	0.00785	1.6	0.00356	1.2
462553	3741938	0.0088	1.8	0.00399	1.3
463553	3741938	0.00858	1.7	0.00394	1.3
464553	3741938	0.01089	2.2	0.00472	1.5
465553	3741938	0.01121	2.3	0.00503	1.6
466553	3741938	0.01132	2.3	0.00543	1.8
467553	3741938	0.01147	2.3	0.00522	1.7
468553	3741938	0.01104	2.2	0.00493	1.6
469553	3741938	0.01203	2.5	0.00529	1.7
470553	3741938	0.01329	2.7	0.00554	1.8
471553	3741938	0.01362	2.8	0.00637	2.1
472553	3741938	0.0127	2.6	0.00625	2.0
473553	3741938	0.02802	5.7	0.01036	3.4
474553	3741938	0.0172	3.5	0.01147	3.7
475553	3741938	0.01581	3.2	0.00693	2.3
476553	3741938	0.01484	3.0	0.00692	2.3
477553	3741938	0.02324	4.7	0.00681	2.2
478553	3741938	0.03501	7.1	0.01458	4.7
479553	3741938	0.02461	5.0	0.0145	4.7
480553	3741938	0.0217	4.4	0.0112	3.6
481553	3741938	0.02161	4.4	0.00931	3.0
482553	3741938	0.02856	5.8	0.01022	3.3
483553	3741938	0.02361	4.8	0.01385	4.5
484553	3741938	0.02584	5.3	0.0118	3.8
485553	3741938	0.03155	6.4	0.01459	4.7
486553	3741938	0.02408	4.9	0.01272	4.1
487553	3741938	0.02463	5.0	0.00943	3.1
488553	3741938	0.02329	4.7	0.01198	3.9
489553	3741938	0.02216	4.5	0.00977	3.2
490553	3741938	0.0295	6.0	0.01179	3.8
491553	3741938	0.02981	6.1	0.0178	5.8
492553	3741938	0.0213	4.3	0.01081	3.5
493553	3741938	0.02463	5.0	0.00986	3.2
494553	3741938	0.01711	3.5	0.01199	3.9
495553	3741938	0.021	4.3	0.01314	4.3
496553	3741938	0.01714	3.5	0.00751	2.4
497553	3741938	0.01678	3.4	0.00781	2.5
498553	3741938	0.02098	4.3	0.00848	2.8
499553	3741938	0.01886	3.8	0.00989	3.2
500553	3741938	0.01706	3.5	0.00852	2.8
501553	3741938	0.01511	3.1	0.00809	2.6
502553	3741938	0.01898	3.9	0.00705	2.3
503553	3741938	0.02091	4.3	0.00908	3.0
504553	3741938	0.01405	2.9	0.00875	2.8
505553	3741938	0.01195	2.4	0.00479	1.6
461553	3742938	0.00734	1.5	0.0033	1.1
462553	3742938	0.00789	1.6	0.00356	1.2
463553	3742938	0.00844	1.7	0.00381	1.2
464553	3742938	0.00817	1.7	0.00367	1.2
465553	3742938	0.00787	1.6	0.00364	1.2
466553	3742938	0.01099	2.2	0.0046	1.5
467553	3742938	0.01167	2.4	0.00539	1.8
468553	3742938	0.0148	3.0	0.00667	2.2
469553	3742938	0.01289	2.6	0.00594	1.9
470553	3742938	0.01251	2.5	0.00595	1.9
471553	3742938	0.01514	3.1	0.006	2.0
472553	3742938	0.01717	3.5	0.00777	2.5
473553	3742938	0.01364	2.8	0.00634	2.1
474553	3742938	0.02604	5.3	0.00929	3.0
475553	3742938	0.01803	3.7	0.00877	2.9
476553	3742938	0.01313	2.7	0.00628	2.0
477553	3742938	0.01366	2.8	0.00625	2.0
478553	3742938	0.03005	6.1	0.0092	3.0
479553	3742938	0.038	7.7	0.01758	5.7
480553	3742938	0.02823	5.8	0.01317	4.3
481553	3742938	0.02342	4.8	0.01147	3.7
482553	3742938	0.02509	5.1	0.01154	3.8
483553	3742938	0.02939	6.0	0.01571	5.1
484553	3742938	0.03021	6.2	0.01322	4.3
485553	3742938	0.03672	7.5	0.01569	5.1
486553	3742938	0.02719	5.5	0.01446	4.7
487553	3742938	0.02839	5.8	0.01077	3.5
488553	3742938	0.02372	4.8	0.01369	4.5
489553	3742938	0.02726	5.6	0.0115	3.7
490553	3742938	0.03529	7.2	0.01387	4.5
491553	3742938	0.03	6.1	0.01679	5.5
492553	3742938	0.03935	8.0	0.01445	4.7
493553	3742938	0.01879	3.8	0.01334	4.3
494553	3742938	0.01773	3.6	0.01181	3.8
495553	3742938	0.01898	3.9	0.0086	2.8

Year: 2017 (Unmitigated Operational Emissions)

X(m)	Y(m)	8hr Ave Operational (ug/m3)	Total 8hr Ave Construction and Operation (ug/m3)
461553	3741938	0.9	3.7
462553	3741938	0.8	3.9
463553	3741938	0.8	3.8
464553	3741938	0.8	4.6
465553	3741938	0.7	4.6
466553	3741938	0.7	4.7
467553	3741938	0.8	4.8
468553	3741938	1.0	4.9
469553	3741938	1.2	5.4
470553	3741938	1.1	5.6
471553	3741938	1.3	6.2
472553	3741938	1.4	6.0
473553	3741938	1.3	10.3
474553	3741938	1.3	8.5
475553	3741938	1.3	6.7
476553	3741938	1.2	6.4
477553	3741938	1.2	8.2
478553	3741938	1.4	13.3
479553	3741938	1.2	11.0
480553	3741938	1.1	9.1
481553	3741938	1.3	8.7
482553	3741938	1.4	10.6
483553	3741938	1.9	11.2
484553	3741938	1.9	11.0
485553	3741938	1.6	12.8
486553	3741938	1.5	10.6
487553	3741938	1.6	9.7
488553	3741938	1.5	10.2
489553	3741938	1.9	9.5
490553	3741938	1.8	11.6
491553	3741938	2.2	14.1
492553	3741938	1.7	9.6
493553	3741938	1.9	10.2
494553	3741938	1.1	8.5
495553	3741938	1.8	10.4
496553	3741938	1.6	7.5
497553	3741938	1.4	7.3
498553	3741938	1.3	8.4
499553	3741938	1.1	8.1
500553	3741938	1.0	7.3
501553	3741938	1.0	6.7
502553	3741938	1.0	7.2
503553	3741938	1.0	8.2
504553	3741938	1.0	6.7
505553	3741938	0.7	4.7
461553	3742938	1.1	3.6
462553	3742938	1.1	3.8
463553	3742938	1.0	4.0
464553	3742938	1.0	3.8
465553	3742938	0.9	3.6
466553	3742938	0.8	4.5
467553	3742938	0.7	4.8
468553	3742938	0.7	5.9
469553	3742938	1.1	5.6
470553	3742938	1.2	5.7
471553	3742938	1.3	6.3
472553	3742938	1.3	7.3
473553	3742938	1.3	6.2
474553	3742938	1.3	9.6
475553	3742938	1.2	7.7
476553	3742938	1.2	5.9
477553	3742938	1.2	6.0
478553	3742938	1.4	10.5
479553	3742938	1.5	15.0
480553	3742938	1.2	11.2
481553	3742938	1.3	9.8
482553	3742938	1.5	10.4
483553	3742938	1.9	13.0
484553	3742938	2.1	12.6
485553	3742938	1.8	14.4
486553	3742938	1.7	12.0
487553	3742938	1.8	11.1
488553	3742938	1.7	11.0
489553	3742938	2.0	11.3
490553	3742938	1.9	13.6
491553	3742938	1.8	13.3
492553	3742938	2.5	15.2
493553	3742938	1.7	9.9
494553	3742938	1.6	9.1
495553	3742938	1.8	8.5

496553	3742938	0.01931	3.9	0.00872	2.8	496553	3742938	1.5	8.3
497553	3742938	0.02305	4.7	0.00966	3.1	497553	3742938	1.5	9.3
498553	3742938	0.0195	4.0	0.01075	3.5	498553	3742938	1.2	8.6
499553	3742938	0.01825	3.7	0.00859	2.8	499553	3742938	1.1	7.6
500553	3742938	0.01865	3.8	0.00849	2.8	500553	3742938	1.1	7.6
501553	3742938	0.02235	4.6	0.009	2.9	501553	3742938	1.1	8.6
502553	3742938	0.02501	5.1	0.01343	4.4	502553	3742938	1.3	10.8
503553	3742938	0.01484	3.0	0.00661	2.2	503553	3742938	0.8	5.9
504553	3742938	0.01339	2.7	0.00576	1.9	504553	3742938	0.9	5.5
505553	3742938	0.01074	2.2	0.00452	1.5	505553	3742938	0.9	4.6
461553	3743938	0.00624	1.3	0.00286	0.9	461553	3743938	1.1	3.3
462553	3743938	0.00689	1.4	0.00308	1.0	462553	3743938	1.1	3.5
463553	3743938	0.00771	1.6	0.00346	1.1	463553	3743938	1.2	3.9
464553	3743938	0.00848	1.7	0.0038	1.2	464553	3743938	1.2	4.1
465553	3743938	0.00906	1.8	0.00407	1.3	465553	3743938	1.1	4.3
466553	3743938	0.00942	1.9	0.00426	1.4	466553	3743938	1.0	4.3
467553	3743938	0.00954	1.9	0.00435	1.4	467553	3743938	0.9	4.2
468553	3743938	0.01213	2.5	0.00532	1.7	468553	3743938	0.8	5.0
469553	3743938	0.01252	2.6	0.00579	1.9	469553	3743938	0.7	5.2
470553	3743938	0.01347	2.7	0.00603	2.0	470553	3743938	0.9	5.6
471553	3743938	0.01474	3.0	0.00693	2.3	471553	3743938	1.1	6.3
472553	3743938	0.01301	2.7	0.00571	1.9	472553	3743938	1.2	5.7
473553	3743938	0.0178	3.6	0.00756	2.5	473553	3743938	1.2	7.3
474553	3743938	0.01617	3.3	0.00827	2.7	474553	3743938	1.4	7.4
475553	3743938	0.01969	4.0	0.00772	2.5	475553	3743938	1.3	7.8
476553	3743938	0.0206	4.2	0.00971	3.2	476553	3743938	1.2	8.6
477553	3743938	0.01498	3.1	0.00731	2.4	477553	3743938	1.3	6.7
478553	3743938	0.01561	3.2	0.00717	2.3	478553	3743938	1.3	6.8
479553	3743938	0.0391	8.0	0.01264	4.1	479553	3743938	1.6	13.7
480553	3743938	0.03805	7.8	0.02006	6.5	480553	3743938	1.6	15.9
481553	3743938	0.0301	6.1	0.01493	4.9	481553	3743938	1.3	12.3
482553	3743938	0.02954	6.0	0.01244	4.0	482553	3743938	1.6	11.7
483553	3743938	0.05661	11.5	0.01832	6.0	483553	3743938	2.2	19.7
484553	3743938	0.0273	5.6	0.00864	2.8	484553	3743938	2.1	10.5
485553	3743938	0.04395	9.0	0.01689	5.5	485553	3743938	2.2	16.6
486553	3743938	0.03112	6.3	0.01668	5.4	486553	3743938	2.0	13.7
487553	3743938	0.03354	6.8	0.01253	4.1	487553	3743938	1.9	12.8
488553	3743938	0.02662	5.4	0.01541	5.0	488553	3743938	2.0	12.5
489553	3743938	0.03563	7.3	0.01334	4.3	489553	3743938	2.1	13.7
490553	3743938	0.04056	8.3	0.01801	5.9	490553	3743938	2.0	16.1
491553	3743938	0.03088	6.3	0.01705	5.5	491553	3743938	1.9	13.8
492553	3743938	0.03888	7.9	0.01705	5.5	492553	3743938	2.1	15.6
493553	3743938	0.02695	5.5	0.01671	5.4	493553	3743938	1.9	12.9
494553	3743938	0.02138	4.4	0.01039	3.4	494553	3743938	2.0	9.7
495553	3743938	0.02249	4.6	0.00987	3.2	495553	3743938	1.8	9.6
496553	3743938	0.02552	5.2	0.01122	3.7	496553	3743938	1.7	10.5
497553	3743938	0.01986	4.0	0.01172	3.8	497553	3743938	1.3	9.1
498553	3743938	0.019	3.9	0.0096	3.1	498553	3743938	1.2	8.2
499553	3743938	0.0234	4.8	0.00858	2.8	499553	3743938	1.2	8.8
500553	3743938	0.02516	5.1	0.01116	3.6	500553	3743938	1.2	10.0
501553	3743938	0.02743	5.6	0.01622	5.3	501553	3743938	1.4	12.2
502553	3743938	0.01744	3.6	0.00746	2.4	502553	3743938	1.0	6.9
503553	3743938	0.01473	3.0	0.00691	2.2	503553	3743938	1.1	6.4
504553	3743938	0.01103	2.2	0.00743	2.4	504553	3743938	1.0	5.7
505553	3743938	0.01483	3.0	0.00497	1.6	505553	3743938	0.8	5.5
461553	3744938	0.00675	1.4	0.00308	1.0	461553	3744938	0.9	3.3
462553	3744938	0.00711	1.4	0.00323	1.1	462553	3744938	1.1	3.6
463553	3744938	0.00722	1.5	0.00329	1.1	463553	3744938	1.2	3.7
464553	3744938	0.00706	1.4	0.00315	1.0	464553	3744938	1.2	3.7
465553	3744938	0.0082	1.7	0.00366	1.2	465553	3744938	1.3	4.2
466553	3744938	0.00936	1.9	0.00418	1.4	466553	3744938	1.3	4.6
467553	3744938	0.01025	2.1	0.00471	1.5	467553	3744938	1.3	5.0
468553	3744938	0.01059	2.2	0.00463	1.5	468553	3744938	1.3	4.9
469553	3744938	0.01229	2.5	0.00563	1.8	469553	3744938	1.1	5.4
470553	3744938	0.01495	3.0	0.00614	2.0	470553	3744938	0.9	6.0
471553	3744938	0.01755	3.6	0.00757	2.5	471553	3744938	0.9	6.9
472553	3744938	0.01977	4.0	0.00891	2.9	472553	3744938	1.1	8.0
473553	3744938	0.01727	3.5	0.00839	2.7	473553	3744938	1.3	7.6
474553	3744938	0.02118	4.3	0.00818	2.7	474553	3744938	1.5	8.4
475553	3744938	0.01761	3.6	0.00803	2.6	475553	3744938	1.4	7.6
476553	3744938	0.02028	4.1	0.0076	2.5	476553	3744938	1.4	8.0
477553	3744938	0.02373	4.8	0.01074	3.5	477553	3744938	1.3	9.7
478553	3744938	0.01762	3.6	0.00873	2.8	478553	3744938	1.5	7.9
479553	3744938	0.02149	4.4	0.00841	2.7	479553	3744938	1.5	8.6
480553	3744938	0.05015	10.2	0.01761	5.7	480553	3744938	1.9	17.8
481553	3744938	0.03904	8.0	0.0217	7.1	481553	3744938	1.7	16.7
482553	3744938	0.03286	6.7	0.01647	5.4	482553	3744938	1.7	13.8
483553	3744938	0.04198	8.6	0.0162	5.3	483553	3744938	2.0	15.8
484553	3744938	0.04059	8.3	0.01963	6.4	484553	3744938	2.7	17.3
485553	3744938	0.04236	8.6	0.013	4.2	485553	3744938	2.1	15.0
486553	3744938	0.03744	7.6	0.0204	6.6	486553	3744938	2.3	16.6
487553	3744938	0.0397	8.1	0.0145	4.7	487553	3744938	2.1	14.9
488553	3744938	0.03275	6.7	0.01663	5.4	488553	3744938	2.3	14.4
489553	3744938	0.04628	9.4	0.01708	5.6	489553	3744938	2.3	17.3
490553	3744938	0.03876	7.9	0.02238	7.3	490553	3744938	2.0	17.2
491553	3744938	0.04542	9.3	0.01539	5.0	491553	3744938	2.2	16.5
492553	3744938	0.03497	7.1	0.0208	6.8	492553	3744938	2.2	16.1
493553	3744938	0.02471	5.0	0.0136	4.4	493553	3744938	2.2	11.7
494553	3744938	0.02693	5.5	0.01135	3.7	494553	3744938	2.1	11.3
495553	3744938	0.02845	5.8	0.0133	4.3	495553	3744938	1.9	12.0
496553	3744938	0.02297	4.7	0.01285	4.2	496553	3744938	1.4	10.3
497553	3744938	0.02397	4.9	0.01097	3.6	497553	3744938	1.4	9.8
498553	3744938	0.02859	5.8	0.01153	3.8	498553	3744938	1.4	10.9

499553	3744938	0.02902	5.9	0.01345	4.4	499553	3744938	1.3	11.5
500553	3744938	0.03077	6.3	0.01385	4.5	500553	3744938	1.5	12.3
501553	3744938	0.01902	3.9	0.00986	3.2	501553	3744938	1.3	8.4
502553	3744938	0.01448	2.9	0.0101	3.3	502553	3744938	1.4	7.6
503553	3744938	0.0175	3.6	0.00714	2.3	503553	3744938	1.2	7.1
504553	3744938	0.01214	2.5	0.00829	2.7	504553	3744938	0.9	6.1
505553	3744938	0.01172	2.4	0.00601	2.0	505553	3744938	0.8	5.2
461553	3745938	0.00753	1.5	0.00343	1.1	461553	3745938	0.8	3.4
462553	3745938	0.00825	1.7	0.00375	1.2	462553	3745938	0.8	3.7
463553	3745938	0.00827	1.7	0.00376	1.2	463553	3745938	1.0	3.9
464553	3745938	0.00769	1.6	0.0035	1.1	464553	3745938	1.1	3.8
465553	3745938	0.00765	1.6	0.00345	1.1	465553	3745938	1.2	3.9
466553	3745938	0.00804	1.6	0.00365	1.2	466553	3745938	1.4	4.2
467553	3745938	0.00862	1.8	0.00382	1.2	467553	3745938	1.5	4.5
468553	3745938	0.00946	1.9	0.00415	1.4	468553	3745938	1.6	4.8
469553	3745938	0.01063	2.2	0.00473	1.5	469553	3745938	1.7	5.4
470553	3745938	0.01475	3.0	0.00611	2.0	470553	3745938	1.4	6.4
471553	3745938	0.01448	2.9	0.00651	2.1	471553	3745938	1.3	6.3
472553	3745938	0.01847	3.8	0.00744	2.4	472553	3745938	1.1	7.3
473553	3745938	0.02512	5.1	0.01076	3.5	473553	3745938	1.1	9.7
474553	3745938	0.02558	5.2	0.01157	3.8	474553	3745938	1.4	10.4
475553	3745938	0.0191	3.9	0.00807	2.6	475553	3745938	1.3	7.8
476553	3745938	0.02111	4.3	0.00928	3.0	476553	3745938	1.5	8.8
477553	3745938	0.02096	4.3	0.00898	2.9	477553	3745938	1.5	8.7
478553	3745938	0.02834	5.8	0.0122	4.0	478553	3745938	1.5	11.2
479553	3745938	0.02129	4.3	0.0108	3.5	479553	3745938	1.7	9.5
480553	3745938	0.03275	6.7	0.01013	3.3	480553	3745938	1.8	11.8
481553	3745938	0.06155	12.5	0.02469	8.0	481553	3745938	2.1	22.7
482553	3745938	0.04636	9.4	0.02149	7.0	482553	3745938	1.9	18.3
483553	3745938	0.04401	9.0	0.01837	6.0	483553	3745938	2.3	17.2
484553	3745938	0.04614	9.4	0.02417	7.9	484553	3745938	2.9	20.2
485553	3745938	0.08021	16.3	0.02836	9.2	485553	3745938	4.1	29.7
486553	3745938	0.03536	7.2	0.02029	6.6	486553	3745938	2.8	16.6
487553	3745938	0.04656	9.5	0.01897	6.2	487553	3745938	2.5	18.1
488553	3745938	0.0448	9.1	0.01718	5.6	488553	3745938	2.6	17.3
489553	3745938	0.05734	11.7	0.02444	8.0	489553	3745938	2.5	22.1
490553	3745938	0.04975	10.1	0.02395	7.8	490553	3745938	2.4	20.3
491553	3745938	0.04741	9.7	0.02543	8.3	491553	3745938	2.6	20.5
492553	3745938	0.02972	6.1	0.0186	6.1	492553	3745938	2.5	14.6
493553	3745938	0.03308	6.7	0.01356	4.4	493553	3745938	2.5	13.7
494553	3745938	0.03193	6.5	0.01591	5.2	494553	3745938	2.2	13.8
495553	3745938	0.02603	5.3	0.01397	4.5	495553	3745938	1.7	11.5
496553	3745938	0.03218	6.6	0.01211	3.9	496553	3745938	1.5	12.0
497553	3745938	0.03322	6.8	0.01539	5.0	497553	3745938	1.6	13.3
498553	3745938	0.0355	7.2	0.01549	5.0	498553	3745938	1.5	13.8
499553	3745938	0.03836	7.8	0.01863	6.1	499553	3745938	2.5	16.3
500553	3745938	0.0278	5.7	0.01819	5.9	500553	3745938	2.7	14.3
501553	3745938	0.0282	5.7	0.01283	4.2	501553	3745938	2.0	11.9
502553	3745938	0.02146	4.4	0.01549	5.0	502553	3745938	1.9	11.3
503553	3745938	0.01751	3.6	0.00988	3.2	503553	3745938	1.4	8.2
504553	3745938	0.01711	3.5	0.00702	2.3	504553	3745938	1.1	6.9
505553	3745938	0.01707	3.5	0.00755	2.5	505553	3745938	1.3	7.2
461553	3746938	0.00546	1.1	0.00248	0.8	461553	3746938	0.6	2.5
462553	3746938	0.00597	1.2	0.00275	0.9	462553	3746938	0.7	2.9
463553	3746938	0.00706	1.4	0.00323	1.1	463553	3746938	0.8	3.3
464553	3746938	0.00773	1.6	0.00352	1.1	464553	3746938	0.8	3.5
465553	3746938	0.00877	1.8	0.00398	1.3	465553	3746938	0.9	4.0
466553	3746938	0.00943	1.9	0.00427	1.4	466553	3746938	1.1	4.4
467553	3746938	0.00925	1.9	0.00419	1.4	467553	3746938	1.3	4.6
468553	3746938	0.0092	1.9	0.00414	1.3	468553	3746938	1.5	4.7
469553	3746938	0.00955	1.9	0.00431	1.4	469553	3746938	1.7	5.0
470553	3746938	0.01338	2.7	0.00584	1.9	470553	3746938	2.1	6.7
471553	3746938	0.01334	2.7	0.00589	1.9	471553	3746938	1.9	6.6
472553	3746938	0.01444	2.9	0.00599	1.9	472553	3746938	1.8	6.7
473553	3746938	0.01915	3.9	0.00896	2.9	473553	3746938	1.4	8.2
474553	3746938	0.02331	4.7	0.00958	3.1	474553	3746938	1.4	9.2
475553	3746938	0.02172	4.4	0.00928	3.0	475553	3746938	1.3	8.7
476553	3746938	0.02257	4.6	0.01008	3.3	476553	3746938	1.5	9.3
477553	3746938	0.02545	5.2	0.01071	3.5	477553	3746938	1.7	10.4
478553	3746938	0.02547	5.2	0.01161	3.8	478553	3746938	1.7	10.7
479553	3746938	0.0344	7.0	0.01385	4.5	479553	3746938	1.7	13.2
480553	3746938	0.02696	5.5	0.01395	4.5	480553	3746938	2.0	12.0
481553	3746938	0.05267	10.7	0.01296	4.2	481553	3746938	2.3	17.3
482553	3746938	0.06789	13.8	0.03403	11.1	482553	3746938	2.4	27.3
483553	3746938	0.05163	10.5	0.02626	8.5	483553	3746938	2.5	21.6
484553	3746938	0.06479	13.2	0.02461	8.0	484553	3746938	3.1	24.3
485553	3746938	0.07369	15.0	0.02857	9.3	485553	3746938	3.7	28.0
486553	3746938	0.05885	12.0	0.04412	14.4	486553	3746938	4.1	30.4
487553	3746938	0.05484	11.2	0.02599	8.5	487553	3746938	3.1	22.7
488553	3746938	0.06784	13.8	0.02246	7.3	488553	3746938	3.1	24.2
489553	3746938	0.05701	11.6	0.0347	11.3	489553	3746938	2.9	25.8
490553	3746938	0.0648	13.2	0.02742	8.9	490553	3746938	2.9	25.0
491553	3746938	0.03782	7.7	0.02643	8.6	491553	3746938	2.9	19.2
492553	3746938	0.04176	8.5	0.0167	5.4	492553	3746938	3.0	16.9
493553	3746938	0.03617	7.4	0.01977	6.4	493553	3746938	2.5	16.3
494553	3746938	0.0342	7.0	0.01514	4.9	494553	3746938	1.9	13.8
495553	3746938	0.04082	8.3	0.01649	5.4	495553	3746938	1.8	15.5
496553	3746938	0.04239	8.6	0.01925	6.3	496553	3746938	1.7	16.6
497553	3746938	0.03819	7.8	0.01992	6.5	497553	3746938	2.0	16.2
498553	3746938	0.03603	7.3	0.02236	7.3	498553	3746938	2.6	17.2
499553	3746938	0.02379	4.8	0.01248	4.1	499553	3746938	2.0	10.9
500553	3746938	0.01725	3.5	0.01213	3.9	500553	3746938	1.7	9.1
501553	3746938	0.02239	4.6	0.00995	3.2	501553	3746938	1.5	9.3

502553	3746938	0.02174	4.4	0.00991	3.2	502553	3746938	1.4	9.0
503553	3746938	0.01882	3.8	0.01175	3.8	503553	3746938	2.0	9.7
504553	3746938	0.01408	2.9	0.00969	3.2	504553	3746938	2.1	8.2
505553	3746938	0.01471	3.0	0.00676	2.2	505553	3746938	1.6	6.8
461553	3747938	0.00593	1.2	0.00262	0.9	461553	3747938	0.6	2.7
462553	3747938	0.00602	1.2	0.00272	0.9	462553	3747938	0.6	2.7
463553	3747938	0.00576	1.2	0.00259	0.8	463553	3747938	0.6	2.6
464553	3747938	0.00576	1.2	0.00261	0.8	464553	3747938	0.7	2.7
465553	3747938	0.00624	1.3	0.00282	0.9	465553	3747938	0.7	2.9
466553	3747938	0.00971	2.0	0.00426	1.4	466553	3747938	1.0	4.4
467553	3747938	0.01073	2.2	0.00477	1.6	467553	3747938	1.1	4.9
468553	3747938	0.01197	2.4	0.00534	1.7	468553	3747938	1.1	5.3
469553	3747938	0.01274	2.6	0.00567	1.8	469553	3747938	1.3	5.8
470553	3747938	0.01367	2.8	0.00605	2.0	470553	3747938	1.7	6.4
471553	3747938	0.01534	3.1	0.00671	2.2	471553	3747938	2.0	7.3
472553	3747938	0.01504	3.1	0.00715	2.3	472553	3747938	2.3	7.7
473553	3747938	0.01656	3.4	0.00747	2.4	473553	3747938	2.4	8.2
474553	3747938	0.01715	3.5	0.00749	2.4	474553	3747938	1.9	7.8
475553	3747938	0.01894	3.9	0.00828	2.7	475553	3747938	1.6	8.1
476553	3747938	0.02253	4.6	0.00918	3.0	476553	3747938	1.4	9.0
477553	3747938	0.02841	5.8	0.01202	3.9	477553	3747938	1.6	11.3
478553	3747938	0.0299	6.1	0.01296	4.2	478553	3747938	1.9	12.2
479553	3747938	0.03479	7.1	0.01496	4.9	479553	3747938	2.1	14.0
480553	3747938	0.04258	8.7	0.01562	5.1	480553	3747938	2.1	15.9
481553	3747938	0.03103	6.3	0.01422	4.6	481553	3747938	2.5	13.4
482553	3747938	0.06961	14.2	0.016	5.2	482553	3747938	3.2	22.6
483553	3747938	0.10397	21.2	0.05349	17.4	483553	3747938	2.9	41.5
484553	3747938	0.08817	18.0	0.03551	11.6	484553	3747938	3.4	33.0
485553	3747938	0.08538	17.4	0.03463	11.3	485553	3747938	4.4	33.0
486553	3747938	0.07423	15.1	0.05237	17.0	486553	3747938	4.0	36.2
487553	3747938	0.05518	11.2	0.03901	12.7	487553	3747938	4.6	28.5
488553	3747938	0.09149	18.6	0.03476	11.3	488553	3747938	3.7	33.6
489553	3747938	0.08492	17.3	0.03722	12.1	489553	3747938	3.1	32.5
490553	3747938	0.05198	10.6	0.03873	12.6	490553	3747938	3.6	26.8
491553	3747938	0.05482	11.2	0.02153	7.0	491553	3747938	3.6	21.7
492553	3747938	0.03984	8.1	0.02517	8.2	492553	3747938	2.9	19.2
493553	3747938	0.04984	10.2	0.01876	6.1	493553	3747938	2.3	18.6
494553	3747938	0.05338	10.9	0.02358	7.7	494553	3747938	2.2	20.7
495553	3747938	0.04818	9.8	0.02458	8.0	495553	3747938	2.0	19.8
496553	3747938	0.04766	9.7	0.02863	9.3	496553	3747938	3.2	22.2
497553	3747938	0.02963	6.0	0.01875	6.1	497553	3747938	3.0	15.1
498553	3747938	0.03499	7.1	0.02014	6.6	498553	3747938	2.7	16.4
499553	3747938	0.02908	5.9	0.01184	3.9	499553	3747938	1.8	11.6
500553	3747938	0.02326	4.7	0.01455	4.7	500553	3747938	1.9	11.4
501553	3747938	0.01446	2.9	0.01068	3.5	501553	3747938	2.1	8.5
502553	3747938	0.01313	2.7	0.00689	2.2	502553	3747938	1.6	6.5
503553	3747938	0.01516	3.1	0.00721	2.3	503553	3747938	1.4	6.8
504553	3747938	0.01528	3.1	0.00713	2.3	504553	3747938	1.1	6.6
505553	3747938	0.01494	3.0	0.00783	2.5	505553	3747938	1.0	6.6
461553	3748938	0.00822	1.7	0.00358	1.2	461553	3748938	0.7	3.5
462553	3748938	0.00744	1.5	0.0032	1.0	462553	3748938	0.6	3.2
463553	3748938	0.00713	1.5	0.00321	1.0	463553	3748938	0.7	3.2
464553	3748938	0.00753	1.5	0.00336	1.1	464553	3748938	0.7	3.3
465553	3748938	0.00768	1.6	0.0034	1.1	465553	3748938	0.7	3.4
466553	3748938	0.00756	1.5	0.00332	1.1	466553	3748938	0.7	3.4
467553	3748938	0.00758	1.5	0.0034	1.1	467553	3748938	0.8	3.5
468553	3748938	0.01095	2.2	0.00497	1.6	468553	3748938	0.9	4.8
469553	3748938	0.0114	2.3	0.00509	1.7	469553	3748938	1.0	5.0
470553	3748938	0.01339	2.7	0.00582	1.9	470553	3748938	1.2	5.8
471553	3748938	0.01349	2.7	0.00643	2.1	471553	3748938	1.4	6.2
472553	3748938	0.01613	3.3	0.00763	2.5	472553	3748938	1.7	7.5
473553	3748938	0.01444	2.9	0.00668	2.2	473553	3748938	2.1	7.2
474553	3748938	0.01306	2.7	0.0059	1.9	474553	3748938	2.4	6.9
475553	3748938	0.01565	3.2	0.00662	2.2	475553	3748938	2.4	7.8
476553	3748938	0.02092	4.3	0.00882	2.9	476553	3748938	2.3	9.4
477553	3748938	0.02532	5.2	0.01078	3.5	477553	3748938	2.0	10.6
478553	3748938	0.0308	6.3	0.01224	4.0	478553	3748938	1.9	12.1
479553	3748938	0.04013	8.2	0.01676	5.5	479553	3748938	2.1	15.7
480553	3748938	0.0472	9.6	0.01883	6.1	480553	3748938	2.5	18.3
481553	3748938	0.07145	14.6	0.02392	7.8	481553	3748938	3.2	25.6
482553	3748938	0.04359	8.9	0.02096	6.8	482553	3748938	2.5	18.2
483553	3748938	0.17512	35.7	0.02899	9.4	483553	3748938	4.8	49.9
484553	3748938	0.11837	24.1	0.06717	21.9	484553	3748938	4.4	50.3
485553	3748938	0.13421	27.3	0.06658	21.7	485553	3748938	5.8	54.8
486553	3748938	0.09768	19.9	0.07921	25.8	486553	3748938	4.9	50.6
487553	3748938	0.10905	22.2	0.05946	19.3	487553	3748938	5.4	47.0
488553	3748938	0.10002	20.4	0.05961	19.4	488553	3748938	4.3	44.1
489553	3748938	0.08369	17.0	0.05444	17.7	489553	3748938	4.1	38.9
490553	3748938	0.07395	15.1	0.03019	9.8	490553	3748938	4.1	29.0
491553	3748938	0.05712	11.6	0.03349	10.9	491553	3748938	3.8	26.4
492553	3748938	0.07195	14.7	0.02797	9.1	492553	3748938	2.9	26.7
493553	3748938	0.06647	13.5	0.03311	10.8	493553	3748938	2.6	27.0
494553	3748938	0.04469	9.1	0.02969	9.7	494553	3748938	2.9	21.6
495553	3748938	0.04035	8.2	0.02891	9.4	495553	3748938	4.3	22.0
496553	3748938	0.03356	6.8	0.01417	4.6	496553	3748938	2.2	13.7
497553	3748938	0.03464	7.1	0.0211	6.9	497553	3748938	2.5	16.4
498553	3748938	0.02531	5.2	0.01993	6.5	498553	3748938	2.9	14.5
499553	3748938	0.02034	4.1	0.01053	3.4	499553	3748938	2.7	10.3
500553	3748938	0.01986	4.0	0.00864	2.8	500553	3748938	1.9	8.7
501553	3748938	0.01706	3.5	0.0098	3.2	501553	3748938	1.3	7.9
502553	3748938	0.01419	2.9	0.00871	2.8	502553	3748938	1.0	6.8
503553	3748938	0.01334	2.7	0.00733	2.4	503553	3748938	0.9	6.0
504553	3748938	0.01463	3.0	0.00636	2.1	504553	3748938	1.0	6.1

505553	3748938	0.0147	3.0	0.00681	2.2	505553	3748938	1.1	6.3
461553	3749938	0.00869	1.8	0.00405	1.3	461553	3749938	0.6	3.7
462553	3749938	0.00927	1.9	0.00427	1.4	462553	3749938	0.6	3.9
463553	3749938	0.01015	2.1	0.00463	1.5	463553	3749938	0.7	4.2
464553	3749938	0.01103	2.2	0.00497	1.6	464553	3749938	0.7	4.6
465553	3749938	0.01132	2.3	0.00504	1.6	465553	3749938	0.8	4.7
466553	3749938	0.01134	2.3	0.00498	1.6	466553	3749938	0.8	4.8
467553	3749938	0.01148	2.3	0.00497	1.6	467553	3749938	0.9	4.8
468553	3749938	0.01128	2.3	0.0048	1.6	468553	3749938	0.9	4.8
469553	3749938	0.01109	2.3	0.00488	1.6	469553	3749938	1.0	4.8
470553	3749938	0.01345	2.7	0.00598	1.9	470553	3749938	1.0	5.7
471553	3749938	0.01435	2.9	0.00705	2.3	471553	3749938	1.0	6.2
472553	3749938	0.01481	3.0	0.00691	2.2	472553	3749938	1.1	6.4
473553	3749938	0.01014	2.1	0.00456	1.5	473553	3749938	1.3	4.9
474553	3749938	0.01131	2.3	0.00518	1.7	474553	3749938	1.8	5.8
475553	3749938	0.01484	3.0	0.0066	2.1	475553	3749938	2.3	7.5
476553	3749938	0.0177	3.6	0.00775	2.5	476553	3749938	2.8	8.9
477553	3749938	0.01846	3.8	0.00801	2.6	477553	3749938	3.1	9.5
478553	3749938	0.0261	5.3	0.01067	3.5	478553	3749938	3.1	11.9
479553	3749938	0.03653	7.4	0.015	4.9	479553	3749938	2.6	15.0
480553	3749938	0.04647	9.5	0.01773	5.8	480553	3749938	2.5	17.7
481553	3749938	0.06529	13.3	0.02651	8.6	481553	3749938	3.2	25.1
482553	3749938	0.08085	16.5	0.03634	11.8	482553	3749938	4.1	32.4
483553	3749938	0.09853	20.1	0.0556	18.1	483553	3749938	5.0	43.2
484553	3749938	0.15037	30.6	0.06845	22.3	484553	3749938	5.0	57.9
485553	3749938	0.1188	24.2	0.04867	15.8	485553	3749938	7.3	47.3
486553	3749938	0.11066	22.5	0.0865	28.1	486553	3749938	6.7	57.4
487553	3749938	0.21425	43.6	0.08786	28.6	487553	3749938	6.3	78.5
488553	3749938	0.14653	29.9	0.0735	23.9	488553	3749938	5.1	58.8
489553	3749938	0.10493	21.4	0.04989	16.2	489553	3749938	5.3	42.9
490553	3749938	0.1006	20.5	0.04548	14.8	490553	3749938	5.1	40.4
491553	3749938	0.10072	20.5	0.04667	15.2	491553	3749938	3.8	39.5
492553	3749938	0.06681	13.6	0.04588	14.9	492553	3749938	3.2	31.8
493553	3749938	0.05849	11.9	0.02921	9.5	493553	3749938	4.0	25.4
494553	3749938	0.04713	9.6	0.02555	8.3	494553	3749938	3.5	21.4
495553	3749938	0.02797	5.7	0.02216	7.2	495553	3749938	2.7	15.6
496553	3749938	0.03092	6.3	0.01389	4.5	496553	3749938	3.2	14.0
497553	3749938	0.03691	7.5	0.01921	6.2	497553	3749938	3.7	17.5
498553	3749938	0.02286	4.7	0.01579	5.1	498553	3749938	2.3	12.1
499553	3749938	0.02042	4.2	0.01094	3.6	499553	3749938	1.4	9.1
500553	3749938	0.02004	4.1	0.0098	3.2	500553	3749938	1.1	8.4
501553	3749938	0.01783	3.6	0.00973	3.2	501553	3749938	1.2	8.0
502553	3749938	0.01507	3.1	0.00843	2.7	502553	3749938	1.2	7.0
503553	3749938	0.01264	2.6	0.00755	2.5	503553	3749938	1.1	6.1
504553	3749938	0.01419	2.9	0.00657	2.1	504553	3749938	0.9	5.9
505553	3749938	0.01341	2.7	0.00586	1.9	505553	3749938	0.9	5.5
461553	3750938	0.00787	1.6	0.0036	1.2	461553	3750938	0.7	3.5
462553	3750938	0.00826	1.7	0.00375	1.2	462553	3750938	0.7	3.6
463553	3750938	0.00869	1.8	0.00391	1.3	463553	3750938	0.8	3.8
464553	3750938	0.00904	1.8	0.00403	1.3	464553	3750938	0.8	3.9
465553	3750938	0.0093	1.9	0.0041	1.3	465553	3750938	0.8	4.0
466553	3750938	0.00989	2.0	0.00431	1.4	466553	3750938	0.8	4.3
467553	3750938	0.01057	2.2	0.00501	1.6	467553	3750938	0.9	4.7
468553	3750938	0.01167	2.4	0.00555	1.8	468553	3750938	0.9	5.1
469553	3750938	0.0131	2.7	0.00613	2.0	469553	3750938	1.0	5.6
470553	3750938	0.01706	3.5	0.00747	2.4	470553	3750938	1.1	7.0
471553	3750938	0.01755	3.6	0.00837	2.7	471553	3750938	1.3	7.6
472553	3750938	0.01835	3.7	0.00851	2.8	472553	3750938	1.3	7.8
473553	3750938	0.01645	3.4	0.00735	2.4	473553	3750938	1.2	7.0
474553	3750938	0.01662	3.4	0.00717	2.3	474553	3750938	1.3	7.0
475553	3750938	0.01622	3.3	0.00657	2.1	475553	3750938	1.3	6.8
476553	3750938	0.01609	3.3	0.00682	2.2	476553	3750938	1.8	7.3
477553	3750938	0.01642	3.3	0.00703	2.3	477553	3750938	2.6	8.3
478553	3750938	0.02063	4.2	0.00858	2.8	478553	3750938	3.5	10.5
479553	3750938	0.02694	5.5	0.01156	3.8	479553	3750938	4.1	13.4
480553	3750938	0.03269	6.7	0.01363	4.4	480553	3750938	4.3	15.4
481553	3750938	0.05516	11.2	0.02145	7.0	481553	3750938	3.8	22.0
482553	3750938	0.0831	16.9	0.03029	9.9	482553	3750938	3.7	30.5
483553	3750938	0.14001	28.5	0.04917	16.0	483553	3750938	4.7	49.2
484553	3750938	0.14176	28.9	0.07691	25.0	484553	3750938	7.6	61.5
485553	3750938	0.18109	36.9	0.09731	31.7	485553	3750938	6.2	74.8
486553	3750938	0.13906	28.3	0.0897	29.2	486553	3750938	5.3	62.8
487553	3750938	0.18611	37.9	0.10183	33.1	487553	3750938	8.6	79.6
488553	3750938	0.16095	32.8	0.11465	37.3	488553	3750938	6.9	77.0
489553	3750938	0.18309	37.3	0.0678	22.1	489553	3750938	7.0	66.4
490553	3750938	0.11914	24.3	0.08263	26.9	490553	3750938	5.2	56.4
491553	3750938	0.08716	17.8	0.05004	16.3	491553	3750938	4.9	38.9
492553	3750938	0.06624	13.5	0.03933	12.8	492553	3750938	5.0	31.3
493553	3750938	0.07573	15.4	0.03487	11.3	493553	3750938	4.3	31.1
494553	3750938	0.06328	12.9	0.03403	11.1	494553	3750938	4.3	28.3
495553	3750938	0.04672	9.5	0.02134	6.9	495553	3750938	4.1	20.6
496553	3750938	0.03116	6.3	0.01643	5.3	496553	3750938	2.1	13.8
497553	3750938	0.02505	5.1	0.01491	4.9	497553	3750938	1.9	11.8
498553	3750938	0.0208	4.2	0.01229	4.0	498553	3750938	1.7	10.0
499553	3750938	0.01871	3.8	0.01062	3.5	499553	3750938	1.3	8.6
500553	3750938	0.01729	3.5	0.0099	3.2	500553	3750938	1.2	7.9
501553	3750938	0.0154	3.1	0.00912	3.0	501553	3750938	1.1	7.2
502553	3750938	0.01611	3.3	0.00796	2.6	502553	3750938	1.0	6.9
503553	3750938	0.01643	3.3	0.00698	2.3	503553	3750938	0.9	6.5
504553	3750938	0.01863	3.8	0.00716	2.3	504553	3750938	0.8	6.9
505553	3750938	0.01713	3.5	0.00696	2.3	505553	3750938	0.7	6.5
461553	3751938	0.00697	1.4	0.00316	1.0	461553	3751938	0.7	3.1
462553	3751938	0.00723	1.5	0.00326	1.1	462553	3751938	0.7	3.3

463553	3751938	0.00752	1.5	0.00338	1.1	463553	3751938	0.8	3.4
464553	3751938	0.00795	1.6	0.00355	1.2	464553	3751938	0.8	3.6
465553	3751938	0.00847	1.7	0.00376	1.2	465553	3751938	0.9	3.8
466553	3751938	0.00903	1.8	0.00398	1.3	466553	3751938	0.9	4.0
467553	3751938	0.0096	2.0	0.00426	1.4	467553	3751938	1.0	4.3
468553	3751938	0.01019	2.1	0.00469	1.5	468553	3751938	1.1	4.7
469553	3751938	0.01073	2.2	0.00511	1.7	469553	3751938	1.1	5.0
470553	3751938	0.01153	2.3	0.00571	1.9	470553	3751938	1.3	5.5
471553	3751938	0.01522	3.1	0.00755	2.5	471553	3751938	1.5	7.0
472553	3751938	0.01506	3.1	0.00737	2.4	472553	3751938	1.4	6.8
473553	3751938	0.0147	3.0	0.00701	2.3	473553	3751938	1.4	6.6
474553	3751938	0.01659	3.4	0.00766	2.5	474553	3751938	1.4	7.3
475553	3751938	0.01906	3.9	0.00854	2.8	475553	3751938	1.6	8.2
476553	3751938	0.02208	4.5	0.00972	3.2	476553	3751938	1.7	9.4
477553	3751938	0.02572	5.2	0.01107	3.6	477553	3751938	1.9	10.8
478553	3751938	0.03016	6.1	0.01262	4.1	478553	3751938	2.1	12.4
479553	3751938	0.03523	7.2	0.01469	4.8	479553	3751938	2.9	14.9
480553	3751938	0.04077	8.3	0.01652	5.4	480553	3751938	4.3	18.0
481553	3751938	0.04611	9.4	0.01709	5.6	481553	3751938	5.7	20.6
482553	3751938	0.06021	12.3	0.02297	7.5	482553	3751938	6.5	26.3
483553	3751938	0.09412	19.2	0.03366	11.0	483553	3751938	6.3	36.4
484553	3751938	0.24375	49.7	0.06965	22.7	484553	3751938	7.0	79.3
485553	3751938	0.46875	95.5	0.16312	53.1	485553	3751938	12.7	161.3
486553	3751938	0.38092	77.6	0.17615	57.3	486553	3751938	8.0	142.9
487553	3751938	0.34731	70.8	0.2711	88.2	487553	3751938	13.8	172.8
488553	3751938	0.28514	58.1	0.22625	73.6	488553	3751938	10.4	142.1
489553	3751938	0.16837	34.3	0.12085	39.3	489553	3751938	8.7	82.3
490553	3751938	0.11733	23.9	0.07038	22.9	490553	3751938	7.8	54.6
491553	3751938	0.08577	17.5	0.05281	17.2	491553	3751938	6.6	41.2
492553	3751938	0.06987	14.2	0.03738	12.2	492553	3751938	5.0	31.4
493553	3751938	0.06593	13.4	0.03617	11.8	493553	3751938	5.3	30.5
494553	3751938	0.06016	12.3	0.02849	9.3	494553	3751938	4.0	25.6
495553	3751938	0.05103	10.4	0.02389	7.8	495553	3751938	2.9	21.1
496553	3751938	0.03588	7.3	0.01849	6.0	496553	3751938	1.6	15.0
497553	3751938	0.03007	6.1	0.01679	5.5	497553	3751938	1.5	13.1
498553	3751938	0.02554	5.2	0.01651	5.4	498553	3751938	1.3	11.9
499553	3751938	0.02093	4.3	0.01214	3.9	499553	3751938	1.1	9.4
500553	3751938	0.01904	3.9	0.01029	3.3	500553	3751938	1.1	8.3
501553	3751938	0.01851	3.8	0.00947	3.1	501553	3751938	1.1	8.0
502553	3751938	0.01664	3.4	0.00879	2.9	502553	3751938	1.1	7.3
503553	3751938	0.01649	3.4	0.00831	2.7	503553	3751938	1.1	7.1
504553	3751938	0.01593	3.2	0.00815	2.7	504553	3751938	1.0	6.9
505553	3751938	0.01462	3.0	0.0077	2.5	505553	3751938	1.0	6.5
461553	3752938	0.00781	1.6	0.0034	1.1	461553	3752938	0.5	3.2
462553	3752938	0.00813	1.7	0.00354	1.2	462553	3752938	0.5	3.4
463553	3752938	0.00855	1.7	0.00372	1.2	463553	3752938	0.6	3.5
464553	3752938	0.00897	1.8	0.0039	1.3	464553	3752938	0.6	3.7
465553	3752938	0.00957	1.9	0.00415	1.4	465553	3752938	0.7	4.0
466553	3752938	0.01038	2.1	0.0045	1.5	466553	3752938	0.8	4.4
467553	3752938	0.01125	2.3	0.00487	1.6	467553	3752938	0.9	4.8
468553	3752938	0.01208	2.5	0.00522	1.7	468553	3752938	1.0	5.1
469553	3752938	0.01234	2.5	0.00552	1.8	469553	3752938	1.0	5.4
470553	3752938	0.01304	2.7	0.0058	1.9	470553	3752938	1.1	5.7
471553	3752938	0.0137	2.8	0.00614	2.0	471553	3752938	1.2	6.0
472553	3752938	0.01442	2.9	0.00647	2.1	472553	3752938	1.3	6.4
473553	3752938	0.01539	3.1	0.0069	2.2	473553	3752938	1.4	6.8
474553	3752938	0.01678	3.4	0.00753	2.4	474553	3752938	1.6	7.5
475553	3752938	0.01846	3.8	0.00831	2.7	475553	3752938	1.8	8.2
476553	3752938	0.02056	4.2	0.00895	2.9	476553	3752938	2.0	9.1
477553	3752938	0.02324	4.7	0.0101	3.3	477553	3752938	2.3	10.3
478553	3752938	0.02674	5.4	0.01164	3.8	478553	3752938	2.7	11.9
479553	3752938	0.03122	6.4	0.01363	4.4	479553	3752938	3.2	14.0
480553	3752938	0.03748	7.6	0.01648	5.4	480553	3752938	3.8	16.8
481553	3752938	0.04601	9.4	0.02048	6.7	481553	3752938	4.5	20.5
482553	3752938	0.06314	12.9	0.02648	8.6	482553	3752938	5.5	27.0
483553	3752938	0.10797	22.0	0.03613	11.8	483553	3752938	8.2	41.9
484553	3752938	0.2478	50.5	0.05357	17.4	484553	3752938	10.7	78.7
485553	3752938	0.87238	177.7	0.12149	39.5	485553	3752938	15.7	232.9
486553	3752938	2.26825	462.1	0.99434	323.5	486553	3752938	21.2	806.8
487553	3752938	0.52312	106.6	0.60814	197.9	487553	3752938	20.6	325.1
488553	3752938	0.24007	48.9	0.19635	63.9	488553	3752938	18.0	130.8
489553	3752938	0.15711	32.0	0.10957	35.6	489553	3752938	14.0	81.7
490553	3752938	0.11457	23.3	0.07111	23.1	490553	3752938	9.3	55.8
491553	3752938	0.1158	23.6	0.06646	21.6	491553	3752938	6.8	52.0
492553	3752938	0.0936	19.1	0.05227	17.0	492553	3752938	5.3	41.4
493553	3752938	0.07333	14.9	0.03926	12.8	493553	3752938	4.4	32.1
494553	3752938	0.06019	12.3	0.0312	10.2	494553	3752938	3.8	26.2
495553	3752938	0.04555	9.3	0.02294	7.5	495553	3752938	3.0	19.7
496553	3752938	0.03349	6.8	0.01646	5.4	496553	3752938	1.9	14.1
497553	3752938	0.03022	6.2	0.01457	4.7	497553	3752938	1.8	12.7
498553	3752938	0.02682	5.5	0.01383	4.5	498553	3752938	1.6	11.6
499553	3752938	0.0242	4.9	0.01223	4.0	499553	3752938	1.5	10.4
500553	3752938	0.02188	4.5	0.01088	3.5	500553	3752938	1.3	9.3
501553	3752938	0.02004	4.1	0.00983	3.2	501553	3752938	1.1	8.4
502553	3752938	0.01839	3.7	0.00892	2.9	502553	3752938	1.0	7.6
503553	3752938	0.01874	3.8	0.00818	2.7	503553	3752938	0.9	7.4
504553	3752938	0.01734	3.5	0.00755	2.5	504553	3752938	0.9	6.9
505553	3752938	0.0161	3.3	0.007	2.3	505553	3752938	0.9	6.4
461553	3753938	0.00645	1.3	0.00321	1.0	461553	3753938	0.6	2.9
462553	3753938	0.00654	1.3	0.00328	1.1	462553	3753938	0.6	3.0
463553	3753938	0.00666	1.4	0.00337	1.1	463553	3753938	0.6	3.1
464553	3753938	0.00676	1.4	0.00345	1.1	464553	3753938	0.7	3.2
465553	3753938	0.007	1.4	0.00361	1.2	465553	3753938	0.7	3.3

466553	3753938	0.00733	1.5	0.00378	1.2	466553	3753938	0.7	3.5
467553	3753938	0.00785	1.6	0.00391	1.3	467553	3753938	0.8	3.7
468553	3753938	0.00862	1.8	0.00413	1.3	468553	3753938	0.9	4.0
469553	3753938	0.00967	2.0	0.0043	1.4	469553	3753938	0.9	4.3
470553	3753938	0.01052	2.1	0.00436	1.4	470553	3753938	1.0	4.5
471553	3753938	0.01114	2.3	0.0046	1.5	471553	3753938	1.0	4.8
472553	3753938	0.01236	2.5	0.00522	1.7	472553	3753938	1.1	5.3
473553	3753938	0.01357	2.8	0.00588	1.9	473553	3753938	1.2	5.8
474553	3753938	0.01555	3.2	0.00663	2.2	474553	3753938	1.3	6.6
475553	3753938	0.01843	3.8	0.00753	2.4	475553	3753938	1.4	7.6
476553	3753938	0.02204	4.5	0.00858	2.8	476553	3753938	1.6	8.9
477553	3753938	0.02657	5.4	0.01043	3.4	477553	3753938	1.9	10.7
478553	3753938	0.03219	6.6	0.01287	4.2	478553	3753938	2.3	13.0
479553	3753938	0.03858	7.9	0.01612	5.2	479553	3753938	2.8	15.9
480553	3753938	0.0525	10.7	0.02031	6.6	480553	3753938	3.4	20.7
481553	3753938	0.07527	15.3	0.02904	9.4	481553	3753938	4.4	29.2
482553	3753938	0.08915	18.2	0.04356	14.2	482553	3753938	5.9	38.3
483553	3753938	0.14938	30.4	0.05652	18.4	483553	3753938	9.2	58.0
484553	3753938	0.20547	41.9	0.09824	32.0	484553	3753938	12.9	86.7
485553	3753938	0.29193	59.5	0.14056	45.7	485553	3753938	27.3	132.5
486553	3753938	0.55772	113.6	0.22565	73.4	486553	3753938	33.3	220.4
487553	3753938	0.29066	59.2	0.21844	71.1	487553	3753938	34.2	164.5
488553	3753938	0.24183	49.3	0.14362	46.7	488553	3753938	23.9	119.9
489553	3753938	0.1636	33.3	0.10327	33.6	489553	3753938	8.3	75.3
490553	3753938	0.08768	17.9	0.05056	16.4	490553	3753938	8.3	42.6
491553	3753938	0.05709	11.6	0.03034	9.9	491553	3753938	5.5	27.0
492553	3753938	0.05433	11.1	0.0316	10.3	492553	3753938	4.6	26.0
493553	3753938	0.04588	9.3	0.02407	7.8	493553	3753938	3.4	20.6
494553	3753938	0.03989	8.1	0.01812	5.9	494553	3753938	3.3	17.3
495553	3753938	0.02454	5.0	0.01305	4.2	495553	3753938	2.5	11.7
496553	3753938	0.022	4.5	0.01205	3.9	496553	3753938	1.8	10.2
497553	3753938	0.02018	4.1	0.0117	3.8	497553	3753938	1.6	9.6
498553	3753938	0.01957	4.0	0.01097	3.6	498553	3753938	1.5	9.1
499553	3753938	0.01876	3.8	0.011	3.6	499553	3753938	1.4	8.8
500553	3753938	0.01741	3.5	0.0094	3.1	500553	3753938	1.3	7.9
501553	3753938	0.01574	3.2	0.00843	2.7	501553	3753938	1.2	7.1
502553	3753938	0.01393	2.8	0.00839	2.7	502553	3753938	1.1	6.6
503553	3753938	0.01449	3.0	0.00814	2.6	503553	3753938	1.0	6.6
504553	3753938	0.01451	3.0	0.00776	2.5	504553	3753938	1.0	6.4
505553	3753938	0.01425	2.9	0.00731	2.4	505553	3753938	0.9	6.2
461553	3754938	0.0067	1.4	0.00288	0.9	461553	3754938	0.7	3.0
462553	3754938	0.00705	1.4	0.00306	1.0	462553	3754938	0.7	3.2
463553	3754938	0.00743	1.5	0.00327	1.1	463553	3754938	0.8	3.3
464553	3754938	0.0078	1.6	0.00348	1.1	464553	3754938	0.8	3.5
465553	3754938	0.00816	1.7	0.0037	1.2	465553	3754938	0.9	3.7
466553	3754938	0.00877	1.8	0.00405	1.3	466553	3754938	0.9	4.0
467553	3754938	0.00908	1.8	0.00426	1.4	467553	3754938	1.0	4.2
468553	3754938	0.01005	2.0	0.00449	1.5	468553	3754938	1.1	4.6
469553	3754938	0.01095	2.2	0.0047	1.5	469553	3754938	1.1	4.9
470553	3754938	0.01303	2.7	0.0052	1.7	470553	3754938	1.2	5.5
471553	3754938	0.01518	3.1	0.00577	1.9	471553	3754938	1.3	6.2
472553	3754938	0.01709	3.5	0.00698	2.3	472553	3754938	1.3	7.1
473553	3754938	0.01868	3.8	0.00831	2.7	473553	3754938	1.4	7.9
474553	3754938	0.01951	4.0	0.00958	3.1	474553	3754938	1.6	8.6
475553	3754938	0.02116	4.3	0.01094	3.6	475553	3754938	1.7	9.6
476553	3754938	0.02531	5.2	0.01082	3.5	476553	3754938	2.1	10.7
477553	3754938	0.03254	6.6	0.01239	4.0	477553	3754938	2.4	13.1
478553	3754938	0.03737	7.6	0.01636	5.3	478553	3754938	2.8	15.7
479553	3754938	0.03934	8.0	0.02183	7.1	479553	3754938	3.2	18.3
480553	3754938	0.0708	14.4	0.02338	7.6	480553	3754938	3.7	25.8
481553	3754938	0.07667	15.6	0.04137	13.5	481553	3754938	4.2	33.3
482553	3754938	0.09248	18.8	0.04231	13.8	482553	3754938	5.7	38.3
483553	3754938	0.08084	16.5	0.04789	15.6	483553	3754938	8.4	40.5
484553	3754938	0.10829	22.1	0.04362	14.2	484553	3754938	13.3	49.6
485553	3754938	0.12499	25.5	0.07879	25.6	485553	3754938	31.3	82.4
486553	3754938	0.16688	34.0	0.07999	26.0	486553	3754938	39.1	99.1
487553	3754938	0.18096	36.9	0.11042	35.9	487553	3754938	33.3	106.1
488553	3754938	0.12843	26.2	0.05656	18.4	488553	3754938	13.7	58.2
489553	3754938	0.09619	19.6	0.04644	15.1	489553	3754938	9.8	44.5
490553	3754938	0.07393	15.1	0.04488	14.6	490553	3754938	6.2	35.9
491553	3754938	0.07308	14.9	0.03772	12.3	491553	3754938	4.3	31.5
492553	3754938	0.04426	9.0	0.0239	7.8	492553	3754938	3.0	19.8
493553	3754938	0.03269	6.7	0.01703	5.5	493553	3754938	2.9	15.1
494553	3754938	0.03013	6.1	0.01619	5.3	494553	3754938	2.2	13.6
495553	3754938	0.0276	5.6	0.01432	4.7	495553	3754938	1.7	12.0
496553	3754938	0.02355	4.8	0.01275	4.1	496553	3754938	1.5	10.4
497553	3754938	0.02201	4.5	0.01192	3.9	497553	3754938	1.3	9.7
498553	3754938	0.02082	4.2	0.01127	3.7	498553	3754938	1.2	9.1
499553	3754938	0.02021	4.1	0.01138	3.7	499553	3754938	1.1	8.9
500553	3754938	0.01756	3.6	0.00881	2.9	500553	3754938	1.0	7.4
501553	3754938	0.01374	2.8	0.00722	2.3	501553	3754938	0.9	6.0
502553	3754938	0.01238	2.5	0.00686	2.2	502553	3754938	0.8	5.6
503553	3754938	0.01287	2.6	0.00635	2.1	503553	3754938	0.8	5.5
504553	3754938	0.0122	2.5	0.00615	2.0	504553	3754938	0.8	5.2
505553	3754938	0.01176	2.4	0.00561	1.8	505553	3754938	0.7	5.0
461553	3755938	0.00665	1.4	0.0029	0.9	461553	3755938	0.6	2.9
462553	3755938	0.00728	1.5	0.00306	1.0	462553	3755938	0.7	3.1
463553	3755938	0.00842	1.7	0.00326	1.1	463553	3755938	0.7	3.5
464553	3755938	0.00962	2.0	0.00366	1.2	464553	3755938	0.7	3.9
465553	3755938	0.01085	2.2	0.00427	1.4	465553	3755938	0.8	4.4
466553	3755938	0.01225	2.5	0.00501	1.6	466553	3755938	0.9	5.0
467553	3755938	0.0132	2.7	0.00566	1.8	467553	3755938	1.0	5.5
468553	3755938	0.01327	2.7	0.00631	2.1	468553	3755938	1.1	5.9

469553	3755938	0.01272	2.6	0.00646	2.1	469553	3755938	1.2	5.9
470553	3755938	0.01296	2.6	0.00708	2.3	470553	3755938	1.4	6.3
471553	3755938	0.01444	2.9	0.00703	2.3	471553	3755938	1.5	6.8
472553	3755938	0.01566	3.2	0.00673	2.2	472553	3755938	1.6	7.0
473553	3755938	0.01792	3.7	0.00764	2.5	473553	3755938	1.7	7.9
474553	3755938	0.02506	5.1	0.01112	3.6	474553	3755938	1.9	10.6
475553	3755938	0.02601	5.3	0.01297	4.2	475553	3755938	1.9	11.4
476553	3755938	0.02271	4.6	0.01289	4.2	476553	3755938	2.0	10.8
477553	3755938	0.0397	8.1	0.01219	4.0	477553	3755938	2.2	14.3
478553	3755938	0.04893	10.0	0.02113	6.9	478553	3755938	2.4	19.2
479553	3755938	0.04596	9.4	0.0291	9.5	479553	3755938	3.1	21.9
480553	3755938	0.04648	9.5	0.02256	7.3	480553	3755938	3.8	20.6
481553	3755938	0.04528	9.2	0.02355	7.7	481553	3755938	4.1	21.0
482553	3755938	0.0431	8.8	0.02779	9.0	482553	3755938	6.1	23.9
483553	3755938	0.06875	14.0	0.02778	9.0	483553	3755938	8.6	31.6
484553	3755938	0.06463	13.2	0.03989	13.0	484553	3755938	9.8	35.9
485553	3755938	0.06457	13.2	0.05335	17.4	485553	3755938	13.3	43.8
486553	3755938	0.07913	16.1	0.05619	18.3	486553	3755938	17.4	51.8
487553	3755938	0.09099	18.5	0.07569	24.6	487553	3755938	11.8	54.9
488553	3755938	0.08336	17.0	0.04749	15.5	488553	3755938	7.2	39.7
489553	3755938	0.06023	12.3	0.02775	9.0	489553	3755938	5.5	26.8
490553	3755938	0.05535	11.3	0.02409	7.8	490553	3755938	4.5	23.7
491553	3755938	0.0478	9.7	0.02086	6.8	491553	3755938	3.1	19.6
492553	3755938	0.03871	7.9	0.02082	6.8	492553	3755938	2.8	17.5
493553	3755938	0.03745	7.6	0.0172	5.6	493553	3755938	1.8	15.1
494553	3755938	0.03235	6.6	0.01775	5.8	494553	3755938	1.8	14.2
495553	3755938	0.02944	6.0	0.01521	4.9	495553	3755938	2.0	13.0
496553	3755938	0.01978	4.0	0.00995	3.2	496553	3755938	1.8	9.0
497553	3755938	0.02012	4.1	0.01007	3.3	497553	3755938	1.5	8.9
498553	3755938	0.01983	4.0	0.01038	3.4	498553	3755938	1.2	8.6
499553	3755938	0.01849	3.8	0.01019	3.3	499553	3755938	1.0	8.1
500553	3755938	0.01429	2.9	0.00741	2.4	500553	3755938	0.9	6.2
501553	3755938	0.0149	3.0	0.00828	2.7	501553	3755938	0.8	6.6
502553	3755938	0.01577	3.2	0.00762	2.5	502553	3755938	0.8	6.5
503553	3755938	0.0154	3.1	0.0075	2.4	503553	3755938	0.7	6.3
504553	3755938	0.01452	3.0	0.00729	2.4	504553	3755938	0.7	6.0
505553	3755938	0.01449	3.0	0.0069	2.2	505553	3755938	0.7	5.9
461553	3756938	0.00989	2.0	0.00432	1.4	461553	3756938	0.8	4.2
462553	3756938	0.01017	2.1	0.00461	1.5	462553	3756938	0.9	4.4
463553	3756938	0.01018	2.1	0.00482	1.6	463553	3756938	0.9	4.6
464553	3756938	0.00989	2.0	0.00493	1.6	464553	3756938	1.0	4.6
465553	3756938	0.00927	1.9	0.0049	1.6	465553	3756938	1.0	4.5
466553	3756938	0.00894	1.8	0.00472	1.5	466553	3756938	1.1	4.4
467553	3756938	0.00963	2.0	0.00428	1.4	467553	3756938	1.1	4.4
468553	3756938	0.0105	2.1	0.00445	1.4	468553	3756938	1.1	4.7
469553	3756938	0.01184	2.4	0.00509	1.7	469553	3756938	1.1	5.2
470553	3756938	0.01339	2.7	0.00602	2.0	470553	3756938	1.1	5.8
471553	3756938	0.01467	3.0	0.00688	2.2	471553	3756938	1.2	6.5
472553	3756938	0.01497	3.0	0.00725	2.4	472553	3756938	1.4	6.8
473553	3756938	0.01616	3.3	0.00897	2.9	473553	3756938	1.5	7.8
474553	3756938	0.01584	3.2	0.00704	2.3	474553	3756938	1.4	6.9
475553	3756938	0.03552	7.2	0.0119	3.9	475553	3756938	2.1	13.2
476553	3756938	0.03374	6.9	0.02059	6.7	476553	3756938	1.9	15.4
477553	3756938	0.03219	6.6	0.01743	5.7	477553	3756938	2.0	14.2
478553	3756938	0.03196	6.5	0.01531	5.0	478553	3756938	2.4	13.9
479553	3756938	0.03356	6.8	0.0149	4.8	479553	3756938	3.0	14.7
480553	3756938	0.03273	6.7	0.01929	6.3	480553	3756938	3.6	16.5
481553	3756938	0.0229	4.7	0.01683	5.5	481553	3756938	3.7	13.8
482553	3756938	0.04441	9.0	0.01575	5.1	482553	3756938	3.7	17.9
483553	3756938	0.04362	8.9	0.03022	9.8	483553	3756938	4.5	23.2
484553	3756938	0.0537	10.9	0.03401	11.1	484553	3756938	4.9	26.9
485553	3756938	0.0433	8.8	0.02638	8.6	485553	3756938	6.1	23.5
486553	3756938	0.0487	9.9	0.03101	10.1	486553	3756938	7.5	27.5
487553	3756938	0.0582	11.9	0.03648	11.9	487553	3756938	6.7	30.4
488553	3756938	0.05281	10.8	0.03586	11.7	488553	3756938	4.7	27.1
489553	3756938	0.04857	9.9	0.02352	7.7	489553	3756938	3.0	20.5
490553	3756938	0.0424	8.6	0.01896	6.2	490553	3756938	2.9	17.7
491553	3756938	0.03295	6.7	0.01802	5.9	491553	3756938	2.8	15.4
492553	3756938	0.03685	7.5	0.01996	6.5	492553	3756938	2.1	16.1
493553	3756938	0.04094	8.3	0.01967	6.4	493553	3756938	2.5	17.2
494553	3756938	0.02971	6.1	0.01448	4.7	494553	3756938	2.2	12.9
495553	3756938	0.02542	5.2	0.0129	4.2	495553	3756938	1.4	10.8
496553	3756938	0.02919	5.9	0.01483	4.8	496553	3756938	1.1	11.9
497553	3756938	0.0193	3.9	0.00918	3.0	497553	3756938	1.0	7.9
498553	3756938	0.02014	4.1	0.01025	3.3	498553	3756938	1.0	8.5
499553	3756938	0.01347	2.7	0.00708	2.3	499553	3756938	1.1	6.1
500553	3756938	0.01417	2.9	0.0072	2.3	500553	3756938	1.0	6.3
501553	3756938	0.01553	3.2	0.00739	2.4	501553	3756938	1.0	6.6
502553	3756938	0.01694	3.5	0.00829	2.7	502553	3756938	0.9	7.1
503553	3756938	0.01453	3.0	0.00701	2.3	503553	3756938	0.9	6.1
504553	3756938	0.01193	2.4	0.00556	1.8	504553	3756938	0.8	5.0
505553	3756938	0.01027	2.1	0.00521	1.7	505553	3756938	0.7	4.5
461553	3757938	0.00671	1.4	0.00372	1.2	461553	3757938	0.8	3.4
462553	3757938	0.007	1.4	0.00339	1.1	462553	3757938	0.8	3.3
463553	3757938	0.00787	1.6	0.00329	1.1	463553	3757938	0.8	3.5
464553	3757938	0.00883	1.8	0.00369	1.2	464553	3757938	0.8	3.8
465553	3757938	0.00941	1.9	0.00405	1.3	465553	3757938	0.8	4.0
466553	3757938	0.00987	2.0	0.00439	1.4	466553	3757938	0.8	4.3
467553	3757938	0.0102	2.1	0.00472	1.5	467553	3757938	0.9	4.5
468553	3757938	0.01069	2.2	0.00498	1.6	468553	3757938	1.0	4.8
469553	3757938	0.01083	2.2	0.00529	1.7	469553	3757938	1.0	4.9
470553	3757938	0.01143	2.3	0.0056	1.8	470553	3757938	1.0	5.2
471553	3757938	0.01557	3.2	0.00549	1.8	471553	3757938	1.0	6.0

472553	3757938	0.02399	4.9	0.00822	2.7	472553	3757938	1.2	8.8
473553	3757938	0.01656	3.4	0.00779	2.5	473553	3757938	1.0	6.9
474553	3757938	0.01174	2.4	0.00939	3.1	474553	3757938	1.1	6.6
475553	3757938	0.02111	4.3	0.00995	3.2	475553	3757938	1.8	9.4
476553	3757938	0.0247	5.0	0.01135	3.7	476553	3757938	2.0	10.7
477553	3757938	0.02626	5.3	0.0124	4.0	477553	3757938	2.6	11.9
478553	3757938	0.02568	5.2	0.01399	4.6	478553	3757938	2.6	12.3
479553	3757938	0.02187	4.5	0.01155	3.8	479553	3757938	2.4	10.6
480553	3757938	0.01863	3.8	0.01048	3.4	480553	3757938	1.8	9.0
481553	3757938	0.03387	6.9	0.01281	4.2	481553	3757938	2.1	13.1
482553	3757938	0.03161	6.4	0.02038	6.6	482553	3757938	2.8	15.8
483553	3757938	0.03029	6.2	0.01373	4.5	483553	3757938	2.8	13.5
484553	3757938	0.03176	6.5	0.02	6.5	484553	3757938	4.1	17.0
485553	3757938	0.03636	7.4	0.02044	6.7	485553	3757938	3.9	17.9
486553	3757938	0.03561	7.3	0.01798	5.8	486553	3757938	5.7	18.8
487553	3757938	0.05496	11.2	0.0189	6.1	487553	3757938	4.4	21.7
488553	3757938	0.05433	11.1	0.01848	6.0	488553	3757938	3.4	20.5
489553	3757938	0.03099	6.3	0.01914	6.2	489553	3757938	2.7	15.3
490553	3757938	0.02842	5.8	0.02353	7.7	490553	3757938	2.2	15.7
491553	3757938	0.03341	6.8	0.01317	4.3	491553	3757938	1.7	12.8
492553	3757938	0.02261	4.6	0.01674	5.4	492553	3757938	2.1	12.2
493553	3757938	0.03191	6.5	0.0159	5.2	493553	3757938	2.9	14.6
494553	3757938	0.02596	5.3	0.01141	3.7	494553	3757938	1.8	10.8
495553	3757938	0.0292	5.9	0.01537	5.0	495553	3757938	1.7	12.6
496553	3757938	0.02057	4.2	0.01007	3.3	496553	3757938	1.5	8.9
497553	3757938	0.01975	4.0	0.00997	3.2	497553	3757938	1.2	8.4
498553	3757938	0.02382	4.9	0.01132	3.7	498553	3757938	1.0	9.5
499553	3757938	0.01824	3.7	0.01009	3.3	499553	3757938	0.8	7.8
500553	3757938	0.01542	3.1	0.00775	2.5	500553	3757938	0.7	6.4
501553	3757938	0.01637	3.3	0.00807	2.6	501553	3757938	0.7	6.7
502553	3757938	0.01132	2.3	0.00538	1.8	502553	3757938	0.7	4.8
503553	3757938	0.01129	2.3	0.00535	1.7	503553	3757938	0.7	4.8
504553	3757938	0.013	2.6	0.00616	2.0	504553	3757938	0.7	5.3
505553	3757938	0.01097	2.2	0.00542	1.8	505553	3757938	0.7	4.7
461553	3758938	0.00782	1.6	0.00341	1.1	461553	3758938	0.7	3.4
462553	3758938	0.0082	1.7	0.00367	1.2	462553	3758938	0.8	3.6
463553	3758938	0.00847	1.7	0.0039	1.3	463553	3758938	0.8	3.8
464553	3758938	0.00882	1.8	0.00403	1.3	464553	3758938	0.8	3.9
465553	3758938	0.00919	1.9	0.00416	1.4	465553	3758938	0.8	4.0
466553	3758938	0.00907	1.8	0.00436	1.4	466553	3758938	0.8	4.0
467553	3758938	0.00879	1.8	0.00437	1.4	467553	3758938	0.7	3.9
468553	3758938	0.01145	2.3	0.0041	1.3	468553	3758938	0.8	4.4
469553	3758938	0.01396	2.8	0.00552	1.8	469553	3758938	0.8	5.4
470553	3758938	0.01576	3.2	0.00695	2.3	470553	3758938	0.9	6.4
471553	3758938	0.01619	3.3	0.00805	2.6	471553	3758938	1.0	6.9
472553	3758938	0.01032	2.1	0.00698	2.3	472553	3758938	1.1	5.5
473553	3758938	0.00931	1.9	0.00488	1.6	473553	3758938	1.0	4.5
474553	3758938	0.01715	3.5	0.00808	2.6	474553	3758938	1.6	7.7
475553	3758938	0.02072	4.2	0.0104	3.4	475553	3758938	2.0	9.6
476553	3758938	0.02352	4.8	0.01186	3.9	476553	3758938	2.1	10.7
477553	3758938	0.02342	4.8	0.01233	4.0	477553	3758938	2.1	10.9
478553	3758938	0.02255	4.6	0.0126	4.1	478553	3758938	2.0	10.7
479553	3758938	0.0162	3.3	0.00785	2.6	479553	3758938	1.4	7.3
480553	3758938	0.02605	5.3	0.01051	3.4	480553	3758938	1.6	10.3
481553	3758938	0.0256	5.2	0.01327	4.3	481553	3758938	2.0	11.5
482553	3758938	0.02635	5.4	0.01374	4.5	482553	3758938	2.0	11.8
483553	3758938	0.03001	6.1	0.01362	4.4	483553	3758938	2.2	12.8
484553	3758938	0.02671	5.4	0.01807	5.9	484553	3758938	3.5	14.8
485553	3758938	0.03639	7.4	0.01651	5.4	485553	3758938	3.5	16.3
486553	3758938	0.02676	5.5	0.01413	4.6	486553	3758938	3.0	13.1
487553	3758938	0.06409	13.1	0.01413	4.6	487553	3758938	3.3	21.0
488553	3758938	0.02877	5.9	0.01667	5.4	488553	3758938	2.7	14.0
489553	3758938	0.03732	7.6	0.02151	7.0	489553	3758938	3.0	17.6
490553	3758938	0.03815	7.8	0.01651	5.4	490553	3758938	2.6	15.8
491553	3758938	0.02886	5.9	0.01319	4.3	491553	3758938	2.0	12.2
492553	3758938	0.02734	5.6	0.01501	4.9	492553	3758938	2.0	12.4
493553	3758938	0.02157	4.4	0.01551	5.0	493553	3758938	1.7	11.2
494553	3758938	0.0264	5.4	0.01104	3.6	494553	3758938	2.2	11.1
495553	3758938	0.02242	4.6	0.01272	4.1	495553	3758938	1.9	10.6
496553	3758938	0.02556	5.2	0.0105	3.4	496553	3758938	1.4	10.0
497553	3758938	0.02099	4.3	0.0116	3.8	497553	3758938	1.2	9.2
498553	3758938	0.01505	3.1	0.00766	2.5	498553	3758938	1.0	6.6
499553	3758938	0.01747	3.6	0.0086	2.8	499553	3758938	1.0	7.3
500553	3758938	0.01871	3.8	0.00826	2.7	500553	3758938	0.9	7.4
501553	3758938	0.01869	3.8	0.00925	3.0	501553	3758938	0.8	7.6
502553	3758938	0.01116	2.3	0.00581	1.9	502553	3758938	0.7	4.9
503553	3758938	0.01334	2.7	0.00632	2.1	503553	3758938	0.6	5.4
504553	3758938	0.01249	2.5	0.00612	2.0	504553	3758938	0.6	5.1
505553	3758938	0.0083	1.7	0.00413	1.3	505553	3758938	0.5	3.5
461553	3759938	0.00778	1.6	0.00347	1.1	461553	3759938	0.7	3.4
462553	3759938	0.00791	1.6	0.00363	1.2	462553	3759938	0.6	3.4
463553	3759938	0.00808	1.6	0.00393	1.3	463553	3759938	0.6	3.5
464553	3759938	0.0074	1.5	0.00371	1.2	464553	3759938	0.6	3.3
465553	3759938	0.00958	2.0	0.00344	1.1	465553	3759938	0.6	3.7
466553	3759938	0.01165	2.4	0.00447	1.5	466553	3759938	0.7	4.5
467553	3759938	0.01318	2.7	0.00548	1.8	467553	3759938	0.8	5.3
468553	3759938	0.01335	2.7	0.00627	2.0	468553	3759938	0.8	5.6
469553	3759938	0.01268	2.6	0.00661	2.2	469553	3759938	0.8	5.6
470553	3759938	0.01243	2.5	0.00628	2.0	470553	3759938	0.9	5.5
471553	3759938	0.01477	3.0	0.00613	2.0	471553	3759938	1.0	6.0
472553	3759938	0.01322	2.7	0.00593	1.9	472553	3759938	1.2	5.8
473553	3759938	0.01281	2.6	0.0053	1.7	473553	3759938	1.1	5.4
474553	3759938	0.01805	3.7	0.00864	2.8	474553	3759938	1.8	8.3

475553	3759938	0.01834	3.7	0.0105	3.4	475553	3759938	1.7	8.8
476553	3759938	0.02003	4.1	0.01001	3.3	476553	3759938	1.7	9.1
477553	3759938	0.01159	2.4	0.00694	2.3	477553	3759938	1.2	5.8
478553	3759938	0.01695	3.5	0.00864	2.8	478553	3759938	1.9	8.2
479553	3759938	0.02056	4.2	0.00871	2.8	479553	3759938	1.5	8.5
480553	3759938	0.0197	4.0	0.00986	3.2	480553	3759938	1.6	8.8
481553	3759938	0.01448	2.9	0.01234	4.0	481553	3759938	1.5	8.5
482553	3759938	0.01593	3.2	0.01072	3.5	482553	3759938	1.8	8.5
483553	3759938	0.02203	4.5	0.01034	3.4	483553	3759938	2.7	10.6
484553	3759938	0.02773	5.6	0.01322	4.3	484553	3759938	2.7	12.6
485553	3759938	0.03671	7.5	0.01769	5.8	485553	3759938	4.0	17.2
486553	3759938	0.03593	7.3	0.01961	6.4	486553	3759938	3.8	17.5
487553	3759938	0.05949	12.1	0.01772	5.8	487553	3759938	3.5	21.4
488553	3759938	0.04053	8.3	0.03159	10.3	488553	3759938	4.5	23.0
489553	3759938	0.04813	9.8	0.01891	6.2	489553	3759938	3.4	19.3
490553	3759938	0.03238	6.6	0.01647	5.4	490553	3759938	3.3	15.2
491553	3759938	0.03386	6.9	0.01121	3.6	491553	3759938	2.1	12.7
492553	3759938	0.02131	4.3	0.01049	3.4	492553	3759938	1.6	9.3
493553	3759938	0.02154	4.4	0.01132	3.7	493553	3759938	1.5	9.6
494553	3759938	0.01852	3.8	0.01316	4.3	494553	3759938	1.2	9.3
495553	3759938	0.01877	3.8	0.00707	2.3	495553	3759938	1.2	7.4
496553	3759938	0.02192	4.5	0.00946	3.1	496553	3759938	1.5	9.0
497553	3759938	0.01635	3.3	0.00739	2.4	497553	3759938	1.2	7.0
498553	3759938	0.02266	4.6	0.01001	3.3	498553	3759938	0.9	8.8
499553	3759938	0.01547	3.2	0.00882	2.9	499553	3759938	0.8	6.9
500553	3759938	0.01144	2.3	0.00575	1.9	500553	3759938	0.8	5.0
501553	3759938	0.01472	3.0	0.00673	2.2	501553	3759938	0.8	6.0
502553	3759938	0.01275	2.6	0.00577	1.9	502553	3759938	0.8	5.2
503553	3759938	0.01543	3.1	0.00735	2.4	503553	3759938	0.7	6.3
504553	3759938	0.01102	2.2	0.00565	1.8	504553	3759938	0.6	4.7
505553	3759938	0.00854	1.7	0.00389	1.3	505553	3759938	0.6	3.6
461553	3760938	0.00641	1.3	0.00325	1.1	461553	3760938	0.5	2.9
462553	3760938	0.00812	1.7	0.00298	1.0	462553	3760938	0.6	3.2
463553	3760938	0.00977	2.0	0.00376	1.2	463553	3760938	0.6	3.9
464553	3760938	0.01133	2.3	0.00465	1.5	464553	3760938	0.7	4.5
465553	3760938	0.01194	2.4	0.00528	1.7	465553	3760938	0.7	4.9
466553	3760938	0.01173	2.4	0.00564	1.8	466553	3760938	0.7	4.9
467553	3760938	0.01053	2.1	0.00558	1.8	467553	3760938	0.8	4.7
468553	3760938	0.01063	2.2	0.00502	1.6	468553	3760938	0.8	4.6
469553	3760938	0.01238	2.5	0.00521	1.7	469553	3760938	0.9	5.1
470553	3760938	0.01396	2.8	0.00636	2.1	470553	3760938	1.0	5.9
471553	3760938	0.01437	2.9	0.00714	2.3	471553	3760938	1.1	6.4
472553	3760938	0.01525	3.1	0.00662	2.2	472553	3760938	1.5	6.7
473553	3760938	0.016	3.3	0.00785	2.6	473553	3760938	1.3	7.1
474553	3760938	0.0168	3.4	0.0087	2.8	474553	3760938	1.5	7.8
475553	3760938	0.01528	3.1	0.00866	2.8	475553	3760938	1.3	7.3
476553	3760938	0.00956	1.9	0.00615	2.0	476553	3760938	1.1	5.0
477553	3760938	0.01252	2.6	0.0062	2.0	477553	3760938	1.3	5.9
478553	3760938	0.01739	3.5	0.00914	3.0	478553	3760938	1.6	8.1
479553	3760938	0.02323	4.7	0.01003	3.3	479553	3760938	1.9	9.9
480553	3760938	0.01581	3.2	0.00915	3.0	480553	3760938	1.3	7.5
481553	3760938	0.01932	3.9	0.00778	2.5	481553	3760938	1.6	8.1
482553	3760938	0.02009	4.1	0.00924	3.0	482553	3760938	2.0	9.1
483553	3760938	0.02019	4.1	0.01393	4.5	483553	3760938	2.6	11.2
484553	3760938	0.02625	5.3	0.01343	4.4	484553	3760938	3.4	13.1
485553	3760938	0.0323	6.6	0.01711	5.6	485553	3760938	4.4	16.5
486553	3760938	0.03267	6.7	0.01701	5.5	486553	3760938	2.7	14.9
487553	3760938	0.03736	7.6	0.01752	5.7	487553	3760938	3.1	16.4
488553	3760938	0.03265	6.7	0.02853	9.3	488553	3760938	2.9	18.8
489553	3760938	0.02754	5.6	0.0134	4.4	489553	3760938	2.0	12.0
490553	3760938	0.02594	5.3	0.01293	4.2	490553	3760938	2.2	11.7
491553	3760938	0.01693	3.4	0.0117	3.8	491553	3760938	2.1	9.4
492553	3760938	0.0205	4.2	0.01306	4.2	492553	3760938	1.5	9.9
493553	3760938	0.01628	3.3	0.00936	3.0	493553	3760938	1.3	7.7
494553	3760938	0.0184	3.7	0.00918	3.0	494553	3760938	1.2	7.9
495553	3760938	0.01837	3.7	0.01133	3.7	495553	3760938	0.9	8.4
496553	3760938	0.01293	2.6	0.00557	1.8	496553	3760938	1.1	5.5
497553	3760938	0.01777	3.6	0.00909	3.0	497553	3760938	1.0	7.6
498553	3760938	0.01547	3.2	0.00944	3.1	498553	3760938	1.0	7.3
499553	3760938	0.01242	2.5	0.00626	2.0	499553	3760938	0.9	5.5
500553	3760938	0.01066	2.2	0.00556	1.8	500553	3760938	0.7	4.7
501553	3760938	0.01183	2.4	0.00587	1.9	501553	3760938	0.6	5.0
502553	3760938	0.00831	1.7	0.00448	1.5	502553	3760938	0.7	3.8
503553	3760938	0.01179	2.4	0.00527	1.7	503553	3760938	0.6	4.8
504553	3760938	0.00977	2.0	0.00512	1.7	504553	3760938	0.6	4.3
505553	3760938	0.00897	1.8	0.00429	1.4	505553	3760938	0.6	3.8
461553	3761938	0.00986	2.0	0.00401	1.3	461553	3761938	0.6	4.0
462553	3761938	0.01062	2.2	0.00459	1.5	462553	3761938	0.7	4.3
463553	3761938	0.01075	2.2	0.00497	1.6	463553	3761938	0.6	4.4
464553	3761938	0.01013	2.1	0.00506	1.6	464553	3761938	0.7	4.4
465553	3761938	0.00881	1.8	0.00479	1.6	465553	3761938	0.7	4.0
466553	3761938	0.00947	1.9	0.00415	1.4	466553	3761938	0.7	4.0
467553	3761938	0.01081	2.2	0.00453	1.5	467553	3761938	0.8	4.5
468553	3761938	0.0114	2.3	0.00519	1.7	468553	3761938	0.8	4.8
469553	3761938	0.01129	2.3	0.00557	1.8	469553	3761938	0.9	5.0
470553	3761938	0.01337	2.7	0.00578	1.9	470553	3761938	1.0	5.6
471553	3761938	0.01496	3.0	0.00728	2.4	471553	3761938	1.2	6.7
472553	3761938	0.01338	2.7	0.00787	2.6	472553	3761938	1.3	6.6
473553	3761938	0.01359	2.8	0.00606	2.0	473553	3761938	1.0	5.7
474553	3761938	0.01508	3.1	0.00801	2.6	474553	3761938	1.4	7.1
475553	3761938	0.00856	1.7	0.00586	1.9	475553	3761938	1.1	4.8
476553	3761938	0.01104	2.2	0.006	2.0	476553	3761938	1.5	5.7
477553	3761938	0.01544	3.1	0.00858	2.8	477553	3761938	1.5	7.4

478553	3761938	0.0223	4.5	0.01133	3.7	478553	3761938	2.2	10.4
479553	3761938	0.01705	3.5	0.01033	3.4	479553	3761938	1.6	8.5
480553	3761938	0.01858	3.8	0.0072	2.3	480553	3761938	1.7	7.8
481553	3761938	0.02046	4.2	0.01352	4.4	481553	3761938	2.1	10.7
482553	3761938	0.02527	5.1	0.01025	3.3	482553	3761938	3.2	11.7
483553	3761938	0.02588	5.3	0.01261	4.1	483553	3761938	3.3	12.7
484553	3761938	0.01997	4.1	0.01057	3.4	484553	3761938	2.8	10.3
485553	3761938	0.02822	5.7	0.01558	5.1	485553	3761938	3.6	14.4
486553	3761938	0.02788	5.7	0.0154	5.0	486553	3761938	2.4	13.1
487553	3761938	0.02715	5.5	0.01313	4.3	487553	3761938	2.3	12.1
488553	3761938	0.03015	6.1	0.02046	6.7	488553	3761938	2.0	14.8
489553	3761938	0.02101	4.3	0.01226	4.0	489553	3761938	2.2	10.4
490553	3761938	0.02054	4.2	0.01273	4.1	490553	3761938	1.7	10.0
491553	3761938	0.02296	4.7	0.01007	3.3	491553	3761938	1.6	9.5
492553	3761938	0.01917	3.9	0.00734	2.4	492553	3761938	1.7	7.9
493553	3761938	0.01414	2.9	0.01062	3.5	493553	3761938	1.3	7.6
494553	3761938	0.01269	2.6	0.00727	2.4	494553	3761938	1.1	6.0
495553	3761938	0.01692	3.4	0.00746	2.4	495553	3761938	0.9	6.8
496553	3761938	0.01888	3.8	0.01058	3.4	496553	3761938	0.8	8.1
497553	3761938	0.01087	2.2	0.00532	1.7	497553	3761938	0.9	4.9
498553	3761938	0.01623	3.3	0.00675	2.2	498553	3761938	0.9	6.4
499553	3761938	0.01724	3.5	0.00776	2.5	499553	3761938	0.8	6.9
500553	3761938	0.01056	2.2	0.0049	1.6	500553	3761938	0.5	4.3
501553	3761938	0.00922	1.9	0.00375	1.2	501553	3761938	0.7	3.8
502553	3761938	0.00895	1.8	0.00403	1.3	502553	3761938	0.5	3.7
503553	3761938	0.00932	1.9	0.00468	1.5	503553	3761938	0.6	4.0
504553	3761938	0.00645	1.3	0.00343	1.1	504553	3761938	0.5	3.0
505553	3761938	0.00896	1.8	0.00393	1.3	505553	3761938	0.5	3.6
461553	3762938	0.00992	2.0	0.00475	1.5	461553	3762938	0.6	4.2
462553	3762938	0.00907	1.8	0.00466	1.5	462553	3762938	0.6	4.0
463553	3762938	0.00765	1.6	0.00424	1.4	463553	3762938	0.6	3.5
464553	3762938	0.00864	1.8	0.00355	1.2	464553	3762938	0.7	3.6
465553	3762938	0.0097	2.0	0.0041	1.3	465553	3762938	0.7	4.0
466553	3762938	0.01027	2.1	0.0046	1.5	466553	3762938	0.8	4.4
467553	3762938	0.01002	2.0	0.00486	1.6	467553	3762938	0.8	4.5
468553	3762938	0.01093	2.2	0.00474	1.5	468553	3762938	0.8	4.6
469553	3762938	0.01145	2.3	0.00554	1.8	469553	3762938	0.8	4.9
470553	3762938	0.01204	2.5	0.00581	1.9	470553	3762938	0.8	5.1
471553	3762938	0.01063	2.2	0.00596	1.9	471553	3762938	0.8	4.9
472553	3762938	0.01166	2.4	0.00554	1.8	472553	3762938	0.9	5.1
473553	3762938	0.01151	2.3	0.00569	1.9	473553	3762938	0.9	5.1
474553	3762938	0.01053	2.1	0.00597	1.9	474553	3762938	1.2	5.3
475553	3762938	0.01766	3.6	0.00768	2.5	475553	3762938	1.3	7.4
476553	3762938	0.01876	3.8	0.00777	2.5	476553	3762938	1.1	7.5
477553	3762938	0.02067	4.2	0.01079	3.5	477553	3762938	1.5	9.2
478553	3762938	0.02199	4.5	0.01061	3.5	478553	3762938	1.6	9.6
479553	3762938	0.0129	2.6	0.00784	2.6	479553	3762938	1.8	7.0
480553	3762938	0.01921	3.9	0.00907	3.0	480553	3762938	1.6	8.5
481553	3762938	0.02082	4.2	0.00792	2.6	481553	3762938	2.3	9.1
482553	3762938	0.02119	4.3	0.01327	4.3	482553	3762938	2.3	11.0
483553	3762938	0.02132	4.3	0.00957	3.1	483553	3762938	2.7	10.1
484553	3762938	0.01691	3.4	0.00869	2.8	484553	3762938	2.6	8.9
485553	3762938	0.02525	5.1	0.0142	4.6	485553	3762938	3.6	13.4
486553	3762938	0.02584	5.3	0.01377	4.5	486553	3762938	2.1	11.9
487553	3762938	0.02052	4.2	0.01211	3.9	487553	3762938	2.1	10.2
488553	3762938	0.04679	9.5	0.01622	5.3	488553	3762938	2.4	17.2
489553	3762938	0.02647	5.4	0.01378	4.5	489553	3762938	2.6	12.5
490553	3762938	0.02915	5.9	0.01183	3.8	490553	3762938	2.0	11.8
491553	3762938	0.02031	4.1	0.0089	2.9	491553	3762938	1.9	8.9
492553	3762938	0.01542	3.1	0.0105	3.4	492553	3762938	1.6	8.2
493553	3762938	0.02088	4.3	0.00674	2.2	493553	3762938	1.2	7.7
494553	3762938	0.01322	2.7	0.00688	2.2	494553	3762938	1.1	6.1
495553	3762938	0.01154	2.4	0.00596	1.9	495553	3762938	0.9	5.2
496553	3762938	0.01465	3.0	0.00679	2.2	496553	3762938	0.8	6.0
497553	3762938	0.01789	3.6	0.00896	2.9	497553	3762938	0.7	7.2
498553	3762938	0.00963	2.0	0.00454	1.5	498553	3762938	0.8	4.2
499553	3762938	0.01259	2.6	0.00439	1.4	499553	3762938	0.8	4.8
500553	3762938	0.01341	2.7	0.00614	2.0	500553	3762938	0.8	5.6
501553	3762938	0.01036	2.1	0.00629	2.0	501553	3762938	0.6	4.8
502553	3762938	0.00832	1.7	0.00466	1.5	502553	3762938	0.6	3.8
503553	3762938	0.00791	1.6	0.00356	1.2	503553	3762938	0.5	3.2
504553	3762938	0.00734	1.5	0.00327	1.1	504553	3762938	0.4	3.0
505553	3762938	0.00591	1.2	0.00301	1.0	505553	3762938	0.5	2.6
461553	3763938	0.00729	1.5	0.00382	1.2	461553	3763938	0.6	3.3
462553	3763938	0.00894	1.8	0.00371	1.2	462553	3763938	0.7	3.7
463553	3763938	0.00908	1.8	0.00386	1.3	463553	3763938	0.7	3.8
464553	3763938	0.00951	1.9	0.00426	1.4	464553	3763938	0.7	4.1
465553	3763938	0.00916	1.9	0.00441	1.4	465553	3763938	0.8	4.1
466553	3763938	0.01	2.0	0.00428	1.4	466553	3763938	0.7	4.2
467553	3763938	0.01088	2.2	0.00479	1.6	467553	3763938	0.7	4.4
468553	3763938	0.01173	2.4	0.00512	1.7	468553	3763938	0.7	4.7
469553	3763938	0.00986	2.0	0.00557	1.8	469553	3763938	0.7	4.5
470553	3763938	0.01045	2.1	0.0046	1.5	470553	3763938	0.8	4.4
471553	3763938	0.00993	2.0	0.0053	1.7	471553	3763938	0.8	4.6
472553	3763938	0.01049	2.1	0.00528	1.7	472553	3763938	1.0	4.8
473553	3763938	0.01033	2.1	0.00528	1.7	473553	3763938	1.2	5.0
474553	3763938	0.01311	2.7	0.00467	1.5	474553	3763938	0.9	5.1
475553	3763938	0.01617	3.3	0.00674	2.2	475553	3763938	1.0	6.5
476553	3763938	0.01774	3.6	0.00903	2.9	476553	3763938	1.3	7.8
477553	3763938	0.01869	3.8	0.00952	3.1	477553	3763938	1.5	8.5
478553	3763938	0.01225	2.5	0.00764	2.5	478553	3763938	1.6	6.6
479553	3763938	0.01998	4.1	0.00881	2.9	479553	3763938	1.7	8.7
480553	3763938	0.01358	2.8	0.00915	3.0	480553	3763938	1.8	7.6

481553	3763938	0.01827	3.7	0.00756	2.5	481553	3763938	2.0	8.2
482553	3763938	0.01384	2.8	0.00869	2.8	482553	3763938	1.9	7.6
483553	3763938	0.01628	3.3	0.00729	2.4	483553	3763938	2.2	7.9
484553	3763938	0.02245	4.6	0.01192	3.9	484553	3763938	2.8	11.3
485553	3763938	0.019	3.9	0.01206	3.9	485553	3763938	2.2	10.0
486553	3763938	0.01959	4.0	0.01033	3.4	486553	3763938	1.4	8.8
487553	3763938	0.01332	2.7	0.00913	3.0	487553	3763938	1.5	7.2
488553	3763938	0.03695	7.5	0.01075	3.5	488553	3763938	1.7	12.8
489553	3763938	0.02129	4.3	0.01208	3.9	489553	3763938	1.8	10.1
490553	3763938	0.02072	4.2	0.01112	3.6	490553	3763938	2.0	9.8
491553	3763938	0.01512	3.1	0.01178	3.8	491553	3763938	1.5	8.4
492553	3763938	0.02034	4.1	0.00861	2.8	492553	3763938	1.5	8.4
493553	3763938	0.01226	2.5	0.00726	2.4	493553	3763938	1.5	6.4
494553	3763938	0.01804	3.7	0.0083	2.7	494553	3763938	1.0	7.4
495553	3763938	0.01306	2.7	0.00543	1.8	495553	3763938	1.0	5.4
496553	3763938	0.01066	2.2	0.00499	1.6	496553	3763938	0.8	4.6
497553	3763938	0.01286	2.6	0.00594	1.9	497553	3763938	0.7	5.3
498553	3763938	0.01661	3.4	0.00761	2.5	498553	3763938	0.6	6.5
499553	3763938	0.00853	1.7	0.00402	1.3	499553	3763938	0.7	3.7
500553	3763938	0.00882	1.8	0.00377	1.2	500553	3763938	0.7	3.7
501553	3763938	0.01107	2.3	0.00542	1.8	501553	3763938	0.8	4.8
502553	3763938	0.01054	2.1	0.00513	1.7	502553	3763938	0.6	4.4
503553	3763938	0.00807	1.6	0.00364	1.2	503553	3763938	0.4	3.2
504553	3763938	0.00528	1.1	0.00293	1.0	504553	3763938	0.4	2.4
505553	3763938	0.00568	1.2	0.00281	0.9	505553	3763938	0.3	2.4
461553	3764938	0.00862	1.8	0.00369	1.2	461553	3764938	0.6	3.6
462553	3764938	0.00944	1.9	0.00423	1.4	462553	3764938	0.8	4.1
463553	3764938	0.00914	1.9	0.00437	1.4	463553	3764938	0.8	4.1
464553	3764938	0.00912	1.9	0.00409	1.3	464553	3764938	0.7	3.9
465553	3764938	0.01037	2.1	0.00431	1.4	465553	3764938	0.6	4.1
466553	3764938	0.01058	2.2	0.0048	1.6	466553	3764938	0.6	4.3
467553	3764938	0.01041	2.1	0.00502	1.6	467553	3764938	0.6	4.3
468553	3764938	0.00885	1.8	0.00483	1.6	468553	3764938	0.7	4.0
469553	3764938	0.01011	2.1	0.00432	1.4	469553	3764938	0.7	4.2
470553	3764938	0.00927	1.9	0.00475	1.5	470553	3764938	0.7	4.1
471553	3764938	0.00862	1.8	0.00465	1.5	471553	3764938	0.9	4.2
472553	3764938	0.00958	2.0	0.0047	1.5	472553	3764938	1.2	4.7
473553	3764938	0.01223	2.5	0.00447	1.5	473553	3764938	0.9	4.8
474553	3764938	0.01409	2.9	0.00591	1.9	474553	3764938	0.9	5.7
475553	3764938	0.01475	3.0	0.00723	2.4	475553	3764938	1.1	6.5
476553	3764938	0.01359	2.8	0.00811	2.6	476553	3764938	1.1	6.5
477553	3764938	0.01624	3.3	0.00846	2.8	477553	3764938	1.5	7.6
478553	3764938	0.01447	2.9	0.00676	2.2	478553	3764938	1.4	6.5
479553	3764938	0.0148	3.0	0.00841	2.7	479553	3764938	1.4	7.2
480553	3764938	0.01485	3.0	0.00538	1.8	480553	3764938	1.8	6.5
481553	3764938	0.01535	3.1	0.0075	2.4	481553	3764938	1.5	7.1
482553	3764938	0.01345	2.7	0.00653	2.1	482553	3764938	1.9	6.8
483553	3764938	0.01765	3.6	0.00929	3.0	483553	3764938	2.0	8.6
484553	3764938	0.02042	4.2	0.01087	3.5	484553	3764938	2.7	10.4
485553	3764938	0.01891	3.9	0.01103	3.6	485553	3764938	2.2	9.7
486553	3764938	0.02021	4.1	0.01066	3.5	486553	3764938	1.6	9.2
487553	3764938	0.01489	3.0	0.00935	3.0	487553	3764938	1.6	7.7
488553	3764938	0.02992	6.1	0.00917	3.0	488553	3764938	1.6	10.6
489553	3764938	0.02029	4.1	0.01615	5.3	489553	3764938	1.6	11.0
490553	3764938	0.01633	3.3	0.00999	3.3	490553	3764938	1.8	8.4
491553	3764938	0.02226	4.5	0.00833	2.7	491553	3764938	1.4	8.7
492553	3764938	0.0159	3.2	0.00674	2.2	492553	3764938	1.5	6.9
493553	3764938	0.01425	2.9	0.00864	2.8	493553	3764938	1.0	6.7
494553	3764938	0.0121	2.5	0.00476	1.5	494553	3764938	1.2	5.2
495553	3764938	0.012	2.4	0.00808	2.6	495553	3764938	0.9	6.0
496553	3764938	0.01125	2.3	0.00456	1.5	496553	3764938	0.8	4.6
497553	3764938	0.00996	2.0	0.00438	1.4	497553	3764938	0.7	4.2
498553	3764938	0.0114	2.3	0.00429	1.4	498553	3764938	0.6	4.4
499553	3764938	0.01467	3.0	0.00625	2.0	499553	3764938	0.6	5.6
500553	3764938	0.00728	1.5	0.00411	1.3	500553	3764938	0.5	3.3
501553	3764938	0.00587	1.2	0.00273	0.9	501553	3764938	0.4	2.5
502553	3764938	0.00492	1.0	0.00237	0.8	502553	3764938	0.4	2.1
503553	3764938	0.0049	1.0	0.00231	0.8	503553	3764938	0.3	2.0
504553	3764938	0.0053	1.1	0.00235	0.8	504553	3764938	0.3	2.2
505553	3764938	0.00418	0.9	0.00219	0.7	505553	3764938	0.3	1.9
461553	3765938	0.0084	1.7	0.00399	1.3	461553	3765938	0.7	3.7
462553	3765938	0.00885	1.8	0.00418	1.4	462553	3765938	0.7	3.8
463553	3765938	0.00981	2.0	0.00392	1.3	463553	3765938	0.6	3.9
464553	3765938	0.00959	2.0	0.00458	1.5	464553	3765938	0.6	4.1
465553	3765938	0.01044	2.1	0.00458	1.5	465553	3765938	0.6	4.2
466553	3765938	0.00861	1.8	0.00476	1.5	466553	3765938	0.6	3.9
467553	3765938	0.00921	1.9	0.00394	1.3	467553	3765938	0.7	3.8
468553	3765938	0.00998	2.0	0.00475	1.5	468553	3765938	0.7	4.3
469553	3765938	0.00896	1.8	0.00417	1.4	469553	3765938	0.7	3.9
470553	3765938	0.00738	1.5	0.00422	1.4	470553	3765938	0.9	3.7
471553	3765938	0.00759	1.5	0.00338	1.1	471553	3765938	0.8	3.4
472553	3765938	0.01122	2.3	0.00418	1.4	472553	3765938	0.8	4.5
473553	3765938	0.0124	2.5	0.00523	1.7	473553	3765938	0.8	5.0
474553	3765938	0.01301	2.7	0.00627	2.0	474553	3765938	1.0	5.7
475553	3765938	0.01382	2.8	0.00697	2.3	475553	3765938	0.9	6.0
476553	3765938	0.01054	2.1	0.00609	2.0	476553	3765938	1.1	5.2
477553	3765938	0.01016	2.1	0.00495	1.6	477553	3765938	1.2	4.9
478553	3765938	0.01597	3.3	0.00632	2.1	478553	3765938	1.1	6.4
479553	3765938	0.01099	2.2	0.00708	2.3	479553	3765938	1.5	6.1
480553	3765938	0.0142	2.9	0.00577	1.9	480553	3765938	1.5	6.2
481553	3765938	0.01221	2.5	0.00737	2.4	481553	3765938	1.4	6.3
482553	3765938	0.01325	2.7	0.00581	1.9	482553	3765938	1.8	6.4
483553	3765938	0.01324	2.7	0.0071	2.3	483553	3765938	1.6	6.6

484553	3765938	0.01926	3.9	0.00883	2.9	484553	3765938	2.2	9.0
485553	3765938	0.0186	3.8	0.00966	3.1	485553	3765938	1.8	8.7
486553	3765938	0.02133	4.3	0.01025	3.3	486553	3765938	1.5	9.2
487553	3765938	0.01622	3.3	0.00912	3.0	487553	3765938	1.6	7.9
488553	3765938	0.02133	4.3	0.00724	2.4	488553	3765938	1.5	8.2
489553	3765938	0.01623	3.3	0.01476	4.8	489553	3765938	1.3	9.4
490553	3765938	0.01782	3.6	0.00867	2.8	490553	3765938	1.6	8.1
491553	3765938	0.01745	3.6	0.00784	2.6	491553	3765938	1.5	7.6
492553	3765938	0.01268	2.6	0.00886	2.9	492553	3765938	1.2	6.7
493553	3765938	0.01746	3.6	0.00647	2.1	493553	3765938	1.2	6.9
494553	3765938	0.01011	2.1	0.00579	1.9	494553	3765938	1.0	4.9
495553	3765938	0.01443	2.9	0.00448	1.5	495553	3765938	0.9	5.3
496553	3765938	0.00917	1.9	0.00635	2.1	496553	3765938	0.8	4.7
497553	3765938	0.00934	1.9	0.00446	1.5	497553	3765938	0.7	4.0
498553	3765938	0.00765	1.6	0.00372	1.2	498553	3765938	0.5	3.3
499553	3765938	0.00851	1.7	0.00269	0.9	499553	3765938	0.5	3.1
500553	3765938	0.01201	2.4	0.00491	1.6	500553	3765938	0.4	4.5
501553	3765938	0.00572	1.2	0.00352	1.1	501553	3765938	0.3	2.7
502553	3765938	0.00309	0.6	0.00162	0.5	502553	3765938	0.2	1.3
503553	3765938	0.0029	0.6	0.00146	0.5	503553	3765938	0.1	1.2
504553	3765938	0.00296	0.6	0.00135	0.4	504553	3765938	0.2	1.2
505553	3765938	0.0037	0.8	0.00166	0.5	505553	3765938	0.2	1.5
461553	3766938	0.00927	1.9	0.00358	1.2	461553	3766938	0.6	3.6
462553	3766938	0.00943	1.9	0.00429	1.4	462553	3766938	0.6	3.9
463553	3766938	0.00991	2.0	0.00433	1.4	463553	3766938	0.5	4.0
464553	3766938	0.00935	1.9	0.00465	1.5	464553	3766938	0.6	4.0
465553	3766938	0.0077	1.6	0.00421	1.4	465553	3766938	0.6	3.5
466553	3766938	0.00891	1.8	0.00368	1.2	466553	3766938	0.7	3.7
467553	3766938	0.00797	1.6	0.00416	1.4	467553	3766938	0.6	3.6
468553	3766938	0.00902	1.8	0.00414	1.3	468553	3766938	0.8	4.0
469553	3766938	0.0065	1.3	0.00377	1.2	469553	3766938	0.8	3.3
470553	3766938	0.00724	1.5	0.00298	1.0	470553	3766938	0.7	3.1
471553	3766938	0.0096	2.0	0.00361	1.2	471553	3766938	0.7	3.8
472553	3766938	0.01122	2.3	0.00476	1.5	472553	3766938	0.7	4.6
473553	3766938	0.01134	2.3	0.00539	1.8	473553	3766938	0.9	4.9
474553	3766938	0.01282	2.6	0.00591	1.9	474553	3766938	0.8	5.3
475553	3766938	0.00916	1.9	0.0059	1.9	475553	3766938	0.9	4.7
476553	3766938	0.00871	1.8	0.00427	1.4	476553	3766938	1.0	4.2
477553	3766938	0.01357	2.8	0.00399	1.3	477553	3766938	0.9	5.0
478553	3766938	0.01108	2.3	0.00705	2.3	478553	3766938	1.2	5.8
479553	3766938	0.01164	2.4	0.00435	1.4	479553	3766938	1.3	5.1
480553	3766938	0.01362	2.8	0.00617	2.0	480553	3766938	1.2	6.0
481553	3766938	0.01063	2.2	0.00631	2.1	481553	3766938	1.4	5.6
482553	3766938	0.01298	2.6	0.00558	1.8	482553	3766938	1.6	6.0
483553	3766938	0.0119	2.4	0.00602	2.0	483553	3766938	1.6	5.9
484553	3766938	0.01557	3.2	0.00592	1.9	484553	3766938	1.8	6.9
485553	3766938	0.01384	2.8	0.00679	2.2	485553	3766938	1.4	6.4
486553	3766938	0.01953	4.0	0.0094	3.1	486553	3766938	1.2	8.3
487553	3766938	0.01856	3.8	0.00882	2.9	487553	3766938	1.5	8.2
488553	3766938	0.01764	3.6	0.00649	2.1	488553	3766938	1.5	7.2
489553	3766938	0.02398	4.9	0.01357	4.4	489553	3766938	1.4	10.7
490553	3766938	0.01535	3.1	0.00709	2.3	490553	3766938	1.1	6.5
491553	3766938	0.01309	2.7	0.00668	2.2	491553	3766938	1.2	6.0
492553	3766938	0.01439	2.9	0.00683	2.2	492553	3766938	0.8	6.0
493553	3766938	0.01118	2.3	0.00444	1.4	493553	3766938	1.0	4.8
494553	3766938	0.01234	2.5	0.00731	2.4	494553	3766938	0.9	5.8
495553	3766938	0.00896	1.8	0.00431	1.4	495553	3766938	0.9	4.2
496553	3766938	0.01364	2.8	0.0054	1.8	496553	3766938	0.8	5.3
497553	3766938	0.00796	1.6	0.00428	1.4	497553	3766938	0.8	3.8
498553	3766938	0.00749	1.5	0.00368	1.2	498553	3766938	0.6	3.3
499553	3766938	0.00676	1.4	0.0033	1.1	499553	3766938	0.5	2.9
500553	3766938	0.00853	1.7	0.00292	1.0	500553	3766938	0.5	3.2
501553	3766938	0.00985	2.0	0.00416	1.4	501553	3766938	0.4	3.7
502553	3766938	0.00266	0.5	0.00119	0.4	502553	3766938	0.2	1.1
503553	3766938	0.00247	0.5	0.00118	0.4	503553	3766938	0.1	1.0
504553	3766938	0.00267	0.5	0.00122	0.4	504553	3766938	0.1	1.1
505553	3766938	0.00252	0.5	0.00114	0.4	505553	3766938	0.1	1.0
461553	3767938	0.00923	1.9	0.00426	1.4	461553	3767938	0.5	3.8
462553	3767938	0.00953	1.9	0.00437	1.4	462553	3767938	0.5	3.9
463553	3767938	0.0079	1.6	0.00438	1.4	463553	3767938	0.6	3.6
464553	3767938	0.00815	1.7	0.00357	1.2	464553	3767938	0.6	3.4
465553	3767938	0.00861	1.8	0.00389	1.3	465553	3767938	0.6	3.6
466553	3767938	0.00782	1.6	0.00389	1.3	466553	3767938	0.6	3.5
467553	3767938	0.00759	1.5	0.0037	1.2	467553	3767938	0.8	3.5
468553	3767938	0.00595	1.2	0.0034	1.1	468553	3767938	0.7	3.0
469553	3767938	0.0068	1.4	0.00284	0.9	469553	3767938	0.6	2.9
470553	3767938	0.00862	1.8	0.0033	1.1	470553	3767938	0.6	3.5
471553	3767938	0.01005	2.0	0.00424	1.4	471553	3767938	0.7	4.1
472553	3767938	0.01044	2.1	0.00485	1.6	472553	3767938	0.8	4.5
473553	3767938	0.0118	2.4	0.00505	1.6	473553	3767938	0.7	4.8
474553	3767938	0.00811	1.7	0.00555	1.8	474553	3767938	0.7	4.2
475553	3767938	0.00794	1.6	0.00378	1.2	475553	3767938	0.9	3.8
476553	3767938	0.01037	2.1	0.00369	1.2	476553	3767938	0.9	4.2
477553	3767938	0.01271	2.6	0.00596	1.9	477553	3767938	1.0	5.5
478553	3767938	0.00887	1.8	0.00537	1.7	478553	3767938	1.2	4.8
479553	3767938	0.01185	2.4	0.00479	1.6	479553	3767938	1.2	5.1
480553	3767938	0.01165	2.4	0.00584	1.9	480553	3767938	1.0	5.3
481553	3767938	0.01046	2.1	0.00454	1.5	481553	3767938	1.4	5.0
482553	3767938	0.0117	2.4	0.00524	1.7	482553	3767938	1.3	5.4
483553	3767938	0.01047	2.1	0.00522	1.7	483553	3767938	1.5	5.3
484553	3767938	0.01483	3.0	0.00574	1.9	484553	3767938	1.6	6.4
485553	3767938	0.01284	2.6	0.00588	1.9	485553	3767938	1.1	5.7
486553	3767938	0.01419	2.9	0.00678	2.2	486553	3767938	0.9	6.0

487553	3767938	0.01554	3.2	0.00757	2.5	487553	3767938	1.1	6.8
488553	3767938	0.01809	3.7	0.00757	2.5	488553	3767938	1.4	7.6
489553	3767938	0.03094	6.3	0.01155	3.8	489553	3767938	1.5	11.6
490553	3767938	0.01549	3.2	0.00704	2.3	490553	3767938	1.2	6.6
491553	3767938	0.01116	2.3	0.00621	2.0	491553	3767938	1.0	5.3
492553	3767938	0.0138	2.8	0.00479	1.6	492553	3767938	0.9	5.3
493553	3767938	0.00834	1.7	0.00565	1.8	493553	3767938	0.7	4.2
494553	3767938	0.01389	2.8	0.00455	1.5	494553	3767938	0.9	5.2
495553	3767938	0.00872	1.8	0.00558	1.8	495553	3767938	0.7	4.3
496553	3767938	0.00817	1.7	0.00356	1.2	496553	3767938	0.8	3.6
497553	3767938	0.01103	2.2	0.00575	1.9	497553	3767938	0.7	4.8
498553	3767938	0.00724	1.5	0.00342	1.1	498553	3767938	0.7	3.3
499553	3767938	0.00661	1.3	0.00318	1.0	499553	3767938	0.5	2.9
500553	3767938	0.00607	1.2	0.003	1.0	500553	3767938	0.4	2.6
501553	3767938	0.00708	1.4	0.00226	0.7	501553	3767938	0.4	2.6
502553	3767938	0.00611	1.2	0.00359	1.2	502553	3767938	0.3	2.7
503553	3767938	0.00397	0.8	0.00164	0.5	503553	3767938	0.2	1.6
504553	3767938	0.00286	0.6	0.00126	0.4	504553	3767938	0.1	1.1
505553	3767938	0.00207	0.4	0.00102	0.3	505553	3767938	0.1	0.9
484551.7	3750934	0.14015	28.6	0.07639	24.9	484551.7	3750934	7.6	61.0
484651.7	3750934	0.14744	30.0	0.07797	25.4	484651.7	3750934	7.8	63.2
484751.7	3750934	0.14801	30.2	0.05344	17.4	484751.7	3750934	6.8	54.3
484851.7	3750934	0.18791	38.3	0.04335	14.1	484851.7	3750934	6.0	58.3
484951.7	3750934	0.22969	46.8	0.04584	14.9	484951.7	3750934	5.9	67.6
485051.7	3750934	0.24146	49.2	0.04811	15.7	485051.7	3750934	6.1	70.9
485151.7	3750934	0.2184	44.5	0.04695	15.3	485151.7	3750934	5.3	65.1
485251.7	3750934	0.22423	45.7	0.06212	20.2	485251.7	3750934	5.0	70.9
485351.7	3750934	0.20393	41.5	0.08333	27.1	485351.7	3750934	4.9	73.5
485451.7	3750934	0.19602	39.9	0.09669	31.5	485451.7	3750934	5.4	76.8
484551.7	3751034	0.19886	40.5	0.07852	25.5	484551.7	3751034	7.0	73.1
484651.7	3751034	0.17676	36.0	0.08585	27.9	484651.7	3751034	7.5	71.5
484751.7	3751034	0.14501	29.5	0.07582	24.7	484751.7	3751034	8.0	62.2
484851.7	3751034	0.16362	33.3	0.05522	18.0	484851.7	3751034	6.7	58.0
484951.7	3751034	0.23237	47.3	0.05108	16.6	484951.7	3751034	6.9	70.8
485051.7	3751034	0.25543	52.0	0.04866	15.8	485051.7	3751034	6.6	74.5
485151.7	3751034	0.24907	50.7	0.05101	16.6	485151.7	3751034	6.0	73.4
485251.7	3751034	0.23507	47.9	0.04943	16.1	485251.7	3751034	5.3	69.3
485351.7	3751034	0.23259	47.4	0.07106	23.1	485351.7	3751034	5.2	75.7
485451.7	3751034	0.20916	42.6	0.09226	30.0	485451.7	3751034	5.5	78.1
484551.7	3751134	0.22368	45.6	0.07308	23.8	484551.7	3751134	7.3	76.6
484651.7	3751134	0.21473	43.7	0.08053	26.2	484651.7	3751134	7.4	77.3
484751.7	3751134	0.19258	39.2	0.08953	29.1	484751.7	3751134	7.8	76.2
484851.7	3751134	0.16148	32.9	0.07613	24.8	484851.7	3751134	8.2	65.8
484951.7	3751134	0.21775	44.4	0.06814	22.2	484951.7	3751134	7.8	74.3
485051.7	3751134	0.25211	51.4	0.05365	17.5	485051.7	3751134	7.0	75.8
485151.7	3751134	0.26971	54.9	0.05165	16.8	485151.7	3751134	6.9	78.6
485251.7	3751134	0.25626	52.2	0.05431	17.7	485251.7	3751134	5.9	75.7
485351.7	3751134	0.25317	51.6	0.05541	18.0	485351.7	3751134	5.7	75.3
485451.7	3751134	0.23567	48.0	0.08082	26.3	485451.7	3751134	5.5	79.8
484551.7	3751234	0.22802	46.5	0.08366	27.2	484551.7	3751234	7.1	80.8
484651.7	3751234	0.23808	48.5	0.08129	26.4	484651.7	3751234	7.5	82.5
484751.7	3751234	0.22866	46.6	0.08193	26.7	484751.7	3751234	7.8	81.1
484851.7	3751234	0.19278	39.3	0.09047	29.4	484851.7	3751234	8.3	77.0
484951.7	3751234	0.2103	42.8	0.08902	29.0	484951.7	3751234	8.5	80.3
485051.7	3751234	0.24264	49.4	0.07133	23.2	485051.7	3751234	7.9	80.6
485151.7	3751234	0.25852	52.7	0.05363	17.4	485151.7	3751234	7.0	77.1
485251.7	3751234	0.27472	56.0	0.05537	18.0	485251.7	3751234	5.8	79.8
485351.7	3751234	0.26236	53.4	0.05775	18.8	485351.7	3751234	5.8	78.0
485451.7	3751234	0.26599	54.2	0.06446	21.0	485451.7	3751234	5.8	80.9
484551.7	3751334	0.24286	49.5	0.08877	28.9	484551.7	3751334	6.9	85.3
484651.7	3751334	0.23937	48.8	0.09116	29.7	484651.7	3751334	7.4	85.8
484751.7	3751334	0.25319	51.6	0.09001	29.3	484751.7	3751334	7.8	88.6
484851.7	3751334	0.24562	50.0	0.08475	27.6	484851.7	3751334	8.2	85.8
484951.7	3751334	0.22029	44.9	0.09576	31.2	484951.7	3751334	8.5	84.6
485051.7	3751334	0.23735	48.4	0.09137	29.7	485051.7	3751334	8.8	86.9
485151.7	3751334	0.24575	50.1	0.06816	22.2	485151.7	3751334	7.6	79.9
485251.7	3751334	0.27141	55.3	0.05514	17.9	485251.7	3751334	6.3	79.5
485351.7	3751334	0.29281	59.7	0.05907	19.2	485351.7	3751334	6.0	84.9
485451.7	3751334	0.286	58.3	0.06132	20.0	485451.7	3751334	6.1	84.3
484551.7	3751434	0.26361	53.7	0.08806	28.7	484551.7	3751434	6.7	89.1
484651.7	3751434	0.27173	55.4	0.09578	31.2	484651.7	3751434	7.5	94.0
484751.7	3751434	0.26447	53.9	0.09866	32.1	484751.7	3751434	8.0	94.0
484851.7	3751434	0.26749	54.5	0.09838	32.0	484851.7	3751434	8.2	94.7
484951.7	3751434	0.26895	54.8	0.0964	31.4	484951.7	3751434	8.6	94.8
485051.7	3751434	0.22557	46.0	0.09511	30.9	485051.7	3751434	9.0	85.9
485151.7	3751434	0.23649	48.2	0.0834	27.1	485151.7	3751434	8.7	84.0
485251.7	3751434	0.26112	53.2	0.06835	22.2	485251.7	3751434	7.6	83.0
485351.7	3751434	0.30016	61.1	0.05937	19.3	485351.7	3751434	6.8	87.3
485451.7	3751434	0.30987	63.1	0.06318	20.6	485451.7	3751434	6.8	90.4
484551.7	3751534	0.26452	53.9	0.08143	26.5	484551.7	3751534	6.6	87.0
484651.7	3751534	0.27802	56.6	0.08719	28.4	484651.7	3751534	6.9	91.9
484751.7	3751534	0.30461	62.1	0.10252	33.4	484751.7	3751534	7.9	103.3
484851.7	3751534	0.30591	62.3	0.10737	34.9	484851.7	3751534	8.0	105.2
484951.7	3751534	0.29272	59.6	0.11014	35.8	484951.7	3751534	8.6	104.1
485051.7	3751534	0.29682	60.5	0.11176	36.4	485051.7	3751534	9.0	105.8
485151.7	3751534	0.27024	55.1	0.10381	33.8	485151.7	3751534	9.3	98.2
485251.7	3751534	0.28428	57.9	0.09169	29.8	485251.7	3751534	9.2	96.9
485351.7	3751534	0.29721	60.5	0.07286	23.7	485351.7	3751534	8.6	92.9
485451.7	3751534	0.33146	67.5	0.06422	20.9	485451.7	3751534	8.1	96.6
484551.7	3751634	0.26836	54.7	0.08233	26.8	484551.7	3751634	6.7	88.2
484651.7	3751634	0.2895	59.0	0.08717	28.4	484651.7	3751634	7.0	94.3
484751.7	3751634	0.30791	62.7	0.09242	30.1	484751.7	3751634	7.1	99.9
484851.7	3751634	0.32223	65.6	0.09987	32.5	484851.7	3751634	7.3	105.5

484951.7	3751634	0.34583	70.5	0.11368	37.0	484951.7	3751634	7.7	115.2
485051.7	3751634	0.33083	67.4	0.11277	36.7	485051.7	3751634	7.8	111.9
485151.7	3751634	0.32467	66.1	0.12444	40.5	485151.7	3751634	9.3	115.9
485251.7	3751634	0.30454	62.0	0.11774	38.3	485251.7	3751634	9.8	110.1
485351.7	3751634	0.36165	73.7	0.10613	34.5	485351.7	3751634	9.8	118.0
485451.7	3751634	0.36062	73.5	0.08324	27.1	485451.7	3751634	10.5	111.1
484551.7	3751734	0.26347	53.7	0.0802	26.1	484551.7	3751734	6.7	86.5
484651.7	3751734	0.29008	59.1	0.08657	28.2	484651.7	3751734	7.0	94.2
484751.7	3751734	0.31808	64.8	0.09305	30.3	484751.7	3751734	7.3	102.3
484851.7	3751734	0.3422	69.7	0.09875	32.1	484851.7	3751734	7.5	109.3
484951.7	3751734	0.36249	73.8	0.10688	34.8	484951.7	3751734	7.6	116.3
485051.7	3751734	0.37764	76.9	0.11552	37.6	485051.7	3751734	7.8	122.4
485151.7	3751734	0.39813	81.1	0.13023	42.4	485151.7	3751734	8.7	132.1
485251.7	3751734	0.38307	78.0	0.13793	44.9	485251.7	3751734	9.9	132.8
485351.7	3751734	0.35577	72.5	0.13212	43.0	485351.7	3751734	10.2	125.7
485451.7	3751734	0.4277	87.1	0.11409	37.1	485451.7	3751734	10.8	135.1
484551.7	3751834	0.25375	51.7	0.07506	24.4	484551.7	3751834	6.8	82.9
484651.7	3751834	0.28138	57.3	0.08276	26.9	484651.7	3751834	7.0	91.3
484751.7	3751834	0.31369	63.9	0.09045	29.4	484751.7	3751834	7.3	100.6
484851.7	3751834	0.3478	70.9	0.09839	32.0	484851.7	3751834	7.6	110.4
484951.7	3751834	0.37602	76.6	0.10521	34.2	484951.7	3751834	7.8	118.6
485051.7	3751834	0.40864	83.2	0.11423	37.2	485051.7	3751834	8.1	128.5
485151.7	3751834	0.43374	88.4	0.12499	40.7	485151.7	3751834	8.4	137.4
485251.7	3751834	0.46727	95.2	0.14421	46.9	485251.7	3751834	9.9	152.0
485351.7	3751834	0.43684	89.0	0.15068	49.0	485351.7	3751834	10.8	148.8
485451.7	3751834	0.39916	81.3	0.14319	46.6	485451.7	3751834	11.0	138.9
484551.7	3751934	0.24391	49.7	0.06961	22.6	484551.7	3751934	6.9	79.3
484651.7	3751934	0.27217	55.4	0.07694	25.0	484651.7	3751934	7.2	87.7
484751.7	3751934	0.30366	61.9	0.08557	27.8	484751.7	3751934	7.5	97.2
484851.7	3751934	0.3406	69.4	0.09417	30.6	484851.7	3751934	7.7	107.8
484951.7	3751934	0.38042	77.5	0.10333	33.6	484951.7	3751934	8.0	119.1
485051.7	3751934	0.42342	86.3	0.11307	36.8	485051.7	3751934	8.2	131.3
485151.7	3751934	0.46643	95.0	0.12278	39.9	485151.7	3751934	8.7	143.6
485251.7	3751934	0.50236	102.3	0.13554	44.1	485251.7	3751934	9.0	155.5
485351.7	3751934	0.5484	111.7	0.15674	51.0	485351.7	3751934	10.5	173.2
485451.7	3751934	0.53026	108.0	0.16755	54.5	485451.7	3751934	11.5	174.0
484551.7	3752034	0.23145	47.2	0.06767	22.0	484551.7	3752034	7.1	76.3
484651.7	3752034	0.26172	53.3	0.07299	23.7	484651.7	3752034	7.4	84.5
484751.7	3752034	0.28959	59.0	0.07827	25.5	484751.7	3752034	7.6	92.1
484851.7	3752034	0.32631	66.5	0.08788	28.6	484851.7	3752034	8.0	103.1
484951.7	3752034	0.37565	76.5	0.0987	32.1	484951.7	3752034	8.4	117.0
485051.7	3752034	0.42053	85.7	0.10868	35.4	485051.7	3752034	8.6	129.6
485151.7	3752034	0.4768	97.1	0.12072	39.3	485151.7	3752034	8.9	145.3
485251.7	3752034	0.53406	108.8	0.133	43.3	485251.7	3752034	9.3	161.4
485351.7	3752034	0.58591	119.4	0.14712	47.9	485351.7	3752034	10.1	177.3
485451.7	3752034	0.63127	128.6	0.17116	55.7	485451.7	3752034	12.0	196.3
484551.7	3752134	0.20811	42.4	0.06139	20.0	484551.7	3752134	7.2	69.6
484651.7	3752134	0.23985	48.9	0.06742	21.9	484651.7	3752134	7.5	78.3
484751.7	3752134	0.27391	55.8	0.07402	24.1	484751.7	3752134	7.8	87.7
484851.7	3752134	0.31273	63.7	0.08063	26.2	484851.7	3752134	8.2	98.2
484951.7	3752134	0.35645	72.6	0.09082	29.5	484951.7	3752134	8.6	110.8
485051.7	3752134	0.40485	82.5	0.10197	33.2	485051.7	3752134	8.9	124.6
485151.7	3752134	0.4687	95.5	0.11474	37.3	485151.7	3752134	9.3	142.1
485251.7	3752134	0.54385	110.8	0.12939	42.1	485251.7	3752134	9.8	162.7
485351.7	3752134	0.61782	125.9	0.14414	46.9	485351.7	3752134	10.4	183.1
485451.7	3752134	0.68847	140.3	0.16029	52.1	485451.7	3752134	11.2	203.6
484551.7	3752234	0.18556	37.8	0.05737	18.7	484551.7	3752234	7.6	64.1
484651.7	3752234	0.21345	43.5	0.06288	20.5	484651.7	3752234	7.7	71.6
484751.7	3752234	0.24922	50.8	0.0695	22.6	484751.7	3752234	8.0	81.4
484851.7	3752234	0.28544	58.1	0.07566	24.6	484851.7	3752234	8.3	91.1
484951.7	3752234	0.32906	67.0	0.08274	26.9	484951.7	3752234	8.7	102.7
485051.7	3752234	0.36881	75.1	0.09117	29.7	485051.7	3752234	9.0	113.8
485151.7	3752234	0.44269	90.2	0.10618	34.5	485151.7	3752234	9.7	134.4
485251.7	3752234	0.50999	103.9	0.12003	39.1	485251.7	3752234	10.1	153.0
485351.7	3752234	0.60508	123.3	0.1372	44.6	485351.7	3752234	10.7	178.6
485451.7	3752234	0.70864	144.4	0.15582	50.7	485451.7	3752234	11.5	206.5
484551.7	3752334	0.17993	36.7	0.0575	18.7	484551.7	3752334	8.4	63.7
484651.7	3752334	0.19624	40.0	0.06134	20.0	484651.7	3752334	8.4	68.4
484751.7	3752334	0.2169	44.2	0.06497	21.1	484751.7	3752334	8.4	73.8
484851.7	3752334	0.25054	51.0	0.07011	22.8	484851.7	3752334	8.5	82.3
484951.7	3752334	0.29413	59.9	0.0778	25.3	484951.7	3752334	8.9	94.1
485051.7	3752334	0.34382	70.0	0.08589	27.9	485051.7	3752334	9.3	107.3
485151.7	3752334	0.40804	83.1	0.09612	31.3	485151.7	3752334	9.9	124.3
485251.7	3752334	0.4787	97.5	0.11003	35.8	485251.7	3752334	10.5	143.8
485351.7	3752334	0.56826	115.8	0.12713	41.4	485351.7	3752334	11.2	168.3
485451.7	3752334	0.67113	136.7	0.14612	47.5	485451.7	3752334	11.9	196.2
484551.7	3752434	0.17592	35.8	0.05689	18.5	484551.7	3752434	9.0	63.4
484651.7	3752434	0.19441	39.6	0.06133	20.0	484651.7	3752434	9.2	68.8
484751.7	3752434	0.2119	43.2	0.0655	21.3	484751.7	3752434	9.2	73.7
484851.7	3752434	0.23274	47.4	0.07021	22.8	484851.7	3752434	9.3	79.6
484951.7	3752434	0.25406	51.8	0.07489	24.4	484951.7	3752434	9.3	85.4
485051.7	3752434	0.28999	59.1	0.07927	25.8	485051.7	3752434	9.4	94.3
485151.7	3752434	0.35434	72.2	0.08827	28.7	485151.7	3752434	10.1	111.1
485251.7	3752434	0.41732	85.0	0.09808	31.9	485251.7	3752434	10.7	127.6
485351.7	3752434	0.51248	104.4	0.11454	37.3	485351.7	3752434	11.6	153.3
485451.7	3752434	0.62118	126.5	0.13343	43.4	485451.7	3752434	12.5	182.5
484551.7	3752534	0.17187	35.0	0.0585	19.0	484551.7	3752534	9.6	63.7
484651.7	3752534	0.18283	37.2	0.06031	19.6	484651.7	3752534	9.7	66.6
484751.7	3752534	0.19894	40.5	0.06303	20.5	484751.7	3752534	9.8	70.8
484851.7	3752534	0.22418	45.7	0.06877	22.4	484851.7	3752534	10.0	78.1
484951.7	3752534	0.24751	50.4	0.07409	24.1	484951.7	3752534	10.1	84.7
485051.7	3752534	0.27707	56.4	0.08031	26.1	485051.7	3752534	10.3	92.8
485151.7	3752534	0.31341	63.8	0.08736	28.4	485151.7	3752534	10.4	102.7

485251.7	3752534	0.34962	71.2	0.09418	30.6	485251.7	3752534	11.0	112.8
485351.7	3752534	0.42951	87.5	0.10244	33.3	485351.7	3752534	11.9	132.7
485451.7	3752534	0.53676	109.3	0.1176	38.3	485451.7	3752534	13.0	160.6
484551.7	3752634	0.16998	34.6	0.06431	20.9	484551.7	3752634	10.1	65.7
484651.7	3752634	0.17996	36.7	0.067	21.8	484651.7	3752634	10.2	68.7
484751.7	3752634	0.19278	39.3	0.07024	22.9	484751.7	3752634	10.5	72.6
484851.7	3752634	0.20844	42.5	0.07337	23.9	484851.7	3752634	10.7	77.0
484951.7	3752634	0.23244	47.4	0.07655	24.9	484951.7	3752634	10.9	83.1
485051.7	3752634	0.26626	54.2	0.08055	26.2	485051.7	3752634	11.3	91.7
485151.7	3752634	0.30276	61.7	0.08525	27.7	485151.7	3752634	11.5	100.9
485251.7	3752634	0.34605	70.5	0.09319	30.3	485251.7	3752634	11.6	112.4
485351.7	3752634	0.4142	84.4	0.1018	33.1	485351.7	3752634	12.1	129.6
485451.7	3752634	0.50925	103.7	0.1126	36.6	485451.7	3752634	13.4	153.8
484551.7	3752734	0.17391	35.4	0.0652	21.2	484551.7	3752734	10.4	67.0
484651.7	3752734	0.1936	39.4	0.06878	22.4	484651.7	3752734	10.6	72.4
484751.7	3752734	0.21632	44.1	0.0724	23.6	484751.7	3752734	10.7	78.4
484851.7	3752734	0.24481	49.9	0.07645	24.9	484851.7	3752734	11.0	85.7
484951.7	3752734	0.27998	57.0	0.08082	26.3	484951.7	3752734	11.3	94.6
485051.7	3752734	0.32543	66.3	0.08579	27.9	485051.7	3752734	11.8	106.0
485151.7	3752734	0.37806	77.0	0.09052	29.5	485151.7	3752734	12.1	118.6
485251.7	3752734	0.44799	91.3	0.09629	31.3	485251.7	3752734	12.6	135.2
485351.7	3752734	0.5289	107.7	0.10214	33.2	485351.7	3752734	12.8	153.8
485451.7	3752734	0.62556	127.4	0.10886	35.4	485451.7	3752734	13.6	176.5
484551.7	3752834	0.21134	43.1	0.06132	20.0	484551.7	3752834	10.6	73.6
484651.7	3752834	0.23584	48.0	0.06493	21.1	484651.7	3752834	10.8	79.9
484751.7	3752834	0.26578	54.1	0.06895	22.4	484751.7	3752834	11.0	87.5
484851.7	3752834	0.30176	61.5	0.07327	23.8	484851.7	3752834	11.2	96.5
484951.7	3752834	0.34548	70.4	0.07801	25.4	484951.7	3752834	11.5	107.2
485051.7	3752834	0.39799	81.1	0.08319	27.1	485051.7	3752834	11.9	120.0
485151.7	3752834	0.46136	94.0	0.08895	28.9	485151.7	3752834	12.4	135.4
485251.7	3752834	0.53688	109.4	0.09539	31.0	485251.7	3752834	13.2	153.6
485351.7	3752834	0.61826	126.0	0.10211	33.2	485351.7	3752834	13.8	173.0
485451.7	3752834	0.7143	145.5	0.11	35.8	485451.7	3752834	14.1	195.4
484551.7	3752934	0.24616	50.1	0.05346	17.4	484551.7	3752934	10.7	78.3
484651.7	3752934	0.27562	56.1	0.05645	18.4	484651.7	3752934	10.9	85.4
484751.7	3752934	0.31095	63.3	0.06009	19.6	484751.7	3752934	11.1	94.0
484851.7	3752934	0.35205	71.7	0.06406	20.8	484851.7	3752934	11.2	103.7
484951.7	3752934	0.40117	81.7	0.06847	22.3	484951.7	3752934	11.4	115.4
485051.7	3752934	0.45768	93.2	0.07337	23.9	485051.7	3752934	11.6	128.7
485151.7	3752934	0.52231	106.4	0.07881	25.6	485151.7	3752934	12.0	144.0
485251.7	3752934	0.59471	121.2	0.08621	28.0	485251.7	3752934	12.6	161.8
485351.7	3752934	0.67304	137.1	0.09552	31.1	485351.7	3752934	13.6	181.8
485451.7	3752934	0.75661	154.1	0.10635	34.6	485451.7	3752934	14.7	203.4
484551.7	3753034	0.27731	56.5	0.05871	19.1	484551.7	3753034	10.9	86.5
484651.7	3753034	0.3101	63.2	0.06326	20.6	484651.7	3753034	11.1	94.9
484751.7	3753034	0.34762	70.8	0.07069	23.0	484751.7	3753034	11.2	105.0
484851.7	3753034	0.391	79.7	0.07412	24.1	484851.7	3753034	11.3	115.1
484951.7	3753034	0.43941	89.5	0.08079	26.3	484951.7	3753034	11.3	127.1
485051.7	3753034	0.49359	100.6	0.08853	28.8	485051.7	3753034	11.3	140.7
485151.7	3753034	0.55212	112.5	0.09739	31.7	485151.7	3753034	11.2	155.4
485251.7	3753034	0.61629	125.5	0.1079	35.1	485251.7	3753034	11.1	171.7
485351.7	3753034	0.68678	139.9	0.12027	39.1	485351.7	3753034	10.7	189.7
485451.7	3753034	0.76953	156.8	0.13502	43.9	485451.7	3753034	9.1	209.8
484551.7	3753134	0.30701	62.5	0.07522	24.5	484551.7	3753134	10.9	97.9
484651.7	3753134	0.34092	69.5	0.08023	26.1	484651.7	3753134	11.1	106.7
484751.7	3753134	0.37181	75.7	0.08471	27.6	484751.7	3753134	11.4	114.7
484851.7	3753134	0.41273	84.1	0.08646	28.1	484851.7	3753134	11.6	123.8
484951.7	3753134	0.46361	94.4	0.09873	32.1	484951.7	3753134	11.5	138.0
485051.7	3753134	0.5103	104.0	0.1069	34.8	485051.7	3753134	11.3	150.1
485151.7	3753134	0.55936	114.0	0.11798	38.4	485151.7	3753134	11.0	163.4
485251.7	3753134	0.60857	124.0	0.12712	41.4	485251.7	3753134	10.4	175.7
485351.7	3753134	0.66909	136.3	0.14234	46.3	485351.7	3753134	8.7	191.3
485451.7	3753134	0.73448	149.6	0.16072	52.3	485451.7	3753134	0.8	202.8
484551.7	3753234	0.3216	65.5	0.08338	27.1	484551.7	3753234	10.8	103.5
484651.7	3753234	0.35333	72.0	0.08798	28.6	484651.7	3753234	11.2	111.8
484751.7	3753234	0.38762	79.0	0.09403	30.6	484751.7	3753234	11.5	121.0
484851.7	3753234	0.42364	86.3	0.10068	32.8	484851.7	3753234	11.7	130.8
484951.7	3753234	0.46114	93.9	0.1081	35.2	484951.7	3753234	11.9	141.0
485051.7	3753234	0.49989	101.8	0.11819	38.5	485051.7	3753234	11.9	152.2
485151.7	3753234	0.54037	110.1	0.13048	42.5	485151.7	3753234	11.6	164.1
485251.7	3753234	0.57747	117.6	0.14508	47.2	485251.7	3753234	10.8	175.6
485351.7	3753234	0.62385	127.1	0.16288	53.0	485351.7	3753234	8.7	188.7
485451.7	3753234	0.65531	133.5	0.18491	60.2	485451.7	3753234	0.9	194.6
484551.7	3753334	0.3269	66.6	0.08656	28.2	484551.7	3753334	10.7	105.4
484651.7	3753334	0.35525	72.4	0.09394	30.6	484651.7	3753334	11.1	114.0
484751.7	3753334	0.38512	78.5	0.10095	32.8	484751.7	3753334	11.4	122.7
484851.7	3753334	0.41513	84.6	0.1091	35.5	484851.7	3753334	11.7	131.8
484951.7	3753334	0.44503	90.7	0.11734	38.2	484951.7	3753334	12.0	140.8
485051.7	3753334	0.47337	96.4	0.12628	41.1	485051.7	3753334	12.2	149.7
485151.7	3753334	0.50244	102.4	0.14013	45.6	485151.7	3753334	12.1	160.1
485251.7	3753334	0.52708	107.4	0.15738	51.2	485251.7	3753334	11.7	170.3
485351.7	3753334	0.54299	110.6	0.17774	57.8	485351.7	3753334	9.9	178.4
485451.7	3753334	0.54729	111.5	0.20283	66.0	485451.7	3753334	1.9	179.4
484551.7	3753434	0.32582	66.4	0.09529	31.0	484551.7	3753434	10.5	107.9
484651.7	3753434	0.34953	71.2	0.10225	33.3	484651.7	3753434	10.9	115.4
484751.7	3753434	0.37215	75.8	0.10879	35.4	484751.7	3753434	11.3	122.5
484851.7	3753434	0.39427	80.3	0.11436	37.2	484851.7	3753434	11.7	129.2
484951.7	3753434	0.41235	84.0	0.12004	39.1	484951.7	3753434	12.0	135.1
485051.7	3753434	0.42962	87.5	0.13156	42.8	485051.7	3753434	12.2	142.5
485151.7	3753434	0.44319	90.3	0.14824	48.2	485151.7	3753434	12.2	150.8
485251.7	3753434	0.44796	91.3	0.16763	54.5	485251.7	3753434	12.0	157.7
485351.7	3753434	0.47265	96.3	0.18942	61.6	485351.7	3753434	10.6	168.5
485451.7	3753434	0.52863	107.7	0.21475	69.9	485451.7	3753434	3.1	180.6

484551.7	3753534	0.317	64.6	0.09735	31.7	484551.7	3753534	10.9	107.2
484651.7	3753534	0.33539	68.3	0.10008	32.6	484651.7	3753534	11.2	112.1
484751.7	3753534	0.35042	71.4	0.10321	33.6	484751.7	3753534	11.5	116.5
484851.7	3753534	0.35816	73.0	0.11064	36.0	484851.7	3753534	11.9	120.9
484951.7	3753534	0.3668	74.7	0.12329	40.1	484951.7	3753534	12.3	127.2
485051.7	3753534	0.37271	75.9	0.13889	45.2	485051.7	3753534	12.4	133.6
485151.7	3753534	0.3694	75.3	0.15571	50.7	485151.7	3753534	12.5	138.4
485251.7	3753534	0.41013	83.6	0.17519	57.0	485251.7	3753534	12.1	152.7
485351.7	3753534	0.451	91.9	0.19542	63.6	485351.7	3753534	10.8	166.2
485451.7	3753534	0.47527	96.8	0.21697	70.6	485451.7	3753534	3.5	170.9
484551.7	3753634	0.29885	60.9	0.08842	28.8	484551.7	3753634	11.3	101.0
484651.7	3753634	0.3044	62.0	0.09401	30.6	484651.7	3753634	11.7	104.3
484751.7	3753634	0.3174	64.7	0.1067	34.7	484751.7	3753634	11.9	111.3
484851.7	3753634	0.31812	64.8	0.11721	38.1	484851.7	3753634	12.4	115.4
484951.7	3753634	0.31621	64.4	0.13011	42.3	484951.7	3753634	12.8	119.6
485051.7	3753634	0.31437	64.0	0.14461	47.0	485051.7	3753634	13.1	124.2
485151.7	3753634	0.35233	71.8	0.16026	52.1	485151.7	3753634	13.1	137.1
485251.7	3753634	0.38775	79.0	0.17702	57.6	485251.7	3753634	12.5	149.1
485351.7	3753634	0.41366	84.3	0.19497	63.4	485351.7	3753634	11.3	159.0
485451.7	3753634	0.42192	86.0	0.21305	69.3	485451.7	3753634	4.8	160.1
484551.7	3753734	0.27155	55.3	0.0925	30.1	484551.7	3753734	11.8	97.2
484651.7	3753734	0.27382	55.8	0.1004	32.7	484651.7	3753734	12.2	100.6
484751.7	3753734	0.27495	56.0	0.11034	35.9	484751.7	3753734	12.7	104.6
484851.7	3753734	0.27014	55.0	0.12161	39.6	484851.7	3753734	13.1	107.7
484951.7	3753734	0.27653	56.3	0.13468	43.8	484951.7	3753734	13.4	113.6
485051.7	3753734	0.31537	64.2	0.14902	48.5	485051.7	3753734	13.5	126.2
485151.7	3753734	0.33097	67.4	0.15944	51.9	485151.7	3753734	14.2	133.5
485251.7	3753734	0.36434	74.2	0.17593	57.2	485251.7	3753734	13.1	144.6
485351.7	3753734	0.37492	76.4	0.19001	61.8	485351.7	3753734	11.7	149.9
485451.7	3753734	0.36786	74.9	0.20132	65.5	485451.7	3753734	5.3	145.7
484551.7	3753834	0.24087	49.1	0.09969	32.4	484551.7	3753834	12.2	93.7
484651.7	3753834	0.23927	48.7	0.10422	33.9	484651.7	3753834	12.7	95.3
484751.7	3753834	0.23575	48.0	0.11537	37.5	484751.7	3753834	13.1	98.7
484851.7	3753834	0.23817	48.5	0.12424	40.4	484851.7	3753834	13.5	102.5
484951.7	3753834	0.27717	56.5	0.13729	44.7	484951.7	3753834	13.9	115.1
485051.7	3753834	0.30515	62.2	0.1486	48.3	485051.7	3753834	14.2	124.7
485151.7	3753834	0.32356	65.9	0.15933	51.8	485151.7	3753834	14.2	132.0
485251.7	3753834	0.33563	68.4	0.16994	55.3	485251.7	3753834	13.6	137.3
485351.7	3753834	0.33983	69.2	0.17754	57.8	485351.7	3753834	11.8	138.7
485451.7	3753834	0.32929	67.1	0.17945	58.4	485451.7	3753834	5.1	130.5
484551.7	3753934	0.20636	42.0	0.09776	31.8	484551.7	3753934	12.9	86.8
484651.7	3753934	0.20471	41.7	0.10912	35.5	484651.7	3753934	13.0	90.2
484751.7	3753934	0.21835	44.5	0.11777	38.3	484751.7	3753934	13.5	96.3
484851.7	3753934	0.24771	50.5	0.12725	41.4	484851.7	3753934	13.9	105.8
484951.7	3753934	0.27139	55.3	0.13589	44.2	484951.7	3753934	14.4	113.9
485051.7	3753934	0.29924	61.0	0.14582	47.4	485051.7	3753934	14.6	123.0
485151.7	3753934	0.31089	63.3	0.15254	49.6	485151.7	3753934	14.5	127.4
485251.7	3753934	0.29475	60.0	0.15378	50.0	485251.7	3753934	14.2	124.3
485351.7	3753934	0.29059	59.2	0.15193	49.4	485351.7	3753934	12.8	121.4
485451.7	3753934	0.29477	60.0	0.14534	47.3	485451.7	3753934	6.8	114.1
484551.7	3754034	0.17398	35.4	0.10153	33.0	484551.7	3754034	13.3	81.7
484651.7	3754034	0.20494	41.7	0.11205	36.5	484651.7	3754034	13.2	91.5
484751.7	3754034	0.23074	47.0	0.11915	38.8	484751.7	3754034	13.8	99.5
484851.7	3754034	0.25616	52.2	0.12621	41.1	484851.7	3754034	14.2	107.4
484951.7	3754034	0.27306	55.6	0.1316	42.8	484951.7	3754034	14.7	113.1
485051.7	3754034	0.27812	56.7	0.13437	43.7	485051.7	3754034	15.1	115.5
485151.7	3754034	0.28325	57.7	0.13535	44.0	485151.7	3754034	14.7	116.4
485251.7	3754034	0.25591	52.1	0.12711	41.4	485251.7	3754034	15.2	108.7
485351.7	3754034	0.26765	54.5	0.12461	40.5	485351.7	3754034	13.1	108.1
485451.7	3754034	0.26303	53.6	0.12432	40.4	485451.7	3754034	6.4	100.5
484551.7	3754134	0.17948	36.6	0.10252	33.4	484551.7	3754134	13.3	83.2
484651.7	3754134	0.21107	43.0	0.10959	35.7	484651.7	3754134	13.6	92.2
484751.7	3754134	0.231	47.1	0.11388	37.1	484751.7	3754134	14.2	98.3
484851.7	3754134	0.24657	50.2	0.11709	38.1	484851.7	3754134	14.7	103.0
484951.7	3754134	0.25523	52.0	0.11822	38.5	484951.7	3754134	15.1	105.5
485051.7	3754134	0.25483	51.9	0.11629	37.8	485051.7	3754134	15.4	105.1
485151.7	3754134	0.23899	48.7	0.10938	35.6	485151.7	3754134	15.8	100.1
485251.7	3754134	0.23408	47.7	0.1102	35.9	485251.7	3754134	15.8	99.4
485351.7	3754134	0.23838	48.6	0.10925	35.5	485351.7	3754134	14.4	98.5
485451.7	3754134	0.22626	46.1	0.12792	41.6	485451.7	3754134	8.0	95.7
484551.7	3754234	0.19444	39.6	0.10002	32.5	484551.7	3754234	13.0	85.2
484651.7	3754234	0.20936	42.7	0.10195	33.2	484651.7	3754234	13.7	89.5
484751.7	3754234	0.22343	45.5	0.10347	33.7	484751.7	3754234	14.4	93.5
484851.7	3754234	0.22828	46.5	0.10239	33.3	484851.7	3754234	15.0	94.9
484951.7	3754234	0.22495	45.8	0.09858	32.1	484951.7	3754234	15.7	93.6
485051.7	3754234	0.21389	43.6	0.09789	31.8	485051.7	3754234	16.5	91.9
485151.7	3754234	0.21778	44.4	0.09937	32.3	485151.7	3754234	16.2	92.9
485251.7	3754234	0.21472	43.7	0.09575	31.2	485251.7	3754234	16.7	91.6
485351.7	3754234	0.20942	42.7	0.11512	37.5	485351.7	3754234	16.4	96.5
485451.7	3754234	0.20023	40.8	0.13806	44.9	485451.7	3754234	9.5	95.3
484551.7	3754334	0.19592	39.9	0.09201	29.9	484551.7	3754334	12.7	82.6
484651.7	3754334	0.20698	42.2	0.09187	29.9	484651.7	3754334	13.4	85.4
484751.7	3754334	0.20774	42.3	0.08908	29.0	484751.7	3754334	14.2	85.5
484851.7	3754334	0.2025	41.3	0.08544	27.8	484851.7	3754334	15.1	84.1
484951.7	3754334	0.19809	40.4	0.08839	28.8	484951.7	3754334	15.7	84.8
485051.7	3754334	0.19473	39.7	0.08818	28.7	485051.7	3754334	16.4	84.8
485151.7	3754334	0.19699	40.1	0.0849	27.6	485151.7	3754334	16.7	84.5
485251.7	3754334	0.18849	38.4	0.09949	32.4	485251.7	3754334	18.0	88.7
485351.7	3754334	0.18507	37.7	0.12249	39.9	485351.7	3754334	18.5	96.1
485451.7	3754334	0.17489	35.6	0.14157	46.1	485451.7	3754334	18.4	100.1
484551.7	3754434	0.18718	38.1	0.08072	26.3	484551.7	3754434	12.4	76.8
484651.7	3754434	0.19209	39.1	0.07813	25.4	484651.7	3754434	13.0	77.5
484751.7	3754434	0.19176	39.1	0.07853	25.5	484751.7	3754434	13.6	78.2

484851.7	3754434	0.18668	38.0	0.08018	26.1	484851.7	3754434	14.3	78.4
484951.7	3754434	0.17137	34.9	0.07787	25.3	484951.7	3754434	15.7	75.9
485051.7	3754434	0.17515	35.7	0.07452	24.2	485051.7	3754434	16.9	76.8
485151.7	3754434	0.173	35.2	0.08819	28.7	485151.7	3754434	18.3	82.3
485251.7	3754434	0.17007	34.6	0.10789	35.1	485251.7	3754434	20.1	89.8
485351.7	3754434	0.16552	33.7	0.1286	41.8	485351.7	3754434	21.5	97.1
485451.7	3754434	0.16816	34.3	0.14208	46.2	485451.7	3754434	22.1	102.6
484551.7	3754534	0.17528	35.7	0.06857	22.3	484551.7	3754534	12.5	70.5
484651.7	3754534	0.16963	34.6	0.07069	23.0	484651.7	3754534	13.4	70.9
484751.7	3754534	0.17502	35.7	0.07285	23.7	484751.7	3754534	14.1	73.4
484851.7	3754534	0.16517	33.6	0.07122	23.2	484851.7	3754534	15.2	72.0
484951.7	3754534	0.16063	32.7	0.0668	21.7	484951.7	3754534	16.6	71.0
485051.7	3754534	0.15454	31.5	0.07523	24.5	485051.7	3754534	18.2	74.1
485151.7	3754534	0.15736	32.1	0.09608	31.3	485151.7	3754534	19.7	83.0
485251.7	3754534	0.15217	31.0	0.11286	36.7	485251.7	3754534	21.6	89.3
485351.7	3754534	0.15129	30.8	0.12824	41.7	485351.7	3754534	23.1	95.7
485451.7	3754534	0.16653	33.9	0.1383	45.0	485451.7	3754534	22.8	101.7
484551.7	3754634	0.16224	33.1	0.06526	21.2	484551.7	3754634	13.2	67.5
484651.7	3754634	0.15634	31.8	0.06554	21.3	484651.7	3754634	14.0	67.2
484751.7	3754634	0.15424	31.4	0.06459	21.0	484751.7	3754634	14.8	67.3
484851.7	3754634	0.14524	29.6	0.05983	19.5	484851.7	3754634	16.0	65.0
484951.7	3754634	0.14177	28.9	0.06687	21.8	484951.7	3754634	17.4	68.0
485051.7	3754634	0.1465	29.8	0.08655	28.2	485051.7	3754634	18.7	76.8
485151.7	3754634	0.14501	29.5	0.10405	33.9	485151.7	3754634	20.3	83.7
485251.7	3754634	0.14069	28.7	0.1192	38.8	485251.7	3754634	21.7	89.1
485351.7	3754634	0.14978	30.5	0.12263	39.9	485351.7	3754634	23.4	93.8
485451.7	3754634	0.15486	31.5	0.1166	37.9	485451.7	3754634	23.7	93.2
485549.5	3750935	0.18113	36.9	0.09723	31.6	485549.5	3750935	6.2	74.7
485649.5	3750935	0.18716	38.1	0.09288	30.2	485649.5	3750935	6.3	74.7
485749.5	3750935	0.20222	41.2	0.09634	31.3	485749.5	3750935	6.1	78.7
485849.5	3750935	0.1923	39.2	0.08672	28.2	485849.5	3750935	6.1	73.5
485549.5	3751035	0.20385	41.5	0.10297	33.5	485549.5	3751035	6.4	81.4
485649.5	3751035	0.18921	38.5	0.09961	32.4	485649.5	3751035	6.6	77.6
485749.5	3751035	0.21179	43.1	0.10127	32.9	485749.5	3751035	6.4	82.5
485849.5	3751035	0.2094	42.7	0.09901	32.2	485849.5	3751035	6.4	81.3
485549.5	3751135	0.22412	45.7	0.10091	32.8	485549.5	3751135	6.5	85.0
485649.5	3751135	0.20776	42.3	0.1089	35.4	485649.5	3751135	7.0	84.7
485749.5	3751135	0.21946	44.7	0.1013	33.0	485749.5	3751135	6.8	84.4
485849.5	3751135	0.22573	46.0	0.10801	35.1	485849.5	3751135	6.7	87.9
485549.5	3751235	0.23959	48.8	0.09069	29.5	485549.5	3751235	6.6	84.9
485649.5	3751235	0.23539	48.0	0.11013	35.8	485649.5	3751235	7.3	91.0
485749.5	3751235	0.22484	45.8	0.11443	37.2	485749.5	3751235	7.2	90.2
485849.5	3751235	0.24138	49.2	0.11211	36.5	485849.5	3751235	7.2	92.8
485549.5	3751335	0.27521	56.1	0.07428	24.2	485549.5	3751335	6.6	86.9
485649.5	3751335	0.26075	53.1	0.1023	33.3	485649.5	3751335	7.6	94.0
485749.5	3751335	0.24292	49.5	0.11987	39.0	485749.5	3751335	7.7	96.2
485849.5	3751335	0.25601	52.2	0.11911	38.8	485849.5	3751335	7.8	98.7
485549.5	3751435	0.30899	62.9	0.06563	21.4	485549.5	3751435	6.8	91.1
485649.5	3751435	0.28116	57.3	0.0866	28.2	485649.5	3751435	8.1	93.6
485749.5	3751435	0.27829	56.7	0.1151	37.4	485749.5	3751435	8.4	102.6
485849.5	3751435	0.26926	54.9	0.12941	42.1	485849.5	3751435	8.5	105.5
485549.5	3751535	0.32918	67.1	0.06771	22.0	485549.5	3751535	8.7	97.8
485649.5	3751535	0.32775	66.8	0.07044	22.9	485649.5	3751535	9.4	99.1
485749.5	3751535	0.31165	63.5	0.10046	32.7	485749.5	3751535	9.7	105.9
485849.5	3751535	0.28929	58.9	0.12874	41.9	485849.5	3751535	9.4	110.2
485549.5	3751635	0.38458	78.3	0.07424	24.2	485549.5	3751635	11.6	114.1
485649.5	3751635	0.3649	74.3	0.07299	23.7	485649.5	3751635	11.7	109.8
485749.5	3751635	0.33963	69.2	0.0804	26.2	485749.5	3751635	11.9	107.3
485849.5	3751635	0.33625	68.5	0.11574	37.7	485849.5	3751635	10.3	116.5
485549.5	3751735	0.48217	98.2	0.10759	35.0	485549.5	3751735	12.5	145.7
485649.5	3751735	0.50048	102.0	0.10079	32.8	485649.5	3751735	14.1	148.8
485749.5	3751735	0.39673	80.8	0.07951	25.9	485749.5	3751735	14.7	121.4
485849.5	3751735	0.38227	77.9	0.09426	30.7	485849.5	3751735	11.9	120.5
485549.5	3751835	0.53043	108.1	0.1374	44.7	485549.5	3751835	12.6	165.4
485649.5	3751835	0.54384	110.8	0.11585	37.7	485649.5	3751835	14.2	162.7
485749.5	3751835	0.49202	100.2	0.0993	32.3	485749.5	3751835	16.8	149.4
485849.5	3751835	0.42545	86.7	0.08672	28.2	485849.5	3751835	16.3	131.2
485549.5	3751935	0.46557	94.8	0.16232	52.8	485549.5	3751935	12.6	160.3
485649.5	3751935	0.66599	135.7	0.16675	54.3	485649.5	3751935	15.0	205.0
485749.5	3751935	0.71125	144.9	0.14653	47.7	485749.5	3751935	18.5	211.1
485849.5	3751935	0.5492	111.9	0.11493	37.4	485849.5	3751935	20.4	169.7
485549.5	3752035	0.59993	122.2	0.18033	58.7	485549.5	3752035	12.7	193.6
485649.5	3752035	0.59161	120.5	0.19276	62.7	485649.5	3752035	15.5	198.7
485749.5	3752035	0.80177	163.3	0.19315	62.8	485749.5	3752035	19.1	245.3
485849.5	3752035	0.71901	146.5	0.15535	50.5	485849.5	3752035	23.9	220.9
485549.5	3752135	0.76887	156.6	0.18756	61.0	485549.5	3752135	13.2	230.9
485649.5	3752135	0.80555	164.1	0.20699	67.3	485649.5	3752135	15.8	247.3
485749.5	3752135	0.82265	167.6	0.22359	72.7	485749.5	3752135	19.7	260.0
485849.5	3752135	1.01642	207.1	0.22938	74.6	485849.5	3752135	27.5	309.1
485549.5	3752235	0.80292	163.6	0.17449	56.8	485549.5	3752235	12.8	233.1
485649.5	3752235	0.91905	187.2	0.2064	67.2	485649.5	3752235	15.4	269.7
485749.5	3752235	1.05208	214.3	0.2334	75.9	485749.5	3752235	18.9	309.2
485849.5	3752235	0.96405	196.4	0.24694	80.3	485849.5	3752235	30.7	307.4
485549.5	3752335	0.79757	162.5	0.16785	54.6	485549.5	3752335	12.9	230.0
485649.5	3752335	0.92627	188.7	0.19125	62.2	485649.5	3752335	14.9	265.8
485749.5	3752335	1.08954	222.0	0.22074	71.8	485749.5	3752335	18.2	312.0
485849.5	3752335	1.17909	240.2	0.25827	84.0	485849.5	3752335	31.5	355.7
485549.5	3752435	0.74028	150.8	0.15472	50.3	485549.5	3752435	13.6	214.7
485649.5	3752435	0.8827	179.8	0.17977	58.5	485649.5	3752435	15.1	253.4
485749.5	3752435	1.07622	219.2	0.20994	68.3	485749.5	3752435	18.3	305.8
485849.5	3752435	1.40551	286.3	0.24488	79.7	485849.5	3752435	26.3	392.3
485549.5	3752535	0.6734	137.2	0.13792	44.9	485549.5	3752535	14.2	196.3
485649.5	3752535	0.83573	170.3	0.16213	52.7	485649.5	3752535	15.7	238.8

485749.5	3752535	1.04117	212.1	0.19186	62.4	485749.5	3752535	18.7	293.3
485849.5	3752535	1.3682	278.7	0.22865	74.4	485849.5	3752535	25.4	378.5
485549.5	3752635	0.62295	126.9	0.12417	40.4	485549.5	3752635	14.8	182.1
485649.5	3752635	0.75974	154.8	0.14008	45.6	485649.5	3752635	16.4	216.8
485749.5	3752635	1.00626	205.0	0.168	54.7	485749.5	3752635	19.7	279.4
485849.5	3752635	1.31267	267.4	0.20258	65.9	485849.5	3752635	26.8	360.1
485549.5	3752735	0.74313	151.4	0.12059	39.2	485549.5	3752735	15.4	206.0
485649.5	3752735	0.86887	177.0	0.135	43.9	485649.5	3752735	17.0	237.9
485749.5	3752735	1.04808	213.5	0.15207	49.5	485749.5	3752735	20.3	283.3
485849.5	3752735	1.33688	272.3	0.17147	55.8	485849.5	3752735	27.4	355.5
485549.5	3752835	0.82182	167.4	0.11865	38.6	485549.5	3752835	15.7	221.7
485649.5	3752835	0.95766	195.1	0.12803	41.7	485649.5	3752835	17.4	254.1
485749.5	3752835	1.15546	235.4	0.14277	46.4	485749.5	3752835	21.0	302.8
485849.5	3752835	1.46224	297.9	0.16393	53.3	485849.5	3752835	28.3	379.5
485549.5	3752935	0.8675	176.7	0.11983	39.0	485549.5	3752935	15.6	231.3
485649.5	3752935	1.00615	205.0	0.1362	44.3	485649.5	3752935	17.5	266.8
485749.5	3752935	1.18823	242.1	0.15616	50.8	485749.5	3752935	21.2	314.1
485849.5	3752935	1.48587	302.7	0.18251	59.4	485849.5	3752935	29.1	391.2
485549.5	3753035	0.8668	176.6	0.15279	49.7	485549.5	3753035	16.6	242.9
485649.5	3753035	0.989	201.5	0.17499	56.9	485649.5	3753035	18.5	276.9
485749.5	3753035	1.13059	230.3	0.20323	66.1	485749.5	3753035	22.5	318.9
485849.5	3753035	1.27906	260.6	0.23963	78.0	485849.5	3753035	30.3	368.8
485549.5	3753135	0.80214	163.4	0.18309	59.6	485549.5	3753135	17.1	240.1
485649.5	3753135	0.86163	175.5	0.21139	68.8	485649.5	3753135	19.5	263.8
485749.5	3753135	0.90044	183.4	0.24715	80.4	485749.5	3753135	23.7	287.5
485849.5	3753135	0.99001	201.7	0.29279	95.3	485849.5	3753135	31.2	328.1
485549.5	3753235	0.67896	138.3	0.20925	68.1	485549.5	3753235	17.7	224.1
485649.5	3753235	0.73351	149.4	0.24553	79.9	485649.5	3753235	20.1	249.4
485749.5	3753235	0.79255	161.5	0.28258	91.9	485749.5	3753235	24.1	277.4
485849.5	3753235	0.79747	162.5	0.33125	107.8	485849.5	3753235	31.3	301.5
485549.5	3753335	0.61969	126.2	0.23211	75.5	485549.5	3753335	18.9	220.7
485649.5	3753335	0.65549	133.5	0.26264	85.4	485649.5	3753335	22.0	241.0
485749.5	3753335	0.66854	136.2	0.3011	98.0	485749.5	3753335	26.4	260.5
485849.5	3753335	0.65478	133.4	0.35109	114.2	485849.5	3753335	33.2	280.8
485549.5	3753435	0.56296	114.7	0.24232	78.8	485549.5	3753435	23.3	216.8
485649.5	3753435	0.56423	114.9	0.27236	88.6	485649.5	3753435	27.5	231.1
485749.5	3753435	0.55536	113.1	0.29846	97.1	485749.5	3753435	31.0	241.3
485849.5	3753435	0.54418	110.9	0.32868	106.9	485849.5	3753435	35.3	253.1
485619.4	3753970	0.26771	54.5	0.15938	51.9	485619.4	3753970	31.7	138.1
485713	3753962	0.25321	51.6	0.18836	61.3	485713	3753962	34.1	147.0
487190.9	3754410	0.3084	62.8	0.2113	68.7	487190.9	3754410	77.4	208.9
487194.8	3754289	0.30909	63.0	0.23793	77.4	487194.8	3754289	57.7	198.1
487268.8	3754091	0.32116	65.4	0.25084	81.6	487268.8	3754091	44.6	191.6
487483.3	3754102	0.29244	59.6	0.23488	76.4	487483.3	3754102	37.0	173.0
									806.8

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** Lakes Environmental AERMOD MPI
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 8.0.7
** Lakes Environmental Software Inc.
** Date: 12/19/2012
** File: C:\MBA\Highland Fairview REV3 - All Sources\AERMOD-REV3\LST-AERMOD-2017\LST_CO_REV3_NR_REV1\LST_CO_REV3_NR_REV1.ADI
**
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** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE World Logistics Center -Project-Related  LST Assessment 2017
   TITLETWO CO (No Refrigeration)
   MODELOPT CONC  FASTALL
   AVERTIME 1 8
   URBANOPT 2000000
   POLLUTID CO
   RUNORNOT RUN
   ERRORFIL LST_CO_REV3_NR_REV1.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION PHASE1       AREAPOLY   485577.456  3755020.364      527.630
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT01
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.176
** Elevated
** Vertical Dimension = 1.70
** SZINIT = 0.40
** Nodes = 2
** 487123.57, 3755422.68, 541.00, 1.70, 27.35
** 487123.57, 3755095.72, 532.00, 1.70, 27.35
** ---------------------------------------------------------------------
   LOCATION L0112311     VOLUME   487123.570 3755406.219 540.55
   LOCATION L0112312     VOLUME   487123.570 3755347.411 538.93
   LOCATION L0112313     VOLUME   487123.570 3755288.602 537.31
   LOCATION L0112314     VOLUME   487123.570 3755229.793 535.69
   LOCATION L0112315     VOLUME   487123.570 3755170.984 534.07
   LOCATION L0112316     VOLUME   487123.570 3755112.176 532.45
** End of LINE VOLUME Source ID = SEGMENT01
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT02
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.285
** Elevated
** Vertical Dimension = 1.70
** SZINIT = 0.40
** Nodes = 2
** 487126.15, 3755058.81, 532.00, 1.70, 30.03
** 487128.77, 3754444.85, 508.00, 1.70, 30.03
** ---------------------------------------------------------------------
   LOCATION L0111920     VOLUME   487126.220 3755042.351 531.36
   LOCATION L0111921     VOLUME   487126.496 3754977.791 528.83
   LOCATION L0111922     VOLUME   487126.772 3754913.230 526.31
   LOCATION L0111923     VOLUME   487127.048 3754848.670 523.79
   LOCATION L0111924     VOLUME   487127.324 3754784.110 521.26
   LOCATION L0111925     VOLUME   487127.600 3754719.550 518.74
   LOCATION L0111926     VOLUME   487127.876 3754654.990 516.21
   LOCATION L0111927     VOLUME   487128.151 3754590.429 513.69
   LOCATION L0111928     VOLUME   487128.427 3754525.869 511.17
   LOCATION L0111929     VOLUME   487128.703 3754461.309 508.64
** End of LINE VOLUME Source ID = SEGMENT02
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT03
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.289
** Elevated
** Vertical Dimension = 1.70
** SZINIT = 0.40
** Nodes = 4
** 487123.53, 3754444.85, 511.00, 1.70, 18.01
** 486186.84, 3754452.72, 516.00, 1.70, 18.01
** 486042.53, 3754366.14, 509.00, 1.70, 18.01
** 486008.42, 3754297.92, 511.00, 1.70, 18.01
** ---------------------------------------------------------------------
   LOCATION L0110824     VOLUME   487113.771 3754444.931 507.75
   LOCATION L0110825     VOLUME   487075.047 3754445.256 511.34
   LOCATION L0110826     VOLUME   487036.323 3754445.582 512.10
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   LOCATION L0110827     VOLUME   486997.599 3754445.907 512.15
   LOCATION L0110828     VOLUME   486958.875 3754446.233 513.24
   LOCATION L0110829     VOLUME   486920.150 3754446.558 514.00
   LOCATION L0110830     VOLUME   486881.426 3754446.884 514.76
   LOCATION L0110831     VOLUME   486842.702 3754447.209 515.93
   LOCATION L0110832     VOLUME   486803.978 3754447.534 515.40
   LOCATION L0110833     VOLUME   486765.253 3754447.860 516.13
   LOCATION L0110834     VOLUME   486726.529 3754448.185 515.70
   LOCATION L0110835     VOLUME   486687.805 3754448.511 514.26
   LOCATION L0110836     VOLUME   486649.081 3754448.836 514.26
   LOCATION L0110837     VOLUME   486610.357 3754449.161 514.89
   LOCATION L0110838     VOLUME   486571.632 3754449.487 515.30
   LOCATION L0110839     VOLUME   486532.908 3754449.812 514.65
   LOCATION L0110840     VOLUME   486494.184 3754450.138 515.02
   LOCATION L0110841     VOLUME   486455.460 3754450.463 514.53
   LOCATION L0110842     VOLUME   486416.735 3754450.788 513.36
   LOCATION L0110843     VOLUME   486378.011 3754451.114 513.37
   LOCATION L0110844     VOLUME   486339.287 3754451.439 514.07
   LOCATION L0110845     VOLUME   486300.563 3754451.765 514.99
   LOCATION L0110846     VOLUME   486261.839 3754452.090 516.27
   LOCATION L0110847     VOLUME   486223.114 3754452.416 516.77
   LOCATION L0110848     VOLUME   486184.739 3754451.459 514.93
   LOCATION L0110849     VOLUME   486151.532 3754431.535 512.54
   LOCATION L0110850     VOLUME   486118.325 3754411.611 510.16
   LOCATION L0110851     VOLUME   486085.119 3754391.687 509.33
   LOCATION L0110852     VOLUME   486051.912 3754371.763 509.00
   LOCATION L0110853     VOLUME   486030.106 3754341.280 509.29
   LOCATION L0110854     VOLUME   486012.788 3754306.643 509.94
** End of LINE VOLUME Source ID = SEGMENT03
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT04
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0919
** Elevated
** Vertical Dimension = 1.10
** SZINIT = 0.26
** Nodes = 3
** 486005.80, 3754303.17, 511.00, 1.10, 17.72
** 485997.93, 3753510.79, 496.00, 1.10, 17.72
** 486071.40, 3753390.09, 494.00, 1.10, 17.72
** ----------------------------------------------------------------------
   LOCATION L0110855     VOLUME   486005.704 3754293.411 510.63
   LOCATION L0110856     VOLUME   486005.326 3754255.321 509.54
   LOCATION L0110857     VOLUME   486004.948 3754217.231 507.64
   LOCATION L0110858     VOLUME   486004.569 3754179.142 507.85
   LOCATION L0110859     VOLUME   486004.191 3754141.052 508.00
   LOCATION L0110860     VOLUME   486003.812 3754102.962 506.84
   LOCATION L0110861     VOLUME   486003.434 3754064.872 506.32
   LOCATION L0110862     VOLUME   486003.056 3754026.782 505.20
   LOCATION L0110863     VOLUME   486002.677 3753988.692 504.96
   LOCATION L0110864     VOLUME   486002.299 3753950.603 504.05
   LOCATION L0110865     VOLUME   486001.921 3753912.513 503.42
   LOCATION L0110866     VOLUME   486001.542 3753874.423 502.15
   LOCATION L0110867     VOLUME   486001.164 3753836.333 500.88
   LOCATION L0110868     VOLUME   486000.785 3753798.243 499.60
   LOCATION L0110869     VOLUME   486000.407 3753760.153 499.65
   LOCATION L0110870     VOLUME   486000.029 3753722.064 501.86
   LOCATION L0110871     VOLUME   485999.650 3753683.974 501.59
   LOCATION L0110872     VOLUME   485999.272 3753645.884 499.01
   LOCATION L0110873     VOLUME   485998.894 3753607.794 496.47
   LOCATION L0110874     VOLUME   485998.515 3753569.704 495.96
   LOCATION L0110875     VOLUME   485998.137 3753531.614 496.53
   LOCATION L0110876     VOLUME   486006.906 3753496.041 495.32
   LOCATION L0110877     VOLUME   486026.712 3753463.503 492.84
   LOCATION L0110878     VOLUME   486046.518 3753430.965 491.43
   LOCATION L0110879     VOLUME   486066.323 3753398.427 492.30
** End of LINE VOLUME Source ID = SEGMENT04
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT05
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.145
** Elevated
** Vertical Dimension = 1.10
** SZINIT = 0.26
** Nodes = 4
** 486071.40, 3753390.09, 494.00, 1.10, 24.05
** 486147.48, 3753361.23, 495.00, 1.10, 24.05
** 486743.08, 3753353.36, 496.00, 1.10, 24.05
** 487118.28, 3753274.65, 490.00, 1.10, 24.05
** ----------------------------------------------------------------------
   LOCATION L0111930     VOLUME   486083.649 3753385.447 494.16
   LOCATION L0111931     VOLUME   486131.996 3753367.108 494.80
   LOCATION L0111932     VOLUME   486182.626 3753360.769 495.06
   LOCATION L0111933     VOLUME   486234.330 3753360.085 495.15
   LOCATION L0111934     VOLUME   486286.035 3753359.402 495.23
   LOCATION L0111935     VOLUME   486337.740 3753358.719 495.32
   LOCATION L0111936     VOLUME   486389.444 3753358.035 495.41
   LOCATION L0111937     VOLUME   486441.149 3753357.352 495.49
   LOCATION L0111938     VOLUME   486492.853 3753356.669 495.58
   LOCATION L0111939     VOLUME   486544.558 3753355.985 495.67
   LOCATION L0111940     VOLUME   486596.263 3753355.302 495.75
   LOCATION L0111941     VOLUME   486647.967 3753354.619 495.84
   LOCATION L0111942     VOLUME   486699.672 3753353.936 495.93
   LOCATION L0111943     VOLUME   486751.201 3753351.658 495.87
   LOCATION L0111944     VOLUME   486801.808 3753341.041 495.06
   LOCATION L0111945     VOLUME   486852.415 3753330.424 494.25
   LOCATION L0111946     VOLUME   486903.023 3753319.807 493.44
   LOCATION L0111947     VOLUME   486953.630 3753309.190 492.63
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   LOCATION L0111948     VOLUME   487004.238 3753298.573 491.82
   LOCATION L0111949     VOLUME   487054.845 3753287.956 491.01
   LOCATION L0111950     VOLUME   487105.453 3753277.340 490.21
** End of LINE VOLUME Source ID = SEGMENT05
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT06
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.236
** Elevated
** Vertical Dimension = 1.40
** SZINIT = 0.33
** Nodes = 2
** 487123.53, 3754450.10, 512.00, 1.40, 29.19
** 487105.16, 3753287.77, 490.00, 1.40, 29.19
** ---------------------------------------------------------------------
   LOCATION L0111951     VOLUME   487123.266 3754433.639 511.69
   LOCATION L0111952     VOLUME   487122.275 3754370.893 510.50
   LOCATION L0111953     VOLUME   487121.283 3754308.148 509.31
   LOCATION L0111954     VOLUME   487120.292 3754245.403 508.13
   LOCATION L0111955     VOLUME   487119.300 3754182.658 506.94
   LOCATION L0111956     VOLUME   487118.309 3754119.913 505.75
   LOCATION L0111957     VOLUME   487117.317 3754057.168 504.56
   LOCATION L0111958     VOLUME   487116.326 3753994.422 503.38
   LOCATION L0111959     VOLUME   487115.334 3753931.677 502.19
   LOCATION L0111960     VOLUME   487114.343 3753868.932 501.00
   LOCATION L0111961     VOLUME   487113.351 3753806.187 499.81
   LOCATION L0111962     VOLUME   487112.360 3753743.442 498.62
   LOCATION L0111963     VOLUME   487111.369 3753680.697 497.44
   LOCATION L0111964     VOLUME   487110.377 3753617.951 496.25
   LOCATION L0111965     VOLUME   487109.386 3753555.206 495.06
   LOCATION L0111966     VOLUME   487108.394 3753492.461 493.87
   LOCATION L0111967     VOLUME   487107.403 3753429.716 492.69
   LOCATION L0111968     VOLUME   487106.411 3753366.971 491.50
   LOCATION L0111969     VOLUME   487105.420 3753304.226 490.31
** End of LINE VOLUME Source ID = SEGMENT06
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT07
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 487102.54, 3753300.89, 489.00, 1.00, 29.21
** 487105.16, 3752765.64, 483.00, 1.00, 29.21
** ---------------------------------------------------------------------
   LOCATION L0110920     VOLUME   487102.617 3753284.427 489.25
   LOCATION L0110921     VOLUME   487102.924 3753221.636 489.56
   LOCATION L0110922     VOLUME   487103.232 3753158.844 486.75
   LOCATION L0110923     VOLUME   487103.540 3753096.053 485.78
   LOCATION L0110924     VOLUME   487103.848 3753033.262 484.98
   LOCATION L0110925     VOLUME   487104.156 3752970.471 486.98
   LOCATION L0110926     VOLUME   487104.463 3752907.680 484.85
   LOCATION L0110927     VOLUME   487104.771 3752844.889 483.17
   LOCATION L0110928     VOLUME   487105.079 3752782.098 483.74
** End of LINE VOLUME Source ID = SEGMENT07
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT08
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.227
** Elevated
** Vertical Dimension = 1.10
** SZINIT = 0.26
** Nodes = 3
** 486074.02, 3753392.72, 494.00, 1.10, 18.01
** 485979.56, 3753190.69, 490.00, 1.10, 18.01
** 485959.38, 3752271.31, 509.00, 1.10, 18.01
** ---------------------------------------------------------------------
   LOCATION L0110929     VOLUME   486069.888 3753383.881 492.66
   LOCATION L0110930     VOLUME   486053.485 3753348.798 491.27
   LOCATION L0110931     VOLUME   486037.083 3753313.715 490.52
   LOCATION L0110932     VOLUME   486020.680 3753278.632 490.29
   LOCATION L0110933     VOLUME   486004.278 3753243.549 490.00
   LOCATION L0110934     VOLUME   485987.875 3753208.466 489.60
   LOCATION L0110935     VOLUME   485979.144 3753171.590 489.02
   LOCATION L0110936     VOLUME   485978.294 3753132.871 488.12
   LOCATION L0110937     VOLUME   485977.445 3753094.153 488.21
   LOCATION L0110938     VOLUME   485976.595 3753055.434 489.37
   LOCATION L0110939     VOLUME   485975.745 3753016.715 490.11
   LOCATION L0110940     VOLUME   485974.895 3752977.997 490.00
   LOCATION L0110941     VOLUME   485974.045 3752939.278 489.00
   LOCATION L0110942     VOLUME   485973.195 3752900.559 489.00
   LOCATION L0110943     VOLUME   485972.345 3752861.841 489.00
   LOCATION L0110944     VOLUME   485971.495 3752823.122 489.00
   LOCATION L0110945     VOLUME   485970.646 3752784.403 488.77
   LOCATION L0110946     VOLUME   485969.796 3752745.684 487.04
   LOCATION L0110947     VOLUME   485968.946 3752706.966 485.22
   LOCATION L0110948     VOLUME   485968.096 3752668.247 486.17
   LOCATION L0110949     VOLUME   485967.246 3752629.528 488.82
   LOCATION L0110950     VOLUME   485966.396 3752590.810 490.12
   LOCATION L0110951     VOLUME   485965.546 3752552.091 495.23
   LOCATION L0110952     VOLUME   485964.696 3752513.372 496.37
   LOCATION L0110953     VOLUME   485963.846 3752474.654 496.10
   LOCATION L0110954     VOLUME   485962.997 3752435.935 496.42
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   LOCATION L0110955     VOLUME   485962.147 3752397.216 498.83
   LOCATION L0110956     VOLUME   485961.297 3752358.498 500.09
   LOCATION L0110957     VOLUME   485960.447 3752319.779 500.68
   LOCATION L0110958     VOLUME   485959.597 3752281.060 501.95
** End of LINE VOLUME Source ID = SEGMENT08
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT11
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0859
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 485510.85, 3754275.79, 515.00, 1.00, 15.74
** 485509.55, 3753074.46, 494.00, 1.00, 15.74
** ---------------------------------------------------------------------
   LOCATION L0111970     VOLUME   485510.839 3754267.258 514.85
   LOCATION L0111971     VOLUME   485510.802 3754233.422 514.26
   LOCATION L0111972     VOLUME   485510.765 3754199.586 513.67
   LOCATION L0111973     VOLUME   485510.729 3754165.750 513.08
   LOCATION L0111974     VOLUME   485510.692 3754131.914 512.48
   LOCATION L0111975     VOLUME   485510.655 3754098.078 511.89
   LOCATION L0111976     VOLUME   485510.619 3754064.242 511.30
   LOCATION L0111977     VOLUME   485510.582 3754030.406 510.71
   LOCATION L0111978     VOLUME   485510.545 3753996.570 510.12
   LOCATION L0111979     VOLUME   485510.509 3753962.734 509.53
   LOCATION L0111980     VOLUME   485510.472 3753928.898 508.94
   LOCATION L0111981     VOLUME   485510.436 3753895.062 508.34
   LOCATION L0111982     VOLUME   485510.399 3753861.226 507.75
   LOCATION L0111983     VOLUME   485510.362 3753827.390 507.16
   LOCATION L0111984     VOLUME   485510.326 3753793.554 506.57
   LOCATION L0111985     VOLUME   485510.289 3753759.718 505.98
   LOCATION L0111986     VOLUME   485510.252 3753725.882 505.39
   LOCATION L0111987     VOLUME   485510.216 3753692.046 504.80
   LOCATION L0111988     VOLUME   485510.179 3753658.210 504.20
   LOCATION L0111989     VOLUME   485510.142 3753624.374 503.61
   LOCATION L0111990     VOLUME   485510.106 3753590.538 503.02
   LOCATION L0111991     VOLUME   485510.069 3753556.702 502.43
   LOCATION L0111992     VOLUME   485510.032 3753522.866 501.84
   LOCATION L0111993     VOLUME   485509.996 3753489.030 501.25
   LOCATION L0111994     VOLUME   485509.959 3753455.194 500.66
   LOCATION L0111995     VOLUME   485509.922 3753421.357 500.06
   LOCATION L0111996     VOLUME   485509.886 3753387.521 499.47
   LOCATION L0111997     VOLUME   485509.849 3753353.685 498.88
   LOCATION L0111998     VOLUME   485509.812 3753319.849 498.29
   LOCATION L0111999     VOLUME   485509.776 3753286.013 497.70
   LOCATION L0112000     VOLUME   485509.739 3753252.177 497.11
   LOCATION L0112001     VOLUME   485509.702 3753218.341 496.52
   LOCATION L0112002     VOLUME   485509.666 3753184.505 495.92
   LOCATION L0112003     VOLUME   485509.629 3753150.669 495.33
   LOCATION L0112004     VOLUME   485509.592 3753116.833 494.74
   LOCATION L0112005     VOLUME   485509.556 3753082.997 494.15
** End of LINE VOLUME Source ID = SEGMENT11
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT12
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.137
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 485533.45, 3755091.71, 532.00, 1.00, 15.63
** 485515.75, 3754268.39, 515.00, 1.00, 15.63
** ---------------------------------------------------------------------
   LOCATION L0112006     VOLUME   485533.265 3755083.180 531.82
   LOCATION L0112007     VOLUME   485532.543 3755049.586 531.13
   LOCATION L0112008     VOLUME   485531.821 3755015.992 530.44
   LOCATION L0112009     VOLUME   485531.099 3754982.399 529.74
   LOCATION L0112010     VOLUME   485530.377 3754948.805 529.05
   LOCATION L0112011     VOLUME   485529.654 3754915.211 528.36
   LOCATION L0112012     VOLUME   485528.932 3754881.617 527.66
   LOCATION L0112013     VOLUME   485528.210 3754848.023 526.97
   LOCATION L0112014     VOLUME   485527.488 3754814.429 526.27
   LOCATION L0112015     VOLUME   485526.766 3754780.835 525.58
   LOCATION L0112016     VOLUME   485526.044 3754747.241 524.89
   LOCATION L0112017     VOLUME   485525.321 3754713.647 524.19
   LOCATION L0112018     VOLUME   485524.599 3754680.053 523.50
   LOCATION L0112019     VOLUME   485523.877 3754646.460 522.81
   LOCATION L0112020     VOLUME   485523.155 3754612.866 522.11
   LOCATION L0112021     VOLUME   485522.433 3754579.272 521.42
   LOCATION L0112022     VOLUME   485521.711 3754545.678 520.73
   LOCATION L0112023     VOLUME   485520.988 3754512.084 520.03
   LOCATION L0112024     VOLUME   485520.266 3754478.490 519.34
   LOCATION L0112025     VOLUME   485519.544 3754444.896 518.64
   LOCATION L0112026     VOLUME   485518.822 3754411.302 517.95
   LOCATION L0112027     VOLUME   485518.100 3754377.708 517.26
   LOCATION L0112028     VOLUME   485517.378 3754344.114 516.56
   LOCATION L0112029     VOLUME   485516.655 3754310.520 515.87
   LOCATION L0112030     VOLUME   485515.933 3754276.927 515.18
** End of LINE VOLUME Source ID = SEGMENT12
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT14
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0
```

```
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 485503.72, 3755054.30, 532.00, 1.00, 23.83
** 486400.84, 3755050.67, 532.00, 1.00, 23.83
** ----------------------------------------------------------------------
   LOCATION L0111020     VOLUME   485516.820 3755054.250 529.90
   LOCATION L0111021     VOLUME   485568.051 3755054.043 528.58
   LOCATION L0111022     VOLUME   485619.281 3755053.835 530.77
   LOCATION L0111023     VOLUME   485670.512 3755053.628 532.50
   LOCATION L0111024     VOLUME   485721.742 3755053.421 534.25
   LOCATION L0111025     VOLUME   485772.972 3755053.213 531.14
   LOCATION L0111026     VOLUME   485824.203 3755053.006 529.49
   LOCATION L0111027     VOLUME   485875.433 3755052.798 529.85
   LOCATION L0111028     VOLUME   485926.663 3755052.591 530.93
   LOCATION L0111029     VOLUME   485977.894 3755052.384 529.69
   LOCATION L0111030     VOLUME   486029.124 3755052.176 529.39
   LOCATION L0111031     VOLUME   486080.355 3755051.969 529.54
   LOCATION L0111032     VOLUME   486131.585 3755051.761 529.54
   LOCATION L0111033     VOLUME   486182.815 3755051.554 530.26
   LOCATION L0111034     VOLUME   486234.046 3755051.346 527.40
   LOCATION L0111035     VOLUME   486285.276 3755051.139 527.00
   LOCATION L0111036     VOLUME   486336.506 3755050.932 526.50
   LOCATION L0111037     VOLUME   486387.737 3755050.724 527.33
** End of LINE VOLUME Source ID = SEGMENT14
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT15
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.113
** Elevated
** Vertical Dimension = 2.10
** SZINIT = 0.49
** Nodes = 2
** 486385.45, 3755051.87, 530.00, 2.10, 23.51
** 487119.32, 3755045.18, 533.00, 2.10, 23.51
** ----------------------------------------------------------------------
   LOCATION L0112031     VOLUME   486398.558 3755051.755 530.05
   LOCATION L0112032     VOLUME   486449.105 3755051.294 530.26
   LOCATION L0112033     VOLUME   486499.652 3755050.833 530.47
   LOCATION L0112034     VOLUME   486550.198 3755050.372 530.67
   LOCATION L0112035     VOLUME   486600.745 3755049.911 530.88
   LOCATION L0112036     VOLUME   486651.292 3755049.450 531.09
   LOCATION L0112037     VOLUME   486701.838 3755048.989 531.29
   LOCATION L0112038     VOLUME   486752.385 3755048.528 531.50
   LOCATION L0112039     VOLUME   486802.931 3755048.067 531.71
   LOCATION L0112040     VOLUME   486853.478 3755047.607 531.91
   LOCATION L0112041     VOLUME   486904.025 3755047.146 532.12
   LOCATION L0112042     VOLUME   486954.571 3755046.685 532.33
   LOCATION L0112043     VOLUME   487005.118 3755046.224 532.53
   LOCATION L0112044     VOLUME   487055.665 3755045.763 532.74
   LOCATION L0112045     VOLUME   487106.211 3755045.302 532.95
** End of LINE VOLUME Source ID = SEGMENT15
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT18
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 5
** 487138.06, 3755042.91, 533.00, 1.00, 23.38
** 487300.89, 3755033.99, 529.00, 1.00, 23.38
** 487535.10, 3754996.07, 529.00, 1.00, 23.38
** 487711.32, 3755000.53, 525.00, 1.00, 23.38
** 487907.61, 3754947.00, 526.00, 1.00, 23.38
** ----------------------------------------------------------------------
   LOCATION L0111053     VOLUME   487151.146 3755042.194 530.63
   LOCATION L0111054     VOLUME   487201.328 3755039.444 528.00
   LOCATION L0111055     VOLUME   487251.510 3755036.694 528.53
   LOCATION L0111056     VOLUME   487301.683 3755033.861 528.59
   LOCATION L0111057     VOLUME   487351.295 3755025.828 526.03
   LOCATION L0111058     VOLUME   487400.906 3755017.796 524.56
   LOCATION L0111059     VOLUME   487450.518 3755009.764 524.36
   LOCATION L0111060     VOLUME   487500.129 3755001.731 526.00
   LOCATION L0111061     VOLUME   487549.926 3754996.444 528.33
   LOCATION L0111062     VOLUME   487600.167 3754997.716 529.25
   LOCATION L0111063     VOLUME   487650.409 3754998.988 526.24
   LOCATION L0111064     VOLUME   487700.650 3755000.260 522.97
   LOCATION L0111065     VOLUME   487749.509 3754990.115 522.29
   LOCATION L0111066     VOLUME   487797.996 3754976.891 523.27
   LOCATION L0111067     VOLUME   487846.482 3754963.667 524.09
   LOCATION L0111068     VOLUME   487894.969 3754950.444 525.82
** End of LINE VOLUME Source ID = SEGMENT18
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT18A
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 5
** 487908.51, 3754945.43, 526.00, 1.00, 24.10
** 488040.12, 3754869.59, 520.00, 1.00, 24.10
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** 488173.95, 3754769.21, 522.00, 1.00, 24.10
** 488301.10, 3754733.52, 523.00, 1.00, 24.10
** 488497.39, 3754720.14, 526.00, 1.00, 24.10
** ----------------------------------------------------------------------
   LOCATION L0111069     VOLUME   487919.867 3754938.887 524.63
   LOCATION L0111070     VOLUME   487964.761 3754913.016 521.91
   LOCATION L0111071     VOLUME   488009.655 3754887.144 519.81
   LOCATION L0111072     VOLUME   488053.443 3754859.596 519.44
   LOCATION L0111073     VOLUME   488094.895 3754828.507 519.17
   LOCATION L0111074     VOLUME   488136.347 3754797.418 520.48
   LOCATION L0111075     VOLUME   488178.582 3754767.914 521.23
   LOCATION L0111076     VOLUME   488228.469 3754753.911 522.90
   LOCATION L0111077     VOLUME   488278.356 3754739.908 523.05
   LOCATION L0111078     VOLUME   488329.227 3754731.607 521.54
   LOCATION L0111079     VOLUME   488380.922 3754728.082 523.90
   LOCATION L0111080     VOLUME   488432.617 3754724.557 527.97
   LOCATION L0111081     VOLUME   488484.312 3754721.033 524.82
** End of LINE VOLUME Source ID = SEGMENT18A
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT19
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 6
** 487121.55, 3754448.99, 511.00, 1.00, 17.64
** 487583.28, 3754424.46, 510.00, 1.00, 17.64
** 487714.88, 3754428.92, 512.00, 1.00, 17.64
** 487795.18, 3754451.22, 513.00, 1.00, 17.64
** 488303.76, 3754442.30, 511.00, 1.00, 17.64
** 488433.13, 3754346.39, 506.00, 1.00, 17.64
** ----------------------------------------------------------------------
   LOCATION L0111082     VOLUME   487131.288 3754448.475 506.58
   LOCATION L0111083     VOLUME   487169.165 3754446.462 506.00
   LOCATION L0111084     VOLUME   487207.043 3754444.450 508.12
   LOCATION L0111085     VOLUME   487244.921 3754442.437 509.08
   LOCATION L0111086     VOLUME   487282.799 3754440.424 509.78
   LOCATION L0111087     VOLUME   487320.677 3754438.411 509.05
   LOCATION L0111088     VOLUME   487358.555 3754436.398 509.37
   LOCATION L0111089     VOLUME   487396.433 3754434.385 510.45
   LOCATION L0111090     VOLUME   487434.310 3754432.373 509.94
   LOCATION L0111091     VOLUME   487472.188 3754430.360 509.38
   LOCATION L0111092     VOLUME   487510.066 3754428.347 509.95
   LOCATION L0111093     VOLUME   487547.944 3754426.334 510.22
   LOCATION L0111094     VOLUME   487585.824 3754424.543 509.56
   LOCATION L0111095     VOLUME   487623.733 3754425.828 510.12
   LOCATION L0111096     VOLUME   487661.643 3754427.113 510.71
   LOCATION L0111097     VOLUME   487699.553 3754428.398 510.44
   LOCATION L0111098     VOLUME   487736.651 3754434.965 510.81
   LOCATION L0111099     VOLUME   487773.198 3754445.117 510.41
   LOCATION L0111100     VOLUME   487810.295 3754450.958 509.88
   LOCATION L0111101     VOLUME   487848.220 3754450.293 509.77
   LOCATION L0111102     VOLUME   487886.146 3754449.628 508.53
   LOCATION L0111103     VOLUME   487924.071 3754448.962 507.74
   LOCATION L0111104     VOLUME   487961.997 3754448.297 508.40
   LOCATION L0111105     VOLUME   487999.922 3754447.632 509.00
   LOCATION L0111106     VOLUME   488037.848 3754446.966 508.07
   LOCATION L0111107     VOLUME   488075.773 3754446.301 507.15
   LOCATION L0111108     VOLUME   488113.698 3754445.635 508.18
   LOCATION L0111109     VOLUME   488151.624 3754444.970 508.31
   LOCATION L0111110     VOLUME   488189.549 3754444.305 509.27
   LOCATION L0111111     VOLUME   488227.475 3754443.639 510.36
   LOCATION L0111112     VOLUME   488265.400 3754442.974 510.66
   LOCATION L0111113     VOLUME   488303.326 3754442.309 510.94
   LOCATION L0111114     VOLUME   488333.881 3754419.967 509.27
   LOCATION L0111115     VOLUME   488364.352 3754397.376 506.49
   LOCATION L0111116     VOLUME   488394.822 3754374.786 504.46
   LOCATION L0111117     VOLUME   488425.293 3754352.196 504.99
** End of LINE VOLUME Source ID = SEGMENT19
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT20
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 3
** 488428.67, 3754348.62, 506.00, 1.00, 18.04
** 488457.67, 3754308.47, 506.00, 1.00, 18.04
** 488457.67, 3753291.32, 483.00, 1.00, 18.04
** ----------------------------------------------------------------------
   LOCATION L0111118     VOLUME   488434.379 3754340.708 505.31
   LOCATION L0111119     VOLUME   488457.087 3754309.267 506.00
   LOCATION L0111120     VOLUME   488457.666 3754270.671 506.00
   LOCATION L0111121     VOLUME   488457.666 3754231.887 505.06
   LOCATION L0111122     VOLUME   488457.666 3754193.103 501.00
   LOCATION L0111123     VOLUME   488457.666 3754154.319 501.52
   LOCATION L0111124     VOLUME   488457.666 3754115.535 503.63
   LOCATION L0111125     VOLUME   488457.666 3754076.751 502.89
   LOCATION L0111126     VOLUME   488457.666 3754037.968 502.00
   LOCATION L0111127     VOLUME   488457.666 3753999.184 502.00
   LOCATION L0111128     VOLUME   488457.666 3753960.400 502.00
   LOCATION L0111129     VOLUME   488457.666 3753921.616 500.44
   LOCATION L0111130     VOLUME   488457.666 3753882.832 498.43
   LOCATION L0111131     VOLUME   488457.666 3753844.049 497.13
   LOCATION L0111132     VOLUME   488457.666 3753805.265 496.84
   LOCATION L0111133     VOLUME   488457.666 3753766.481 496.00
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   LOCATION L0111134     VOLUME   488457.666 3753727.697 495.26
   LOCATION L0111135     VOLUME   488457.666 3753688.913 493.93
   LOCATION L0111136     VOLUME   488457.666 3753650.130 491.01
   LOCATION L0111137     VOLUME   488457.666 3753611.346 488.38
   LOCATION L0111138     VOLUME   488457.666 3753572.562 488.00
   LOCATION L0111139     VOLUME   488457.666 3753533.778 488.00
   LOCATION L0111140     VOLUME   488457.666 3753494.994 488.00
   LOCATION L0111141     VOLUME   488457.666 3753456.211 487.21
   LOCATION L0111142     VOLUME   488457.666 3753417.427 485.91
   LOCATION L0111143     VOLUME   488457.666 3753378.643 485.38
   LOCATION L0111144     VOLUME   488457.666 3753339.859 483.99
   LOCATION L0111145     VOLUME   488457.666 3753301.075 482.04
** End of LINE VOLUME Source ID = SEGMENT20
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT21
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.12
** Elevated
** Vertical Dimension = 1.20
** SZINIT = 0.28
** Nodes = 2
** 487098.48, 3753294.03, 491.00, 1.20, 22.81
** 487762.08, 3753289.01, 485.00, 1.20, 22.81
** ----------------------------------------------------------------------
   LOCATION L0112046     VOLUME   487111.587 3753293.935 490.88
   LOCATION L0112047     VOLUME   487160.618 3753293.563 490.44
   LOCATION L0112048     VOLUME   487209.648 3753293.192 489.99
   LOCATION L0112049     VOLUME   487258.678 3753292.820 489.55
   LOCATION L0112050     VOLUME   487307.708 3753292.449 489.11
   LOCATION L0112051     VOLUME   487356.738 3753292.077 488.66
   LOCATION L0112052     VOLUME   487405.769 3753291.706 488.22
   LOCATION L0112053     VOLUME   487454.799 3753291.335 487.78
   LOCATION L0112054     VOLUME   487503.829 3753290.963 487.34
   LOCATION L0112055     VOLUME   487552.859 3753290.592 486.89
   LOCATION L0112056     VOLUME   487601.890 3753290.220 486.45
   LOCATION L0112057     VOLUME   487650.920 3753289.849 486.01
   LOCATION L0112058     VOLUME   487699.950 3753289.477 485.56
   LOCATION L0112059     VOLUME   487748.980 3753289.106 485.12
** End of LINE VOLUME Source ID = SEGMENT21
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT22
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0689
** Elevated
** Vertical Dimension = 1.10
** SZINIT = 0.26
** Nodes = 2
** 487752.03, 3753289.01, 485.00, 1.10, 24.24
** 488455.85, 3753289.01, 483.00, 1.10, 24.24
** ----------------------------------------------------------------------
   LOCATION L0111160     VOLUME   487765.135 3753289.007 484.00
   LOCATION L0111161     VOLUME   487817.259 3753289.007 485.27
   LOCATION L0111162     VOLUME   487869.383 3753289.007 483.15
   LOCATION L0111163     VOLUME   487921.507 3753289.007 482.97
   LOCATION L0111164     VOLUME   487973.631 3753289.007 484.84
   LOCATION L0111165     VOLUME   488025.755 3753289.007 485.63
   LOCATION L0111166     VOLUME   488077.879 3753289.007 485.37
   LOCATION L0111167     VOLUME   488130.002 3753289.007 485.63
   LOCATION L0111168     VOLUME   488182.126 3753289.007 485.63
   LOCATION L0111169     VOLUME   488234.250 3753289.007 486.33
   LOCATION L0111170     VOLUME   488286.374 3753289.007 484.87
   LOCATION L0111171     VOLUME   488338.498 3753289.007 484.37
   LOCATION L0111172     VOLUME   488390.622 3753289.007 484.55
   LOCATION L0111173     VOLUME   488442.746 3753289.007 483.27
** End of LINE VOLUME Source ID = SEGMENT22
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT23
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.00081
** Elevated
** Vertical Dimension = 1.90
** SZINIT = 0.44
** Nodes = 2
** 488445.80, 3753299.06, 484.00, 1.90, 18.10
** 488450.82, 3752851.63, 480.00, 1.90, 18.10
** ----------------------------------------------------------------------
   LOCATION L0111651     VOLUME   488445.906 3753289.307 481.64
   LOCATION L0111652     VOLUME   488446.343 3753250.405 481.00
   LOCATION L0111653     VOLUME   488446.780 3753211.503 480.05
   LOCATION L0111654     VOLUME   488447.217 3753172.601 479.00
   LOCATION L0111655     VOLUME   488447.654 3753133.700 478.46
   LOCATION L0111656     VOLUME   488448.091 3753094.798 478.00
   LOCATION L0111657     VOLUME   488448.528 3753055.896 477.00
   LOCATION L0111658     VOLUME   488448.966 3753016.994 477.00
   LOCATION L0111659     VOLUME   488449.403 3752978.092 477.73
   LOCATION L0111660     VOLUME   488449.840 3752939.190 478.97
   LOCATION L0111661     VOLUME   488450.277 3752900.289 478.00
   LOCATION L0111662     VOLUME   488450.714 3752861.387 478.00
** End of LINE VOLUME Source ID = SEGMENT23
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT24
** DESCRSRC
** PREFIX
```

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** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0679
** Elevated
** Vertical Dimension = 1.20
** SZINIT = 0.28
** Nodes = 2
** 488450.82, 3753299.06, 483.00, 1.20, 23.53
** 489893.66, 3753294.03, 493.00, 1.20, 23.53
** ----------------------------------------------------------------------
   LOCATION L0112060     VOLUME   488463.928 3753299.016 483.09
   LOCATION L0112061     VOLUME   488514.522 3753298.839 483.44
   LOCATION L0112062     VOLUME   488565.116 3753298.663 483.79
   LOCATION L0112063     VOLUME   488615.709 3753298.487 484.14
   LOCATION L0112064     VOLUME   488666.303 3753298.310 484.49
   LOCATION L0112065     VOLUME   488716.897 3753298.134 484.84
   LOCATION L0112066     VOLUME   488767.490 3753297.958 485.19
   LOCATION L0112067     VOLUME   488818.084 3753297.782 485.55
   LOCATION L0112068     VOLUME   488868.678 3753297.605 485.90
   LOCATION L0112069     VOLUME   488919.271 3753297.429 486.25
   LOCATION L0112070     VOLUME   488969.865 3753297.253 486.60
   LOCATION L0112071     VOLUME   489020.459 3753297.076 486.95
   LOCATION L0112072     VOLUME   489071.052 3753296.900 487.30
   LOCATION L0112073     VOLUME   489121.646 3753296.724 487.65
   LOCATION L0112074     VOLUME   489172.240 3753296.548 488.00
   LOCATION L0112075     VOLUME   489222.833 3753296.371 488.35
   LOCATION L0112076     VOLUME   489273.427 3753296.195 488.70
   LOCATION L0112077     VOLUME   489324.020 3753296.019 489.05
   LOCATION L0112078     VOLUME   489374.614 3753295.842 489.40
   LOCATION L0112079     VOLUME   489425.208 3753295.666 489.75
   LOCATION L0112080     VOLUME   489475.801 3753295.490 490.10
   LOCATION L0112081     VOLUME   489526.395 3753295.314 490.45
   LOCATION L0112082     VOLUME   489576.989 3753295.137 490.81
   LOCATION L0112083     VOLUME   489627.582 3753294.961 491.16
   LOCATION L0112084     VOLUME   489678.176 3753294.785 491.51
   LOCATION L0112085     VOLUME   489728.770 3753294.608 491.86
   LOCATION L0112086     VOLUME   489779.363 3753294.432 492.21
   LOCATION L0112087     VOLUME   489829.957 3753294.256 492.56
   LOCATION L0112088     VOLUME   489880.551 3753294.080 492.91
** End of LINE VOLUME Source ID = SEGMENT24
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT25
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0242
** Elevated
** Vertical Dimension = 1.10
** SZINIT = 0.26
** Nodes = 3
** 489888.63, 3753289.01, 493.00, 1.10, 22.24
** 489959.01, 3753319.17, 494.00, 1.10, 22.24
** 490099.77, 3753444.85, 504.00, 1.10, 22.24
** ----------------------------------------------------------------------
   LOCATION L0112089     VOLUME   489900.674 3753294.169 493.17
   LOCATION L0112090     VOLUME   489944.622 3753313.004 493.80
   LOCATION L0112091     VOLUME   489983.000 3753340.589 495.70
   LOCATION L0112092     VOLUME   490018.666 3753372.434 498.24
   LOCATION L0112093     VOLUME   490054.332 3753404.279 500.77
   LOCATION L0112094     VOLUME   490089.999 3753436.124 503.31
** End of LINE VOLUME Source ID = SEGMENT25
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT26
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 489898.68, 3753289.01, 493.00, 1.00, 15.51
** 489903.71, 3752871.74, 482.00, 1.00, 15.51
** ----------------------------------------------------------------------
   LOCATION L0111221     VOLUME   489898.786 3753280.472 492.29
   LOCATION L0111222     VOLUME   489899.187 3753247.123 490.45
   LOCATION L0111223     VOLUME   489899.589 3753213.773 488.25
   LOCATION L0111224     VOLUME   489899.991 3753180.423 487.01
   LOCATION L0111225     VOLUME   489900.393 3753147.074 488.28
   LOCATION L0111226     VOLUME   489900.795 3753113.724 490.99
   LOCATION L0111227     VOLUME   489901.196 3753080.374 490.63
   LOCATION L0111228     VOLUME   489901.598 3753047.024 489.03
   LOCATION L0111229     VOLUME   489902.000 3753013.675 487.32
   LOCATION L0111230     VOLUME   489902.402 3752980.325 486.24
   LOCATION L0111231     VOLUME   489902.804 3752946.975 484.59
   LOCATION L0111232     VOLUME   489903.205 3752913.626 482.46
   LOCATION L0111233     VOLUME   489903.607 3752880.276 480.38
** End of LINE VOLUME Source ID = SEGMENT26
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT27
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 489908.74, 3752866.71, 482.00, 1.00, 15.35
** 490255.62, 3752876.77, 483.00, 1.00, 15.35
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** ----------------------------------------------------------------------
   LOCATION L0111234     VOLUME   489917.269 3752866.962 481.66
   LOCATION L0111235     VOLUME   489950.251 3752867.918 483.00
   LOCATION L0111236     VOLUME   489983.233 3752868.874 484.03
   LOCATION L0111237     VOLUME   490016.215 3752869.830 484.90
   LOCATION L0111238     VOLUME   490049.197 3752870.786 486.05
   LOCATION L0111239     VOLUME   490082.179 3752871.742 485.72
   LOCATION L0111240     VOLUME   490115.161 3752872.698 485.89
   LOCATION L0111241     VOLUME   490148.143 3752873.654 486.58
   LOCATION L0111242     VOLUME   490181.125 3752874.610 486.03
   LOCATION L0111243     VOLUME   490214.107 3752875.566 484.13
   LOCATION L0111244     VOLUME   490247.089 3752876.522 482.55
** End of LINE VOLUME Source ID = SEGMENT27
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT28
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 3
** 488445.80, 3752856.66, 479.00, 1.00, 15.60
** 489023.93, 3752886.82, 482.00, 1.00, 15.60
** 489903.71, 3752871.74, 482.00, 1.00, 15.60
** ----------------------------------------------------------------------
   LOCATION L0111245     VOLUME   488454.320 3752857.104 478.00
   LOCATION L0111246     VOLUME   488487.803 3752858.851 478.65
   LOCATION L0111247     VOLUME   488521.287 3752860.598 477.56
   LOCATION L0111248     VOLUME   488554.771 3752862.345 475.49
   LOCATION L0111249     VOLUME   488588.255 3752864.092 475.28
   LOCATION L0111250     VOLUME   488621.738 3752865.839 476.58
   LOCATION L0111251     VOLUME   488655.222 3752867.586 478.01
   LOCATION L0111252     VOLUME   488688.706 3752869.333 478.46
   LOCATION L0111253     VOLUME   488722.190 3752871.080 477.56
   LOCATION L0111254     VOLUME   488755.673 3752872.827 477.44
   LOCATION L0111255     VOLUME   488789.157 3752874.574 478.33
   LOCATION L0111256     VOLUME   488822.641 3752876.321 478.23
   LOCATION L0111257     VOLUME   488856.125 3752878.068 478.05
   LOCATION L0111258     VOLUME   488889.608 3752879.815 478.00
   LOCATION L0111259     VOLUME   488923.092 3752881.562 477.67
   LOCATION L0111260     VOLUME   488956.576 3752883.309 478.20
   LOCATION L0111261     VOLUME   488990.060 3752885.056 479.67
   LOCATION L0111262     VOLUME   489023.543 3752886.803 481.39
   LOCATION L0111263     VOLUME   489057.067 3752886.256 482.69
   LOCATION L0111264     VOLUME   489090.592 3752885.681 481.79
   LOCATION L0111265     VOLUME   489124.116 3752885.106 480.72
   LOCATION L0111266     VOLUME   489157.640 3752884.531 479.78
   LOCATION L0111267     VOLUME   489191.165 3752883.957 478.81
   LOCATION L0111268     VOLUME   489224.689 3752883.382 478.66
   LOCATION L0111269     VOLUME   489258.213 3752882.807 479.70
   LOCATION L0111270     VOLUME   489291.738 3752882.233 480.07
   LOCATION L0111271     VOLUME   489325.262 3752881.658 480.06
   LOCATION L0111272     VOLUME   489358.787 3752881.083 480.07
   LOCATION L0111273     VOLUME   489392.311 3752880.508 480.03
   LOCATION L0111274     VOLUME   489425.835 3752879.934 480.19
   LOCATION L0111275     VOLUME   489459.360 3752879.359 481.26
   LOCATION L0111276     VOLUME   489492.884 3752878.784 481.90
   LOCATION L0111277     VOLUME   489526.408 3752878.210 481.91
   LOCATION L0111278     VOLUME   489559.933 3752877.635 482.48
   LOCATION L0111279     VOLUME   489593.457 3752877.060 483.49
   LOCATION L0111280     VOLUME   489626.981 3752876.486 484.65
   LOCATION L0111281     VOLUME   489660.506 3752875.911 484.85
   LOCATION L0111282     VOLUME   489694.030 3752875.336 483.84
   LOCATION L0111283     VOLUME   489727.555 3752874.761 484.12
   LOCATION L0111284     VOLUME   489761.079 3752874.187 485.30
   LOCATION L0111285     VOLUME   489794.603 3752873.612 484.92
   LOCATION L0111286     VOLUME   489828.128 3752873.037 482.79
   LOCATION L0111287     VOLUME   489861.652 3752872.463 480.74
   LOCATION L0111288     VOLUME   489895.176 3752871.888 480.27
** End of LINE VOLUME Source ID = SEGMENT28
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT29
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.164
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 488254.11, 3755298.30, 548.00, 1.00, 9.20
** 488465.26, 3754775.46, 527.00, 1.00, 9.20
** ----------------------------------------------------------------------
   LOCATION L0112095     VOLUME   488256.001 3755293.618 547.81
   LOCATION L0112096     VOLUME   488263.407 3755275.280 547.08
   LOCATION L0112097     VOLUME   488270.813 3755256.941 546.34
   LOCATION L0112098     VOLUME   488278.219 3755238.603 545.60
   LOCATION L0112099     VOLUME   488285.625 3755220.265 544.87
   LOCATION L0112100     VOLUME   488293.031 3755201.926 544.13
   LOCATION L0112101     VOLUME   488300.437 3755183.588 543.39
   LOCATION L0112102     VOLUME   488307.843 3755165.250 542.66
   LOCATION L0112103     VOLUME   488315.248 3755146.911 541.92
   LOCATION L0112104     VOLUME   488322.654 3755128.573 541.18
   LOCATION L0112105     VOLUME   488330.060 3755110.235 540.45
   LOCATION L0112106     VOLUME   488337.466 3755091.896 539.71
   LOCATION L0112107     VOLUME   488344.872 3755073.558 538.97
   LOCATION L0112108     VOLUME   488352.278 3755055.220 538.24
   LOCATION L0112109     VOLUME   488359.684 3755036.881 537.50
   LOCATION L0112110     VOLUME   488367.089 3755018.543 536.76
   LOCATION L0112111     VOLUME   488374.495 3755000.205 536.03
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   LOCATION L0112112     VOLUME   488381.901 3754981.866 535.29
   LOCATION L0112113     VOLUME   488389.307 3754963.528 534.55
   LOCATION L0112114     VOLUME   488396.713 3754945.190 533.82
   LOCATION L0112115     VOLUME   488404.119 3754926.851 533.08
   LOCATION L0112116     VOLUME   488411.525 3754908.513 532.34
   LOCATION L0112117     VOLUME   488418.930 3754890.175 531.61
   LOCATION L0112118     VOLUME   488426.336 3754871.837 530.87
   LOCATION L0112119     VOLUME   488433.742 3754853.498 530.13
   LOCATION L0112120     VOLUME   488441.148 3754835.160 529.40
   LOCATION L0112121     VOLUME   488448.554 3754816.822 528.66
   LOCATION L0112122     VOLUME   488455.960 3754798.483 527.92
   LOCATION L0112123     VOLUME   488463.366 3754780.145 527.19
** End of LINE VOLUME Source ID = SEGMENT29
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT30
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.632
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 4
** 488465.58, 3754780.49, 527.00, 1.00, 9.32
** 488732.03, 3754307.92, 516.00, 1.00, 9.32
** 488963.28, 3754116.89, 511.00, 1.00, 9.32
** 490099.45, 3753423.12, 503.00, 1.00, 9.32
** ----------------------------------------------------------------------
   LOCATION L0112124     VOLUME   488468.061 3754776.091 526.90
   LOCATION L0112125     VOLUME   488477.900 3754758.640 526.49
   LOCATION L0112126     VOLUME   488487.740 3754741.189 526.09
   LOCATION L0112127     VOLUME   488497.579 3754723.739 525.68
   LOCATION L0112128     VOLUME   488507.418 3754706.288 525.27
   LOCATION L0112129     VOLUME   488517.257 3754688.838 524.87
   LOCATION L0112130     VOLUME   488527.096 3754671.387 524.46
   LOCATION L0112131     VOLUME   488536.935 3754653.936 524.05
   LOCATION L0112132     VOLUME   488546.775 3754636.486 523.65
   LOCATION L0112133     VOLUME   488556.614 3754619.035 523.24
   LOCATION L0112134     VOLUME   488566.453 3754601.585 522.84
   LOCATION L0112135     VOLUME   488576.292 3754584.134 522.43
   LOCATION L0112136     VOLUME   488586.131 3754566.683 522.02
   LOCATION L0112137     VOLUME   488595.971 3754549.233 521.62
   LOCATION L0112138     VOLUME   488605.810 3754531.782 521.21
   LOCATION L0112139     VOLUME   488615.649 3754514.331 520.80
   LOCATION L0112140     VOLUME   488625.488 3754496.881 520.40
   LOCATION L0112141     VOLUME   488635.327 3754479.430 519.99
   LOCATION L0112142     VOLUME   488645.166 3754461.980 519.59
   LOCATION L0112143     VOLUME   488655.006 3754444.529 519.18
   LOCATION L0112144     VOLUME   488664.845 3754427.078 518.77
   LOCATION L0112145     VOLUME   488674.684 3754409.628 518.37
   LOCATION L0112146     VOLUME   488684.523 3754392.177 517.96
   LOCATION L0112147     VOLUME   488694.362 3754374.727 517.55
   LOCATION L0112148     VOLUME   488704.201 3754357.276 517.15
   LOCATION L0112149     VOLUME   488714.041 3754339.825 516.74
   LOCATION L0112150     VOLUME   488723.880 3754322.375 516.34
   LOCATION L0112151     VOLUME   488734.683 3754305.731 515.94
   LOCATION L0112152     VOLUME   488750.128 3754292.972 515.61
   LOCATION L0112153     VOLUME   488765.573 3754280.213 515.27
   LOCATION L0112154     VOLUME   488781.018 3754267.454 514.94
   LOCATION L0112155     VOLUME   488796.462 3754254.695 514.61
   LOCATION L0112156     VOLUME   488811.907 3754241.937 514.27
   LOCATION L0112157     VOLUME   488827.352 3754229.178 513.94
   LOCATION L0112158     VOLUME   488842.797 3754216.419 513.61
   LOCATION L0112159     VOLUME   488858.242 3754203.660 513.27
   LOCATION L0112160     VOLUME   488873.687 3754190.901 512.94
   LOCATION L0112161     VOLUME   488889.132 3754178.142 512.60
   LOCATION L0112162     VOLUME   488904.577 3754165.384 512.27
   LOCATION L0112163     VOLUME   488920.022 3754152.625 511.94
   LOCATION L0112164     VOLUME   488935.467 3754139.866 511.60
   LOCATION L0112165     VOLUME   488950.912 3754127.107 511.27
   LOCATION L0112166     VOLUME   488966.685 3754114.810 510.98
   LOCATION L0112167     VOLUME   488983.783 3754104.369 510.86
   LOCATION L0112168     VOLUME   489000.881 3754093.929 510.74
   LOCATION L0112169     VOLUME   489017.979 3754083.489 510.61
   LOCATION L0112170     VOLUME   489035.077 3754073.049 510.49
   LOCATION L0112171     VOLUME   489052.174 3754062.608 510.37
   LOCATION L0112172     VOLUME   489069.272 3754052.168 510.25
   LOCATION L0112173     VOLUME   489086.370 3754041.728 510.13
   LOCATION L0112174     VOLUME   489103.468 3754031.288 510.01
   LOCATION L0112175     VOLUME   489120.566 3754020.847 509.89
   LOCATION L0112176     VOLUME   489137.663 3754010.407 509.77
   LOCATION L0112177     VOLUME   489154.761 3753999.967 509.65
   LOCATION L0112178     VOLUME   489171.859 3753989.527 509.53
   LOCATION L0112179     VOLUME   489188.957 3753979.086 509.41
   LOCATION L0112180     VOLUME   489206.055 3753968.646 509.29
   LOCATION L0112181     VOLUME   489223.152 3753958.206 509.17
   LOCATION L0112182     VOLUME   489240.250 3753947.766 509.05
   LOCATION L0112183     VOLUME   489257.348 3753937.325 508.93
   LOCATION L0112184     VOLUME   489274.446 3753926.885 508.81
   LOCATION L0112185     VOLUME   489291.544 3753916.445 508.69
   LOCATION L0112186     VOLUME   489308.641 3753906.005 508.57
   LOCATION L0112187     VOLUME   489325.739 3753895.564 508.45
   LOCATION L0112188     VOLUME   489342.837 3753885.124 508.33
   LOCATION L0112189     VOLUME   489359.935 3753874.684 508.21
   LOCATION L0112190     VOLUME   489377.033 3753864.244 508.09
   LOCATION L0112191     VOLUME   489394.130 3753853.803 507.97
   LOCATION L0112192     VOLUME   489411.228 3753843.363 507.85
   LOCATION L0112193     VOLUME   489428.326 3753832.923 507.73
   LOCATION L0112194     VOLUME   489445.424 3753822.483 507.61
   LOCATION L0112195     VOLUME   489462.522 3753812.042 507.48
   LOCATION L0112196     VOLUME   489479.619 3753801.602 507.36
   LOCATION L0112197     VOLUME   489496.717 3753791.162 507.24
   LOCATION L0112198     VOLUME   489513.815 3753780.722 507.12
   LOCATION L0112199     VOLUME   489530.913 3753770.281 507.00
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   LOCATION L0112200     VOLUME   489548.011 3753759.841 506.88
   LOCATION L0112201     VOLUME   489565.108 3753749.401 506.76
   LOCATION L0112202     VOLUME   489582.206 3753738.961 506.64
   LOCATION L0112203     VOLUME   489599.304 3753728.520 506.52
   LOCATION L0112204     VOLUME   489616.402 3753718.080 506.40
   LOCATION L0112205     VOLUME   489633.500 3753707.640 506.28
   LOCATION L0112206     VOLUME   489650.597 3753697.200 506.16
   LOCATION L0112207     VOLUME   489667.695 3753686.759 506.04
   LOCATION L0112208     VOLUME   489684.793 3753676.319 505.92
   LOCATION L0112209     VOLUME   489701.891 3753665.879 505.80
   LOCATION L0112210     VOLUME   489718.988 3753655.439 505.68
   LOCATION L0112211     VOLUME   489736.086 3753644.998 505.56
   LOCATION L0112212     VOLUME   489753.184 3753634.558 505.44
   LOCATION L0112213     VOLUME   489770.282 3753624.118 505.32
   LOCATION L0112214     VOLUME   489787.380 3753613.678 505.20
   LOCATION L0112215     VOLUME   489804.477 3753603.238 505.08
   LOCATION L0112216     VOLUME   489821.575 3753592.797 504.96
   LOCATION L0112217     VOLUME   489838.673 3753582.357 504.84
   LOCATION L0112218     VOLUME   489855.771 3753571.917 504.72
   LOCATION L0112219     VOLUME   489872.869 3753561.477 504.60
   LOCATION L0112220     VOLUME   489889.966 3753551.036 504.48
   LOCATION L0112221     VOLUME   489907.064 3753540.596 504.35
   LOCATION L0112222     VOLUME   489924.162 3753530.156 504.23
   LOCATION L0112223     VOLUME   489941.260 3753519.716 504.11
   LOCATION L0112224     VOLUME   489958.358 3753509.275 503.99
   LOCATION L0112225     VOLUME   489975.455 3753498.835 503.87
   LOCATION L0112226     VOLUME   489992.553 3753488.395 503.75
   LOCATION L0112227     VOLUME   490009.651 3753477.955 503.63
   LOCATION L0112228     VOLUME   490026.749 3753467.514 503.51
   LOCATION L0112229     VOLUME   490043.847 3753457.074 503.39
   LOCATION L0112230     VOLUME   490060.944 3753446.634 503.27
   LOCATION L0112231     VOLUME   490078.042 3753436.194 503.15
   LOCATION L0112232     VOLUME   490095.140 3753425.753 503.03
** End of LINE VOLUME Source ID = SEGMENT30
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT31
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.653
** Elevated
** Vertical Dimension = 1.20
** SZINIT = 0.28
** Nodes = 3
** 490099.77, 3753444.85, 504.00, 1.20, 9.38
** 490652.78, 3753118.08, 492.00, 1.20, 9.38
** 491195.72, 3752374.04, 463.00, 1.20, 9.38
** ---------------------------------------------------------------------
   LOCATION L0112233     VOLUME   490104.122 3753442.284 503.91
   LOCATION L0112234     VOLUME   490121.489 3753432.021 503.53
   LOCATION L0112235     VOLUME   490138.857 3753421.758 503.15
   LOCATION L0112236     VOLUME   490156.224 3753411.496 502.78
   LOCATION L0112237     VOLUME   490173.592 3753401.233 502.40
   LOCATION L0112238     VOLUME   490190.959 3753390.971 502.02
   LOCATION L0112239     VOLUME   490208.326 3753380.708 501.64
   LOCATION L0112240     VOLUME   490225.694 3753370.446 501.27
   LOCATION L0112241     VOLUME   490243.061 3753360.183 500.89
   LOCATION L0112242     VOLUME   490260.428 3753349.921 500.51
   LOCATION L0112243     VOLUME   490277.796 3753339.658 500.14
   LOCATION L0112244     VOLUME   490295.163 3753329.396 499.76
   LOCATION L0112245     VOLUME   490312.530 3753319.133 499.38
   LOCATION L0112246     VOLUME   490329.898 3753308.871 499.01
   LOCATION L0112247     VOLUME   490347.265 3753298.608 498.63
   LOCATION L0112248     VOLUME   490364.633 3753288.345 498.25
   LOCATION L0112249     VOLUME   490382.000 3753278.083 497.88
   LOCATION L0112250     VOLUME   490399.367 3753267.820 497.50
   LOCATION L0112251     VOLUME   490416.735 3753257.558 497.12
   LOCATION L0112252     VOLUME   490434.102 3753247.295 496.75
   LOCATION L0112253     VOLUME   490451.469 3753237.033 496.37
   LOCATION L0112254     VOLUME   490468.837 3753226.770 495.99
   LOCATION L0112255     VOLUME   490486.204 3753216.508 495.61
   LOCATION L0112256     VOLUME   490503.572 3753206.245 495.24
   LOCATION L0112257     VOLUME   490520.939 3753195.983 494.86
   LOCATION L0112258     VOLUME   490538.306 3753185.720 494.48
   LOCATION L0112259     VOLUME   490555.674 3753175.458 494.11
   LOCATION L0112260     VOLUME   490573.041 3753165.195 493.73
   LOCATION L0112261     VOLUME   490590.408 3753154.933 493.35
   LOCATION L0112262     VOLUME   490607.776 3753144.670 492.98
   LOCATION L0112263     VOLUME   490625.143 3753134.407 492.60
   LOCATION L0112264     VOLUME   490642.510 3753124.145 492.22
   LOCATION L0112265     VOLUME   490657.639 3753111.415 491.74
   LOCATION L0112266     VOLUME   490669.530 3753095.120 491.11
   LOCATION L0112267     VOLUME   490681.421 3753078.825 490.47
   LOCATION L0112268     VOLUME   490693.313 3753062.529 489.83
   LOCATION L0112269     VOLUME   490705.204 3753046.234 489.20
   LOCATION L0112270     VOLUME   490717.095 3753029.938 488.56
   LOCATION L0112271     VOLUME   490728.986 3753013.643 487.93
   LOCATION L0112272     VOLUME   490740.878 3752997.347 487.29
   LOCATION L0112273     VOLUME   490752.769 3752981.052 486.66
   LOCATION L0112274     VOLUME   490764.660 3752964.756 486.02
   LOCATION L0112275     VOLUME   490776.552 3752948.461 485.39
   LOCATION L0112276     VOLUME   490788.443 3752932.165 484.75
   LOCATION L0112277     VOLUME   490800.334 3752915.870 484.12
   LOCATION L0112278     VOLUME   490812.225 3752899.574 483.48
   LOCATION L0112279     VOLUME   490824.117 3752883.279 482.85
   LOCATION L0112280     VOLUME   490836.008 3752866.983 482.21
   LOCATION L0112281     VOLUME   490847.899 3752850.688 481.58
   LOCATION L0112282     VOLUME   490859.791 3752834.392 480.94
   LOCATION L0112283     VOLUME   490871.682 3752818.097 480.31
   LOCATION L0112284     VOLUME   490883.573 3752801.802 479.67
   LOCATION L0112285     VOLUME   490895.464 3752785.506 479.04
   LOCATION L0112286     VOLUME   490907.356 3752769.211 478.40
   LOCATION L0112287     VOLUME   490919.247 3752752.915 477.77
   LOCATION L0112288     VOLUME   490931.138 3752736.620 477.13
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   LOCATION L0112289     VOLUME   490943.030 3752720.324 476.50
   LOCATION L0112290     VOLUME   490954.921 3752704.029 475.86
   LOCATION L0112291     VOLUME   490966.812 3752687.733 475.23
   LOCATION L0112292     VOLUME   490978.703 3752671.438 474.59
   LOCATION L0112293     VOLUME   490990.595 3752655.142 473.96
   LOCATION L0112294     VOLUME   491002.486 3752638.847 473.32
   LOCATION L0112295     VOLUME   491014.377 3752622.551 472.69
   LOCATION L0112296     VOLUME   491026.269 3752606.256 472.05
   LOCATION L0112297     VOLUME   491038.160 3752589.960 471.42
   LOCATION L0112298     VOLUME   491050.051 3752573.665 470.78
   LOCATION L0112299     VOLUME   491061.942 3752557.370 470.15
   LOCATION L0112300     VOLUME   491073.834 3752541.074 469.51
   LOCATION L0112301     VOLUME   491085.725 3752524.779 468.88
   LOCATION L0112302     VOLUME   491097.616 3752508.483 468.24
   LOCATION L0112303     VOLUME   491109.508 3752492.188 467.60
   LOCATION L0112304     VOLUME   491121.399 3752475.892 466.97
   LOCATION L0112305     VOLUME   491133.290 3752459.597 466.33
   LOCATION L0112306     VOLUME   491145.181 3752443.301 465.70
   LOCATION L0112307     VOLUME   491157.073 3752427.006 465.06
   LOCATION L0112308     VOLUME   491168.964 3752410.710 464.43
   LOCATION L0112309     VOLUME   491180.855 3752394.415 463.79
   LOCATION L0112310     VOLUME   491192.747 3752378.119 463.16
** End of LINE VOLUME Source ID = SEGMENT31
** Source Parameters **
   SRCPARAM PHASE1        4.52E-07     2.800        11
   AREAVERT PHASE1       485577.456 3755020.364 485551.904 3753432.305
   AREAVERT PHASE1       485926.464 3753427.753 485923.846 3753288.414
   AREAVERT PHASE1       486892.734 3753283.394 487138.721 3753248.253
   AREAVERT PHASE1       488479.099 3753223.153 488464.038 3754287.423
   AREAVERT PHASE1       488107.608 3754729.196 487153.781 3754759.316
   AREAVERT PHASE1       487138.721 3755010.324
** LINE VOLUME Source ID = SEGMENT01
   SRCPARAM L0112311     0.0293333333      1.70     27.35      0.40
   SRCPARAM L0112312     0.0293333333      1.70     27.35      0.40
   SRCPARAM L0112313     0.0293333333      1.70     27.35      0.40
   SRCPARAM L0112314     0.0293333333      1.70     27.35      0.40
   SRCPARAM L0112315     0.0293333333      1.70     27.35      0.40
   SRCPARAM L0112316     0.0293333333      1.70     27.35      0.40
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT02
   SRCPARAM L0111920        0.0285      1.70     30.03      0.40
   SRCPARAM L0111921        0.0285      1.70     30.03      0.40
   SRCPARAM L0111922        0.0285      1.70     30.03      0.40
   SRCPARAM L0111923        0.0285      1.70     30.03      0.40
   SRCPARAM L0111924        0.0285      1.70     30.03      0.40
   SRCPARAM L0111925        0.0285      1.70     30.03      0.40
   SRCPARAM L0111926        0.0285      1.70     30.03      0.40
   SRCPARAM L0111927        0.0285      1.70     30.03      0.40
   SRCPARAM L0111928        0.0285      1.70     30.03      0.40
   SRCPARAM L0111929        0.0285      1.70     30.03      0.40
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT03
   SRCPARAM L0110824     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110825     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110826     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110827     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110828     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110829     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110830     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110831     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110832     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110833     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110834     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110835     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110836     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110837     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110838     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110839     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110840     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110841     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110842     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110843     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110844     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110845     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110846     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110847     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110848     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110849     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110850     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110851     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110852     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110853     0.0093225806      1.70     18.01      0.40
   SRCPARAM L0110854     0.0093225806      1.70     18.01      0.40
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** LINE VOLUME Source ID = SEGMENT04
   SRCPARAM L0110855      0.003676      1.10     17.72      0.26
   SRCPARAM L0110856      0.003676      1.10     17.72      0.26
   SRCPARAM L0110857      0.003676      1.10     17.72      0.26
   SRCPARAM L0110858      0.003676      1.10     17.72      0.26
   SRCPARAM L0110859      0.003676      1.10     17.72      0.26
   SRCPARAM L0110860      0.003676      1.10     17.72      0.26
   SRCPARAM L0110861      0.003676      1.10     17.72      0.26
   SRCPARAM L0110862      0.003676      1.10     17.72      0.26
   SRCPARAM L0110863      0.003676      1.10     17.72      0.26
   SRCPARAM L0110864      0.003676      1.10     17.72      0.26
   SRCPARAM L0110865      0.003676      1.10     17.72      0.26
   SRCPARAM L0110866      0.003676      1.10     17.72      0.26
   SRCPARAM L0110867      0.003676      1.10     17.72      0.26
   SRCPARAM L0110868      0.003676      1.10     17.72      0.26
   SRCPARAM L0110869      0.003676      1.10     17.72      0.26
   SRCPARAM L0110870      0.003676      1.10     17.72      0.26
   SRCPARAM L0110871      0.003676      1.10     17.72      0.26
   SRCPARAM L0110872      0.003676      1.10     17.72      0.26
   SRCPARAM L0110873      0.003676      1.10     17.72      0.26
   SRCPARAM L0110874      0.003676      1.10     17.72      0.26
   SRCPARAM L0110875      0.003676      1.10     17.72      0.26
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   SRCPARAM L0110876      0.003676      1.10     17.72      0.26
   SRCPARAM L0110877      0.003676      1.10     17.72      0.26
   SRCPARAM L0110878      0.003676      1.10     17.72      0.26
   SRCPARAM L0110879      0.003676      1.10     17.72      0.26
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT05
   SRCPARAM L0111930     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111931     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111932     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111933     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111934     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111935     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111936     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111937     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111938     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111939     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111940     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111941     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111942     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111943     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111944     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111945     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111946     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111947     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111948     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111949     0.0069047619      1.10     24.05      0.26
   SRCPARAM L0111950     0.0069047619      1.10     24.05      0.26
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT06
   SRCPARAM L0111951     0.0124210526      1.40     29.19      0.33
   SRCPARAM L0111952     0.0124210526      1.40     29.19      0.33
   SRCPARAM L0111953     0.0124210526      1.40     29.19      0.33
   SRCPARAM L0111954     0.0124210526      1.40     29.19      0.33
   SRCPARAM L0111955     0.0124210526      1.40     29.19      0.33
   SRCPARAM L0111956     0.0124210526      1.40     29.19      0.33
   SRCPARAM L0111957     0.0124210526      1.40     29.19      0.33
   SRCPARAM L0111958     0.0124210526      1.40     29.19      0.33
   SRCPARAM L0111959     0.0124210526      1.40     29.19      0.33
   SRCPARAM L0111960     0.0124210526      1.40     29.19      0.33
   SRCPARAM L0111961     0.0124210526      1.40     29.19      0.33
   SRCPARAM L0111962     0.0124210526      1.40     29.19      0.33
   SRCPARAM L0111963     0.0124210526      1.40     29.19      0.33
   SRCPARAM L0111964     0.0124210526      1.40     29.19      0.33
   SRCPARAM L0111965     0.0124210526      1.40     29.19      0.33
   SRCPARAM L0111966     0.0124210526      1.40     29.19      0.33
   SRCPARAM L0111967     0.0124210526      1.40     29.19      0.33
   SRCPARAM L0111968     0.0124210526      1.40     29.19      0.33
   SRCPARAM L0111969     0.0124210526      1.40     29.19      0.33
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT07
   SRCPARAM L0110920            0.0      1.00     29.21      0.23
   SRCPARAM L0110921            0.0      1.00     29.21      0.23
   SRCPARAM L0110922            0.0      1.00     29.21      0.23
   SRCPARAM L0110923            0.0      1.00     29.21      0.23
   SRCPARAM L0110924            0.0      1.00     29.21      0.23
   SRCPARAM L0110925            0.0      1.00     29.21      0.23
   SRCPARAM L0110926            0.0      1.00     29.21      0.23
   SRCPARAM L0110927            0.0      1.00     29.21      0.23
   SRCPARAM L0110928            0.0      1.00     29.21      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT08
   SRCPARAM L0110929     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110930     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110931     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110932     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110933     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110934     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110935     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110936     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110937     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110938     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110939     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110940     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110941     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110942     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110943     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110944     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110945     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110946     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110947     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110948     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110949     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110950     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110951     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110952     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110953     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110954     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110955     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110956     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110957     0.0075666667      1.10     18.01      0.26
   SRCPARAM L0110958     0.0075666667      1.10     18.01      0.26
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT11
   SRCPARAM L0111970     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111971     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111972     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111973     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111974     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111975     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111976     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111977     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111978     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111979     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111980     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111981     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111982     0.0023861111      1.00     15.74      0.23
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   SRCPARAM L0111983     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111984     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111985     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111986     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111987     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111988     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111989     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111990     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111991     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111992     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111993     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111994     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111995     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111996     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111997     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111998     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0111999     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0112000     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0112001     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0112002     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0112003     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0112004     0.0023861111      1.00     15.74      0.23
   SRCPARAM L0112005     0.0023861111      1.00     15.74      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT12
   SRCPARAM L0112006       0.00548      1.00     15.63      0.23
   SRCPARAM L0112007       0.00548      1.00     15.63      0.23
   SRCPARAM L0112008       0.00548      1.00     15.63      0.23
   SRCPARAM L0112009       0.00548      1.00     15.63      0.23
   SRCPARAM L0112010       0.00548      1.00     15.63      0.23
   SRCPARAM L0112011       0.00548      1.00     15.63      0.23
   SRCPARAM L0112012       0.00548      1.00     15.63      0.23
   SRCPARAM L0112013       0.00548      1.00     15.63      0.23
   SRCPARAM L0112014       0.00548      1.00     15.63      0.23
   SRCPARAM L0112015       0.00548      1.00     15.63      0.23
   SRCPARAM L0112016       0.00548      1.00     15.63      0.23
   SRCPARAM L0112017       0.00548      1.00     15.63      0.23
   SRCPARAM L0112018       0.00548      1.00     15.63      0.23
   SRCPARAM L0112019       0.00548      1.00     15.63      0.23
   SRCPARAM L0112020       0.00548      1.00     15.63      0.23
   SRCPARAM L0112021       0.00548      1.00     15.63      0.23
   SRCPARAM L0112022       0.00548      1.00     15.63      0.23
   SRCPARAM L0112023       0.00548      1.00     15.63      0.23
   SRCPARAM L0112024       0.00548      1.00     15.63      0.23
   SRCPARAM L0112025       0.00548      1.00     15.63      0.23
   SRCPARAM L0112026       0.00548      1.00     15.63      0.23
   SRCPARAM L0112027       0.00548      1.00     15.63      0.23
   SRCPARAM L0112028       0.00548      1.00     15.63      0.23
   SRCPARAM L0112029       0.00548      1.00     15.63      0.23
   SRCPARAM L0112030       0.00548      1.00     15.63      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT14
   SRCPARAM L0111020           0.0      1.00     23.83      0.23
   SRCPARAM L0111021           0.0      1.00     23.83      0.23
   SRCPARAM L0111022           0.0      1.00     23.83      0.23
   SRCPARAM L0111023           0.0      1.00     23.83      0.23
   SRCPARAM L0111024           0.0      1.00     23.83      0.23
   SRCPARAM L0111025           0.0      1.00     23.83      0.23
   SRCPARAM L0111026           0.0      1.00     23.83      0.23
   SRCPARAM L0111027           0.0      1.00     23.83      0.23
   SRCPARAM L0111028           0.0      1.00     23.83      0.23
   SRCPARAM L0111029           0.0      1.00     23.83      0.23
   SRCPARAM L0111030           0.0      1.00     23.83      0.23
   SRCPARAM L0111031           0.0      1.00     23.83      0.23
   SRCPARAM L0111032           0.0      1.00     23.83      0.23
   SRCPARAM L0111033           0.0      1.00     23.83      0.23
   SRCPARAM L0111034           0.0      1.00     23.83      0.23
   SRCPARAM L0111035           0.0      1.00     23.83      0.23
   SRCPARAM L0111036           0.0      1.00     23.83      0.23
   SRCPARAM L0111037           0.0      1.00     23.83      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT15
   SRCPARAM L0112031     0.0075333333      2.10     23.51      0.49
   SRCPARAM L0112032     0.0075333333      2.10     23.51      0.49
   SRCPARAM L0112033     0.0075333333      2.10     23.51      0.49
   SRCPARAM L0112034     0.0075333333      2.10     23.51      0.49
   SRCPARAM L0112035     0.0075333333      2.10     23.51      0.49
   SRCPARAM L0112036     0.0075333333      2.10     23.51      0.49
   SRCPARAM L0112037     0.0075333333      2.10     23.51      0.49
   SRCPARAM L0112038     0.0075333333      2.10     23.51      0.49
   SRCPARAM L0112039     0.0075333333      2.10     23.51      0.49
   SRCPARAM L0112040     0.0075333333      2.10     23.51      0.49
   SRCPARAM L0112041     0.0075333333      2.10     23.51      0.49
   SRCPARAM L0112042     0.0075333333      2.10     23.51      0.49
   SRCPARAM L0112043     0.0075333333      2.10     23.51      0.49
   SRCPARAM L0112044     0.0075333333      2.10     23.51      0.49
   SRCPARAM L0112045     0.0075333333      2.10     23.51      0.49
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT18
   SRCPARAM L0111053           0.0      1.00     23.38      0.23
   SRCPARAM L0111054           0.0      1.00     23.38      0.23
   SRCPARAM L0111055           0.0      1.00     23.38      0.23
   SRCPARAM L0111056           0.0      1.00     23.38      0.23
   SRCPARAM L0111057           0.0      1.00     23.38      0.23
   SRCPARAM L0111058           0.0      1.00     23.38      0.23
   SRCPARAM L0111059           0.0      1.00     23.38      0.23
   SRCPARAM L0111060           0.0      1.00     23.38      0.23
   SRCPARAM L0111061           0.0      1.00     23.38      0.23
   SRCPARAM L0111062           0.0      1.00     23.38      0.23
   SRCPARAM L0111063           0.0      1.00     23.38      0.23
   SRCPARAM L0111064           0.0      1.00     23.38      0.23
   SRCPARAM L0111065           0.0      1.00     23.38      0.23
   SRCPARAM L0111066           0.0      1.00     23.38      0.23
   SRCPARAM L0111067           0.0      1.00     23.38      0.23
   SRCPARAM L0111068           0.0      1.00     23.38      0.23
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** LINE VOLUME Source ID = SEGMENT18A
   SRCPARAM L0111069          0.0      1.00     24.10      0.23
   SRCPARAM L0111070          0.0      1.00     24.10      0.23
   SRCPARAM L0111071          0.0      1.00     24.10      0.23
   SRCPARAM L0111072          0.0      1.00     24.10      0.23
   SRCPARAM L0111073          0.0      1.00     24.10      0.23
   SRCPARAM L0111074          0.0      1.00     24.10      0.23
   SRCPARAM L0111075          0.0      1.00     24.10      0.23
   SRCPARAM L0111076          0.0      1.00     24.10      0.23
   SRCPARAM L0111077          0.0      1.00     24.10      0.23
   SRCPARAM L0111078          0.0      1.00     24.10      0.23
   SRCPARAM L0111079          0.0      1.00     24.10      0.23
   SRCPARAM L0111080          0.0      1.00     24.10      0.23
   SRCPARAM L0111081          0.0      1.00     24.10      0.23
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT19
   SRCPARAM L0111082          0.0      1.00     17.64      0.23
   SRCPARAM L0111083          0.0      1.00     17.64      0.23
   SRCPARAM L0111084          0.0      1.00     17.64      0.23
   SRCPARAM L0111085          0.0      1.00     17.64      0.23
   SRCPARAM L0111086          0.0      1.00     17.64      0.23
   SRCPARAM L0111087          0.0      1.00     17.64      0.23
   SRCPARAM L0111088          0.0      1.00     17.64      0.23
   SRCPARAM L0111089          0.0      1.00     17.64      0.23
   SRCPARAM L0111090          0.0      1.00     17.64      0.23
   SRCPARAM L0111091          0.0      1.00     17.64      0.23
   SRCPARAM L0111092          0.0      1.00     17.64      0.23
   SRCPARAM L0111093          0.0      1.00     17.64      0.23
   SRCPARAM L0111094          0.0      1.00     17.64      0.23
   SRCPARAM L0111095          0.0      1.00     17.64      0.23
   SRCPARAM L0111096          0.0      1.00     17.64      0.23
   SRCPARAM L0111097          0.0      1.00     17.64      0.23
   SRCPARAM L0111098          0.0      1.00     17.64      0.23
   SRCPARAM L0111099          0.0      1.00     17.64      0.23
   SRCPARAM L0111100          0.0      1.00     17.64      0.23
   SRCPARAM L0111101          0.0      1.00     17.64      0.23
   SRCPARAM L0111102          0.0      1.00     17.64      0.23
   SRCPARAM L0111103          0.0      1.00     17.64      0.23
   SRCPARAM L0111104          0.0      1.00     17.64      0.23
   SRCPARAM L0111105          0.0      1.00     17.64      0.23
   SRCPARAM L0111106          0.0      1.00     17.64      0.23
   SRCPARAM L0111107          0.0      1.00     17.64      0.23
   SRCPARAM L0111108          0.0      1.00     17.64      0.23
   SRCPARAM L0111109          0.0      1.00     17.64      0.23
   SRCPARAM L0111110          0.0      1.00     17.64      0.23
   SRCPARAM L0111111          0.0      1.00     17.64      0.23
   SRCPARAM L0111112          0.0      1.00     17.64      0.23
   SRCPARAM L0111113          0.0      1.00     17.64      0.23
   SRCPARAM L0111114          0.0      1.00     17.64      0.23
   SRCPARAM L0111115          0.0      1.00     17.64      0.23
   SRCPARAM L0111116          0.0      1.00     17.64      0.23
   SRCPARAM L0111117          0.0      1.00     17.64      0.23
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT20
   SRCPARAM L0111118          0.0      1.00     18.04      0.23
   SRCPARAM L0111119          0.0      1.00     18.04      0.23
   SRCPARAM L0111120          0.0      1.00     18.04      0.23
   SRCPARAM L0111121          0.0      1.00     18.04      0.23
   SRCPARAM L0111122          0.0      1.00     18.04      0.23
   SRCPARAM L0111123          0.0      1.00     18.04      0.23
   SRCPARAM L0111124          0.0      1.00     18.04      0.23
   SRCPARAM L0111125          0.0      1.00     18.04      0.23
   SRCPARAM L0111126          0.0      1.00     18.04      0.23
   SRCPARAM L0111127          0.0      1.00     18.04      0.23
   SRCPARAM L0111128          0.0      1.00     18.04      0.23
   SRCPARAM L0111129          0.0      1.00     18.04      0.23
   SRCPARAM L0111130          0.0      1.00     18.04      0.23
   SRCPARAM L0111131          0.0      1.00     18.04      0.23
   SRCPARAM L0111132          0.0      1.00     18.04      0.23
   SRCPARAM L0111133          0.0      1.00     18.04      0.23
   SRCPARAM L0111134          0.0      1.00     18.04      0.23
   SRCPARAM L0111135          0.0      1.00     18.04      0.23
   SRCPARAM L0111136          0.0      1.00     18.04      0.23
   SRCPARAM L0111137          0.0      1.00     18.04      0.23
   SRCPARAM L0111138          0.0      1.00     18.04      0.23
   SRCPARAM L0111139          0.0      1.00     18.04      0.23
   SRCPARAM L0111140          0.0      1.00     18.04      0.23
   SRCPARAM L0111141          0.0      1.00     18.04      0.23
   SRCPARAM L0111142          0.0      1.00     18.04      0.23
   SRCPARAM L0111143          0.0      1.00     18.04      0.23
   SRCPARAM L0111144          0.0      1.00     18.04      0.23
   SRCPARAM L0111145          0.0      1.00     18.04      0.23
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT21
   SRCPARAM L0112046     0.0085714286      1.20     22.81      0.28
   SRCPARAM L0112047     0.0085714286      1.20     22.81      0.28
   SRCPARAM L0112048     0.0085714286      1.20     22.81      0.28
   SRCPARAM L0112049     0.0085714286      1.20     22.81      0.28
   SRCPARAM L0112050     0.0085714286      1.20     22.81      0.28
   SRCPARAM L0112051     0.0085714286      1.20     22.81      0.28
   SRCPARAM L0112052     0.0085714286      1.20     22.81      0.28
   SRCPARAM L0112053     0.0085714286      1.20     22.81      0.28
   SRCPARAM L0112054     0.0085714286      1.20     22.81      0.28
   SRCPARAM L0112055     0.0085714286      1.20     22.81      0.28
   SRCPARAM L0112056     0.0085714286      1.20     22.81      0.28
   SRCPARAM L0112057     0.0085714286      1.20     22.81      0.28
   SRCPARAM L0112058     0.0085714286      1.20     22.81      0.28
   SRCPARAM L0112059     0.0085714286      1.20     22.81      0.28
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT22
   SRCPARAM L0111160     0.0049214286      1.10     24.24      0.26
   SRCPARAM L0111161     0.0049214286      1.10     24.24      0.26
   SRCPARAM L0111162     0.0049214286      1.10     24.24      0.26
   SRCPARAM L0111163     0.0049214286      1.10     24.24      0.26
   SRCPARAM L0111164     0.0049214286      1.10     24.24      0.26
   SRCPARAM L0111165     0.0049214286      1.10     24.24      0.26
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   SRCPARAM L0111166     0.0049214286      1.10     24.24      0.26
   SRCPARAM L0111167     0.0049214286      1.10     24.24      0.26
   SRCPARAM L0111168     0.0049214286      1.10     24.24      0.26
   SRCPARAM L0111169     0.0049214286      1.10     24.24      0.26
   SRCPARAM L0111170     0.0049214286      1.10     24.24      0.26
   SRCPARAM L0111171     0.0049214286      1.10     24.24      0.26
   SRCPARAM L0111172     0.0049214286      1.10     24.24      0.26
   SRCPARAM L0111173     0.0049214286      1.10     24.24      0.26
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT23
   SRCPARAM L0111651     0.0000675      1.90     18.10      0.44
   SRCPARAM L0111652     0.0000675      1.90     18.10      0.44
   SRCPARAM L0111653     0.0000675      1.90     18.10      0.44
   SRCPARAM L0111654     0.0000675      1.90     18.10      0.44
   SRCPARAM L0111655     0.0000675      1.90     18.10      0.44
   SRCPARAM L0111656     0.0000675      1.90     18.10      0.44
   SRCPARAM L0111657     0.0000675      1.90     18.10      0.44
   SRCPARAM L0111658     0.0000675      1.90     18.10      0.44
   SRCPARAM L0111659     0.0000675      1.90     18.10      0.44
   SRCPARAM L0111660     0.0000675      1.90     18.10      0.44
   SRCPARAM L0111661     0.0000675      1.90     18.10      0.44
   SRCPARAM L0111662     0.0000675      1.90     18.10      0.44
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT24
   SRCPARAM L0112060     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112061     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112062     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112063     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112064     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112065     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112066     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112067     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112068     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112069     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112070     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112071     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112072     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112073     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112074     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112075     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112076     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112077     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112078     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112079     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112080     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112081     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112082     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112083     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112084     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112085     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112086     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112087     0.0023413793      1.20     23.53      0.28
   SRCPARAM L0112088     0.0023413793      1.20     23.53      0.28
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT25
   SRCPARAM L0112089     0.0040333333      1.10     22.24      0.26
   SRCPARAM L0112090     0.0040333333      1.10     22.24      0.26
   SRCPARAM L0112091     0.0040333333      1.10     22.24      0.26
   SRCPARAM L0112092     0.0040333333      1.10     22.24      0.26
   SRCPARAM L0112093     0.0040333333      1.10     22.24      0.26
   SRCPARAM L0112094     0.0040333333      1.10     22.24      0.26
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT26
   SRCPARAM L0111221           0.0      1.00     15.51      0.23
   SRCPARAM L0111222           0.0      1.00     15.51      0.23
   SRCPARAM L0111223           0.0      1.00     15.51      0.23
   SRCPARAM L0111224           0.0      1.00     15.51      0.23
   SRCPARAM L0111225           0.0      1.00     15.51      0.23
   SRCPARAM L0111226           0.0      1.00     15.51      0.23
   SRCPARAM L0111227           0.0      1.00     15.51      0.23
   SRCPARAM L0111228           0.0      1.00     15.51      0.23
   SRCPARAM L0111229           0.0      1.00     15.51      0.23
   SRCPARAM L0111230           0.0      1.00     15.51      0.23
   SRCPARAM L0111231           0.0      1.00     15.51      0.23
   SRCPARAM L0111232           0.0      1.00     15.51      0.23
   SRCPARAM L0111233           0.0      1.00     15.51      0.23
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT27
   SRCPARAM L0111234           0.0      1.00     15.35      0.23
   SRCPARAM L0111235           0.0      1.00     15.35      0.23
   SRCPARAM L0111236           0.0      1.00     15.35      0.23
   SRCPARAM L0111237           0.0      1.00     15.35      0.23
   SRCPARAM L0111238           0.0      1.00     15.35      0.23
   SRCPARAM L0111239           0.0      1.00     15.35      0.23
   SRCPARAM L0111240           0.0      1.00     15.35      0.23
   SRCPARAM L0111241           0.0      1.00     15.35      0.23
   SRCPARAM L0111242           0.0      1.00     15.35      0.23
   SRCPARAM L0111243           0.0      1.00     15.35      0.23
   SRCPARAM L0111244           0.0      1.00     15.35      0.23
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT28
   SRCPARAM L0111245           0.0      1.00     15.60      0.23
   SRCPARAM L0111246           0.0      1.00     15.60      0.23
   SRCPARAM L0111247           0.0      1.00     15.60      0.23
   SRCPARAM L0111248           0.0      1.00     15.60      0.23
   SRCPARAM L0111249           0.0      1.00     15.60      0.23
   SRCPARAM L0111250           0.0      1.00     15.60      0.23
   SRCPARAM L0111251           0.0      1.00     15.60      0.23
   SRCPARAM L0111252           0.0      1.00     15.60      0.23
   SRCPARAM L0111253           0.0      1.00     15.60      0.23
   SRCPARAM L0111254           0.0      1.00     15.60      0.23
   SRCPARAM L0111255           0.0      1.00     15.60      0.23
   SRCPARAM L0111256           0.0      1.00     15.60      0.23
   SRCPARAM L0111257           0.0      1.00     15.60      0.23
   SRCPARAM L0111258           0.0      1.00     15.60      0.23
   SRCPARAM L0111259           0.0      1.00     15.60      0.23
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   SRCPARAM L0111260          0.0      1.00     15.60      0.23
   SRCPARAM L0111261          0.0      1.00     15.60      0.23
   SRCPARAM L0111262          0.0      1.00     15.60      0.23
   SRCPARAM L0111263          0.0      1.00     15.60      0.23
   SRCPARAM L0111264          0.0      1.00     15.60      0.23
   SRCPARAM L0111265          0.0      1.00     15.60      0.23
   SRCPARAM L0111266          0.0      1.00     15.60      0.23
   SRCPARAM L0111267          0.0      1.00     15.60      0.23
   SRCPARAM L0111268          0.0      1.00     15.60      0.23
   SRCPARAM L0111269          0.0      1.00     15.60      0.23
   SRCPARAM L0111270          0.0      1.00     15.60      0.23
   SRCPARAM L0111271          0.0      1.00     15.60      0.23
   SRCPARAM L0111272          0.0      1.00     15.60      0.23
   SRCPARAM L0111273          0.0      1.00     15.60      0.23
   SRCPARAM L0111274          0.0      1.00     15.60      0.23
   SRCPARAM L0111275          0.0      1.00     15.60      0.23
   SRCPARAM L0111276          0.0      1.00     15.60      0.23
   SRCPARAM L0111277          0.0      1.00     15.60      0.23
   SRCPARAM L0111278          0.0      1.00     15.60      0.23
   SRCPARAM L0111279          0.0      1.00     15.60      0.23
   SRCPARAM L0111280          0.0      1.00     15.60      0.23
   SRCPARAM L0111281          0.0      1.00     15.60      0.23
   SRCPARAM L0111282          0.0      1.00     15.60      0.23
   SRCPARAM L0111283          0.0      1.00     15.60      0.23
   SRCPARAM L0111284          0.0      1.00     15.60      0.23
   SRCPARAM L0111285          0.0      1.00     15.60      0.23
   SRCPARAM L0111286          0.0      1.00     15.60      0.23
   SRCPARAM L0111287          0.0      1.00     15.60      0.23
   SRCPARAM L0111288          0.0      1.00     15.60      0.23
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT29
   SRCPARAM L0112095     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112096     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112097     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112098     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112099     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112100     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112101     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112102     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112103     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112104     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112105     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112106     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112107     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112108     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112109     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112110     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112111     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112112     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112113     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112114     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112115     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112116     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112117     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112118     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112119     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112120     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112121     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112122     0.0056551724      1.00      9.20      0.23
   SRCPARAM L0112123     0.0056551724      1.00      9.20      0.23
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT30
   SRCPARAM L0112124     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112125     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112126     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112127     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112128     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112129     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112130     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112131     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112132     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112133     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112134     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112135     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112136     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112137     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112138     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112139     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112140     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112141     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112142     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112143     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112144     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112145     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112146     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112147     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112148     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112149     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112150     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112151     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112152     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112153     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112154     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112155     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112156     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112157     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112158     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112159     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112160     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112161     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112162     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112163     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112164     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112165     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112166     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112167     0.0057981651      1.00      9.32      0.23
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   SRCPARAM L0112168     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112169     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112170     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112171     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112172     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112173     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112174     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112175     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112176     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112177     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112178     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112179     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112180     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112181     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112182     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112183     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112184     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112185     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112186     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112187     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112188     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112189     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112190     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112191     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112192     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112193     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112194     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112195     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112196     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112197     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112198     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112199     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112200     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112201     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112202     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112203     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112204     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112205     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112206     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112207     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112208     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112209     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112210     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112211     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112212     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112213     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112214     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112215     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112216     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112217     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112218     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112219     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112220     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112221     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112222     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112223     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112224     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112225     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112226     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112227     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112228     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112229     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112230     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112231     0.0057981651      1.00      9.32      0.23
   SRCPARAM L0112232     0.0057981651      1.00      9.32      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT31
   SRCPARAM L0112233     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112234     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112235     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112236     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112237     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112238     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112239     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112240     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112241     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112242     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112243     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112244     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112245     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112246     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112247     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112248     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112249     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112250     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112251     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112252     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112253     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112254     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112255     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112256     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112257     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112258     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112259     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112260     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112261     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112262     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112263     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112264     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112265     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112266     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112267     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112268     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112269     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112270     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112271     0.0083717949      1.20      9.38      0.28
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   SRCPARAM L0112272     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112273     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112274     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112275     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112276     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112277     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112278     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112279     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112280     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112281     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112282     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112283     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112284     0.0083717949      1.20      9.38      0.28
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   SRCPARAM L0112286     0.0083717949      1.20      9.38      0.28
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   SRCPARAM L0112289     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112290     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112291     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112292     0.0083717949      1.20      9.38      0.28
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   SRCPARAM L0112294     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112295     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112296     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112297     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112298     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112299     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112300     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112301     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112302     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112303     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112304     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112305     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112306     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112307     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112308     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112309     0.0083717949      1.20      9.38      0.28
   SRCPARAM L0112310     0.0083717949      1.20      9.38      0.28
** ---------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED LST_CO_REV3_NR_REV1.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE RIVR2.SFC
   PROFFILE RIVR2.PFL
   SURFDATA 00002 2005
   UAIRDATA 3190 2005
   PROFBASE 250.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST LST_CO_REV3_NR_REV1.AD\01H1GALL.PLT 31
   PLOTFILE 8 ALL 1ST LST_CO_REV3_NR_REV1.AD\08H1GALL.PLT 32
   SUMMFILE LST_CO_REV3_NR_REV1.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of          189 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 SO W320    1322  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1323  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1324  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1325  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1326  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1327  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1328  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1329  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1330  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1430  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1431  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1432  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1433  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1434  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1438  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1439  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1440  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1441  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1442  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1443  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1444  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1445  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1446  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1447  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1467  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1470  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1471  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1472  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1473  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1562  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
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SO W320    1721  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1722  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1723  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1724  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
ME W530    1972 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

************************************
*** SETUP Finishes Successfully ***
************************************

♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                    *** CO (No Refrigeration)                                                 ***        15:38:45
                                                                                                                         PAGE   1
**MODELOPTs:  NonDFAULT CONC                                                    ELEV
                        FASTALL

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - -
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```
**Other Options Specified:
        FASTALL  - Use effective sigma-y to optimize meander for
                   POINT and VOLUME sources, and hybrid approach
                   to optimize AREA sources (formerly TOXICS option)

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates  2 Short Term Average(s) of:   1-HR   8-HR

**This Run Includes:    698 Source(s);       1 Source Group(s); and    1705 Receptor(s)

**The Model Assumes A Pollutant Type of:  CO

**Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   250.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      4.2 MB of RAM.

**Detailed Error/Message File:   LST_CO_REV3_NR_REV1.err
**File for Summary of Results:   LST_CO_REV3_NR_REV1.sum
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                    *** CO (No Refrigeration)                                                ***        15:38:45
                                                                                                                        PAGE   2
**MODELOPTs:  NonDFAULT CONC                                                    ELEV
                        FASTALL


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.   URBAN  EMISSION RATE
  SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ     SOURCE  SCALAR VARY
    ID         CATS.                (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)             BY
- - - -
```

L0110853	0	0.93226E-02	486030.1	3754341.3	509.3	1.70	18.01	0.40	YES
L0110854	0	0.93226E-02	486012.8	3754306.6	509.9	1.70	18.01	0.40	YES
L0110855	0	0.36760E-02	486005.7	3754293.4	510.6	1.10	17.72	0.26	YES
L0110856	0	0.36760E-02	486005.3	3754255.3	509.5	1.10	17.72	0.26	YES
L0110857	0	0.36760E-02	486004.9	3754217.2	507.6	1.10	17.72	0.26	YES
L0110858	0	0.36760E-02	486004.6	3754179.1	507.9	1.10	17.72	0.26	YES
L0110859	0	0.36760E-02	486004.2	3754141.1	508.0	1.10	17.72	0.26	YES
L0110860	0	0.36760E-02	486003.8	3754103.0	506.8	1.10	17.72	0.26	YES
L0110861	0	0.36760E-02	486003.4	3754064.9	506.3	1.10	17.72	0.26	YES
L0110862	0	0.36760E-02	486003.1	3754026.8	505.2	1.10	17.72	0.26	YES
L0110863	0	0.36760E-02	486002.7	3753988.7	505.0	1.10	17.72	0.26	YES
L0110864	0	0.36760E-02	486002.3	3753950.6	504.1	1.10	17.72	0.26	YES
L0110865	0	0.36760E-02	486001.9	3753912.5	503.4	1.10	17.72	0.26	YES
L0110866	0	0.36760E-02	486001.5	3753874.4	502.2	1.10	17.72	0.26	YES
L0110867	0	0.36760E-02	486001.2	3753836.3	500.9	1.10	17.72	0.26	YES
L0110868	0	0.36760E-02	486000.8	3753798.2	499.6	1.10	17.72	0.26	YES
L0110869	0	0.36760E-02	486000.4	3753760.2	499.7	1.10	17.72	0.26	YES
L0110870	0	0.36760E-02	486000.0	3753722.1	501.9	1.10	17.72	0.26	YES
L0110871	0	0.36760E-02	485999.6	3753684.0	501.6	1.10	17.72	0.26	YES
L0110872	0	0.36760E-02	485999.3	3753645.9	499.0	1.10	17.72	0.26	YES
L0110873	0	0.36760E-02	485998.9	3753607.8	496.5	1.10	17.72	0.26	YES
L0110874	0	0.36760E-02	485998.5	3753569.7	496.0	1.10	17.72	0.26	YES
L0110875	0	0.36760E-02	485998.1	3753531.6	496.5	1.10	17.72	0.26	YES
L0110876	0	0.36760E-02	486006.9	3753496.0	495.3	1.10	17.72	0.26	YES
L0110877	0	0.36760E-02	486026.7	3753463.5	492.8	1.10	17.72	0.26	YES
L0110878	0	0.36760E-02	486046.5	3753431.0	491.4	1.10	17.72	0.26	YES
L0110879	0	0.36760E-02	486066.3	3753398.4	492.3	1.10	17.72	0.26	YES
L0111930	0	0.69048E-02	486083.6	3753385.4	494.2	1.10	24.05	0.26	YES
L0111931	0	0.69048E-02	486132.0	3753367.1	494.8	1.10	24.05	0.26	YES
L0111932	0	0.69048E-02	486182.6	3753360.8	495.1	1.10	24.05	0.26	YES
L0111933	0	0.69048E-02	486234.3	3753360.1	495.2	1.10	24.05	0.26	YES
L0111934	0	0.69048E-02	486286.0	3753359.4	495.2	1.10	24.05	0.26	YES
L0111935	0	0.69048E-02	486337.7	3753358.7	495.3	1.10	24.05	0.26	YES
L0111936	0	0.69048E-02	486389.4	3753358.0	495.4	1.10	24.05	0.26	YES
L0111937	0	0.69048E-02	486441.1	3753357.4	495.5	1.10	24.05	0.26	YES

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111938	0	0.69048E-02	486492.9	3753356.7	495.6	1.10	24.05	0.26	YES	
L0111939	0	0.69048E-02	486544.6	3753356.0	495.7	1.10	24.05	0.26	YES	
L0111940	0	0.69048E-02	486596.3	3753355.3	495.8	1.10	24.05	0.26	YES	
L0111941	0	0.69048E-02	486648.0	3753354.6	495.8	1.10	24.05	0.26	YES	
L0111942	0	0.69048E-02	486699.7	3753353.9	495.9	1.10	24.05	0.26	YES	
L0111943	0	0.69048E-02	486751.2	3753351.7	495.9	1.10	24.05	0.26	YES	
L0111944	0	0.69048E-02	486801.8	3753341.0	495.1	1.10	24.05	0.26	YES	
L0111945	0	0.69048E-02	486852.4	3753330.4	494.2	1.10	24.05	0.26	YES	
L0111946	0	0.69048E-02	486903.0	3753319.8	493.4	1.10	24.05	0.26	YES	
L0111947	0	0.69048E-02	486953.6	3753309.2	492.6	1.10	24.05	0.26	YES	
L0111948	0	0.69048E-02	487004.2	3753298.6	491.8	1.10	24.05	0.26	YES	
L0111949	0	0.69048E-02	487054.8	3753288.0	491.0	1.10	24.05	0.26	YES	
L0111950	0	0.69048E-02	487105.5	3753277.3	490.2	1.10	24.05	0.26	YES	
L0111951	0	0.12421E-01	487123.3	3754433.6	511.7	1.40	29.19	0.33	YES	
L0111952	0	0.12421E-01	487122.3	3754370.9	510.5	1.40	29.19	0.33	YES	
L0111953	0	0.12421E-01	487121.3	3754308.1	509.3	1.40	29.19	0.33	YES	
L0111954	0	0.12421E-01	487120.3	3754245.4	508.1	1.40	29.19	0.33	YES	
L0111955	0	0.12421E-01	487119.3	3754182.7	506.9	1.40	29.19	0.33	YES	
L0111956	0	0.12421E-01	487118.3	3754119.9	505.8	1.40	29.19	0.33	YES	
L0111957	0	0.12421E-01	487117.3	3754057.2	504.6	1.40	29.19	0.33	YES	
L0111958	0	0.12421E-01	487116.3	3753994.4	503.4	1.40	29.19	0.33	YES	
L0111959	0	0.12421E-01	487115.3	3753931.7	502.2	1.40	29.19	0.33	YES	
L0111960	0	0.12421E-01	487114.3	3753868.9	501.0	1.40	29.19	0.33	YES	
L0111961	0	0.12421E-01	487113.4	3753806.2	499.8	1.40	29.19	0.33	YES	
L0111962	0	0.12421E-01	487112.4	3753743.4	498.6	1.40	29.19	0.33	YES	
L0111963	0	0.12421E-01	487111.4	3753680.7	497.4	1.40	29.19	0.33	YES	
L0111964	0	0.12421E-01	487110.4	3753618.0	496.2	1.40	29.19	0.33	YES	
L0111965	0	0.12421E-01	487109.4	3753555.2	495.1	1.40	29.19	0.33	YES	
L0111966	0	0.12421E-01	487108.4	3753492.5	493.9	1.40	29.19	0.33	YES	
L0111967	0	0.12421E-01	487107.4	3753429.7	492.7	1.40	29.19	0.33	YES	
L0111968	0	0.12421E-01	487106.4	3753367.0	491.5	1.40	29.19	0.33	YES	
L0111969	0	0.12421E-01	487105.4	3753304.2	490.3	1.40	29.19	0.33	YES	
L0110920	0	0.00000E+00	487102.6	3753284.4	489.2	1.00	29.21	0.23	YES	
L0110921	0	0.00000E+00	487102.9	3753221.6	489.6	1.00	29.21	0.23	YES	
L0110922	0	0.00000E+00	487103.2	3753158.8	486.8	1.00	29.21	0.23	YES	
L0110923	0	0.00000E+00	487103.5	3753096.1	485.8	1.00	29.21	0.23	YES	
L0110924	0	0.00000E+00	487103.8	3753033.3	485.0	1.00	29.21	0.23	YES	
L0110925	0	0.00000E+00	487104.2	3752970.5	487.0	1.00	29.21	0.23	YES	
L0110926	0	0.00000E+00	487104.5	3752907.7	484.9	1.00	29.21	0.23	YES	
L0110927	0	0.00000E+00	487104.8	3752844.9	483.2	1.00	29.21	0.23	YES	

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0110928	0	0.00000E+00	487105.1	3752782.1	483.7	1.00	29.21	0.23	YES	
L0110929	0	0.75667E-02	486069.9	3753383.9	492.7	1.10	18.01	0.26	YES	
L0110930	0	0.75667E-02	486053.5	3753348.8	491.3	1.10	18.01	0.26	YES	

L0110931	0	0.75667E-02	486037.1	3753313.7	490.5	1.10	18.01	0.26	YES
L0110932	0	0.75667E-02	486020.7	3753278.6	490.3	1.10	18.01	0.26	YES
L0110933	0	0.75667E-02	486004.3	3753243.5	490.0	1.10	18.01	0.26	YES
L0110934	0	0.75667E-02	485987.9	3753208.5	489.6	1.10	18.01	0.26	YES
L0110935	0	0.75667E-02	485979.1	3753171.6	489.0	1.10	18.01	0.26	YES
L0110936	0	0.75667E-02	485978.3	3753132.9	488.1	1.10	18.01	0.26	YES
L0110937	0	0.75667E-02	485977.4	3753094.2	488.2	1.10	18.01	0.26	YES
L0110938	0	0.75667E-02	485976.6	3753055.4	489.4	1.10	18.01	0.26	YES
L0110939	0	0.75667E-02	485975.7	3753016.7	490.1	1.10	18.01	0.26	YES
L0110940	0	0.75667E-02	485974.9	3752978.0	490.0	1.10	18.01	0.26	YES
L0110941	0	0.75667E-02	485974.0	3752939.3	489.0	1.10	18.01	0.26	YES
L0110942	0	0.75667E-02	485973.2	3752900.6	489.0	1.10	18.01	0.26	YES
L0110943	0	0.75667E-02	485972.3	3752861.8	489.0	1.10	18.01	0.26	YES
L0110944	0	0.75667E-02	485971.5	3752823.1	489.0	1.10	18.01	0.26	YES
L0110945	0	0.75667E-02	485970.6	3752784.4	488.8	1.10	18.01	0.26	YES
L0110946	0	0.75667E-02	485969.8	3752745.7	487.0	1.10	18.01	0.26	YES
L0110947	0	0.75667E-02	485968.9	3752707.0	485.2	1.10	18.01	0.26	YES
L0110948	0	0.75667E-02	485968.1	3752668.2	486.2	1.10	18.01	0.26	YES
L0110949	0	0.75667E-02	485967.2	3752629.5	488.8	1.10	18.01	0.26	YES
L0110950	0	0.75667E-02	485966.4	3752590.8	490.1	1.10	18.01	0.26	YES
L0110951	0	0.75667E-02	485965.5	3752552.1	495.2	1.10	18.01	0.26	YES
L0110952	0	0.75667E-02	485964.7	3752513.4	496.4	1.10	18.01	0.26	YES
L0110953	0	0.75667E-02	485963.8	3752474.7	496.1	1.10	18.01	0.26	YES
L0110954	0	0.75667E-02	485963.0	3752435.9	496.4	1.10	18.01	0.26	YES
L0110955	0	0.75667E-02	485962.1	3752397.2	498.8	1.10	18.01	0.26	YES
L0110956	0	0.75667E-02	485961.3	3752358.5	500.1	1.10	18.01	0.26	YES
L0110957	0	0.75667E-02	485960.4	3752319.8	500.7	1.10	18.01	0.26	YES
L0110958	0	0.75667E-02	485959.6	3752281.1	501.9	1.10	18.01	0.26	YES
L0111970	0	0.23861E-02	485510.8	3754267.3	514.8	1.00	15.74	0.23	YES
L0111971	0	0.23861E-02	485510.8	3754233.4	514.3	1.00	15.74	0.23	YES
L0111972	0	0.23861E-02	485510.8	3754199.6	513.7	1.00	15.74	0.23	YES
L0111973	0	0.23861E-02	485510.7	3754165.8	513.1	1.00	15.74	0.23	YES
L0111974	0	0.23861E-02	485510.7	3754131.9	512.5	1.00	15.74	0.23	YES
L0111975	0	0.23861E-02	485510.7	3754098.1	511.9	1.00	15.74	0.23	YES
L0111976	0	0.23861E-02	485510.6	3754064.2	511.3	1.00	15.74	0.23	YES
L0111977	0	0.23861E-02	485510.6	3754030.4	510.7	1.00	15.74	0.23	YES
L0111978	0	0.23861E-02	485510.5	3753996.6	510.1	1.00	15.74	0.23	YES

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L0111979	0	0.23861E-02	485510.5	3753962.7	509.5	1.00	15.74	0.23	YES	
L0111980	0	0.23861E-02	485510.5	3753928.9	508.9	1.00	15.74	0.23	YES	
L0111981	0	0.23861E-02	485510.4	3753895.1	508.3	1.00	15.74	0.23	YES	
L0111982	0	0.23861E-02	485510.4	3753861.2	507.8	1.00	15.74	0.23	YES	
L0111983	0	0.23861E-02	485510.4	3753827.4	507.2	1.00	15.74	0.23	YES	
L0111984	0	0.23861E-02	485510.3	3753793.6	506.6	1.00	15.74	0.23	YES	
L0111985	0	0.23861E-02	485510.3	3753759.7	506.0	1.00	15.74	0.23	YES	
L0111986	0	0.23861E-02	485510.3	3753725.9	505.4	1.00	15.74	0.23	YES	
L0111987	0	0.23861E-02	485510.2	3753692.0	504.8	1.00	15.74	0.23	YES	
L0111988	0	0.23861E-02	485510.2	3753658.2	504.2	1.00	15.74	0.23	YES	
L0111989	0	0.23861E-02	485510.1	3753624.4	503.6	1.00	15.74	0.23	YES	
L0111990	0	0.23861E-02	485510.1	3753590.5	503.0	1.00	15.74	0.23	YES	
L0111991	0	0.23861E-02	485510.1	3753556.7	502.4	1.00	15.74	0.23	YES	
L0111992	0	0.23861E-02	485510.0	3753522.9	501.8	1.00	15.74	0.23	YES	
L0111993	0	0.23861E-02	485510.0	3753489.0	501.2	1.00	15.74	0.23	YES	
L0111994	0	0.23861E-02	485510.0	3753455.2	500.7	1.00	15.74	0.23	YES	
L0111995	0	0.23861E-02	485509.9	3753421.4	500.1	1.00	15.74	0.23	YES	
L0111996	0	0.23861E-02	485509.9	3753387.5	499.5	1.00	15.74	0.23	YES	
L0111997	0	0.23861E-02	485509.8	3753353.7	498.9	1.00	15.74	0.23	YES	
L0111998	0	0.23861E-02	485509.8	3753319.8	498.3	1.00	15.74	0.23	YES	
L0111999	0	0.23861E-02	485509.8	3753286.0	497.7	1.00	15.74	0.23	YES	
L0112000	0	0.23861E-02	485509.7	3753252.2	497.1	1.00	15.74	0.23	YES	
L0112001	0	0.23861E-02	485509.7	3753218.3	496.5	1.00	15.74	0.23	YES	
L0112002	0	0.23861E-02	485509.7	3753184.5	495.9	1.00	15.74	0.23	YES	
L0112003	0	0.23861E-02	485509.6	3753150.7	495.3	1.00	15.74	0.23	YES	
L0112004	0	0.23861E-02	485509.6	3753116.8	494.7	1.00	15.74	0.23	YES	
L0112005	0	0.23861E-02	485509.6	3753083.0	494.2	1.00	15.74	0.23	YES	
L0112006	0	0.54800E-02	485533.3	3755083.2	531.8	1.00	15.63	0.23	YES	
L0112007	0	0.54800E-02	485532.5	3755049.6	531.1	1.00	15.63	0.23	YES	
L0112008	0	0.54800E-02	485531.8	3755016.0	530.4	1.00	15.63	0.23	YES	
L0112009	0	0.54800E-02	485531.1	3754982.4	529.7	1.00	15.63	0.23	YES	
L0112010	0	0.54800E-02	485530.4	3754948.8	529.0	1.00	15.63	0.23	YES	
L0112011	0	0.54800E-02	485529.7	3754915.2	528.4	1.00	15.63	0.23	YES	
L0112012	0	0.54800E-02	485528.9	3754881.6	527.7	1.00	15.63	0.23	YES	
L0112013	0	0.54800E-02	485528.2	3754848.0	527.0	1.00	15.63	0.23	YES	
L0112014	0	0.54800E-02	485527.5	3754814.4	526.3	1.00	15.63	0.23	YES	
L0112015	0	0.54800E-02	485526.8	3754780.8	525.6	1.00	15.63	0.23	YES	
L0112016	0	0.54800E-02	485526.0	3754747.2	524.9	1.00	15.63	0.23	YES	
L0112017	0	0.54800E-02	485525.3	3754713.6	524.2	1.00	15.63	0.23	YES	
L0112018	0	0.54800E-02	485524.6	3754680.1	523.5	1.00	15.63	0.23	YES	

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L0112019	0	0.54800E-02	485523.9	3754646.5	522.8	1.00	15.63	0.23	YES	

L0112020	0	0.54800E-02	485523.2	3754612.9	522.1	1.00	15.63	0.23	YES
L0112021	0	0.54800E-02	485522.4	3754579.3	521.4	1.00	15.63	0.23	YES
L0112022	0	0.54800E-02	485521.7	3754545.7	520.7	1.00	15.63	0.23	YES
L0112023	0	0.54800E-02	485521.0	3754512.1	520.0	1.00	15.63	0.23	YES
L0112024	0	0.54800E-02	485520.3	3754478.5	519.3	1.00	15.63	0.23	YES
L0112025	0	0.54800E-02	485519.5	3754444.9	518.6	1.00	15.63	0.23	YES
L0112026	0	0.54800E-02	485518.8	3754411.3	517.9	1.00	15.63	0.23	YES
L0112027	0	0.54800E-02	485518.1	3754377.7	517.3	1.00	15.63	0.23	YES
L0112028	0	0.54800E-02	485517.4	3754344.1	516.6	1.00	15.63	0.23	YES
L0112029	0	0.54800E-02	485516.7	3754310.5	515.9	1.00	15.63	0.23	YES
L0112030	0	0.54800E-02	485515.9	3754276.9	515.2	1.00	15.63	0.23	YES
L0111020	0	0.00000E+00	485516.8	3755054.2	529.9	1.00	23.83	0.23	YES
L0111021	0	0.00000E+00	485568.1	3755054.0	528.6	1.00	23.83	0.23	YES
L0111022	0	0.00000E+00	485619.3	3755053.8	530.8	1.00	23.83	0.23	YES
L0111023	0	0.00000E+00	485670.5	3755053.6	532.5	1.00	23.83	0.23	YES
L0111024	0	0.00000E+00	485721.7	3755053.4	534.2	1.00	23.83	0.23	YES
L0111025	0	0.00000E+00	485773.0	3755053.2	531.1	1.00	23.83	0.23	YES
L0111026	0	0.00000E+00	485824.2	3755053.0	529.5	1.00	23.83	0.23	YES
L0111027	0	0.00000E+00	485875.4	3755052.8	529.8	1.00	23.83	0.23	YES
L0111028	0	0.00000E+00	485926.7	3755052.6	530.9	1.00	23.83	0.23	YES
L0111029	0	0.00000E+00	485977.9	3755052.4	529.7	1.00	23.83	0.23	YES
L0111030	0	0.00000E+00	486029.1	3755052.2	529.4	1.00	23.83	0.23	YES
L0111031	0	0.00000E+00	486080.4	3755052.0	529.5	1.00	23.83	0.23	YES
L0111032	0	0.00000E+00	486131.6	3755051.8	529.5	1.00	23.83	0.23	YES
L0111033	0	0.00000E+00	486182.8	3755051.6	530.3	1.00	23.83	0.23	YES
L0111034	0	0.00000E+00	486234.0	3755051.3	527.4	1.00	23.83	0.23	YES
L0111035	0	0.00000E+00	486285.3	3755051.1	527.0	1.00	23.83	0.23	YES
L0111036	0	0.00000E+00	486336.5	3755050.9	526.5	1.00	23.83	0.23	YES
L0111037	0	0.00000E+00	486387.7	3755050.7	527.3	1.00	23.83	0.23	YES
L0112031	0	0.75333E-02	486398.6	3755051.8	530.0	2.10	23.51	0.49	YES
L0112032	0	0.75333E-02	486449.1	3755051.3	530.3	2.10	23.51	0.49	YES
L0112033	0	0.75333E-02	486499.7	3755050.8	530.5	2.10	23.51	0.49	YES
L0112034	0	0.75333E-02	486550.2	3755050.4	530.7	2.10	23.51	0.49	YES
L0112035	0	0.75333E-02	486600.7	3755049.9	530.9	2.10	23.51	0.49	YES
L0112036	0	0.75333E-02	486651.3	3755049.4	531.1	2.10	23.51	0.49	YES
L0112037	0	0.75333E-02	486701.8	3755049.0	531.3	2.10	23.51	0.49	YES
L0112038	0	0.75333E-02	486752.4	3755048.5	531.5	2.10	23.51	0.49	YES
L0112039	0	0.75333E-02	486802.9	3755048.1	531.7	2.10	23.51	0.49	YES
L0112040	0	0.75333E-02	486853.5	3755047.6	531.9	2.10	23.51	0.49	YES

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112041	0	0.75333E-02	486904.0	3755047.1	532.1	2.10	23.51	0.49	YES	
L0112042	0	0.75333E-02	486954.6	3755046.7	532.3	2.10	23.51	0.49	YES	
L0112043	0	0.75333E-02	487005.1	3755046.2	532.5	2.10	23.51	0.49	YES	
L0112044	0	0.75333E-02	487055.7	3755045.8	532.7	2.10	23.51	0.49	YES	
L0112045	0	0.75333E-02	487106.2	3755045.3	532.9	2.10	23.51	0.49	YES	
L0111053	0	0.00000E+00	487151.1	3755042.2	530.6	1.00	23.38	0.23	YES	
L0111054	0	0.00000E+00	487201.3	3755039.4	528.0	1.00	23.38	0.23	YES	
L0111055	0	0.00000E+00	487251.5	3755036.7	528.5	1.00	23.38	0.23	YES	
L0111056	0	0.00000E+00	487301.7	3755033.9	528.6	1.00	23.38	0.23	YES	
L0111057	0	0.00000E+00	487351.3	3755025.8	526.0	1.00	23.38	0.23	YES	
L0111058	0	0.00000E+00	487400.9	3755017.8	524.6	1.00	23.38	0.23	YES	
L0111059	0	0.00000E+00	487450.5	3755009.8	524.4	1.00	23.38	0.23	YES	
L0111060	0	0.00000E+00	487500.1	3755001.7	526.0	1.00	23.38	0.23	YES	
L0111061	0	0.00000E+00	487549.9	3754996.4	528.3	1.00	23.38	0.23	YES	
L0111062	0	0.00000E+00	487600.2	3754997.7	529.2	1.00	23.38	0.23	YES	
L0111063	0	0.00000E+00	487650.4	3754999.0	526.2	1.00	23.38	0.23	YES	
L0111064	0	0.00000E+00	487700.6	3755000.3	523.0	1.00	23.38	0.23	YES	
L0111065	0	0.00000E+00	487749.5	3754990.1	522.3	1.00	23.38	0.23	YES	
L0111066	0	0.00000E+00	487798.0	3754976.9	523.3	1.00	23.38	0.23	YES	
L0111067	0	0.00000E+00	487846.5	3754963.7	524.1	1.00	23.38	0.23	YES	
L0111068	0	0.00000E+00	487895.0	3754950.4	525.8	1.00	23.38	0.23	YES	
L0111069	0	0.00000E+00	487919.9	3754938.9	524.6	1.00	24.10	0.23	YES	
L0111070	0	0.00000E+00	487964.8	3754913.0	521.9	1.00	24.10	0.23	YES	
L0111071	0	0.00000E+00	488009.7	3754887.1	519.8	1.00	24.10	0.23	YES	
L0111072	0	0.00000E+00	488053.4	3754859.6	519.4	1.00	24.10	0.23	YES	
L0111073	0	0.00000E+00	488094.9	3754828.5	519.2	1.00	24.10	0.23	YES	
L0111074	0	0.00000E+00	488136.3	3754797.4	520.5	1.00	24.10	0.23	YES	
L0111075	0	0.00000E+00	488178.6	3754767.9	521.2	1.00	24.10	0.23	YES	
L0111076	0	0.00000E+00	488228.5	3754753.9	522.9	1.00	24.10	0.23	YES	
L0111077	0	0.00000E+00	488278.4	3754739.9	523.0	1.00	24.10	0.23	YES	
L0111078	0	0.00000E+00	488329.2	3754731.6	521.5	1.00	24.10	0.23	YES	
L0111079	0	0.00000E+00	488380.9	3754728.1	523.9	1.00	24.10	0.23	YES	
L0111080	0	0.00000E+00	488432.6	3754724.6	528.0	1.00	24.10	0.23	YES	
L0111081	0	0.00000E+00	488484.3	3754721.0	524.8	1.00	24.10	0.23	YES	
L0111082	0	0.00000E+00	487131.3	3754448.5	506.6	1.00	17.64	0.23	YES	
L0111083	0	0.00000E+00	487169.2	3754446.5	506.0	1.00	17.64	0.23	YES	
L0111084	0	0.00000E+00	487207.0	3754444.4	508.1	1.00	17.64	0.23	YES	
L0111085	0	0.00000E+00	487244.9	3754442.4	509.1	1.00	17.64	0.23	YES	
L0111086	0	0.00000E+00	487282.8	3754440.4	509.8	1.00	17.64	0.23	YES	
L0111087	0	0.00000E+00	487320.7	3754438.4	509.1	1.00	17.64	0.23	YES	

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY

L0111088	0	0.00000E+00	487358.6	3754436.4	509.4	1.00	17.64	0.23	YES
L0111089	0	0.00000E+00	487396.4	3754434.4	510.4	1.00	17.64	0.23	YES
L0111090	0	0.00000E+00	487434.3	3754432.4	509.9	1.00	17.64	0.23	YES
L0111091	0	0.00000E+00	487472.2	3754430.4	509.4	1.00	17.64	0.23	YES
L0111092	0	0.00000E+00	487510.1	3754428.3	509.9	1.00	17.64	0.23	YES
L0111093	0	0.00000E+00	487547.9	3754426.3	510.2	1.00	17.64	0.23	YES
L0111094	0	0.00000E+00	487585.8	3754424.5	509.6	1.00	17.64	0.23	YES
L0111095	0	0.00000E+00	487623.7	3754425.8	510.1	1.00	17.64	0.23	YES
L0111096	0	0.00000E+00	487661.6	3754427.1	510.7	1.00	17.64	0.23	YES
L0111097	0	0.00000E+00	487699.6	3754428.4	510.4	1.00	17.64	0.23	YES
L0111098	0	0.00000E+00	487736.7	3754435.0	510.8	1.00	17.64	0.23	YES
L0111099	0	0.00000E+00	487773.2	3754445.1	510.4	1.00	17.64	0.23	YES
L0111100	0	0.00000E+00	487810.3	3754451.0	509.9	1.00	17.64	0.23	YES
L0111101	0	0.00000E+00	487848.2	3754450.3	509.8	1.00	17.64	0.23	YES
L0111102	0	0.00000E+00	487886.1	3754449.6	508.5	1.00	17.64	0.23	YES
L0111103	0	0.00000E+00	487924.1	3754449.0	507.7	1.00	17.64	0.23	YES
L0111104	0	0.00000E+00	487962.0	3754448.3	508.4	1.00	17.64	0.23	YES
L0111105	0	0.00000E+00	487999.9	3754447.6	509.0	1.00	17.64	0.23	YES
L0111106	0	0.00000E+00	488037.8	3754447.0	508.1	1.00	17.64	0.23	YES
L0111107	0	0.00000E+00	488075.8	3754446.3	507.2	1.00	17.64	0.23	YES
L0111108	0	0.00000E+00	488113.7	3754445.6	508.2	1.00	17.64	0.23	YES
L0111109	0	0.00000E+00	488151.6	3754445.0	508.3	1.00	17.64	0.23	YES
L0111110	0	0.00000E+00	488189.5	3754444.3	509.3	1.00	17.64	0.23	YES
L0111111	0	0.00000E+00	488227.5	3754443.6	510.4	1.00	17.64	0.23	YES
L0111112	0	0.00000E+00	488265.4	3754443.0	510.7	1.00	17.64	0.23	YES
L0111113	0	0.00000E+00	488303.3	3754442.3	510.9	1.00	17.64	0.23	YES
L0111114	0	0.00000E+00	488333.9	3754420.0	509.3	1.00	17.64	0.23	YES
L0111115	0	0.00000E+00	488364.4	3754397.4	506.5	1.00	17.64	0.23	YES
L0111116	0	0.00000E+00	488394.8	3754374.8	504.5	1.00	17.64	0.23	YES
L0111117	0	0.00000E+00	488425.3	3754352.2	505.0	1.00	17.64	0.23	YES
L0111118	0	0.00000E+00	488434.4	3754340.7	505.3	1.00	18.04	0.23	YES
L0111119	0	0.00000E+00	488457.1	3754309.3	506.0	1.00	18.04	0.23	YES
L0111120	0	0.00000E+00	488457.7	3754270.7	506.0	1.00	18.04	0.23	YES
L0111121	0	0.00000E+00	488457.7	3754231.9	505.1	1.00	18.04	0.23	YES
L0111122	0	0.00000E+00	488457.7	3754193.1	501.0	1.00	18.04	0.23	YES
L0111123	0	0.00000E+00	488457.7	3754154.3	501.5	1.00	18.04	0.23	YES
L0111124	0	0.00000E+00	488457.7	3754115.5	503.6	1.00	18.04	0.23	YES
L0111125	0	0.00000E+00	488457.7	3754076.8	502.9	1.00	18.04	0.23	YES
L0111126	0	0.00000E+00	488457.7	3754038.0	502.0	1.00	18.04	0.23	YES
L0111127	0	0.00000E+00	488457.7	3753999.2	502.0	1.00	18.04	0.23	YES

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111128	0	0.00000E+00	488457.7	3753960.4	502.0	1.00	18.04	0.23	YES	
L0111129	0	0.00000E+00	488457.7	3753921.6	500.4	1.00	18.04	0.23	YES	
L0111130	0	0.00000E+00	488457.7	3753882.8	498.4	1.00	18.04	0.23	YES	
L0111131	0	0.00000E+00	488457.7	3753844.0	497.1	1.00	18.04	0.23	YES	
L0111132	0	0.00000E+00	488457.7	3753805.3	496.8	1.00	18.04	0.23	YES	
L0111133	0	0.00000E+00	488457.7	3753766.5	496.0	1.00	18.04	0.23	YES	
L0111134	0	0.00000E+00	488457.7	3753727.7	495.3	1.00	18.04	0.23	YES	
L0111135	0	0.00000E+00	488457.7	3753688.9	493.9	1.00	18.04	0.23	YES	
L0111136	0	0.00000E+00	488457.7	3753650.1	491.0	1.00	18.04	0.23	YES	
L0111137	0	0.00000E+00	488457.7	3753611.3	488.4	1.00	18.04	0.23	YES	
L0111138	0	0.00000E+00	488457.7	3753572.6	488.0	1.00	18.04	0.23	YES	
L0111139	0	0.00000E+00	488457.7	3753533.8	488.0	1.00	18.04	0.23	YES	
L0111140	0	0.00000E+00	488457.7	3753495.0	488.0	1.00	18.04	0.23	YES	
L0111141	0	0.00000E+00	488457.7	3753456.2	487.2	1.00	18.04	0.23	YES	
L0111142	0	0.00000E+00	488457.7	3753417.4	485.9	1.00	18.04	0.23	YES	
L0111143	0	0.00000E+00	488457.7	3753378.6	485.4	1.00	18.04	0.23	YES	
L0111144	0	0.00000E+00	488457.7	3753339.9	484.0	1.00	18.04	0.23	YES	
L0111145	0	0.00000E+00	488457.7	3753301.1	482.0	1.00	18.04	0.23	YES	
L0112046	0	0.85714E-02	487111.6	3753293.9	490.9	1.20	22.81	0.28	YES	
L0112047	0	0.85714E-02	487160.6	3753293.6	490.4	1.20	22.81	0.28	YES	
L0112048	0	0.85714E-02	487209.6	3753293.2	490.0	1.20	22.81	0.28	YES	
L0112049	0	0.85714E-02	487258.7	3753292.8	489.6	1.20	22.81	0.28	YES	
L0112050	0	0.85714E-02	487307.7	3753292.4	489.1	1.20	22.81	0.28	YES	
L0112051	0	0.85714E-02	487356.7	3753292.1	488.7	1.20	22.81	0.28	YES	
L0112052	0	0.85714E-02	487405.8	3753291.7	488.2	1.20	22.81	0.28	YES	
L0112053	0	0.85714E-02	487454.8	3753291.3	487.8	1.20	22.81	0.28	YES	
L0112054	0	0.85714E-02	487503.8	3753291.0	487.3	1.20	22.81	0.28	YES	
L0112055	0	0.85714E-02	487552.9	3753290.6	486.9	1.20	22.81	0.28	YES	
L0112056	0	0.85714E-02	487601.9	3753290.2	486.4	1.20	22.81	0.28	YES	
L0112057	0	0.85714E-02	487650.9	3753289.8	486.0	1.20	22.81	0.28	YES	
L0112058	0	0.85714E-02	487700.0	3753289.5	485.6	1.20	22.81	0.28	YES	
L0112059	0	0.85714E-02	487749.0	3753289.1	485.1	1.20	22.81	0.28	YES	
L0111160	0	0.49214E-02	487765.1	3753289.0	484.0	1.10	24.24	0.26	YES	
L0111161	0	0.49214E-02	487817.3	3753289.0	485.3	1.10	24.24	0.26	YES	
L0111162	0	0.49214E-02	487869.4	3753289.0	483.2	1.10	24.24	0.26	YES	
L0111163	0	0.49214E-02	487921.5	3753289.0	483.0	1.10	24.24	0.26	YES	
L0111164	0	0.49214E-02	487973.6	3753289.0	484.8	1.10	24.24	0.26	YES	
L0111165	0	0.49214E-02	488025.8	3753289.0	485.6	1.10	24.24	0.26	YES	
L0111166	0	0.49214E-02	488077.9	3753289.0	485.4	1.10	24.24	0.26	YES	
L0111167	0	0.49214E-02	488130.0	3753289.0	485.6	1.10	24.24	0.26	YES	

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE	NUMBER PART.	EMISSION RATE (GRAMS/SEC)	X	Y	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY

ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	BY
L0111168	0	0.49214E-02	488182.1	3753289.0	485.6	1.10	24.24	0.26	YES
L0111169	0	0.49214E-02	488234.2	3753289.0	486.3	1.10	24.24	0.26	YES
L0111170	0	0.49214E-02	488286.4	3753289.0	484.9	1.10	24.24	0.26	YES
L0111171	0	0.49214E-02	488338.5	3753289.0	484.4	1.10	24.24	0.26	YES
L0111172	0	0.49214E-02	488390.6	3753289.0	484.6	1.10	24.24	0.26	YES
L0111173	0	0.49214E-02	488442.7	3753289.0	483.3	1.10	24.24	0.26	YES
L0111651	0	0.67500E-04	488445.9	3753289.3	481.6	1.90	18.10	0.44	YES
L0111652	0	0.67500E-04	488446.3	3753250.4	481.0	1.90	18.10	0.44	YES
L0111653	0	0.67500E-04	488446.8	3753211.5	480.1	1.90	18.10	0.44	YES
L0111654	0	0.67500E-04	488447.2	3753172.6	479.0	1.90	18.10	0.44	YES
L0111655	0	0.67500E-04	488447.7	3753133.7	478.5	1.90	18.10	0.44	YES
L0111656	0	0.67500E-04	488448.1	3753094.8	478.0	1.90	18.10	0.44	YES
L0111657	0	0.67500E-04	488448.5	3753055.9	477.0	1.90	18.10	0.44	YES
L0111658	0	0.67500E-04	488449.0	3753017.0	477.0	1.90	18.10	0.44	YES
L0111659	0	0.67500E-04	488449.4	3752978.1	477.7	1.90	18.10	0.44	YES
L0111660	0	0.67500E-04	488449.8	3752939.2	479.0	1.90	18.10	0.44	YES
L0111661	0	0.67500E-04	488450.3	3752900.3	478.0	1.90	18.10	0.44	YES
L0111662	0	0.67500E-04	488450.7	3752861.4	478.0	1.90	18.10	0.44	YES
L0112060	0	0.23414E-02	488463.9	3753299.0	483.1	1.20	23.53	0.28	YES
L0112061	0	0.23414E-02	488514.5	3753298.8	483.4	1.20	23.53	0.28	YES
L0112062	0	0.23414E-02	488565.1	3753298.7	483.8	1.20	23.53	0.28	YES
L0112063	0	0.23414E-02	488615.7	3753298.5	484.1	1.20	23.53	0.28	YES
L0112064	0	0.23414E-02	488666.3	3753298.3	484.5	1.20	23.53	0.28	YES
L0112065	0	0.23414E-02	488716.9	3753298.1	484.8	1.20	23.53	0.28	YES
L0112066	0	0.23414E-02	488767.5	3753298.0	485.2	1.20	23.53	0.28	YES
L0112067	0	0.23414E-02	488818.1	3753297.8	485.6	1.20	23.53	0.28	YES
L0112068	0	0.23414E-02	488868.7	3753297.6	485.9	1.20	23.53	0.28	YES
L0112069	0	0.23414E-02	488919.3	3753297.4	486.2	1.20	23.53	0.28	YES
L0112070	0	0.23414E-02	488969.9	3753297.3	486.6	1.20	23.53	0.28	YES
L0112071	0	0.23414E-02	489020.5	3753297.1	486.9	1.20	23.53	0.28	YES
L0112072	0	0.23414E-02	489071.1	3753296.9	487.3	1.20	23.53	0.28	YES
L0112073	0	0.23414E-02	489121.6	3753296.7	487.7	1.20	23.53	0.28	YES
L0112074	0	0.23414E-02	489172.2	3753296.5	488.0	1.20	23.53	0.28	YES
L0112075	0	0.23414E-02	489222.8	3753296.4	488.4	1.20	23.53	0.28	YES
L0112076	0	0.23414E-02	489273.4	3753296.2	488.7	1.20	23.53	0.28	YES
L0112077	0	0.23414E-02	489324.0	3753296.0	489.1	1.20	23.53	0.28	YES
L0112078	0	0.23414E-02	489374.6	3753295.8	489.4	1.20	23.53	0.28	YES
L0112079	0	0.23414E-02	489425.2	3753295.7	489.8	1.20	23.53	0.28	YES
L0112080	0	0.23414E-02	489475.8	3753295.5	490.1	1.20	23.53	0.28	YES
L0112081	0	0.23414E-02	489526.4	3753295.3	490.4	1.20	23.53	0.28	YES

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112082	0	0.23414E-02	489577.0	3753295.1	490.8	1.20	23.53	0.28	YES
L0112083	0	0.23414E-02	489627.6	3753295.0	491.2	1.20	23.53	0.28	YES
L0112084	0	0.23414E-02	489678.2	3753294.8	491.5	1.20	23.53	0.28	YES
L0112085	0	0.23414E-02	489728.8	3753294.6	491.9	1.20	23.53	0.28	YES
L0112086	0	0.23414E-02	489779.4	3753294.4	492.2	1.20	23.53	0.28	YES
L0112087	0	0.23414E-02	489830.0	3753294.3	492.6	1.20	23.53	0.28	YES
L0112088	0	0.23414E-02	489880.6	3753294.1	492.9	1.20	23.53	0.28	YES
L0112089	0	0.40333E-02	489900.7	3753294.2	493.2	1.10	22.24	0.26	YES
L0112090	0	0.40333E-02	489944.6	3753313.0	493.8	1.10	22.24	0.26	YES
L0112091	0	0.40333E-02	489983.0	3753340.6	495.7	1.10	22.24	0.26	YES
L0112092	0	0.40333E-02	490018.7	3753372.4	498.2	1.10	22.24	0.26	YES
L0112093	0	0.40333E-02	490054.3	3753404.3	500.8	1.10	22.24	0.26	YES
L0112094	0	0.40333E-02	490090.0	3753436.1	503.3	1.10	22.24	0.26	YES
L0111221	0	0.00000E+00	489898.8	3753280.5	492.3	1.00	15.51	0.23	YES
L0111222	0	0.00000E+00	489899.2	3753247.1	490.4	1.00	15.51	0.23	YES
L0111223	0	0.00000E+00	489899.6	3753213.8	488.2	1.00	15.51	0.23	YES
L0111224	0	0.00000E+00	489900.0	3753180.4	487.0	1.00	15.51	0.23	YES
L0111225	0	0.00000E+00	489900.4	3753147.1	488.3	1.00	15.51	0.23	YES
L0111226	0	0.00000E+00	489900.8	3753113.7	491.0	1.00	15.51	0.23	YES
L0111227	0	0.00000E+00	489901.2	3753080.4	490.6	1.00	15.51	0.23	YES
L0111228	0	0.00000E+00	489901.6	3753047.0	489.0	1.00	15.51	0.23	YES
L0111229	0	0.00000E+00	489902.0	3753013.7	487.3	1.00	15.51	0.23	YES
L0111230	0	0.00000E+00	489902.4	3752980.3	486.2	1.00	15.51	0.23	YES
L0111231	0	0.00000E+00	489902.8	3752947.0	484.6	1.00	15.51	0.23	YES
L0111232	0	0.00000E+00	489903.2	3752913.6	482.5	1.00	15.51	0.23	YES
L0111233	0	0.00000E+00	489903.6	3752880.3	480.4	1.00	15.51	0.23	YES
L0111234	0	0.00000E+00	489917.3	3752867.0	481.7	1.00	15.35	0.23	YES
L0111235	0	0.00000E+00	489950.3	3752867.9	483.0	1.00	15.35	0.23	YES
L0111236	0	0.00000E+00	489983.2	3752868.9	484.0	1.00	15.35	0.23	YES
L0111237	0	0.00000E+00	490016.2	3752869.8	484.9	1.00	15.35	0.23	YES
L0111238	0	0.00000E+00	490049.2	3752870.8	486.1	1.00	15.35	0.23	YES
L0111239	0	0.00000E+00	490082.2	3752871.7	485.7	1.00	15.35	0.23	YES
L0111240	0	0.00000E+00	490115.2	3752872.7	485.9	1.00	15.35	0.23	YES
L0111241	0	0.00000E+00	490148.1	3752873.7	486.6	1.00	15.35	0.23	YES
L0111242	0	0.00000E+00	490181.1	3752874.6	486.0	1.00	15.35	0.23	YES
L0111243	0	0.00000E+00	490214.1	3752875.6	484.1	1.00	15.35	0.23	YES
L0111244	0	0.00000E+00	490247.1	3752876.5	482.6	1.00	15.35	0.23	YES
L0111245	0	0.00000E+00	488454.3	3752857.1	478.0	1.00	15.60	0.23	YES
L0111246	0	0.00000E+00	488487.8	3752858.9	478.7	1.00	15.60	0.23	YES
L0111247	0	0.00000E+00	488521.3	3752860.6	477.6	1.00	15.60	0.23	YES

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111248	0	0.00000E+00	488554.8	3752862.3	475.5	1.00	15.60	0.23	YES	
L0111249	0	0.00000E+00	488588.3	3752864.1	475.3	1.00	15.60	0.23	YES	
L0111250	0	0.00000E+00	488621.7	3752865.8	476.6	1.00	15.60	0.23	YES	
L0111251	0	0.00000E+00	488655.2	3752867.6	478.0	1.00	15.60	0.23	YES	
L0111252	0	0.00000E+00	488688.7	3752869.3	478.5	1.00	15.60	0.23	YES	
L0111253	0	0.00000E+00	488722.2	3752871.1	477.6	1.00	15.60	0.23	YES	
L0111254	0	0.00000E+00	488755.7	3752872.8	477.4	1.00	15.60	0.23	YES	
L0111255	0	0.00000E+00	488789.2	3752874.6	478.3	1.00	15.60	0.23	YES	
L0111256	0	0.00000E+00	488822.6	3752876.3	478.2	1.00	15.60	0.23	YES	
L0111257	0	0.00000E+00	488856.1	3752878.1	478.1	1.00	15.60	0.23	YES	
L0111258	0	0.00000E+00	488889.6	3752879.8	478.0	1.00	15.60	0.23	YES	
L0111259	0	0.00000E+00	488923.1	3752881.6	477.7	1.00	15.60	0.23	YES	
L0111260	0	0.00000E+00	488956.6	3752883.3	478.2	1.00	15.60	0.23	YES	
L0111261	0	0.00000E+00	488990.1	3752885.1	479.7	1.00	15.60	0.23	YES	
L0111262	0	0.00000E+00	489023.5	3752886.8	481.4	1.00	15.60	0.23	YES	
L0111263	0	0.00000E+00	489057.1	3752886.3	482.7	1.00	15.60	0.23	YES	
L0111264	0	0.00000E+00	489090.6	3752885.7	481.8	1.00	15.60	0.23	YES	
L0111265	0	0.00000E+00	489124.1	3752885.1	480.7	1.00	15.60	0.23	YES	
L0111266	0	0.00000E+00	489157.6	3752884.5	479.8	1.00	15.60	0.23	YES	
L0111267	0	0.00000E+00	489191.2	3752884.0	478.8	1.00	15.60	0.23	YES	
L0111268	0	0.00000E+00	489224.7	3752883.4	478.7	1.00	15.60	0.23	YES	
L0111269	0	0.00000E+00	489258.2	3752882.8	479.7	1.00	15.60	0.23	YES	
L0111270	0	0.00000E+00	489291.7	3752882.2	480.1	1.00	15.60	0.23	YES	
L0111271	0	0.00000E+00	489325.3	3752881.7	480.1	1.00	15.60	0.23	YES	
L0111272	0	0.00000E+00	489358.8	3752881.1	480.1	1.00	15.60	0.23	YES	
L0111273	0	0.00000E+00	489392.3	3752880.5	480.0	1.00	15.60	0.23	YES	
L0111274	0	0.00000E+00	489425.8	3752879.9	480.2	1.00	15.60	0.23	YES	
L0111275	0	0.00000E+00	489459.4	3752879.4	481.3	1.00	15.60	0.23	YES	
L0111276	0	0.00000E+00	489492.9	3752878.8	481.9	1.00	15.60	0.23	YES	
L0111277	0	0.00000E+00	489526.4	3752878.2	481.9	1.00	15.60	0.23	YES	
L0111278	0	0.00000E+00	489559.9	3752877.6	482.5	1.00	15.60	0.23	YES	
L0111279	0	0.00000E+00	489593.5	3752877.1	483.5	1.00	15.60	0.23	YES	
L0111280	0	0.00000E+00	489627.0	3752876.5	484.7	1.00	15.60	0.23	YES	
L0111281	0	0.00000E+00	489660.5	3752875.9	484.9	1.00	15.60	0.23	YES	
L0111282	0	0.00000E+00	489694.0	3752875.3	483.8	1.00	15.60	0.23	YES	
L0111283	0	0.00000E+00	489727.6	3752874.8	484.1	1.00	15.60	0.23	YES	
L0111284	0	0.00000E+00	489761.1	3752874.2	485.3	1.00	15.60	0.23	YES	
L0111285	0	0.00000E+00	489794.6	3752873.6	484.9	1.00	15.60	0.23	YES	
L0111286	0	0.00000E+00	489828.1	3752873.0	482.8	1.00	15.60	0.23	YES	
L0111287	0	0.00000E+00	489861.7	3752872.5	480.7	1.00	15.60	0.23	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111288	0	0.00000E+00	489895.2	3752871.9	480.3	1.00	15.60	0.23	YES	
L0112095	0	0.56552E-02	488256.0	3755293.6	547.8	1.00	9.20	0.23	YES	
L0112096	0	0.56552E-02	488263.4	3755275.3	547.1	1.00	9.20	0.23	YES	
L0112097	0	0.56552E-02	488270.8	3755256.9	546.3	1.00	9.20	0.23	YES	
L0112098	0	0.56552E-02	488278.2	3755238.6	545.6	1.00	9.20	0.23	YES	
L0112099	0	0.56552E-02	488285.6	3755220.3	544.9	1.00	9.20	0.23	YES	
L0112100	0	0.56552E-02	488293.0	3755201.9	544.1	1.00	9.20	0.23	YES	
L0112101	0	0.56552E-02	488300.4	3755183.6	543.4	1.00	9.20	0.23	YES	
L0112102	0	0.56552E-02	488307.8	3755165.2	542.7	1.00	9.20	0.23	YES	
L0112103	0	0.56552E-02	488315.2	3755146.9	541.9	1.00	9.20	0.23	YES	
L0112104	0	0.56552E-02	488322.7	3755128.6	541.2	1.00	9.20	0.23	YES	
L0112105	0	0.56552E-02	488330.1	3755110.2	540.4	1.00	9.20	0.23	YES	
L0112106	0	0.56552E-02	488337.5	3755091.9	539.7	1.00	9.20	0.23	YES	
L0112107	0	0.56552E-02	488344.9	3755073.6	539.0	1.00	9.20	0.23	YES	
L0112108	0	0.56552E-02	488352.3	3755055.2	538.2	1.00	9.20	0.23	YES	
L0112109	0	0.56552E-02	488359.7	3755036.9	537.5	1.00	9.20	0.23	YES	
L0112110	0	0.56552E-02	488367.1	3755018.5	536.8	1.00	9.20	0.23	YES	
L0112111	0	0.56552E-02	488374.5	3755000.2	536.0	1.00	9.20	0.23	YES	
L0112112	0	0.56552E-02	488381.9	3754981.9	535.3	1.00	9.20	0.23	YES	
L0112113	0	0.56552E-02	488389.3	3754963.5	534.5	1.00	9.20	0.23	YES	
L0112114	0	0.56552E-02	488396.7	3754945.2	533.8	1.00	9.20	0.23	YES	
L0112115	0	0.56552E-02	488404.1	3754926.9	533.1	1.00	9.20	0.23	YES	
L0112116	0	0.56552E-02	488411.5	3754908.5	532.3	1.00	9.20	0.23	YES	
L0112117	0	0.56552E-02	488418.9	3754890.2	531.6	1.00	9.20	0.23	YES	
L0112118	0	0.56552E-02	488426.3	3754871.8	530.9	1.00	9.20	0.23	YES	
L0112119	0	0.56552E-02	488433.7	3754853.5	530.1	1.00	9.20	0.23	YES	
L0112120	0	0.56552E-02	488441.1	3754835.2	529.4	1.00	9.20	0.23	YES	
L0112121	0	0.56552E-02	488448.6	3754816.8	528.7	1.00	9.20	0.23	YES	
L0112122	0	0.56552E-02	488456.0	3754798.5	527.9	1.00	9.20	0.23	YES	
L0112123	0	0.56552E-02	488463.4	3754780.1	527.2	1.00	9.20	0.23	YES	
L0112124	0	0.57982E-02	488468.1	3754776.1	526.9	1.00	9.32	0.23	YES	
L0112125	0	0.57982E-02	488477.9	3754758.6	526.5	1.00	9.32	0.23	YES	
L0112126	0	0.57982E-02	488487.7	3754741.2	526.1	1.00	9.32	0.23	YES	
L0112127	0	0.57982E-02	488497.6	3754723.7	525.7	1.00	9.32	0.23	YES	
L0112128	0	0.57982E-02	488507.4	3754706.3	525.3	1.00	9.32	0.23	YES	
L0112129	0	0.57982E-02	488517.3	3754688.8	524.9	1.00	9.32	0.23	YES	
L0112130	0	0.57982E-02	488527.1	3754671.4	524.5	1.00	9.32	0.23	YES	
L0112131	0	0.57982E-02	488536.9	3754653.9	524.0	1.00	9.32	0.23	YES	
L0112132	0	0.57982E-02	488546.8	3754636.5	523.6	1.00	9.32	0.23	YES	
L0112133	0	0.57982E-02	488556.6	3754619.0	523.2	1.00	9.32	0.23	YES	

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*** VOLUME SOURCE DATA ***

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L0112134	0	0.57982E-02	488566.5	3754601.6	522.8	1.00	9.32	0.23	YES	
L0112135	0	0.57982E-02	488576.3	3754584.1	522.4	1.00	9.32	0.23	YES	
L0112136	0	0.57982E-02	488586.1	3754566.7	522.0	1.00	9.32	0.23	YES	
L0112137	0	0.57982E-02	488596.0	3754549.2	521.6	1.00	9.32	0.23	YES	
L0112138	0	0.57982E-02	488605.8	3754531.8	521.2	1.00	9.32	0.23	YES	
L0112139	0	0.57982E-02	488615.6	3754514.3	520.8	1.00	9.32	0.23	YES	
L0112140	0	0.57982E-02	488625.5	3754496.9	520.4	1.00	9.32	0.23	YES	
L0112141	0	0.57982E-02	488635.3	3754479.4	520.0	1.00	9.32	0.23	YES	
L0112142	0	0.57982E-02	488645.2	3754462.0	519.6	1.00	9.32	0.23	YES	
L0112143	0	0.57982E-02	488655.0	3754444.5	519.2	1.00	9.32	0.23	YES	
L0112144	0	0.57982E-02	488664.8	3754427.1	518.8	1.00	9.32	0.23	YES	
L0112145	0	0.57982E-02	488674.7	3754409.6	518.4	1.00	9.32	0.23	YES	
L0112146	0	0.57982E-02	488684.5	3754392.2	518.0	1.00	9.32	0.23	YES	
L0112147	0	0.57982E-02	488694.4	3754374.7	517.5	1.00	9.32	0.23	YES	
L0112148	0	0.57982E-02	488704.2	3754357.3	517.1	1.00	9.32	0.23	YES	
L0112149	0	0.57982E-02	488714.0	3754339.8	516.7	1.00	9.32	0.23	YES	
L0112150	0	0.57982E-02	488723.9	3754322.4	516.3	1.00	9.32	0.23	YES	
L0112151	0	0.57982E-02	488734.7	3754305.7	515.9	1.00	9.32	0.23	YES	
L0112152	0	0.57982E-02	488750.1	3754293.0	515.6	1.00	9.32	0.23	YES	
L0112153	0	0.57982E-02	488765.6	3754280.2	515.3	1.00	9.32	0.23	YES	
L0112154	0	0.57982E-02	488781.0	3754267.5	514.9	1.00	9.32	0.23	YES	
L0112155	0	0.57982E-02	488796.5	3754254.7	514.6	1.00	9.32	0.23	YES	
L0112156	0	0.57982E-02	488811.9	3754241.9	514.3	1.00	9.32	0.23	YES	
L0112157	0	0.57982E-02	488827.4	3754229.2	513.9	1.00	9.32	0.23	YES	
L0112158	0	0.57982E-02	488842.8	3754216.4	513.6	1.00	9.32	0.23	YES	
L0112159	0	0.57982E-02	488858.2	3754203.7	513.3	1.00	9.32	0.23	YES	
L0112160	0	0.57982E-02	488873.7	3754190.9	512.9	1.00	9.32	0.23	YES	
L0112161	0	0.57982E-02	488889.1	3754178.1	512.6	1.00	9.32	0.23	YES	
L0112162	0	0.57982E-02	488904.6	3754165.4	512.3	1.00	9.32	0.23	YES	
L0112163	0	0.57982E-02	488920.0	3754152.6	511.9	1.00	9.32	0.23	YES	
L0112164	0	0.57982E-02	488935.5	3754139.9	511.6	1.00	9.32	0.23	YES	
L0112165	0	0.57982E-02	488950.9	3754127.1	511.3	1.00	9.32	0.23	YES	
L0112166	0	0.57982E-02	488966.7	3754114.8	511.0	1.00	9.32	0.23	YES	
L0112167	0	0.57982E-02	488983.8	3754104.4	510.9	1.00	9.32	0.23	YES	
L0112168	0	0.57982E-02	489000.9	3754093.9	510.7	1.00	9.32	0.23	YES	
L0112169	0	0.57982E-02	489018.0	3754083.5	510.6	1.00	9.32	0.23	YES	
L0112170	0	0.57982E-02	489035.1	3754073.0	510.5	1.00	9.32	0.23	YES	
L0112171	0	0.57982E-02	489052.2	3754062.6	510.4	1.00	9.32	0.23	YES	
L0112172	0	0.57982E-02	489069.3	3754052.2	510.2	1.00	9.32	0.23	YES	
L0112173	0	0.57982E-02	489086.4	3754041.7	510.1	1.00	9.32	0.23	YES	

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112174	0	0.57982E-02	489103.5	3754031.3	510.0	1.00	9.32	0.23	YES	
L0112175	0	0.57982E-02	489120.6	3754020.8	509.9	1.00	9.32	0.23	YES	
L0112176	0	0.57982E-02	489137.7	3754010.4	509.8	1.00	9.32	0.23	YES	
L0112177	0	0.57982E-02	489154.8	3754000.0	509.7	1.00	9.32	0.23	YES	
L0112178	0	0.57982E-02	489171.9	3753989.5	509.5	1.00	9.32	0.23	YES	
L0112179	0	0.57982E-02	489189.0	3753979.1	509.4	1.00	9.32	0.23	YES	
L0112180	0	0.57982E-02	489206.1	3753968.6	509.3	1.00	9.32	0.23	YES	
L0112181	0	0.57982E-02	489223.2	3753958.2	509.2	1.00	9.32	0.23	YES	
L0112182	0	0.57982E-02	489240.2	3753947.8	509.1	1.00	9.32	0.23	YES	
L0112183	0	0.57982E-02	489257.3	3753937.3	508.9	1.00	9.32	0.23	YES	
L0112184	0	0.57982E-02	489274.4	3753926.9	508.8	1.00	9.32	0.23	YES	
L0112185	0	0.57982E-02	489291.5	3753916.4	508.7	1.00	9.32	0.23	YES	
L0112186	0	0.57982E-02	489308.6	3753906.0	508.6	1.00	9.32	0.23	YES	
L0112187	0	0.57982E-02	489325.7	3753895.6	508.4	1.00	9.32	0.23	YES	
L0112188	0	0.57982E-02	489342.8	3753885.1	508.3	1.00	9.32	0.23	YES	
L0112189	0	0.57982E-02	489359.9	3753874.7	508.2	1.00	9.32	0.23	YES	
L0112190	0	0.57982E-02	489377.0	3753864.2	508.1	1.00	9.32	0.23	YES	
L0112191	0	0.57982E-02	489394.1	3753853.8	508.0	1.00	9.32	0.23	YES	
L0112192	0	0.57982E-02	489411.2	3753843.4	507.9	1.00	9.32	0.23	YES	
L0112193	0	0.57982E-02	489428.3	3753832.9	507.7	1.00	9.32	0.23	YES	
L0112194	0	0.57982E-02	489445.4	3753822.5	507.6	1.00	9.32	0.23	YES	
L0112195	0	0.57982E-02	489462.5	3753812.0	507.5	1.00	9.32	0.23	YES	
L0112196	0	0.57982E-02	489479.6	3753801.6	507.4	1.00	9.32	0.23	YES	
L0112197	0	0.57982E-02	489496.7	3753791.2	507.2	1.00	9.32	0.23	YES	
L0112198	0	0.57982E-02	489513.8	3753780.7	507.1	1.00	9.32	0.23	YES	
L0112199	0	0.57982E-02	489530.9	3753770.3	507.0	1.00	9.32	0.23	YES	
L0112200	0	0.57982E-02	489548.0	3753759.8	506.9	1.00	9.32	0.23	YES	
L0112201	0	0.57982E-02	489565.1	3753749.4	506.8	1.00	9.32	0.23	YES	
L0112202	0	0.57982E-02	489582.2	3753739.0	506.6	1.00	9.32	0.23	YES	
L0112203	0	0.57982E-02	489599.3	3753728.5	506.5	1.00	9.32	0.23	YES	
L0112204	0	0.57982E-02	489616.4	3753718.1	506.4	1.00	9.32	0.23	YES	
L0112205	0	0.57982E-02	489633.5	3753707.6	506.3	1.00	9.32	0.23	YES	
L0112206	0	0.57982E-02	489650.6	3753697.2	506.2	1.00	9.32	0.23	YES	
L0112207	0	0.57982E-02	489667.7	3753686.8	506.0	1.00	9.32	0.23	YES	
L0112208	0	0.57982E-02	489684.8	3753676.3	505.9	1.00	9.32	0.23	YES	
L0112209	0	0.57982E-02	489701.9	3753665.9	505.8	1.00	9.32	0.23	YES	
L0112210	0	0.57982E-02	489719.0	3753655.4	505.7	1.00	9.32	0.23	YES	
L0112211	0	0.57982E-02	489736.1	3753645.0	505.6	1.00	9.32	0.23	YES	
L0112212	0	0.57982E-02	489753.2	3753634.6	505.4	1.00	9.32	0.23	YES	
L0112213	0	0.57982E-02	489770.3	3753624.1	505.3	1.00	9.32	0.23	YES	

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112214	0	0.57982E-02	489787.4	3753613.7	505.2	1.00	9.32	0.23	YES	
L0112215	0	0.57982E-02	489804.5	3753603.2	505.1	1.00	9.32	0.23	YES	
L0112216	0	0.57982E-02	489821.6	3753592.8	505.0	1.00	9.32	0.23	YES	
L0112217	0	0.57982E-02	489838.7	3753582.4	504.8	1.00	9.32	0.23	YES	
L0112218	0	0.57982E-02	489855.8	3753571.9	504.7	1.00	9.32	0.23	YES	
L0112219	0	0.57982E-02	489872.9	3753561.5	504.6	1.00	9.32	0.23	YES	
L0112220	0	0.57982E-02	489890.0	3753551.0	504.5	1.00	9.32	0.23	YES	
L0112221	0	0.57982E-02	489907.1	3753540.6	504.4	1.00	9.32	0.23	YES	
L0112222	0	0.57982E-02	489924.2	3753530.2	504.2	1.00	9.32	0.23	YES	
L0112223	0	0.57982E-02	489941.3	3753519.7	504.1	1.00	9.32	0.23	YES	
L0112224	0	0.57982E-02	489958.4	3753509.3	504.0	1.00	9.32	0.23	YES	
L0112225	0	0.57982E-02	489975.5	3753498.8	503.9	1.00	9.32	0.23	YES	
L0112226	0	0.57982E-02	489992.6	3753488.4	503.8	1.00	9.32	0.23	YES	
L0112227	0	0.57982E-02	490009.7	3753478.0	503.6	1.00	9.32	0.23	YES	
L0112228	0	0.57982E-02	490026.7	3753467.5	503.5	1.00	9.32	0.23	YES	
L0112229	0	0.57982E-02	490043.8	3753457.1	503.4	1.00	9.32	0.23	YES	
L0112230	0	0.57982E-02	490060.9	3753446.6	503.3	1.00	9.32	0.23	YES	
L0112231	0	0.57982E-02	490078.0	3753436.2	503.2	1.00	9.32	0.23	YES	
L0112232	0	0.57982E-02	490095.1	3753425.8	503.0	1.00	9.32	0.23	YES	
L0112233	0	0.83718E-02	490104.1	3753442.3	503.9	1.20	9.38	0.28	YES	
L0112234	0	0.83718E-02	490121.5	3753432.0	503.5	1.20	9.38	0.28	YES	
L0112235	0	0.83718E-02	490138.9	3753421.8	503.2	1.20	9.38	0.28	YES	
L0112236	0	0.83718E-02	490156.2	3753411.5	502.8	1.20	9.38	0.28	YES	
L0112237	0	0.83718E-02	490173.6	3753401.2	502.4	1.20	9.38	0.28	YES	
L0112238	0	0.83718E-02	490191.0	3753391.0	502.0	1.20	9.38	0.28	YES	
L0112239	0	0.83718E-02	490208.3	3753380.7	501.6	1.20	9.38	0.28	YES	
L0112240	0	0.83718E-02	490225.7	3753370.4	501.3	1.20	9.38	0.28	YES	
L0112241	0	0.83718E-02	490243.1	3753360.2	500.9	1.20	9.38	0.28	YES	
L0112242	0	0.83718E-02	490260.4	3753349.9	500.5	1.20	9.38	0.28	YES	
L0112243	0	0.83718E-02	490277.8	3753339.7	500.1	1.20	9.38	0.28	YES	
L0112244	0	0.83718E-02	490295.2	3753329.4	499.8	1.20	9.38	0.28	YES	
L0112245	0	0.83718E-02	490312.5	3753319.1	499.4	1.20	9.38	0.28	YES	
L0112246	0	0.83718E-02	490329.9	3753308.9	499.0	1.20	9.38	0.28	YES	
L0112247	0	0.83718E-02	490347.3	3753298.6	498.6	1.20	9.38	0.28	YES	
L0112248	0	0.83718E-02	490364.6	3753288.3	498.2	1.20	9.38	0.28	YES	
L0112249	0	0.83718E-02	490382.0	3753278.1	497.9	1.20	9.38	0.28	YES	
L0112250	0	0.83718E-02	490399.4	3753267.8	497.5	1.20	9.38	0.28	YES	
L0112251	0	0.83718E-02	490416.7	3753257.6	497.1	1.20	9.38	0.28	YES	
L0112252	0	0.83718E-02	490434.1	3753247.3	496.8	1.20	9.38	0.28	YES	
L0112253	0	0.83718E-02	490451.5	3753237.0	496.4	1.20	9.38	0.28	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112254	0	0.83718E-02	490468.8	3753226.8	496.0	1.20	9.38	0.28	YES	
L0112255	0	0.83718E-02	490486.2	3753216.5	495.6	1.20	9.38	0.28	YES	
L0112256	0	0.83718E-02	490503.6	3753206.2	495.2	1.20	9.38	0.28	YES	
L0112257	0	0.83718E-02	490520.9	3753196.0	494.9	1.20	9.38	0.28	YES	
L0112258	0	0.83718E-02	490538.3	3753185.7	494.5	1.20	9.38	0.28	YES	
L0112259	0	0.83718E-02	490555.7	3753175.5	494.1	1.20	9.38	0.28	YES	
L0112260	0	0.83718E-02	490573.0	3753165.2	493.7	1.20	9.38	0.28	YES	
L0112261	0	0.83718E-02	490590.4	3753154.9	493.4	1.20	9.38	0.28	YES	
L0112262	0	0.83718E-02	490607.8	3753144.7	493.0	1.20	9.38	0.28	YES	
L0112263	0	0.83718E-02	490625.1	3753134.4	492.6	1.20	9.38	0.28	YES	
L0112264	0	0.83718E-02	490642.5	3753124.1	492.2	1.20	9.38	0.28	YES	
L0112265	0	0.83718E-02	490657.6	3753111.4	491.7	1.20	9.38	0.28	YES	
L0112266	0	0.83718E-02	490669.5	3753095.1	491.1	1.20	9.38	0.28	YES	
L0112267	0	0.83718E-02	490681.4	3753078.8	490.5	1.20	9.38	0.28	YES	
L0112268	0	0.83718E-02	490693.3	3753062.5	489.8	1.20	9.38	0.28	YES	
L0112269	0	0.83718E-02	490705.2	3753046.2	489.2	1.20	9.38	0.28	YES	
L0112270	0	0.83718E-02	490717.1	3753029.9	488.6	1.20	9.38	0.28	YES	
L0112271	0	0.83718E-02	490729.0	3753013.6	487.9	1.20	9.38	0.28	YES	
L0112272	0	0.83718E-02	490740.9	3752997.3	487.3	1.20	9.38	0.28	YES	
L0112273	0	0.83718E-02	490752.8	3752981.1	486.7	1.20	9.38	0.28	YES	
L0112274	0	0.83718E-02	490764.7	3752964.8	486.0	1.20	9.38	0.28	YES	
L0112275	0	0.83718E-02	490776.6	3752948.5	485.4	1.20	9.38	0.28	YES	
L0112276	0	0.83718E-02	490788.4	3752932.2	484.8	1.20	9.38	0.28	YES	
L0112277	0	0.83718E-02	490800.3	3752915.9	484.1	1.20	9.38	0.28	YES	
L0112278	0	0.83718E-02	490812.2	3752899.6	483.5	1.20	9.38	0.28	YES	
L0112279	0	0.83718E-02	490824.1	3752883.3	482.9	1.20	9.38	0.28	YES	
L0112280	0	0.83718E-02	490836.0	3752867.0	482.2	1.20	9.38	0.28	YES	
L0112281	0	0.83718E-02	490847.9	3752850.7	481.6	1.20	9.38	0.28	YES	
L0112282	0	0.83718E-02	490859.8	3752834.4	480.9	1.20	9.38	0.28	YES	
L0112283	0	0.83718E-02	490871.7	3752818.1	480.3	1.20	9.38	0.28	YES	
L0112284	0	0.83718E-02	490883.6	3752801.8	479.7	1.20	9.38	0.28	YES	
L0112285	0	0.83718E-02	490895.5	3752785.5	479.0	1.20	9.38	0.28	YES	
L0112286	0	0.83718E-02	490907.4	3752769.2	478.4	1.20	9.38	0.28	YES	
L0112287	0	0.83718E-02	490919.2	3752752.9	477.8	1.20	9.38	0.28	YES	
L0112288	0	0.83718E-02	490931.1	3752736.6	477.1	1.20	9.38	0.28	YES	
L0112289	0	0.83718E-02	490943.0	3752720.3	476.5	1.20	9.38	0.28	YES	
L0112290	0	0.83718E-02	490954.9	3752704.0	475.9	1.20	9.38	0.28	YES	
L0112291	0	0.83718E-02	490966.8	3752687.7	475.2	1.20	9.38	0.28	YES	
L0112292	0	0.83718E-02	490978.7	3752671.4	474.6	1.20	9.38	0.28	YES	
L0112293	0	0.83718E-02	490990.6	3752655.1	474.0	1.20	9.38	0.28	YES	

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**MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL

                                        *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.   URBAN  EMISSION RATE
  SOURCE       PART.  (GRAMS/SEC)     X         Y      ELEV.   HEIGHT      SY      SZ     SOURCE  SCALAR VARY
    ID         CATS.                (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)              BY
- - - -
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L0111119    , L0111120    , L0111121    , L0111122    , L0111123    , L0111124    , L0111125    , L0111126    ,
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017        ***        12/19/12
                                    *** CO (No Refrigeration)                                                ***        15:38:45
                                                                                                                        PAGE  23
 **MODELOPTs:  NonDEFAULT CONC                                                    ELEV
                          FASTALL

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                 SOURCE IDs

L0111127    , L0111128    , L0111129    , L0111130    , L0111131    , L0111132    , L0111133    , L0111134    ,
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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017        ***        12/19/12
                                    *** CO (No Refrigeration)                                                ***        15:38:45
                                                                                                                        PAGE  24
 **MODELOPTs:  NonDEFAULT CONC                                                    ELEV
                          FASTALL

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                 SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                   *** CO (No Refrigeration)                                                  ***        15:38:45
                                                                                                                         PAGE  25
 **MODELOPTs:  NonDFAULT CONC                                                    ELEV
                         FASTALL


                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                   SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                   *** CO (No Refrigeration)                                                  ***        15:38:45
                                                                                                                         PAGE  26
 **MODELOPTs:  NonDFAULT CONC                                                    ELEV
                         FASTALL

                                        *** GRIDDED RECEPTOR NETWORK SUMMARY ***

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                          *** X-COORDINATES OF GRID ***
                                                    (METERS)

      461553.0,  462553.0,  463553.0,  464553.0,  465553.0,  466553.0,  467553.0,  468553.0,  469553.0,  470553.0,
      471553.0,  472553.0,  473553.0,  474553.0,  475553.0,  476553.0,  477553.0,  478553.0,  479553.0,  480553.0,
      481553.0,  482553.0,  483553.0,  484553.0,  485553.0,  486553.0,  487553.0,  488553.0,  489553.0,  490553.0,
      491553.0,  492553.0,  493553.0,  494553.0,  495553.0,  496553.0,  497553.0,  498553.0,  499553.0,  500553.0,
      501553.0,  502553.0,  503553.0,  504553.0,  505553.0,

                                          *** Y-COORDINATES OF GRID ***
                                                    (METERS)

     3741938.3, 3742938.3, 3743938.3, 3744938.3, 3745938.3, 3746938.3, 3747938.3, 3748938.3, 3749938.3, 3750938.3,
     3751938.3, 3752938.3, 3753938.3, 3754938.3, 3755938.3, 3756938.3, 3757938.3, 3758938.3, 3759938.3, 3760938.3,
     3761938.3, 3762938.3, 3763938.3, 3764938.3, 3765938.3, 3766938.3, 3767938.3,
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                   *** CO (No Refrigeration)                                                  ***        15:38:45
                                                                                                                         PAGE  27
 **MODELOPTs:  NonDFAULT CONC                                                    ELEV
                         FASTALL

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                          * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                        X-COORD (METERS)
    (METERS) |     461553.03    462553.03    463553.03    464553.03    465553.03    466553.03    467553.03    468553.03    469553.03
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3767938.31 |        317.90       315.50       311.70       305.80       301.50       279.60       278.50       272.60       279.20
  3766938.31 |        336.30       305.50       294.90       294.00       283.00       268.30       267.10       395.80       277.90
  3765938.31 |        325.60       405.70       301.30       289.30       287.10       261.20       293.50       397.30       291.80
  3764938.31 |        311.30       365.90       350.10       293.30       273.50       258.00       261.00       288.90       288.10
                                                                Page 33
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3763938.31	295.70	394.50	275.10	267.50	248.90	253.00	257.10	276.60	299.60
3762938.31	266.30	266.90	261.00	243.60	247.90	254.20	263.80	281.00	306.80
3761938.31	242.70	240.00	239.10	241.70	250.50	255.90	268.10	287.50	312.50
3760938.31	227.40	232.20	233.60	267.10	260.30	266.80	279.00	295.10	323.80
3759938.31	231.00	227.90	306.60	254.10	267.80	278.00	287.90	303.00	326.30
3758938.31	225.00	236.10	253.00	263.10	271.10	278.30	294.20	306.30	325.20
3757938.31	242.90	247.20	257.60	287.20	273.70	269.10	286.50	309.40	333.40
3756938.31	240.20	249.30	257.40	270.00	287.90	314.60	321.20	305.30	333.60
3755938.31	246.00	257.10	266.10	276.80	293.20	340.60	359.10	392.00	355.20
3754938.31	248.50	260.00	276.80	296.00	315.10	378.50	397.50	424.40	446.50
3753938.31	260.60	269.80	285.70	300.20	343.20	384.50	408.70	459.30	492.70
3752938.31	270.20	283.70	306.80	324.20	359.90	410.50	453.20	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	370.10	406.50	435.60	459.70	473.80
3750938.31	302.60	319.90	344.80	357.00	359.90	410.40	467.40	475.40	487.80
3749938.31	329.00	337.50	391.80	442.20	444.30	439.90	466.10	486.40	501.00
3748938.31	396.00	335.40	377.80	424.70	452.80	466.30	492.50	530.60	513.50
3747938.31	427.10	444.20	382.70	398.40	434.20	525.50	527.90	535.40	508.80
3746938.31	441.20	476.80	468.20	415.80	447.50	476.50	480.20	486.90	492.60
3745938.31	443.70	473.10	464.50	438.00	420.80	444.80	467.60	496.10	513.30
3744938.31	430.60	450.90	441.80	434.80	446.20	468.50	540.20	507.00	518.10
3743938.31	417.00	420.10	430.30	443.00	447.20	451.30	469.00	476.40	478.80
3742938.31	435.90	446.30	466.50	498.00	501.00	511.50	481.80	517.80	556.40
3741938.31	474.60	533.00	551.60	552.10	619.20	572.30	597.50	653.00	564.20

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	283.60	289.00	304.20	312.00	323.50	341.00	348.00	353.60	357.50
3766938.31	301.20	333.70	340.60	336.20	384.40	409.90	380.20	386.80	384.50
3765938.31	313.20	342.50	448.10	359.20	407.10	458.80	482.50	461.70	459.60
3764938.31	311.10	346.40	657.00	455.30	395.40	467.20	504.80	545.20	510.30
3763938.31	325.70	353.10	435.90	504.40	420.40	430.90	500.60	554.40	626.90
3762938.31	318.70	356.60	382.20	408.20	498.60	534.40	470.90	509.90	539.10
3761938.31	411.70	551.30	580.90	449.90	615.40	776.00	690.30	617.60	548.30
3760938.31	399.70	469.40	625.60	642.80	582.20	632.10	814.90	830.10	632.90
3759938.31	352.70	380.50	666.10	820.90	599.20	547.70	579.10	784.30	625.60
3758938.31	356.30	404.00	732.30	830.30	615.10	544.90	541.10	565.00	602.60
3757938.31	390.90	429.40	509.10	790.60	782.00	562.30	524.60	545.10	576.90
3756938.31	396.60	462.40	469.80	513.40	695.40	563.20	521.90	516.20	540.60
3755938.31	451.40	484.60	457.40	488.80	514.90	515.10	503.90	508.20	511.80
3754938.31	462.00	468.90	467.80	474.40	483.10	495.10	497.10	497.00	496.10
3753938.31	485.80	444.20	462.50	468.20	470.10	483.70	489.90	488.60	488.00
3752938.31	496.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	499.70	534.90	498.40	478.90	472.10	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	472.60	465.30	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	467.20	456.80	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	476.10	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	454.60	452.80	451.90
3746938.31	525.30	513.50	511.80	533.20	519.10	469.50	454.30	454.50	447.50
3745938.31	546.30	513.20	510.80	517.60	521.80	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	533.40	477.40	461.80	449.40	445.80
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	522.10	528.30	527.90	518.60	512.50	490.80	475.50	452.00	447.80
3741938.31	593.90	581.10	555.50	534.60	537.70	549.40	498.00	460.30	442.90

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	373.90	406.60	408.60	429.30	457.00	476.70	495.00	534.80	562.90
3765938.31	441.20	390.60	450.20	458.00	486.40	516.70	539.40	562.30	602.20
3764938.31	472.90	447.20	408.10	450.00	508.00	549.40	579.80	596.40	630.70
3763938.31	573.90	480.90	465.10	443.30	451.50	526.90	616.60	643.00	665.40
3762938.31	633.40	621.10	497.10	513.60	500.30	473.20	549.60	558.50	597.70
3761938.31	633.80	696.10	578.40	595.10	536.00	493.00	521.50	573.40	589.70
3760938.31	612.70	771.50	774.50	667.50	632.60	595.90	532.50	510.00	543.10
3759938.31	750.20	721.00	823.40	796.40	718.30	624.10	577.90	559.90	566.90
3758938.31	769.50	817.80	682.00	715.80	715.30	649.00	632.00	705.60	627.80
3757938.31	654.20	735.40	726.40	625.20	646.60	603.80	643.90	673.20	703.70
3756938.31	578.40	596.10	632.00	636.80	574.80	581.40	584.90	593.20	633.90
3755938.31	534.90	550.50	557.10	551.80	558.10	556.20	551.80	549.40	578.00
3754938.31	501.90	518.80	513.20	530.30	535.20	537.10	527.60	525.60	526.30
3753938.31	484.50	494.20	500.90	507.30	527.20	515.60	503.90	503.00	496.40
3752938.31	472.20	481.00	482.10	483.90	484.30	487.50	488.10	487.40	479.60
3751938.31	472.00	468.70	466.60	469.20	467.20	475.60	513.80	650.90	533.40
3750938.31	462.20	464.30	454.80	461.90	476.80	531.30	771.00	658.60	548.10
3749938.31	461.90	456.70	491.00	524.00	524.30	563.50	580.90	550.10	513.70
3748938.31	453.60	458.80	528.40	666.50	545.30	516.50	507.70	500.10	534.60
3747938.31	448.80	453.60	630.60	614.60	504.60	497.40	478.00	495.60	566.60
3746938.31	443.40	457.10	486.30	478.00	478.00	478.00	478.00	535.10	465.60
3745938.31	444.60	444.00	451.50	478.00	478.00	478.00	544.70	620.50	435.80
3744938.31	442.20	442.80	446.20	452.70	478.00	491.40	688.80	460.70	434.70
3743938.31	442.20	443.90	443.80	449.80	518.60	704.30	461.70	433.40	439.40
3742938.31	443.00	436.50	441.80	460.50	485.80	462.50	436.60	434.40	437.20
3741938.31	440.00	440.00	443.20	464.70	494.00	451.40	435.10	436.80	444.80

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	585.60	659.90	750.50	849.50	964.60	887.60	799.80	842.60
3766938.31	620.90	644.20	726.40	740.70	749.70	765.90	746.90	783.40	825.20
3765938.31	647.50	671.10	648.30	644.30	667.00	700.80	752.10	785.40	821.00
3764938.31	645.70	628.90	634.80	634.90	658.40	717.30	744.10	769.90	803.90
3763938.31	641.80	636.10	611.10	647.70	662.20	696.20	735.10	762.10	788.90
3762938.31	567.80	579.90	612.80	639.70	683.70	703.20	737.10	760.10	788.60
3761938.31	645.00	662.30	670.20	680.00	684.30	717.00	734.10	758.40	782.00
3760938.31	605.10	665.70	651.20	671.30	699.20	686.90	709.50	748.60	777.00
3759938.31	554.60	565.70	601.70	627.90	662.80	672.60	705.00	707.60	735.00
3758938.31	691.80	646.90	606.20	641.40	617.10	646.90	656.00	701.50	705.00
3757938.31	708.00	700.40	691.40	714.50	700.80	636.00	691.20	708.50	717.50
3756938.31	671.60	698.80	672.20	693.20	762.30	676.60	660.50	722.70	744.70
3755938.31	584.70	625.90	643.00	724.20	685.50	740.50	714.80	678.00	696.50
3754938.31	538.80	559.60	583.70	611.70	661.10	631.20	658.60	711.00	714.10
3753938.31	497.80	504.20	536.20	577.90	576.60	604.60	594.70	629.30	712.60
3752938.31	476.00	484.00	483.20	521.60	511.20	551.60	565.60	597.80	713.90
3751938.31	461.80	464.20	456.50	460.80	483.90	546.20	559.10	588.10	668.30
3750938.31	452.20	443.30	437.30	433.00	456.70	508.60	521.70	564.30	641.50
3749938.31	440.90	437.90	432.30	428.00	441.00	462.30	480.10	618.00	616.20
3748938.31	447.80	435.20	433.30	430.10	431.40	434.70	436.80	562.80	649.90
3747938.31	441.10	433.70	435.40	437.00	430.60	428.00	432.60	441.60	530.80
3746938.31	435.20	470.70	436.80	436.10	434.50	439.70	433.90	437.50	452.70
3745938.31	432.10	434.70	437.10	439.10	440.90	438.60	438.10	435.60	446.20
3744938.31	435.10	440.90	436.10	438.20	441.30	441.00	441.10	438.90	439.20
3743938.31	445.10	447.60	443.00	442.10	473.20	470.40	440.10	441.00	440.30
3742938.31	453.00	463.60	463.40	470.40	558.30	719.10	644.10	446.20	448.60
3741938.31	459.30	477.60	489.00	576.80	623.40	693.40	713.10	512.00	449.70

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	884.20	929.90	993.80	1066.90	1171.60	1243.50	1319.20	1434.80	1630.30
3766938.31	883.00	946.60	1050.80	1085.60	1198.10	1517.00	1503.00	1502.80	1502.40
3765938.31	883.90	1004.20	1177.00	1131.40	1192.90	1410.70	1471.10	1478.60	1400.30
3764938.31	850.10	947.40	1013.60	1008.70	1179.60	1281.10	1301.70	1306.10	1382.20
3763938.31	829.40	857.30	905.40	964.90	1044.10	1180.20	1202.20	1179.70	1257.70
3762938.31	822.50	865.90	944.60	1007.70	1037.60	1078.00	1127.90	1158.40	1182.30
3761938.31	809.00	878.30	953.60	1169.40	1036.50	1099.60	1048.30	1047.60	1121.70
3760938.31	787.90	883.00	940.40	982.90	1006.80	962.30	991.10	1006.40	1068.70
3759938.31	799.00	833.90	872.10	865.40	882.00	901.80	917.10	980.90	1014.00
3758938.31	739.80	775.50	823.60	827.30	844.80	866.20	876.00	896.40	973.80
3757938.31	745.50	766.60	789.80	806.10	812.70	836.20	847.10	869.00	891.20
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	796.10	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	733.70	739.00	748.20	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	698.30	742.60	758.40	806.00	784.40	793.40	782.90	776.00	774.50
3751938.31	688.50	698.30	788.50	827.60	779.20	816.00	826.50	776.50	765.50
3750938.31	637.60	658.70	761.70	746.60	753.10	763.30	778.20	767.10	824.50
3749938.31	565.10	605.60	688.00	741.70	730.60	768.40	748.50	743.00	742.90
3748938.31	600.40	581.60	634.10	689.10	721.10	712.00	735.90	695.10	721.80
3747938.31	612.80	550.40	629.60	635.50	674.00	749.80	680.90	680.10	661.60
3746938.31	475.00	519.90	658.40	668.60	636.20	659.50	635.50	626.90	644.80
3745938.31	457.70	478.30	548.30	576.50	593.60	572.70	612.10	688.50	733.30
3744938.31	445.20	446.70	455.30	487.90	797.60	730.60	713.70	991.50	924.10
3743938.31	441.00	442.60	443.20	451.00	524.60	831.50	1033.10	970.20	1073.70
3742938.31	441.80	443.80	445.20	450.00	460.10	583.10	792.30	1036.30	1119.40
3741938.31	445.60	445.70	445.30	450.20	453.60	459.80	469.30	669.80	974.60

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	677.00	570.00	311.70	305.80	301.50	279.60	328.00	406.00	735.00
3766938.31	677.00	677.00	478.00	303.00	283.00	289.00	434.00	406.00	735.00
3765938.31	677.00	478.00	518.00	478.00	287.10	429.00	434.00	434.00	735.00
3764938.31	677.00	518.00	518.00	518.00	273.50	258.00	434.00	735.00	735.00
3763938.31	677.00	518.00	518.00	518.00	248.90	253.00	257.10	735.00	758.00
3762938.31	677.00	518.00	518.00	518.00	247.90	259.00	580.00	735.00	905.00
3761938.31	518.00	518.00	518.00	373.00	250.50	255.90	580.00	905.00	932.00
3760938.31	227.40	392.00	392.00	392.00	260.30	266.80	580.00	932.00	932.00
3759938.31	231.00	392.00	392.00	392.00	267.80	278.00	905.00	932.00	932.00
3758938.31	225.00	251.00	253.00	263.10	271.10	278.30	905.00	932.00	932.00
3757938.31	242.90	247.20	257.60	343.00	319.00	294.00	905.00	932.00	932.00

3756938.31	240.20	249.30	257.40	318.00	287.90	314.60	330.00	932.00	932.00
3755938.31	246.00	257.10	266.10	276.80	432.00	432.00	359.10	404.00	932.00
3754938.31	248.50	260.00	276.80	296.00	432.00	432.00	397.50	427.00	459.00
3753938.31	260.60	269.80	337.00	300.20	372.00	401.00	408.70	459.30	492.70
3752938.31	270.20	288.00	306.80	324.20	359.90	439.00	470.00	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	374.00	498.00	498.00	466.00	473.80
3750938.31	302.60	319.90	344.80	384.00	359.90	472.00	467.40	475.40	487.80
3749938.31	411.00	337.50	458.00	458.00	446.00	448.00	466.10	486.40	501.00
3748938.31	405.00	480.00	395.00	424.70	455.00	466.30	492.50	543.00	513.50
3747938.31	428.00	456.00	498.00	398.40	559.00	559.00	537.00	535.40	508.80
3746938.31	441.20	476.80	488.00	445.00	447.50	476.50	480.20	486.90	492.60
3745938.31	445.00	478.00	468.00	438.00	420.80	450.00	467.60	496.10	513.30
3744938.31	464.00	450.90	441.80	434.80	451.00	501.00	540.20	507.00	518.10
3743938.31	417.00	422.00	430.30	632.00	633.00	633.00	661.00	685.00	478.80
3742938.31	597.00	710.00	710.00	632.00	633.00	633.00	687.00	687.00	687.00
3741938.31	710.00	710.00	710.00	736.00	633.00	602.00	661.00	680.00	734.00

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	735.00	735.00	735.00	735.00	735.00	341.00	348.00	353.60	357.50
3766938.31	735.00	735.00	735.00	735.00	735.00	481.00	563.00	634.00	642.00
3765938.31	735.00	735.00	735.00	841.00	735.00	461.00	563.00	635.00	644.00
3764938.31	735.00	758.00	735.00	735.00	941.00	941.00	941.00	941.00	941.00
3763938.31	867.00	867.00	856.00	856.00	941.00	941.00	941.00	941.00	634.00
3762938.31	932.00	932.00	941.00	941.00	941.00	941.00	941.00	941.00	941.00
3761938.31	905.00	850.00	867.00	941.00	941.00	874.00	941.00	941.00	941.00
3760938.31	932.00	932.00	905.00	905.00	941.00	941.00	941.00	941.00	941.00
3759938.31	932.00	932.00	932.00	867.00	941.00	941.00	941.00	941.00	941.00
3758938.31	932.00	932.00	932.00	905.00	932.00	941.00	941.00	941.00	941.00
3757938.31	932.00	932.00	932.00	932.00	932.00	941.00	941.00	941.00	941.00
3756938.31	932.00	932.00	932.00	932.00	932.00	932.00	941.00	941.00	890.00
3755938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	890.00
3754938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	497.00	496.10
3753938.31	485.80	932.00	932.00	932.00	932.00	932.00	489.90	488.60	488.00
3752938.31	509.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	509.00	541.00	503.00	478.90	479.00	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	479.00	490.00	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	468.00	490.00	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	478.00	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	462.00	452.80	451.90
3746938.31	566.00	513.50	511.80	536.00	519.10	469.50	454.30	454.50	457.00
3745938.31	559.00	513.20	510.80	517.60	540.00	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	548.00	477.40	461.80	449.40	447.00
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	734.00	528.30	527.90	518.60	515.00	490.80	475.50	455.00	452.00
3741938.31	734.00	734.00	555.50	534.60	537.70	549.40	597.00	460.30	442.90

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	537.00	406.60	408.60	429.30	457.00	516.00	508.00	534.80	565.00
3765938.31	644.00	537.00	495.00	525.00	493.00	516.70	539.40	588.00	645.00
3764938.31	941.00	687.00	858.00	525.00	523.00	575.00	579.80	596.40	666.00
3763938.31	687.00	941.00	858.00	858.00	858.00	623.00	625.00	643.00	677.00
3762938.31	941.00	782.00	858.00	858.00	858.00	641.00	581.00	693.00	693.00
3761938.31	941.00	858.00	858.00	858.00	858.00	858.00	555.00	616.00	654.00
3760938.31	941.00	824.00	858.00	858.00	858.00	802.00	771.00	751.00	654.00
3759938.31	887.00	890.00	833.00	829.00	802.00	771.00	771.00	774.00	774.00
3758938.31	890.00	890.00	890.00	829.00	741.00	731.00	751.00	751.00	774.00
3757938.31	890.00	890.00	890.00	890.00	684.00	603.80	738.00	774.00	774.00
3756938.31	890.00	890.00	890.00	682.00	574.80	581.40	584.90	774.00	774.00
3755938.31	890.00	890.00	890.00	721.00	558.10	556.20	551.80	549.40	607.00
3754938.31	890.00	890.00	518.00	530.30	617.00	537.10	527.60	525.60	528.00
3753938.31	484.50	494.20	500.90	617.00	617.00	615.00	811.00	811.00	777.00
3752938.31	472.20	481.00	482.10	483.90	811.00	811.00	811.00	811.00	811.00
3751938.31	472.00	468.70	466.60	798.00	811.00	811.00	811.00	811.00	811.00
3750938.31	462.20	741.00	777.00	798.00	811.00	811.00	798.00	811.00	811.00
3749938.31	766.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00	811.00
3748938.31	777.00	777.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00
3747938.31	777.00	777.00	777.00	777.00	777.00	810.00	811.00	810.00	804.00
3746938.31	777.00	777.00	777.00	777.00	810.00	810.00	810.00	810.00	810.00
3745938.31	444.60	777.00	777.00	810.00	810.00	810.00	810.00	810.00	810.00
3744938.31	442.20	442.80	757.00	810.00	810.00	810.00	810.00	810.00	810.00
3743938.31	442.20	443.90	757.00	810.00	810.00	757.00	810.00	810.00	810.00
3742938.31	443.00	436.50	757.00	757.00	810.00	810.00	810.00	810.00	810.00
3741938.31	440.00	443.00	757.00	757.00	757.00	810.00	810.00	810.00	444.80

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	985.00	1018.00	1018.00	1018.00	985.00	1018.00	1656.00	1771.00
3766938.31	626.00	757.00	757.00	985.00	1018.00	1018.00	1611.00	1677.00	1771.00
3765938.31	663.00	671.10	784.00	1018.00	1018.00	1018.00	1611.00	1677.00	1771.00
3764938.31	681.00	628.90	634.80	634.90	985.00	717.30	1611.00	1677.00	1740.00
3763938.31	668.00	687.00	638.00	664.00	690.00	721.00	735.10	1677.00	1677.00
3762938.31	686.00	682.00	684.00	690.00	689.00	720.00	737.10	1611.00	1677.00
3761938.31	686.00	678.00	682.00	691.00	705.00	717.00	734.10	758.40	1677.00
3760938.31	697.00	685.00	677.00	715.00	708.00	696.00	723.00	776.00	785.00
3759938.31	769.00	755.00	701.00	715.00	717.00	708.00	705.00	707.60	1200.00
3758938.31	755.00	762.00	764.00	648.00	712.00	677.00	736.00	710.00	705.00
3757938.31	769.00	764.00	764.00	748.00	730.00	794.00	736.00	712.00	730.00
3756938.31	760.00	761.00	764.00	763.00	794.00	794.00	735.00	728.00	744.70
3755938.31	760.00	760.00	683.00	727.00	794.00	768.00	742.00	678.00	717.00
3754938.31	546.00	639.00	627.00	727.00	711.00	768.00	747.00	739.00	757.00
3753938.31	777.00	569.00	596.00	581.00	692.00	653.00	745.00	771.00	771.00
3752938.31	811.00	777.00	575.00	529.00	628.00	615.00	625.00	771.00	746.00
3751938.31	811.00	777.00	461.00	460.80	578.00	546.20	592.00	746.00	709.00
3750938.31	811.00	811.00	437.30	433.00	456.70	518.00	713.00	713.00	680.00
3749938.31	811.00	811.00	432.30	428.00	441.00	713.00	713.00	713.00	713.00
3748938.31	811.00	729.00	729.00	432.00	439.00	713.00	713.00	713.00	663.00
3747938.31	804.00	804.00	729.00	437.00	430.60	428.00	713.00	713.00	663.00
3746938.31	810.00	804.00	599.00	436.10	434.50	439.70	433.90	653.00	663.00
3745938.31	810.00	804.00	437.10	439.10	796.00	796.00	438.10	435.60	446.20
3744938.31	810.00	804.00	436.10	796.00	796.00	796.00	796.00	796.00	439.20
3743938.31	810.00	447.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3742938.31	453.00	463.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3741938.31	459.30	477.60	796.00	796.00	796.00	796.00	781.00	796.00	796.00

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** CO (No Refrigeration) *** 15:38:45
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3766938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1641.00	1771.00	1771.00	1771.00
3765938.31	1771.00	1771.00	1677.00	1771.00	1771.00	1677.00	1677.00	1771.00	1771.00
3764938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3763938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3762938.31	1677.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3761938.31	1677.00	1677.00	1677.00	1183.00	1677.00	1677.00	1771.00	1771.00	1771.00
3760938.31	1677.00	1611.00	1677.00	1677.00	1677.00	1771.00	1771.00	1771.00	1677.00
3759938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1771.00	1771.00	1677.00	1333.00
3758938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1677.00	1677.00	1677.00	1058.00
3757938.31	748.00	766.60	1200.00	1200.00	1194.00	836.20	847.10	1058.00	1058.00
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	799.00	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	754.00	772.00	780.00	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	741.00	744.00	859.00	818.00	784.40	793.40	782.90	776.00	774.50
3751938.31	702.00	859.00	869.00	869.00	781.00	816.00	826.50	936.00	936.00
3750938.31	679.00	869.00	799.00	869.00	792.00	773.00	791.00	936.00	936.00
3749938.31	782.00	860.00	774.00	749.00	819.00	819.00	753.00	936.00	936.00
3748938.31	644.00	670.00	716.00	711.00	783.00	783.00	745.00	748.00	726.00
3747938.31	618.00	800.00	800.00	800.00	830.00	830.00	1129.00	1147.00	1147.00
3746938.31	800.00	800.00	800.00	800.00	1147.00	1147.00	1168.00	1168.00	1168.00
3745938.31	800.00	1133.00	1133.00	1147.00	1168.00	1168.00	1168.00	1168.00	1168.00
3744938.31	1129.00	1147.00	1168.00	1168.00	1133.00	1168.00	1168.00	1016.00	1168.00
3743938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1133.00	1168.00	1078.00
3742938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00
3741938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

484551.7, 484651.7, 484751.7, 484851.7, 484951.7, 485051.7, 485151.7, 485251.7, 485351.7, 485451.7,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.4, 3751034.4, 3751134.4, 3751234.4, 3751334.4, 3751434.4, 3751534.4, 3751634.4, 3751734.4, 3751834.4,
3751934.4, 3752034.4, 3752134.4, 3752234.4, 3752334.4, 3752434.4, 3752534.4, 3752634.4, 3752734.4, 3752834.4,
3752934.4, 3753034.4, 3753134.4, 3753234.4, 3753334.4, 3753434.4, 3753534.4, 3753634.4, 3753734.4, 3753834.4,
3753934.4, 3754034.4, 3754134.4, 3754234.4, 3754334.4, 3754434.4, 3754534.4, 3754634.4,

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	524.70	525.20	523.10	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	523.30	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	521.50	520.70	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	518.70	518.40	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	516.90	518.10	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	518.10	514.80	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	517.70	512.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	515.80	511.30	512.10	511.60	512.10	508.80	506.80	509.90	509.10
3753834.43	510.50	509.90	507.90	511.00	507.90	508.00	508.50	506.70	502.40
3753734.43	507.90	507.90	506.50	506.80	505.40	503.10	508.40	504.90	503.30
3753634.43	505.40	508.10	501.40	503.70	503.70	503.30	503.20	503.00	502.00
3753534.43	502.40	500.60	501.10	505.00	504.30	501.80	501.10	498.80	499.90
3753434.43	498.20	500.10	501.50	501.30	502.50	501.60	499.50	497.50	498.00
3753334.43	498.80	499.20	497.80	498.20	498.30	499.50	497.40	496.00	496.90
3753234.43	496.80	496.00	496.70	497.80	496.40	495.20	496.20	494.90	496.00
3753134.43	498.10	497.00	494.60	493.00	495.50	495.30	497.10	492.90	491.50
3753034.43	494.30	493.10	494.60	493.00	494.00	492.80	493.70	491.30	491.10
3752934.43	487.60	488.10	490.80	488.60	490.80	489.70	490.10	490.20	488.40
3752834.43	488.90	488.00	489.10	488.80	488.50	487.50	487.80	490.40	486.40
3752734.43	486.30	487.90	485.40	485.50	485.30	487.90	484.30	486.00	484.80
3752634.43	486.90	484.10	487.00	485.90	483.90	490.10	488.80	486.00	483.20
3752534.43	483.40	482.40	478.60	483.50	481.50	482.10	483.90	481.50	482.60
3752434.43	480.00	484.30	482.60	483.00	481.10	477.10	483.10	479.20	483.50
3752334.43	478.40	481.10	480.70	479.00	480.30	479.30	481.40	480.90	483.80
3752234.43	475.80	477.00	481.50	478.90	478.30	472.50	481.10	479.50	483.70
3752134.43	475.40	478.80	479.20	479.80	480.70	479.50	480.70	485.90	491.70
3752034.43	480.20	481.20	476.20	478.10	482.00	478.70	482.40	487.10	493.80
3751934.43	475.60	477.20	479.30	478.60	479.40	482.60	487.80	490.10	497.20
3751834.43	475.90	478.80	480.40	483.60	480.90	486.20	491.70	498.90	506.50
3751734.43	482.60	483.70	490.40	491.10	488.70	490.80	495.50	501.30	512.70
3751634.43	487.30	492.60	492.30	493.50	495.90	493.70	501.30	512.90	527.00
3751534.43	490.70	494.00	501.90	502.10	505.60	504.10	514.20	535.70	561.00
3751434.43	495.40	502.10	507.10	510.40	512.40	522.30	540.90	563.70	601.20
3751334.43	500.20	504.10	509.30	515.40	516.70	531.00	556.50	596.00	635.10
3751234.43	504.80	510.60	515.40	521.50	530.10	547.10	570.50	612.20	650.20
3751134.43	512.40	513.00	516.40	540.90	547.30	559.70	574.00	609.80	636.10
3751034.43	514.10	518.70	538.20	566.60	558.70	570.80	594.70	631.60	660.00
3750934.43	532.10	531.70	564.30	576.10	577.60	587.10	618.00	658.00	693.50

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	516.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	507.50
3753934.43	507.60
3753834.43	504.10
3753734.43	502.70
3753634.43	500.40
3753534.43	500.80
3753434.43	497.40
3753334.43	496.10
3753234.43	494.70
3753134.43	492.30
3753034.43	491.70
3752934.43	485.90
3752834.43	487.20
3752734.43	485.10
3752634.43	485.10
3752534.43	484.10
3752434.43	485.40
3752334.43	484.70
3752234.43	491.00
3752134.43	493.80
3752034.43	502.20
3751934.43	504.90
3751834.43	515.40
3751734.43	523.90
3751634.43	548.80
3751534.43	594.90
3751434.43	642.40
3751334.43	689.90
3751234.43	687.90
3751134.43	679.30
3751034.43	697.10
3750934.43	732.40

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD | X-COORD (METERS)

(METERS)	484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	615.00	527.00	526.00	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	615.00	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	616.00	615.00	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	616.00	615.00	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	616.00	615.00	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	616.00	615.00	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	615.00	615.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	615.00	559.00	512.10	511.60	512.10	508.80	811.00	811.00	811.00
3753834.43	615.00	559.00	507.90	511.00	811.00	811.00	811.00	811.00	811.00
3753734.43	613.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3750934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	520.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	811.00
3753934.43	811.00
3753834.43	811.00
3753734.43	811.00
3753634.43	811.00
3753534.43	811.00
3753434.43	811.00
3753334.43	811.00
3753234.43	811.00
3753134.43	811.00
3753034.43	811.00
3752934.43	811.00
3752834.43	811.00
3752734.43	811.00
3752634.43	811.00
3752534.43	811.00
3752434.43	811.00
3752334.43	811.00
3752234.43	811.00
3752134.43	811.00
3752034.43	811.00
3751934.43	811.00
3751834.43	811.00
3751734.43	811.00
3751634.43	811.00
3751534.43	811.00
3751434.43	811.00
3751334.43	811.00
3751234.43	811.00
3751134.43	811.00
3751034.43	811.00
3750934.43	811.00

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

485549.5, 485649.5, 485749.5, 485849.5,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.9, 3751034.9, 3751134.9, 3751234.9, 3751334.9, 3751434.9, 3751534.9, 3751634.9, 3751734.9, 3751834.9,
3751934.9, 3752034.9, 3752134.9, 3752234.9, 3752334.9, 3752434.9, 3752534.9, 3752634.9, 3752734.9, 3752834.9,
3752934.9, 3753034.9, 3753134.9, 3753234.9, 3753334.9, 3753434.9,

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	497.00	494.70	493.80	492.50
3753334.90	495.20	494.30	494.20	494.90
3753234.90	493.20	495.50	492.40	492.80
3753134.90	490.00	490.70	490.50	489.50
3753034.90	490.20	491.70	489.20	490.10
3752934.90	488.20	488.60	486.50	488.00
3752834.90	489.00	487.30	488.80	488.50
3752734.90	488.90	487.30	487.40	486.30
3752634.90	486.00	486.60	486.90	486.00
3752534.90	486.00	484.20	484.00	486.00
3752434.90	485.70	485.00	488.10	493.30
3752334.90	489.50	491.30	494.00	502.10
3752234.90	493.50	496.70	497.00	506.50
3752134.90	498.50	502.00	503.90	507.60
3752034.90	508.20	508.10	511.20	522.80
3751934.90	513.90	513.00	519.30	532.40
3751834.90	518.10	529.70	538.40	559.00
3751734.90	531.80	533.60	558.40	605.00
3751634.90	557.00	570.60	588.90	622.30
3751534.90	599.00	611.20	626.10	628.30
3751434.90	659.50	664.00	669.40	643.70
3751334.90	702.50	703.50	696.20	663.60
3751234.90	708.30	736.50	713.70	692.00
3751134.90	720.70	748.90	725.50	720.30
3751034.90	744.10	769.60	738.00	734.40
3750934.90	771.00	782.40	753.40	754.20

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	811.00	811.00	811.00	811.00
3753334.90	811.00	811.00	811.00	811.00
3753234.90	811.00	811.00	811.00	811.00
3753134.90	811.00	811.00	811.00	811.00
3753034.90	811.00	811.00	811.00	811.00
3752934.90	811.00	811.00	811.00	811.00
3752834.90	811.00	811.00	811.00	811.00
3752734.90	811.00	811.00	811.00	811.00
3752634.90	811.00	811.00	811.00	811.00
3752534.90	811.00	811.00	811.00	811.00
3752434.90	811.00	811.00	811.00	811.00
3752334.90	811.00	811.00	811.00	811.00
3752234.90	811.00	811.00	811.00	811.00
3752134.90	811.00	811.00	811.00	811.00
3752034.90	811.00	811.00	811.00	811.00
3751934.90	811.00	811.00	811.00	811.00
3751834.90	811.00	811.00	811.00	811.00
3751734.90	811.00	811.00	811.00	811.00
3751634.90	811.00	811.00	811.00	811.00
3751534.90	811.00	811.00	811.00	811.00
3751434.90	811.00	811.00	811.00	811.00
3751334.90	811.00	811.00	811.00	811.00
3751234.90	811.00	811.00	811.00	811.00
3751134.90	811.00	811.00	811.00	811.00
3751034.90	811.00	798.00	811.00	811.00
3750934.90	798.00	798.00	811.00	811.00

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(485619.4, 3753969.7, 505.7, 811.0, 0.0); (485713.0, 3753961.9, 506.6, 811.0, 0.0);
(487190.8, 3754410.3, 509.4, 776.0, 0.0); (487194.8, 3754289.5, 507.2, 777.0, 0.0);
(487268.8, 3754090.6, 503.1, 777.0, 0.0); (487483.3, 3754102.3, 502.0, 777.0, 0.0);

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** CO (No Refrigeration) *** 15:38:45
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

```
* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
  LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

      SOURCE          - - RECEPTOR LOCATION - -         DISTANCE
        ID            XR (METERS)   YR (METERS)         (METERS)
    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    L0112010            485553.0     3754938.3            -8.64
    L0112011            485553.0     3754938.3            -0.74
    L0111084            487190.8     3754410.3            -0.17
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                   *** CO (No Refrigeration)                                                  ***        15:38:45
                                                                                                                         PAGE  47
 **MODELOPTS:  NonDFAULT CONC                                                    ELEV
                         FASTALL

                                        *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                   (1=YES; 0=NO)

          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1

              NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                     *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                   (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                   *** CO (No Refrigeration)                                                  ***        15:38:45
                                                                                                                         PAGE  48
 **MODELOPTS:  NonDFAULT CONC                                                    ELEV
                         FASTALL

                                      *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

   Surface file:   RIVR2.SFC                                                                          Met Version:  11059
   Profile file:   RIVR2.PFL
   Surface format: FREE
   Profile format: FREE
   Surface station no.:        2                  Upper air station no.:     3190
                  Name: UNKNOWN                                   Name: UNKNOWN
                  Year:   2005                                    Year:   2005

 First 24 hours of scalar data
 YR MO DY JDY HR     HO     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 05 01 01   1 01   -7.5  0.135 -9.000 -9.000 -999.  115.     29.0  0.39   1.00   1.00    1.60  338.    9.1  279.2    5.5
 05 01 01   1 02   -2.2  0.057 -9.000 -9.000 -999.   34.      7.4  0.39   1.00   1.00    0.90  264.    9.1  279.2    5.5
 05 01 01   1 03   -4.0  0.070 -9.000 -9.000 -999.   42.      7.4  0.39   1.00   1.00    1.10   54.    9.1  278.8    5.5
 05 01 01   1 04   -1.6  0.044 -9.000 -9.000 -999.   21.      4.7  0.39   1.00   1.00    0.70  360.    9.1  278.8    5.5
 05 01 01   1 05   -2.7  0.063 -9.000 -9.000 -999.   37.      8.2  0.39   1.00   1.00    1.00  318.    9.1  278.1    5.5
 05 01 01   1 06   -2.8  0.070 -9.000 -9.000 -999.   42.     10.5  0.39   1.00   1.00    1.10   53.    9.1  277.5    5.5
 05 01 01   1 07   -3.8  0.070 -9.000 -9.000 -999.   42.      7.7  0.39   1.00   1.00    1.10  134.    9.1  278.8    5.5
 05 01 01   1 08   -2.3  0.057 -9.000 -9.000 -999.   31.      7.0  0.39   1.00   0.53    0.90  319.    9.1  278.8    5.5
 05 01 01   1 09   29.7  0.193  0.388  0.005   69.  195.    -21.1  0.39   1.00   0.32    1.20  110.    9.1  282.0    5.5
 05 01 01   1 10   78.5  0.248  1.193  0.005  760.  285.    -17.1  0.39   1.00   0.25    1.50  107.    9.1  284.2    5.5
 05 01 01   1 11  118.9  0.316  1.511  0.007 1020.  409.    -23.3  0.39   1.00   0.22    2.00  122.    9.1  285.9    5.5
 05 01 01   1 12  132.2  0.238  1.665  0.009 1227.  270.     -9.0  0.39   1.00   0.21    1.30  154.    9.1  287.0    5.5
 05 01 01   1 13   80.9  0.249  1.421  0.009 1245.  286.    -16.8  0.39   1.00   0.21    1.50  166.    9.1  287.0    5.5
 05 01 01   1 14   80.7  0.305  1.427  0.009 1263.  388.    -31.0  0.39   1.00   0.23    2.00  235.    9.1  287.5    5.5
 05 01 01   1 15   36.6  0.321  1.098  0.009 1270.  419.    -79.5  0.39   1.00   0.26    2.30  305.    9.1  286.4    5.5
 05 01 01   1 16    1.2  0.206  0.354  0.009 1271.  221.   -629.7  0.39   1.00   0.35    1.60  292.    9.1  285.9    5.5
 05 01 01   1 17  -11.9  0.181 -9.000 -9.000 -999.  178.     44.1  0.39   1.00   0.63    1.90  280.    9.1  285.4    5.5
 05 01 01   1 18  -17.1  0.313 -9.000 -9.000 -999.  404.    158.3  0.39   1.00   1.00    2.70  304.    9.1  284.2    5.5
 05 01 01   1 19   -8.7  0.159 -9.000 -9.000 -999.  161.     40.6  0.39   1.00   1.00    1.70  311.    9.1  283.8    5.5
 05 01 01   1 20   -3.8  0.070 -9.000 -9.000 -999.   48.      7.8  0.39   1.00   1.00    1.10   13.    9.1  283.1    5.5
 05 01 01   1 21   -4.7  0.076 -9.000 -9.000 -999.   48.      8.2  0.39   1.00   1.00    1.20    8.    9.1  282.0    5.5
 05 01 01   1 22   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80  183.    9.1  280.9    5.5
 05 01 01   1 23   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   16.    9.1  280.4    5.5
 05 01 01   1 24   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   62.    9.1  279.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 05 01 01 01    5.5 0 -999.  -99.00   279.3   99.0  -99.00  -99.00
 05 01 01 01    9.1 1  338.    1.60  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                   *** CO (No Refrigeration)                                                  ***        15:38:45
                                                                                                                         PAGE  49
 **MODELOPTS:  NonDFAULT CONC                                                    ELEV
                         FASTALL

                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                              INCLUDING SOURCE(S):     PHASE1      , L0112311    , L0112312    , L0112313    , L0112314    ,
              L0112315    , L0112316    , L0111920    , L0111921    , L0111922    , L0111923    , L0111924    , L0111925    ,
              L0111926    , L0111927    , L0111928    , L0111929    , L0110824    , L0110825    , L0110826    , L0110827    ,
              L0110828    , L0110829    , L0110830    , L0110831    , L0110832    , L0110833    , L0110834    ,  . . .      ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                        ** CONC OF CO       IN MICROGRAMS/M**3                          **

  Y-COORD  |                                                  X-COORD (METERS)
```

(METERS)	461553.03	462553.03	463553.03	464553.03	465553.03
3767938.3	3.87729 (07092502)	5.08643 (07092502)	5.58412 (07092502)	5.01168 (07092502)	3.83311 (07102620)
3766938.3	3.46221 (07060702)	3.37485 (07060702)	4.34643 (07092502)	5.51944 (07092502)	5.71179 (07092502)
3765938.3	3.80679 (06092623)	4.01134 (07121101)	3.58905 (07060702)	3.51965 (07060702)	4.91580 (07092502)
3764938.3	3.58776 (07100404)	4.10172 (07100404)	4.09428 (06092623)	3.94179 (07121101)	3.75556 (07060702)
3763938.3	3.52538 (07092223)	3.71211 (07092223)	3.55840 (07100404)	4.04338 (07100404)	4.06048 (06092623)
3762938.3	3.50861 (07091801)	3.55881 (06092104)	3.62607 (06092104)	3.69298 (07092223)	3.56675 (06100604)
3761938.3	3.43959 (06123006)	3.44120 (07121805)	3.63133 (07121805)	3.77071 (07091801)	3.88406 (06092104)
3760938.3	3.66852 (07111902)	3.91072 (07121904)	3.93855 (07121904)	3.80387 (06123006)	3.83594 (06123006)
3759938.3	3.48694 (07091305)	3.70777 (07111902)	4.20436 (07111902)	4.20041 (07111902)	4.29491 (07121904)
3758938.3	3.87523 (07082005)	4.01694 (07082005)	4.17077 (07091305)	4.26058 (07091305)	4.19432 (07091305)
3757938.3	4.42606 (07082705)	4.16148 (07082705)	4.09730 (07010408)	4.32433 (07010408)	4.34094 (07010408)
3756938.3	5.67086 (07082705)	5.95969 (07082705)	6.18717 (07082705)	6.36614 (07082705)	6.49196 (07082705)
3755938.3	3.95287 (07070203)	4.11052 (07070203)	4.25432 (07070203)	4.70714 (07082705)	5.31489 (07082705)
3754938.3	3.30865 (06043002)	3.44319 (06043002)	3.60128 (07081323)	3.78910 (07093001)	4.02195 (07093001)
3753938.3	3.40253 (07121524)	3.60874 (07121524)	3.85395 (07121524)	4.12161 (07121524)	4.52427 (07121524)
3752938.3	5.70677 (07121524)	5.95178 (07121524)	6.25143 (07121524)	6.53977 (07121524)	6.94557 (07121524)
3751938.3	4.28436 (07121524)	4.24957 (07121524)	4.50110 (07051105)	5.11976 (07051105)	5.83594 (07051105)
3750938.3	5.79775 (07051105)	6.06785 (07051105)	6.31718 (07051105)	6.47572 (07121401)	6.75649 (07121401)
3749938.3	5.41506 (07121401)	5.27767 (07121401)	5.24082 (07121401)	5.10929 (07121401)	4.71530 (07121401)
3748938.3	3.60138 (07103105)	3.83427 (07103105)	4.27341 (07103105)	4.63722 (07103105)	4.78616 (07103105)
3747938.3	4.13396 (07103105)	4.10008 (06100505)	4.25182 (06100505)	4.48728 (06100505)	4.57771 (06100505)
3746938.3	4.21502 (06100505)	4.20332 (06100505)	4.12565 (06123105)	4.10772 (07042402)	4.32572 (06121106)
3745938.3	3.87133 (07042402)	4.07182 (06121106)	3.95758 (06121106)	3.88071 (05030406)	4.24376 (07091806)
3744938.3	3.52052 (05030406)	3.79473 (07091806)	4.27168 (07091806)	4.41226 (07091806)	4.55148 (07020703)
3743938.3	4.03795 (07091806)	4.03201 (07020703)	4.21019 (07020703)	3.97753 (07020703)	4.24411 (07091423)
3742938.3	3.94291 (07020703)	3.61265 (07020703)	4.11637 (07091423)	4.74020 (07091423)	4.66005 (07091423)
3741938.3	3.96953 (07091423)	5.51176 (07091423)	5.31170 (07091423)	4.74511 (07081405)	6.07134 (07092702)

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 466553.03	467553.03	468553.03	469553.03	470553.03
3767938.3	3.62784 (06110205)	4.08276 (07091603)	5.55284 (07082106)	5.86872 (07082106)	5.85968 (07093024)
3766938.3	4.78049 (07092502)	3.66965 (07102620)	4.54978 (07091603)	5.37361 (07082106)	6.35953 (07082106)
3765938.3	5.88221 (07092502)	5.91495 (07092502)	5.09365 (07092502)	4.15063 (07091603)	5.15527 (07082106)
3764938.3	3.84260 (07092502)	5.46591 (07092502)	6.48004 (07092502)	5.95219 (07092502)	4.50534 (07092502)
3763938.3	4.10775 (07121101)	3.97646 (07060702)	4.53712 (07092502)	6.35946 (07092502)	7.14052 (07092502)
3762938.3	4.19788 (07100404)	4.40565 (07100404)	4.48460 (07121101)	4.42541 (07060702)	5.50648 (07092502)
3761938.3	4.00460 (07092223)	4.01062 (07092223)	4.46052 (07100404)	4.93412 (07100404)	5.34516 (06092623)
3760938.3	4.05706 (07121805)	4.24678 (07091801)	4.42964 (06092104)	4.65421 (07092223)	5.01665 (07100404)
3759938.3	4.50924 (07121904)	4.43001 (07121904)	4.41509 (06123006)	4.71472 (07121805)	5.01954 (07100903)
3758938.3	4.29616 (07111902)	4.72943 (07111902)	4.92315 (07111902)	5.17860 (07121904)	5.39241 (07121904)
3757938.3	4.58271 (07082005)	4.82331 (07082005)	5.06827 (07091305)	5.21788 (07091305)	5.38656 (07111902)
3756938.3	6.58037 (07082705)	6.46675 (07082705)	6.12846 (07082705)	5.93243 (07082705)	5.83363 (07082705)
3755938.3	6.13298 (07082705)	6.87260 (07082705)	7.73590 (07082705)	8.09496 (07082705)	9.43478 (07082705)
3754938.3	4.41445 (07093001)	4.69722 (07093001)	5.03350 (07093001)	5.37884 (07093001)	5.71998 (07093001)
3753938.3	4.98139 (07121524)	5.42447 (07121524)	6.04558 (07121524)	6.54986 (07121524)	7.08517 (07121524)
3752938.3	7.47224 (07121524)	7.97753 (07121524)	8.37122 (07121524)	8.70067 (07121524)	9.08935 (07121524)
3751938.3	6.59805 (07051105)	7.34740 (07051105)	8.06186 (07051105)	8.66258 (07051105)	9.20339 (07051105)
3750938.3	7.21186 (07121401)	7.59396 (07121401)	7.52479 (07121401)	7.32707 (07121401)	7.45199 (07121401)
3749938.3	4.47190 (07103105)	5.08042 (07103105)	5.55504 (07103105)	6.09407 (07103105)	7.74038 (07103105)
3748938.3	4.76575 (06100505)	5.35813 (06100505)	7.25928 (06100505)	6.37849 (06100505)	6.84739 (06100505)
3747938.3	6.20603 (06100505)	6.15448 (06123105)	6.43695 (07042402)	5.57504 (06121106)	5.94386 (07082824)
3746938.3	4.37708 (06121106)	4.43847 (05030406)	5.14202 (07091806)	5.44690 (07091806)	6.98450 (07020703)
3745938.3	4.74513 (07091806)	4.90812 (07020703)	5.18921 (07020703)	5.48328 (07020703)	6.93697 (07091423)
3744938.3	4.49248 (07020703)	5.52495 (07091423)	5.60681 (07091423)	6.01286 (07091423)	6.73268 (07092702)
3743938.3	4.64225 (07091423)	4.48970 (07091423)	5.84419 (07092702)	6.94613 (07092702)	6.84559 (07092702)
3742938.3	5.18139 (07092702)	6.38224 (07092702)	6.88981 (07092702)	6.07119 (07031506)	5.96930 (07031506)
3741938.3	6.57952 (07092702)	5.94723 (07092702)	5.85937 (07031506)	5.58800 (07040103)	5.51475 (07041906)

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 471553.03	472553.03	473553.03	474553.03	475553.03
3767938.3	5.85521 (07093024)	5.85045 (07020206)	5.99449 (07020206)	4.36678 (07020206)	4.64896 (06110122)
3766938.3	6.14648 (07093024)	6.55397 (07093024)	6.22586 (07020206)	6.70021 (07020206)	4.97383 (06110122)
3765938.3	6.83382 (07082106)	6.97378 (07082106)	7.11101 (07093024)	6.91974 (07020206)	7.52279 (07020206)
3764938.3	4.95544 (07091603)	7.82080 (07082106)	7.87586 (07082106)	7.81130 (07093024)	7.62613 (07020206)
3763938.3	6.27022 (07092502)	5.34587 (07091603)	7.72319 (07082106)	8.40244 (07082106)	8.53729 (07093024)
3762938.3	7.54442 (07092502)	7.97793 (07092502)	6.50867 (07092502)	7.23723 (07082106)	9.71415 (07082106)
3761938.3	7.92378 (06120907)	8.21561 (07060702)	9.28941 (07092502)	9.23942 (07092502)	7.43722 (07102620)
3760938.3	6.06725 (07100404)	9.06162 (06092623)	8.83230 (07121101)	9.27097 (07060702)	10.69770 (07092502)
3759938.3	5.30884 (07092223)	8.79272 (07092223)	7.82261 (07100404)	10.32815 (07100404)	10.40129 (06120907)

3758938.3	5.45290	(06123006)	8.13248	(07121805)	7.42686	(07091801)	10.57664	(06092104)	11.06760	(06100604)
3757938.3	6.13129	(07111902)	7.86065	(07121904)	8.97953	(07121904)	9.07379	(07121904)	12.00579	(07072001)
3756938.3	6.37430	(07082005)	6.81307	(07082005)	8.66353	(07091305)	10.36543	(07091305)	12.32113	(07111902)
3755938.3	10.22390	(07082705)	10.50788	(07082705)	11.05693	(07082705)	11.50011	(07082705)	11.42545	(07082705)
3754938.3	6.14257	(07070203)	6.81789	(07082705)	8.14015	(07082705)	9.70840	(07082705)	11.66800	(07082705)
3753938.3	7.49102	(07121524)	8.25612	(07121524)	9.04471	(07121524)	9.91768	(07121524)	10.97709	(07121524)
3752938.3	9.30177	(07121524)	9.49527	(07121524)	9.78512	(07121524)	10.16422	(07121524)	11.27025	(07051105)
3751938.3	10.05647	(07051105)	9.92485	(07051105)	10.38879	(07121401)	10.66788	(07121401)	10.73041	(07121401)
3750938.3	7.54970	(07042503)	7.11119	(07103105)	6.78833	(07103105)	6.87507	(06100505)	7.48981	(06100505)
3749938.3	7.87102	(06100505)	7.80845	(06100505)	6.09675	(06123105)	6.46003	(06121106)	6.54779	(05030406)
3748938.3	7.15431	(07042402)	6.89926	(06121106)	6.37381	(07091806)	6.62007	(07091806)	6.69111	(07020703)
3747938.3	6.90338	(07091806)	7.19335	(07091806)	7.12339	(07020703)	6.45367	(07091423)	8.33811	(07092702)
3746938.3	6.16734	(07020703)	6.60944	(07091423)	7.58629	(07091423)	9.07420	(07092702)	8.78475	(07092702)
3745938.3	6.17867	(07091423)	7.75453	(07092702)	8.46452	(07092702)	7.23312	(07092702)	5.71749	(06100306)
3744938.3	7.69424	(07092702)	7.31322	(07092702)	6.17138	(07031506)	6.86099	(06100306)	5.83558	(06083104)
3743938.3	5.71146	(07092702)	5.24271	(06100306)	5.25524	(07041906)	6.36894	(06083104)	5.29494	(06091723)
3742938.3	6.04907	(06100306)	5.97164	(06083104)	6.26630	(06083104)	5.74732	(06091723)	6.91072	(07122901)
3741938.3	6.08234	(06083104)	6.19117	(06083104)	6.02644	(06091723)	6.68532	(07122901)	7.07017	(07122901)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 476553.03		477553.03		478553.03		479553.03		480553.03	
3767938.3	4.85605	(07031523)	5.89291	(07092705)	6.29532	(07092705)	6.10998	(07062603)	4.95354	(07102602)
3766938.3	4.87338	(06110122)	5.21879	(07031523)	6.77563	(07092705)	6.79195	(07062603)	5.82247	(07062603)
3765938.3	5.70288	(06110122)	5.53627	(07090104)	6.47037	(07092705)	7.63030	(07092705)	7.02374	(07062603)
3764938.3	8.06905	(07020206)	7.48984	(06110122)	6.69566	(07031523)	7.81587	(07092705)	8.08019	(07062603)
3763938.3	8.23917	(07020206)	8.87962	(07020206)	7.84279	(06110122)	8.19752	(07031523)	8.83332	(07092705)
3762938.3	9.29531	(07093024)	8.95195	(07093024)	9.71924	(07020206)	8.42456	(06110122)	8.63179	(07031523)
3761938.3	9.32401	(07082106)	9.99884	(07082106)	10.51150	(07093024)	9.92166	(07020206)	8.25630	(06110122)
3760938.3	8.41041	(07092502)	8.11363	(07082106)	11.18145	(07082106)	11.25909	(07093024)	9.08293	(07020206)
3759938.3	10.97203	(07092502)	10.41836	(07092502)	11.02810	(07102620)	10.61118	(07082106)	10.89041	(07093024)
3758938.3	11.87404	(07100404)	12.62920	(07121101)	13.29253	(07092502)	11.21922	(07092502)	9.87666	(07082106)
3757938.3	11.04290	(06092104)	13.67468	(07092223)	14.45808	(07100404)	13.91892	(06092623)	13.27762	(07092502)
3756938.3	11.58141	(07121904)	11.15193	(06123006)	15.24946	(07072001)	16.83223	(07091801)	17.52338	(07092223)
3755938.3	11.04281	(07082705)	11.21357	(07091305)	12.43956	(07111902)	17.29464	(07111902)	20.14115	(07111902)
3754938.3	13.44598	(07082705)	15.10888	(07082705)	16.71342	(07082705)	18.30038	(07082705)	21.92309	(07082705)
3753938.3	12.13911	(07121524)	13.44949	(07121524)	14.93458	(07121524)	16.58138	(07121524)	18.55304	(07121524)
3752938.3	12.61097	(07051105)	13.92895	(07051105)	15.27867	(07051105)	16.43005	(07051105)	17.95787	(07051105)
3751938.3	10.51609	(07121401)	10.01013	(07121401)	9.75447	(07103105)	10.94318	(06100505)	11.76029	(07042402)
3750938.3	7.72242	(06100505)	8.12789	(07030805)	8.93409	(07091806)	10.07618	(07091806)	12.80913	(07092702)
3749938.3	7.55261	(07091806)	8.00810	(07020703)	9.39238	(07092702)	12.95525	(07092702)	13.54748	(07092702)
3748938.3	7.24443	(07091423)	10.23913	(07092702)	11.55206	(07092702)	9.99820	(07092702)	8.97011	(06083104)
3747938.3	9.97333	(07092702)	9.33481	(07092702)	7.02574	(06100306)	7.70530	(06083104)	10.99205	(07122901)
3746938.3	6.90369	(07092702)	6.37935	(06083104)	6.75296	(06083104)	9.57987	(07122901)	9.81354	(07122901)
3745938.3	6.09082	(06083104)	5.98540	(06083104)	8.59679	(07122901)	8.76618	(07122901)	6.42645	(06112404)
3744938.3	5.59154	(06091723)	7.84578	(07122901)	8.05166	(07122901)	5.98560	(06112404)	6.25622	(07062605)
3743938.3	7.29909	(07122901)	7.51974	(07122901)	5.67009	(06112404)	5.62947	(07062605)	5.88135	(06101207)
3742938.3	7.16908	(07122901)	5.39614	(07122901)	5.09575	(06031602)	5.49544	(07062605)	5.57835	(07091523)
3741938.3	5.43557	(07122901)	4.85912	(07123004)	5.24024	(07062605)	5.20706	(06101207)	5.12594	(07091523)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 481553.03		482553.03		483553.03		484553.03		485553.03	
3767938.3	4.80801	(07070424)	5.16136	(07090904)	5.20220	(07062705)	5.58464	(07072406)	6.68834	(07072406)
3766938.3	5.26715	(07102602)	5.38790	(07090904)	5.44340	(07062705)	5.63691	(07072406)	7.10945	(07072406)
3765938.3	5.82855	(07102602)	5.68366	(07070424)	5.79934	(07090904)	6.55938	(07092501)	8.03217	(07072406)
3764938.3	6.81382	(07062603)	5.98340	(07102602)	6.78498	(07090904)	7.91570	(07062705)	8.58654	(07072406)
3763938.3	8.73879	(07062603)	6.58490	(07102602)	6.57692	(07090904)	7.98967	(07062705)	8.94408	(07072406)
3762938.3	9.82327	(07092705)	8.76660	(07062603)	7.34808	(07070424)	7.18316	(07062705)	9.93931	(07072406)
3761938.3	10.04284	(07092705)	10.62178	(07062603)	9.74045	(07102602)	8.14142	(07090904)	10.58635	(07072406)
3760938.3	7.44846	(06110122)	10.42457	(07092705)	10.71626	(07062603)	11.48759	(07070424)	11.41507	(07072406)
3759938.3	8.85682	(07020206)	7.84497	(07092705)	10.55855	(07092705)	12.44982	(07102602)	14.12837	(06092223)
3758938.3	12.68103	(07093024)	11.49299	(07020206)	10.44366	(07092705)	13.96535	(07062603)	14.22854	(07090904)
3757938.3	12.93895	(07092502)	15.96770	(07082106)	15.16002	(07020206)	16.94867	(07092705)	15.42318	(07102602)
3756938.3	17.73427	(07100404)	19.26064	(07092502)	20.83782	(07093024)	21.06660	(07020206)	23.50881	(07092705)
3755938.3	22.70606	(07121904)	25.73325	(07091801)	28.38243	(07100404)	29.63143	(07093024)	31.62783	(07092502)
3754938.3	23.27929	(07082705)	29.66587	(07082705)	34.33060	(07082705)	45.63457	(07111902)	66.85232	(07091801)
3753938.3	20.78614	(07121524)	24.14823	(07082705)	32.06720	(07121401)	38.55584	(07042704)	60.71267	(07092702)
3752938.3	19.62840	(07121401)	21.89316	(07121401)	24.89844	(07121401)	30.50545	(07092702)	44.90890	(07092702)
3751938.3	13.78116	(07091806)	18.35421	(07092702)	21.91696	(07092702)	24.65073	(07122901)	32.54011	(06092806)
3750938.3	16.26523	(07092702)	16.29642	(07092702)	19.06666	(07122901)	20.71374	(07062605)	14.40290	(07103104)
3749938.3	11.15761	(07092702)	16.64732	(07122901)	15.69350	(06112404)	18.57605	(07121903)	18.07929	(07111806)
3748938.3	14.02951	(07122901)	11.31432	(06112404)	14.85860	(06101207)	13.48673	(07103104)	14.93013	(07111806)
3747938.3	11.03097	(06112404)	12.05239	(07062605)	10.06953	(07091523)	14.12906	(07103104)	12.21709	(07111806)

3746938.3	7.44662 (07062605)	7.82943 (07091523)	7.99109 (06092806)	12.21557 (07103104)	10.10123 (07111806)
3745938.3	6.87058 (07062605)	7.08489 (07091523)	8.30991 (07103104)	10.83062 (07111806)	9.75776 (07100201)
3744938.3	6.38364 (07091523)	6.48679 (06092806)	9.06334 (07103104)	9.62587 (07111806)	7.50498 (07100201)
3743938.3	5.85637 (07091523)	5.90757 (06092806)	9.31720 (07103104)	7.52966 (07111806)	6.12712 (06092624)
3742938.3	5.62099 (06092806)	5.72906 (07103103)	8.33029 (07103104)	7.35445 (07111806)	5.68358 (07100201)
3741938.3	5.26639 (06092806)	6.59801 (07103104)	7.74855 (07111806)	6.46935 (07111806)	5.42302 (07100201)

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** CO (No Refrigeration) *** 15:38:45
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 486553.03	487553.03	488553.03	489553.03	490553.03
3767938.3	5.62900 (07072406)	6.18166 (07091001)	6.64542 (06091106)	6.80818 (07071206)	6.43761 (06101124)
3766938.3	6.73453 (07090105)	7.23897 (07091001)	7.07460 (07061005)	7.00865 (07071206)	6.58389 (07081304)
3765938.3	7.59514 (07081506)	7.68587 (07091001)	7.35712 (07061005)	7.21469 (06091104)	7.71435 (07081304)
3764938.3	8.24351 (07081506)	8.06594 (07091001)	7.94982 (07073005)	8.11815 (06101124)	8.15453 (07081304)
3763938.3	8.31970 (07081506)	8.28209 (07091001)	8.68984 (07073005)	8.77281 (07090702)	9.27013 (07081905)
3762938.3	9.93829 (07072506)	9.88459 (07091001)	10.18213 (07071206)	10.30888 (07081304)	9.71610 (07092706)
3761938.3	11.46337 (07072506)	11.01376 (07091001)	10.37484 (06091104)	10.46703 (07081905)	9.32905 (07081805)
3760938.3	11.28849 (07072406)	11.78056 (06091106)	12.41362 (06101124)	11.29750 (07081905)	10.89655 (07092405)
3759938.3	15.07146 (05082023)	14.85256 (06112705)	15.12376 (07081304)	14.60198 (07081805)	13.73625 (07081206)
3758938.3	13.12477 (07072406)	15.79372 (06091106)	14.24599 (07081905)	14.47268 (07081206)	14.12946 (07101103)
3757938.3	16.21235 (07072406)	14.38489 (07061005)	13.29413 (07120122)	12.90433 (07081206)	11.87202 (07070204)
3756938.3	26.68768 (07062705)	23.07866 (07071206)	19.06766 (07081206)	14.12342 (07071305)	16.03877 (07062901)
3755938.3	40.37567 (07102602)	43.29122 (07081206)	28.18892 (07062901)	22.84715 (07111724)	17.94264 (07111724)
3754938.3	74.13186 (06092623)	65.39344 (07080906)	66.44716 (07082902)	35.90586 (07111901)	26.65889 (07062503)
3753938.3	49.52821 (07082705)	52.84692 (07062005)	40.04589 (07111822)	63.47331 (07093024)	34.28203 (07100402)
3752938.3	43.14227 (07103104)	44.02561 (07111807)	38.30921 (07062005)	27.90814 (07092401)	48.27267 (07092502)
3751938.3	19.69215 (07111806)	36.49794 (07111905)	24.69320 (07111807)	23.72313 (07062005)	19.23685 (06123101)
3750938.3	15.44736 (06092624)	24.19779 (07111905)	15.10920 (07090805)	18.37741 (07111807)	16.13424 (07062005)
3749938.3	17.49679 (07042506)	17.40326 (07111905)	11.98957 (07092303)	13.52915 (07111807)	14.35314 (07111807)
3748938.3	11.23929 (07091006)	13.76916 (07051006)	11.22879 (07111905)	10.38348 (07090805)	12.54881 (07111807)
3747938.3	9.58163 (07091006)	13.19677 (07051006)	11.10460 (07111905)	9.03550 (07092303)	9.20804 (07060803)
3746938.3	10.10580 (07091006)	10.17124 (07111905)	10.44869 (07111905)	8.38552 (07110603)	8.29448 (07090805)
3745938.3	9.49736 (07071401)	8.53344 (07111905)	9.63749 (07111905)	7.34888 (07110603)	7.50130 (07092303)
3744938.3	6.78518 (07091006)	6.97643 (07111905)	8.93032 (07111905)	7.21972 (07111905)	6.61602 (07092303)
3743938.3	6.15866 (07091006)	6.02196 (07081204)	8.35872 (07111905)	7.30235 (07111905)	6.37829 (07110603)
3742938.3	5.79237 (07091006)	5.64427 (07081204)	7.76574 (07111905)	7.31774 (07111905)	6.08888 (07110603)
3741938.3	5.50048 (07091006)	5.37000 (07081204)	7.08468 (07111905)	7.21890 (07111905)	5.62961 (07090301)

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** CO (No Refrigeration) *** 15:38:45
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 491553.03	492553.03	493553.03	494553.03	495553.03
3767938.3	6.44569 (07081304)	6.24446 (07081905)	3.74104 (07081805)	5.25894 (07120122)	5.92052 (07081206)
3766938.3	6.84933 (07081905)	6.28077 (07081905)	5.86815 (07120122)	6.01693 (07092405)	6.72477 (07081206)
3765938.3	7.68870 (07081905)	6.91106 (07081805)	6.64012 (07092405)	6.96021 (07081206)	6.47947 (07081206)
3764938.3	7.87389 (07092706)	7.50538 (07120122)	7.04373 (07081206)	7.22664 (07081206)	5.87727 (07101103)
3763938.3	8.27882 (07081805)	8.01419 (07092405)	8.11228 (07081206)	6.43964 (07081206)	6.69493 (07081806)
3762938.3	9.04583 (07120122)	8.83940 (07081206)	7.72629 (07081206)	7.29871 (07081806)	6.96959 (07092601)
3761938.3	9.25812 (07081206)	9.00628 (07081206)	8.07084 (07040202)	7.68762 (07092601)	7.37430 (07070204)
3760938.3	10.47732 (07081206)	9.04948 (07101103)	9.01095 (07092601)	8.52849 (07070204)	8.79668 (07071305)
3759938.3	11.66970 (07101103)	10.39829 (07070405)	9.85772 (07070204)	10.24234 (07071305)	9.55342 (07080906)
3758938.3	12.19483 (07070405)	12.64567 (07071305)	12.45388 (07062901)	11.62225 (07111724)	9.92503 (07111724)
3757938.3	12.45380 (07071305)	12.50575 (07080906)	13.44961 (07111724)	10.58706 (07063005)	9.78857 (06101102)
3756938.3	14.68263 (07111724)	10.13123 (07111724)	11.93787 (07122005)	10.95241 (07122005)	9.73187 (07082902)
3755938.3	12.06334 (07082902)	13.06058 (07082902)	10.97617 (07111901)	11.94030 (07111901)	12.67104 (07111901)
3754938.3	21.26397 (07062503)	17.10960 (07062503)	16.89817 (07062503)	14.95126 (07062503)	12.81643 (07100906)
3753938.3	24.45540 (07100906)	20.95597 (07100906)	17.30318 (07100402)	15.65627 (07100402)	13.25436 (07100402)
3752938.3	46.73253 (07111822)	27.71777 (07092406)	24.11082 (06123024)	19.78089 (06123024)	16.25051 (06123024)
3751938.3	48.86578 (07111807)	25.18925 (07100204)	27.01252 (07100204)	23.02919 (07111822)	17.94693 (07111822)
3750938.3	16.38751 (07062005)	15.89510 (07080306)	21.00982 (07062005)	18.59359 (07022524)	18.88950 (07101801)
3749938.3	12.12730 (07020104)	14.48371 (07062005)	12.77547 (07062005)	15.81154 (07062005)	14.48510 (07080306)
3748938.3	11.50035 (07111807)	10.34136 (07020104)	12.08381 (07062005)	11.70105 (07062005)	12.72129 (05090303)
3747938.3	11.54527 (07111807)	9.39418 (07082903)	8.80567 (07100306)	9.90702 (07062005)	11.05060 (07062005)
3746938.3	8.50045 (07111807)	10.28569 (07111807)	8.30011 (07103102)	7.80022 (07100306)	8.02993 (07062005)
3745938.3	7.51714 (07060803)	8.58923 (07111807)	9.18924 (07111807)	7.30306 (07103102)	6.99096 (07100306)
3744938.3	6.97589 (07090805)	6.95281 (07060803)	8.36198 (07111807)	8.18710 (07111807)	6.56066 (07020104)
3743938.3	6.47954 (07092303)	6.48088 (07060803)	6.53848 (06123107)	7.99359 (07111807)	7.27693 (07111807)
3742938.3	6.06059 (07092303)	7.51241 (07090805)	6.51277 (07060803)	6.69865 (07101324)	7.63384 (07111807)
3741938.3	7.01039 (07072604)	6.79490 (07092303)	6.10570 (07060803)	6.19214 (06123107)	6.75350 (07111807)

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** CO (No Refrigeration) *** 15:38:45
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 496553.03	497553.03	498553.03	499553.03	500553.03
3767938.3	6.36457 (07081206)	4.93246 (07081206)	4.25398 (07101103)	3.42755 (07081806)	2.64568 (06100104)
3766938.3	5.73325 (07081206)	5.38337 (07101103)	4.25257 (07081806)	2.89826 (07122001)	2.72008 (06090321)
3765938.3	5.57044 (07101103)	5.69015 (07081806)	3.56243 (07110924)	2.39144 (07073124)	2.56068 (06070601)
3764938.3	6.14486 (07081806)	5.87744 (07092601)	4.45777 (07070204)	3.47344 (07051702)	4.23722 (07071305)
3763938.3	6.40975 (07092601)	6.16118 (07070204)	5.91268 (07012104)	6.83295 (07071305)	5.21520 (07080906)
3762938.3	6.71569 (07070204)	6.64441 (07071305)	7.45576 (07071305)	5.52705 (07080906)	4.36475 (07111724)
3761938.3	7.66608 (07071305)	7.96918 (07062901)	7.16870 (07080906)	5.67848 (07111724)	2.71375 (07070321)
3760938.3	8.56595 (07080906)	8.01197 (07111724)	7.77523 (07111724)	5.07057 (07120207)	4.58688 (07052903)
3759938.3	9.37206 (07111724)	7.50093 (07111724)	6.97490 (07063005)	6.51769 (06101102)	6.59527 (07122005)
3758938.3	9.13591 (07063005)	8.25760 (06101102)	7.63730 (07122005)	6.41130 (07122005)	5.59685 (07092602)
3757938.3	8.99635 (07122005)	7.22190 (07092602)	7.52331 (07082902)	7.64501 (07082902)	7.32285 (07082902)
3756938.3	9.19817 (07082902)	8.90122 (07111720)	8.25083 (07092302)	8.46005 (07111901)	8.88142 (07111901)
3755938.3	11.98718 (07111901)	11.15160 (07111901)	10.09186 (07062503)	9.93632 (07062503)	9.65862 (07062503)
3754938.3	12.27949 (07100906)	11.52137 (07100906)	10.89065 (07100906)	10.18549 (07100906)	9.70542 (07100906)
3753938.3	10.22748 (07100402)	8.97215 (07100402)	8.49374 (06112603)	8.09437 (06112603)	7.53400 (06112603)
3752938.3	11.33720 (06123024)	11.22110 (07100402)	10.00571 (07100402)	9.50373 (07100402)	8.74345 (07100402)
3751938.3	13.82811 (07091224)	12.13913 (07081005)	11.53073 (06123024)	9.86941 (06123024)	9.15145 (06123024)
3750938.3	15.85703 (07012907)	14.69548 (07111822)	12.84029 (07111822)	9.15874 (07121102)	9.31039 (07091224)
3749938.3	14.41350 (07031704)	14.59388 (07101023)	13.02546 (07100204)	11.57612 (07122823)	10.05455 (07111822)
3748938.3	10.85874 (06123101)	12.69476 (07080306)	12.42362 (07022524)	10.68500 (07101023)	10.01221 (07100204)
3747938.3	10.99636 (07062005)	10.21540 (06123101)	11.02215 (07080306)	10.43225 (07092401)	9.96474 (07022524)
3746938.3	10.16895 (07062005)	9.96458 (07062005)	8.61793 (06123101)	8.35339 (07072002)	9.22578 (07080306)
3745938.3	6.78704 (06092801)	9.03128 (07062005)	9.47658 (07062005)	8.64551 (06123101)	8.42019 (06123101)
3744938.3	6.37737 (07100306)	6.24824 (06092801)	7.74126 (07062005)	8.90733 (07062005)	7.74816 (07062005)
3743938.3	6.12178 (07020104)	5.88905 (07102604)	5.79805 (06092801)	6.54597 (07062005)	8.27120 (07062005)
3742938.3	6.50436 (07111807)	5.77096 (07020104)	5.50939 (07102604)	5.43301 (06092801)	5.60380 (07020207)
3741938.3	7.23696 (07111807)	5.73628 (07111807)	5.49338 (07020104)	5.19290 (07102604)	5.11967 (06092801)

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501553.03	502553.03	503553.03	504553.03	505553.03
3767938.3	2.20561 (07051602)	1.88092 (06020922)	1.61748 (07090320)	1.26732 (05072122)	0.98377 (07062806)
3766938.3	2.13765 (05022603)	0.98192 (07081319)	1.04487 (05072122)	1.06230 (05111218)	1.00734 (07080321)
3765938.3	2.28960 (06072422)	1.38940 (07080821)	1.16848 (05111218)	1.08958 (07080321)	1.39942 (05071820)
3764938.3	2.36708 (07071923)	1.87949 (07061522)	1.76845 (07072223)	1.71960 (05072622)	1.43213 (06121004)
3763938.3	3.11417 (07042806)	2.39147 (05071522)	2.23824 (05072401)	2.28730 (05050306)	1.94019 (05081021)
3762938.3	3.35338 (06092606)	2.92306 (06100503)	2.61847 (06101605)	2.40083 (05040803)	2.24330 (06072421)
3761938.3	3.46357 (05080404)	2.91694 (06100205)	3.11941 (06101001)	3.05431 (07042305)	2.58884 (07061921)
3760938.3	4.00922 (06090106)	4.75543 (06101102)	4.02261 (07122005)	3.70711 (07092602)	2.88563 (05081706)
3759938.3	6.25832 (07122005)	5.17012 (07092602)	4.51152 (07092602)	3.80841 (07082902)	3.51797 (06110107)
3758938.3	6.04394 (07082902)	6.57719 (07082902)	6.66802 (07082902)	6.39553 (07111720)	4.59457 (07111720)
3757938.3	7.17956 (07111720)	6.70167 (07092302)	6.85437 (07092302)	7.23074 (07111901)	7.55025 (07111901)
3756938.3	8.96948 (07111901)	8.72780 (07111901)	8.21067 (07111901)	7.47382 (07111901)	7.73366 (07062503)
3755938.3	9.34421 (07062503)	8.92765 (07062503)	8.36864 (07062503)	8.03912 (07100906)	8.11558 (07100906)
3754938.3	9.06271 (07100906)	8.49444 (07100906)	7.89963 (07100906)	7.52402 (07081605)	7.28878 (07081605)
3753938.3	7.18329 (06112603)	6.93281 (06112603)	6.81285 (06112603)	6.70443 (06112603)	6.61350 (06112603)
3752938.3	8.78112 (07100402)	8.51194 (07100402)	8.37633 (07100402)	8.18185 (07100402)	7.93542 (07100402)
3751938.3	9.06401 (06123024)	8.05197 (06123024)	7.18071 (06123024)	7.31060 (07092406)	7.18209 (07092406)
3750938.3	8.79569 (06092706)	8.29317 (07081005)	7.46986 (07081005)	7.87952 (06123024)	7.79152 (06123024)
3749938.3	9.85047 (07111822)	8.06079 (07111822)	7.85439 (07121102)	7.90234 (07121102)	7.73041 (07091224)
3748938.3	9.55202 (07012907)	9.50480 (07122823)	8.58047 (07111822)	8.85461 (07111822)	7.79174 (07111822)
3747938.3	8.46048 (07101023)	8.02898 (07101801)	8.17911 (07100204)	8.65483 (07012907)	8.51139 (07122823)
3746938.3	9.04930 (07031704)	8.53102 (07022524)	7.91435 (05081904)	8.16451 (07101801)	7.94781 (07100204)
3745938.3	8.28491 (05052005)	8.80949 (07080306)	8.23854 (07031704)	7.44193 (07022524)	5.91425 (07101023)
3744938.3	7.03432 (06123101)	6.57854 (07072002)	7.35633 (07080306)	4.27134 (07052603)	5.62415 (07031704)
3743938.3	8.10173 (07062005)	6.59109 (06123101)	3.34314 (07083120)	4.20809 (07110607)	3.16313 (06101401)
3742938.3	7.59835 (07062005)	7.89495 (07062005)	6.09974 (07110602)	3.07219 (07102520)	2.80339 (07090223)
3741938.3	5.22429 (07020207)	6.79002 (07062005)	7.49325 (07062005)	6.49906 (07110602)	4.25587 (06123101)

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** CO (No Refrigeration) *** 15:38:45
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71

3754634.4	50.45719 (07082705)	52.76796 (07082705)	54.91331 (07082705)	58.03235 (07082705)	60.64054 (07082705)
3754534.4	47.37905 (07082705)	49.60232 (07082705)	52.17901 (07082705)	55.16743 (07082705)	58.74957 (07082705)
3754434.4	43.57304 (07121524)	45.51911 (07082705)	48.11526 (07082705)	50.90680 (07082705)	54.39329 (07121524)
3754334.4	44.76308 (07121524)	46.83920 (07121524)	49.76634 (07121524)	52.84972 (07121524)	55.19833 (07121524)
3754234.4	42.69087 (07051105)	45.49805 (07051105)	47.82674 (07051105)	50.53437 (07051105)	53.45386 (07051105)
3754134.4	43.38182 (07051105)	43.73529 (07051105)	45.59513 (07051105)	47.18502 (07051105)	49.03832 (07121401)
3754034.4	40.63642 (07121401)	40.59705 (07121401)	41.78789 (07121401)	42.99636 (07121401)	44.28309 (07121401)
3753934.4	38.60234 (07042704)	39.50676 (07082705)	40.64673 (07082705)	42.01277 (07082705)	43.71797 (07082005)
3753834.4	39.31990 (07082705)	40.34779 (07082705)	41.41259 (07082705)	42.79717 (07082705)	44.10137 (07082705)
3753734.4	40.61823 (07082705)	41.87413 (07082705)	43.28067 (07082705)	44.55883 (07082705)	46.00936 (07082705)
3753634.4	39.89405 (07082705)	41.59456 (07082705)	43.62084 (07082705)	46.50700 (07082705)	48.69969 (07082705)
3753534.4	33.70954 (07121524)	34.90789 (07121524)	36.79785 (07082705)	41.01490 (07082705)	44.66956 (07082705)
3753434.4	36.22008 (07121524)	37.57078 (07121524)	39.20800 (07121524)	40.75247 (07121524)	42.73373 (07121524)
3753334.4	37.53821 (07121524)	39.07342 (07121524)	40.24100 (07121524)	42.06412 (07121524)	44.03629 (07121524)
3753234.4	35.58604 (07121524)	36.55762 (07121524)	38.25766 (07121524)	40.36635 (07121524)	41.43873 (07121524)
3753134.4	35.30714 (07051105)	36.31513 (07051105)	37.33001 (07051105)	38.75597 (07051105)	40.38758 (07051105)
3753034.4	32.63893 (07121401)	33.31582 (07121401)	34.26172 (07121401)	34.84245 (07121401)	35.81458 (07121401)
3752934.4	30.49310 (07092702)	31.26463 (07092702)	32.10274 (07092702)	32.28436 (07092702)	33.17179 (07092702)
3752834.4	30.06993 (07092702)	30.39504 (07092702)	30.97358 (07092702)	31.71612 (07092702)	32.99675 (07122901)
3752734.4	29.09731 (07092702)	29.79514 (07092702)	30.41441 (07092702)	31.60027 (07092702)	32.94776 (07092702)
3752634.4	28.84548 (07092702)	29.47025 (07092702)	30.77634 (07092702)	31.75045 (07092702)	32.42348 (07092702)
3752534.4	28.62412 (07092702)	29.39118 (07092702)	29.77041 (07092702)	30.74861 (07092702)	30.95921 (07092702)
3752434.4	28.15564 (07092702)	28.96504 (07092702)	29.17114 (07092702)	29.48554 (07092702)	29.61944 (07092702)
3752334.4	27.28473 (07092702)	27.70406 (07092702)	27.87480 (07092702)	27.92687 (07092702)	28.55816 (07122901)
3752234.4	26.10211 (07092702)	26.30512 (07092702)	26.80164 (07122901)	27.42651 (07122901)	28.48521 (07122901)
3752134.4	24.99042 (07092702)	25.74041 (07122901)	26.52781 (07122901)	27.53228 (07122901)	28.54520 (07122901)
3752034.4	25.04606 (07122901)	25.81175 (07122901)	26.28802 (07122901)	27.24130 (07122901)	28.16814 (07122901)
3751934.4	24.63954 (07122901)	25.49021 (07122901)	26.34741 (07122901)	26.85473 (07122901)	27.39003 (07122901)
3751834.4	24.60449 (07122901)	25.42440 (07122901)	26.02481 (07122901)	26.65703 (07122901)	26.96716 (07122901)
3751734.4	24.82840 (07122901)	25.34097 (07122901)	26.05763 (07122901)	26.52840 (07122901)	26.83382 (07122901)
3751634.4	24.70155 (07122901)	25.24025 (07122901)	25.67898 (07122901)	26.24356 (07122901)	26.71316 (07122901)
3751534.4	24.40789 (07122901)	24.94468 (07122901)	25.53280 (07122901)	25.56617 (07122901)	26.13517 (07122901)
3751434.4	24.45895 (07122901)	24.73593 (07122901)	25.15634 (07122901)	25.42761 (07122901)	25.17596 (07122901)
3751334.4	23.92508 (07122901)	24.15514 (07122901)	24.59184 (07122901)	24.00486 (07122901)	23.01366 (07062605)
3751234.4	23.49825 (07122901)	23.82095 (07122901)	23.21756 (07122901)	22.57304 (07062605)	23.71094 (07062605)
3751134.4	23.10107 (07122901)	22.69735 (07122901)	21.48303 (07122901)	23.33721 (06101207)	24.33937 (07091523)
3751034.4	21.95340 (07122901)	20.58167 (07122901)	22.45730 (07062605)	23.04555 (07091523)	24.00182 (07091523)
3750934.4	20.76080 (07062605)	21.39631 (07062605)	22.22233 (06101207)	22.36011 (07091523)	22.40247 (07091523)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485051.71	485151.71	485251.71	485351.71	485451.71
3754634.4	64.62916 (07082705)	68.20493 (07082705)	70.80691 (07082705)	78.74273 (07082705)	95.24773 (07082705)
3754534.4	62.90772 (07082705)	67.68847 (07082705)	74.32813 (07082705)	81.39595 (07082705)	93.15078 (07082705)
3754434.4	57.88819 (07082705)	62.53576 (07082705)	68.69485 (07082705)	77.08441 (07082705)	96.62794 (07082705)
3754334.4	58.24020 (07121524)	61.90804 (07121524)	69.54094 (07121524)	77.74572 (07121524)	98.84196 (07121524)
3754234.4	57.19589 (07051105)	60.10898 (07051105)	65.18451 (07051105)	72.16673 (07051105)	85.62582 (07121401)
3754134.4	51.12796 (07121401)	53.51569 (07121401)	56.60180 (07121401)	59.95188 (07121401)	69.82072 (07121401)
3754034.4	45.69813 (07121401)	46.99737 (07121401)	51.63468 (07091305)	54.12659 (07091305)	62.63928 (07092702)
3753934.4	45.41775 (07082705)	46.92511 (07082705)	50.89551 (07082705)	55.14071 (07082705)	66.71889 (07092702)
3753834.4	46.18681 (07082705)	48.48044 (07082705)	50.98575 (07082705)	53.36515 (07082705)	63.63578 (07082705)
3753734.4	47.85682 (07082705)	50.02920 (07082705)	52.62834 (07082705)	56.47268 (07082705)	65.84054 (07082705)
3753634.4	51.25104 (07082705)	53.73871 (07082705)	56.76192 (07082705)	61.04693 (07082705)	70.38930 (07082705)
3753534.4	48.08396 (07082705)	52.13491 (07082705)	55.86681 (07082705)	63.09463 (07082705)	76.42598 (07082705)
3753434.4	44.97502 (07121524)	47.20023 (07121524)	50.41165 (07121524)	55.14265 (07121524)	65.16685 (07121524)
3753334.4	47.09218 (07121524)	49.13366 (07121524)	52.38162 (07121524)	57.58423 (07121524)	67.42088 (07121524)
3753234.4	43.56635 (07051105)	46.36304 (07051105)	49.93654 (07051105)	54.89021 (07051105)	64.75704 (07051105)
3753134.4	42.10098 (07051105)	44.78259 (07051105)	46.37137 (07121401)	49.57591 (07121401)	57.66439 (07121401)
3753034.4	36.35016 (07121401)	38.46075 (07122901)	39.96681 (07122901)	42.20724 (07092702)	47.11646 (07092702)
3752934.4	35.26799 (07122901)	36.83869 (07122901)	38.75370 (07092702)	40.49627 (07092702)	42.19052 (07092702)
3752834.4	34.48147 (07092702)	36.28423 (07092702)	38.14154 (07092702)	39.10498 (07092702)	40.22100 (07092702)
3752734.4	34.52723 (07092702)	35.19305 (07092702)	36.15155 (07092702)	36.67038 (07092702)	37.98573 (07122901)
3752634.4	33.59200 (07092702)	33.99432 (07092702)	34.29593 (07092702)	35.23422 (07122901)	38.05363 (07122901)
3752534.4	31.39735 (07092702)	31.99197 (07092702)	33.04445 (07122901)	35.18389 (07122901)	36.86754 (07122901)
3752434.4	29.51439 (07092702)	31.56403 (07122901)	32.75597 (07122901)	34.45553 (07122901)	35.64312 (07122901)
3752334.4	29.78625 (07122901)	31.30945 (07122901)	32.27035 (07122901)	33.34568 (07122901)	34.42963 (07122901)
3752234.4	29.01788 (07122901)	30.69115 (07122901)	31.18271 (07122901)	32.44671 (07122901)	34.09443 (07122901)
3752134.4	29.17656 (07122901)	29.86219 (07122901)	31.02077 (07122901)	32.32908 (07122901)	33.89127 (07122901)
3752034.4	28.44249 (07122901)	29.35978 (07122901)	30.35138 (07122901)	31.91329 (07122901)	32.35917 (07122901)
3751934.4	28.16008 (07122901)	29.06840 (07122901)	29.64618 (07122901)	29.95800 (07122901)	31.75556 (07122901)
3751834.4	27.78803 (07122901)	28.52068 (07122901)	28.34865 (07122901)	30.29994 (07122901)	29.75969 (07091523)
3751734.4	27.21157 (07122901)	27.33021 (07122901)	26.60819 (07122901)	28.16181 (07091523)	29.60355 (07091523)
3751634.4	26.23304 (07122901)	25.38153 (07122901)	26.42386 (07091523)	28.21387 (07091523)	29.84945 (06092806)
3751534.4	25.30886 (07122901)	25.12859 (07062605)	27.05152 (07091523)	27.71801 (06092806)	25.46212 (06092806)
3751434.4	24.64406 (07062605)	26.30827 (07091523)	26.37802 (07091523)	23.90863 (06092806)	20.82802 (06092806)
3751334.4	24.60462 (06101207)	26.17127 (07091523)	23.31354 (06092806)	20.79238 (06092806)	17.29969 (06092806)
3751234.4	25.35333 (07091523)	24.50247 (07091523)	21.85535 (06092806)	19.22437 (06092806)	17.10283 (07103103)
3751134.4	24.66888 (07091523)	23.97839 (07121903)	21.76854 (06092806)	19.38796 (06092806)	17.03583 (07103104)
3751034.4	23.27827 (07091523)	22.29616 (06092806)	19.60419 (06092806)	17.45489 (07103103)	16.27414 (07103104)
3750934.4	21.95545 (07121903)	20.22691 (06092806)	17.26600 (06092806)	15.62303 (07103103)	15.00932 (07103104)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,

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L0112315    , L0112316    , L0111920    , L0111921    , L0111922    , L0111923    , L0111924    , L0111925    ,
L0111926    , L0111927    , L0111928    , L0111929    , L0110824    , L0110825    , L0110826    , L0110827    ,
L0110828    , L0110829    , L0110830    , L0110831    , L0110832    , L0110833    , L0110834    ,  . . .      ,
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*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.9	59.19430 (07121524)	62.48172 (07121524)	69.85792 (07082705)	81.34165 (07082705)
3753334.9	58.92629 (07121524)	65.17757 (07121524)	73.86776 (07121524)	87.53124 (07121524)
3753234.9	55.43983 (07051105)	59.71402 (07051105)	65.15754 (07051105)	73.26292 (07051105)
3753134.9	46.48035 (07121401)	48.81410 (07121401)	58.35068 (07092702)	70.19786 (07092702)
3753034.9	45.66473 (07092702)	51.20346 (07092702)	55.10766 (07092702)	67.63469 (07122901)
3752934.9	44.75123 (07092702)	46.72374 (07092702)	52.87367 (07122901)	61.74612 (07122901)
3752834.9	41.70294 (07122901)	46.19072 (07122901)	50.39392 (07122901)	58.08525 (07122901)
3752734.9	41.83114 (07122901)	44.21641 (07122901)	47.34615 (07122901)	56.76433 (07103104)
3752634.9	40.05456 (07122901)	41.95109 (07122901)	45.32372 (07122901)	58.82363 (07103104)
3752534.9	38.35489 (07122901)	39.87262 (07122901)	43.62756 (07122901)	59.98035 (07103104)
3752434.9	36.87967 (07122901)	38.95424 (07122901)	43.17593 (07122901)	61.66596 (07103104)
3752334.9	36.23631 (07122901)	38.82122 (07122901)	42.25800 (07103104)	65.02672 (07111806)
3752234.9	36.28124 (07122901)	37.04954 (07122901)	45.98803 (07103104)	62.18697 (07103104)
3752134.9	33.99427 (07122901)	37.51403 (06092806)	47.66147 (07103104)	61.91105 (07103104)
3752034.9	34.96015 (07122901)	36.95245 (06092806)	44.80302 (07103104)	50.89408 (07111806)
3751934.9	32.41322 (06092806)	36.49392 (07103104)	43.13360 (07103104)	42.97283 (06092624)
3751834.9	31.42582 (06092806)	35.25604 (07103104)	38.79933 (07103104)	34.11959 (06092624)
3751734.9	30.90421 (06092806)	34.86013 (07103104)	33.67189 (07103104)	26.10582 (07042506)
3751634.9	30.07692 (06092806)	29.93311 (07103104)	28.15477 (07103104)	23.42836 (07042506)
3751534.9	24.69697 (07103103)	25.14161 (07103104)	23.42724 (07111806)	21.80796 (06090501)
3751434.9	19.71093 (07103104)	20.74109 (07103104)	19.57464 (07111806)	19.99142 (06090501)
3751334.9	17.70822 (07103104)	18.21236 (07103104)	17.38910 (07111806)	18.23464 (06090501)
3751234.9	17.25613 (07103104)	16.43314 (07103104)	15.92766 (07111806)	17.09327 (05082524)
3751134.9	16.48772 (07103104)	15.43723 (07111806)	15.17679 (05100620)	16.10155 (06070402)
3751034.9	15.41877 (07103104)	14.42973 (07111806)	14.62004 (05100620)	15.20681 (05042424)
3750934.9	14.39796 (07103104)	13.64995 (07111806)	13.85354 (05100620)	14.47018 (06060401)

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** CO (No Refrigeration) *** 15:38:45
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112312 , L0112313 , L0112314 ,

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L0112315    , L0112316    , L0111920    , L0111921    , L0111922    , L0111923    , L0111924    , L0111925    ,
L0111926    , L0111927    , L0111928    , L0111929    , L0110824    , L0110825    , L0110826    , L0110827    ,
L0110828    , L0110829    , L0110830    , L0110831    , L0110832    , L0110833    , L0110834    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
485619.40	3753969.72	62.62322	(07092702)	485712.99	3753961.92	61.99318	(07092702)
487190.85	3754410.34	118.45548	(07062005)	487194.75	3754289.46	111.36511	(07111905)
487268.83	3754090.60	75.47854	(07111905)	487483.30	3754102.29	58.55202	(07062005)

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** CO (No Refrigeration) *** 15:38:45
PAGE 62

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112312 , L0112313 , L0112314 ,

```
L0112315    , L0112316    , L0111920    , L0111921    , L0111922    , L0111923    , L0111924    , L0111925    ,
L0111926    , L0111927    , L0111928    , L0111929    , L0110824    , L0110825    , L0110826    , L0110827    ,
L0110828    , L0110829    , L0110830    , L0110831    , L0110832    , L0110833    , L0110834    ,  . . .      ,
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*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03
3767938.3	0.71649 (07121808)	0.75631 (07092508)	0.81482 (07092508)	0.75954 (07110608)	0.75531 (07121808)
3766938.3	0.79004 (07121808)	0.77333 (07121808)	0.76424 (07121808)	0.81663 (07092508)	0.83661 (07092508)
3765938.3	0.86738 (07042108)	0.89804 (07121808)	0.83970 (07121808)	0.83298 (07121808)	0.82920 (07121808)
3764938.3	0.86035 (06112008)	0.92747 (07042108)	0.94688 (07042108)	0.90397 (07121808)	0.90325 (07121808)
3763938.3	0.82548 (06112008)	0.95137 (06112008)	0.91032 (06112008)	0.91375 (07042108)	0.95348 (07042108)
3762938.3	0.75425 (07122808)	0.77232 (07121708)	0.84977 (06112008)	0.91577 (06112008)	0.97147 (06112008)
3761938.3	0.77608 (07112008)	0.78913 (07112008)	0.77005 (07122808)	0.81721 (07122808)	0.88614 (06112008)
3760938.3	0.72041 (05122808)	0.73156 (05122808)	0.77971 (07112008)	0.86205 (07112008)	0.88524 (07112008)
3759938.3	0.88076 (06020508)	0.85104 (06020508)	0.85133 (06020508)	0.83927 (05122808)	0.86951 (05122808)
3758938.3	0.92834 (06020508)	0.98354 (06020508)	1.03072 (06020508)	1.05771 (06020508)	1.06338 (06020508)
3757938.3	1.02699 (06123108)	1.02776 (06123108)	1.02171 (06123108)	1.01728 (06123108)	1.05087 (06020508)
3756938.3	1.03603 (06123108)	1.09707 (06123108)	1.15717 (06123108)	1.21866 (06123108)	1.28093 (06123108)
3755938.3	0.84374 (06112108)	0.86866 (06112108)	0.89351 (06123108)	0.97138 (06123108)	1.06185 (06123108)
3754938.3	0.91790 (06112108)	0.95868 (06112108)	1.00625 (06112108)	1.05989 (06112108)	1.11893 (06112108)
3753938.3	0.75705 (07120208)	0.79017 (07120208)	0.82952 (07120208)	0.87173 (07120208)	0.93696 (07120208)
3752938.3	0.78609 (07012408)	0.83865 (07012408)	0.90257 (07012408)	0.97016 (07012408)	1.05997 (07012408)
3751938.3	0.97719 (07012408)	1.02496 (07012408)	1.07765 (07012408)	1.14684 (07012408)	1.22896 (07012408)
3750938.3	0.95220 (07012408)	0.97738 (07012408)	1.00937 (07033108)	1.04546 (07033108)	1.07339 (07033108)
3749938.3	0.83942 (05031908)	0.90476 (05031908)	1.00767 (05031908)	1.11754 (05031908)	1.18543 (05031908)
3748938.3	0.98126 (05031908)	0.96870 (05031908)	1.02660 (05031908)	1.08427 (05031908)	1.11755 (05031908)
3747938.3	0.92370 (05031908)	0.94017 (07012408)	0.93392 (07012408)	0.97219 (07012408)	1.00808 (07012408)
3746938.3	0.88810 (07012408)	0.91334 (07012408)	0.97883 (07030808)	1.08993 (05110908)	1.34005 (05110908)
3745938.3	0.99158 (05110908)	1.19567 (05110908)	1.38458 (05110908)	1.54901 (05110908)	1.71267 (05110908)
3744938.3	1.34242 (05110908)	1.52392 (05110908)	1.65233 (05110908)	1.75498 (05110908)	1.84549 (05110908)
3743938.3	1.52714 (05110908)	1.60682 (05110908)	1.66338 (05110908)	1.68386 (05110908)	1.64463 (05110908)
3742938.3	1.53422 (05110908)	1.53881 (05110908)	1.51991 (05110908)	1.54928 (05110908)	1.44667 (05110908)
3741938.3	1.40618 (05110908)	1.46937 (05110908)	1.16638 (05110908)	1.18537 (05120824)	0.94782 (05120824)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 466553.03	467553.03	468553.03	469553.03	470553.03
3767938.3	0.78009 (07091608)	0.90884 (07091608)	0.85771 (06120908)	0.84464 (06120908)	0.87197 (07020408)
3766938.3	0.79668 (07110608)	0.79868 (07121808)	0.99872 (07091608)	0.94698 (07091608)	0.93070 (06120908)
3765938.3	0.86856 (07092508)	0.87262 (07092508)	0.94619 (07121808)	0.90373 (07091608)	1.04043 (07091608)
3764938.3	0.89518 (07121808)	0.89688 (07121808)	0.95697 (07092508)	0.94573 (07121808)	0.97043 (07121808)
3763938.3	0.96832 (07121808)	0.98644 (07121808)	1.00254 (07121808)	1.02404 (07121808)	1.06236 (07121808)
3762938.3	0.98643 (06112008)	1.03695 (07042108)	1.09282 (07121808)	1.13831 (07121808)	1.15889 (07121808)
3761938.3	0.98562 (06112008)	1.07239 (06112008)	1.12214 (06112008)	1.18227 (07121808)	1.35485 (07121808)
3760938.3	0.87186 (07122808)	0.94425 (06112008)	1.08240 (06112008)	1.22436 (06112008)	1.38056 (06112008)
3759938.3	0.89733 (05122808)	0.96484 (07112008)	1.02322 (07112008)	1.02968 (07122808)	1.21139 (06112008)
3758938.3	1.04612 (06020508)	1.01273 (06020508)	1.04962 (05122808)	1.11286 (05122808)	1.19879 (05101608)
3757938.3	1.13162 (06020508)	1.21977 (06020508)	1.29826 (06020508)	1.35606 (06020508)	1.42600 (06020508)
3756938.3	1.34578 (06123108)	1.38264 (06123108)	1.38235 (06123108)	1.41170 (06123108)	1.46520 (06123108)
3755938.3	1.18912 (06123108)	1.30637 (06123108)	1.45198 (06123108)	1.52594 (06123108)	1.77947 (06123108)
3754938.3	1.22507 (06112108)	1.30120 (06112108)	1.39461 (06112108)	1.49316 (06112108)	1.59501 (06112108)
3753938.3	1.00995 (07120208)	1.07832 (07120208)	1.18077 (07120208)	1.29660 (06112108)	1.34949 (07120208)
3752938.3	1.17589 (07012408)	1.30178 (07012408)	1.42352 (07012408)	1.54030 (07012408)	1.66951 (07012408)
3751938.3	1.31632 (07012408)	1.40266 (07012408)	1.48973 (07012408)	1.57136 (07012408)	1.68080 (07012408)
3750938.3	1.14045 (07033108)	1.21864 (07033108)	1.33189 (05031908)	1.45062 (05031908)	1.76419 (07033108)
3749938.3	1.24248 (05031908)	1.32472 (05031908)	1.37960 (05031908)	1.45867 (05031908)	1.69015 (05031908)
3748938.3	1.13358 (07012408)	1.21008 (07012408)	1.29962 (05031908)	1.28674 (07012408)	1.57633 (07030808)
3747938.3	1.28225 (07030808)	1.46276 (07030808)	1.54843 (07030808)	1.83786 (05110908)	2.26429 (05110908)
3746938.3	1.61242 (05110908)	1.86569 (05110908)	2.10167 (05110908)	2.30074 (05110908)	2.92823 (05110908)
3745938.3	1.90972 (05110908)	2.06742 (05110908)	2.18383 (05110908)	2.42781 (05110908)	2.33149 (05110908)
3744938.3	1.90368 (05110908)	2.19415 (05110908)	1.98861 (05110908)	1.93645 (05110908)	1.60051 (05110908)
3743938.3	1.55490 (05110908)	1.43467 (05110908)	1.27352 (05110908)	1.12010 (05022308)	1.19658 (05022308)
3742938.3	1.32663 (05110908)	1.02531 (05110908)	1.13654 (05022308)	1.43097 (06031908)	1.54104 (06031908)
3741938.3	0.99659 (05120824)	1.09317 (06031908)	1.34741 (06031908)	1.64345 (06031908)	1.45434 (07121508)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 471553.03	472553.03	473553.03	474553.03	475553.03
3767938.3	0.93106 (06102308)	1.06086 (06102308)	1.02037 (06102308)	1.02071 (07030608)	1.22281 (07030608)
3766938.3	0.96517 (07020408)	1.01439 (07112608)	1.15895 (06102308)	1.16121 (06102308)	1.21498 (07030608)
3765938.3	1.03359 (06120908)	1.13199 (07020408)	1.10416 (07112608)	1.32244 (06102308)	1.33343 (06102308)
3764938.3	1.10574 (07091608)	1.55767 (07091608)	1.22050 (07020408)	1.22525 (07112608)	1.50246 (06102308)
3763938.3	1.10525 (07121808)	1.19732 (07110224)	1.49253 (07091608)	1.27499 (07020408)	1.36797 (07020408)
3762938.3	1.20840 (07121808)	1.25905 (07121808)	1.29353 (07121808)	1.54011 (07091608)	1.74946 (07091608)
3761938.3	1.74320 (07042108)	1.86935 (06110308)	1.50460 (07121808)	1.81051 (07110608)	1.38144 (07091608)
3760938.3	1.51324 (07121808)	2.19361 (07042108)	2.02731 (07042108)	2.09101 (06110308)	1.86990 (07121808)
3759938.3	1.41782 (06112008)	1.72097 (06112008)	1.46407 (07042108)	2.54342 (07042108)	2.48160 (07042108)
3758938.3	1.30505 (05101608)	1.80004 (07112008)	1.54915 (07122808)	2.33353 (06112008)	2.93874 (06112008)
3757938.3	1.44275 (05101608)	1.75641 (05122808)	1.42829 (07112008)	1.73732 (07112008)	2.87625 (07112008)
3756938.3	1.68276 (06020508)	1.85109 (06020508)	2.29241 (06020508)	2.21879 (06020508)	3.35250 (06020508)
3755938.3	1.98626 (06123108)	2.05787 (06123108)	2.25735 (06123108)	2.64488 (06020508)	3.04074 (06020508)
3754938.3	1.69863 (06112108)	1.80523 (06112108)	1.94174 (06112108)	2.09876 (06112108)	2.43003 (06123108)
3753938.3	1.38092 (07120208)	1.52287 (07012408)	1.69098 (07012408)	1.89167 (07012408)	2.13975 (07012408)
3752938.3	1.79832 (07012408)	1.93101 (07012408)	2.09842 (07012408)	2.32215 (07012408)	2.59132 (07012408)
3751938.3	2.25218 (07033108)	1.87818 (07012408)	1.97490 (07012408)	2.13825 (07012408)	2.35536 (07012408)
3750938.3	1.91768 (05031908)	1.85315 (05031908)	1.86389 (05031908)	1.93194 (07012408)	2.03415 (07012408)
3749938.3	1.69465 (05031908)	1.65024 (05031908)	1.96674 (05110908)	2.58289 (05110908)	3.26565 (05110908)
3748938.3	1.82701 (05110908)	2.31177 (05110908)	2.88345 (05110908)	3.26800 (05110908)	3.45200 (05110908)
3747938.3	2.76685 (05110908)	3.17275 (05110908)	3.33266 (05110908)	2.75331 (05110908)	2.47338 (05110908)
3746938.3	2.79246 (05110908)	2.67716 (05110908)	2.47081 (05110908)	2.13612 (05110908)	1.80408 (05022308)
3745938.3	2.13605 (05110908)	1.82004 (05110908)	1.64806 (05022308)	1.82228 (06031908)	1.75823 (06031908)
3744938.3	1.32156 (05022308)	1.42578 (05022308)	1.71054 (06031908)	1.91471 (06031908)	1.85998 (05040208)
3743938.3	1.40933 (06031908)	1.52952 (06031908)	1.62008 (05040208)	1.88258 (05040208)	1.68646 (06111808)
3742938.3	1.64729 (06031908)	1.68798 (05040208)	1.78156 (05040208)	1.69468 (06111808)	1.48770 (07122908)
3741938.3	1.79286 (05040208)	1.82769 (05040208)	1.68869 (06111808)	1.57775 (07122908)	1.70461 (06011808)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 476553.03	477553.03	478553.03	479553.03	480553.03
3767938.3	1.18690 (07030608)	1.34822 (06030308)	1.64843 (06030308)	1.65974 (06030308)	1.51459 (06030308)
3766938.3	1.36397 (07030608)	1.24510 (07030608)	1.64104 (06030308)	1.83576 (06030308)	1.81164 (06030308)
3765938.3	1.43325 (07030608)	1.56744 (07030608)	1.51341 (06030308)	2.01527 (06030308)	2.03207 (06030308)
3764938.3	1.52909 (06102308)	1.90064 (07030608)	1.83567 (07030608)	1.91138 (06030308)	2.33397 (06030308)
3763938.3	1.69473 (06102308)	1.98574 (07112608)	1.90643 (07030608)	2.40570 (07030608)	2.36268 (06030308)
3762938.3	1.58260 (07020408)	1.89666 (06102308)	2.18227 (07112608)	2.07773 (07030608)	2.32243 (07030608)
3761938.3	1.80484 (07091608)	1.88672 (07020408)	2.49138 (06102308)	2.27060 (07112608)	1.85427 (07030608)
3760938.3	1.37144 (07110224)	1.51712 (07091608)	2.02739 (07091608)	2.37557 (07112608)	1.72937 (07112608)
3759938.3	2.49929 (07121808)	1.58195 (07121808)	2.76499 (07110224)	1.76647 (07091608)	1.93693 (07112608)
3758938.3	2.94265 (06112008)	3.20208 (07121808)	3.18072 (07121808)	2.06572 (07121808)	2.02729 (07110224)
3757938.3	2.93611 (06112008)	3.66808 (06112008)	3.84999 (07121808)	3.60719 (07121808)	2.93487 (07121808)
3756938.3	2.86572 (05122808)	2.87237 (05122808)	3.68325 (07112008)	4.23619 (07121808)	5.21511 (07121808)
3755938.3	2.95788 (06020508)	3.26278 (06020508)	3.49542 (07121308)	4.84529 (06020508)	5.73886 (05122808)
3754938.3	2.84642 (06123108)	3.27229 (06123108)	3.74504 (06123108)	4.38141 (06123108)	5.39622 (06123108)
3753938.3	2.44994 (07012408)	2.85537 (07012408)	3.38619 (07012408)	4.09972 (07012408)	5.07544 (07012408)
3752938.3	2.92579 (07012408)	3.35338 (07012408)	3.92650 (07012408)	4.60924 (07012408)	5.53197 (07012408)
3751938.3	2.61634 (07012408)	2.90518 (07012408)	3.20346 (07012408)	4.18879 (05110908)	5.99212 (05110908)
3750938.3	2.69839 (05110908)	3.69982 (05110908)	4.83147 (05110908)	5.70048 (05110908)	6.07935 (05110908)
3749938.3	3.88899 (05110908)	4.34579 (05110908)	4.40745 (05110908)	4.02134 (05110908)	3.51527 (05022308)
3748938.3	3.38240 (05110908)	3.05523 (05110908)	2.63638 (05022308)	2.74216 (05040208)	3.34160 (05040208)
3747938.3	2.06716 (05110908)	2.17770 (05022308)	2.49012 (05040208)	2.77408 (05040208)	2.80458 (06011808)
3746938.3	1.94990 (06031908)	2.25558 (05040208)	2.35358 (05040208)	2.32600 (06011808)	2.70975 (06011808)
3745938.3	2.04243 (05040208)	2.03084 (05040208)	2.00044 (06011808)	2.29279 (06011808)	2.34471 (07122424)
3744938.3	1.83801 (06111808)	1.76085 (06011808)	2.00010 (06011808)	1.99131 (06011808)	2.40004 (07122424)
3743938.3	1.58728 (06011808)	1.78278 (06011808)	1.81009 (06011808)	2.10239 (07122424)	2.15484 (07122424)
3742938.3	1.62673 (06011808)	1.65424 (06011808)	1.84417 (07122424)	2.00798 (07122424)	1.72509 (07122424)
3741938.3	1.59852 (06011808)	1.62054 (07122424)	1.85596 (07122424)	1.71199 (07122424)	1.51417 (06121324)

**MODELOPTs: NonDEFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 481553.03	482553.03	483553.03	484553.03	485553.03
3767938.3	1.87762 (05020408)	1.92443 (05020408)	1.96076 (06020908)	2.16442 (06020908)	1.82207 (06020908)
3766938.3	1.94159 (05020408)	2.17810 (05020408)	2.07182 (06020908)	2.39818 (06020908)	2.10191 (06020908)
3765938.3	1.99832 (05020408)	2.43563 (05020408)	2.24541 (05020408)	2.75105 (06020908)	2.43701 (06020908)
3764938.3	2.21421 (06030308)	2.56882 (05020408)	2.63504 (05020408)	3.10121 (06020908)	2.83386 (06020908)
3763938.3	2.70586 (06030308)	2.61778 (05020408)	2.94901 (05020408)	3.32721 (06020908)	2.82033 (06020908)
3762938.3	2.95714 (06030308)	2.98828 (06030308)	3.54999 (05020408)	3.28448 (06020908)	4.26431 (06020908)
3761938.3	2.66203 (07030608)	3.55265 (06030308)	4.21412 (05020408)	3.80254 (05020408)	4.24408 (06020908)
3760938.3	1.74391 (07030608)	2.46292 (06030308)	2.69289 (06030308)	3.64222 (07110308)	4.84267 (06020908)
3759938.3	1.85864 (07112608)	1.91299 (07030608)	2.95034 (06030308)	3.47017 (07050908)	4.34019 (05020408)
3758938.3	2.52400 (07022108)	2.29606 (07112608)	2.71783 (06030308)	3.67021 (06030308)	4.25190 (05020408)
3757938.3	2.95854 (07121808)	3.77737 (07022108)	3.19621 (05010724)	4.88375 (07110308)	5.17095 (07110308)
3756938.3	5.49260 (07121808)	5.76865 (07121808)	7.21487 (07121808)	6.77362 (07110308)	6.54940 (06030308)
3755938.3	6.21638 (05101608)	8.75797 (07121808)	11.93663 (07121808)	13.34813 (07121808)	13.86751 (07110308)
3754938.3	6.40296 (07121308)	8.51368 (07120324)	12.48559 (07120324)	19.13946 (07120324)	42.25771 (05120208)
3753938.3	6.46938 (07012408)	8.60957 (07012408)	13.30525 (07012408)	18.92294 (07012408)	36.02945 (07012408)
3752938.3	6.56117 (07012408)	7.87877 (05110908)	11.60658 (05110908)	15.90859 (05110908)	21.45399 (05110908)
3751938.3	7.79087 (05110908)	9.01797 (05110908)	8.84349 (05110908)	9.17924 (06031908)	14.34998 (06022208)
3750938.3	5.56746 (05110908)	5.07766 (07011224)	6.05284 (06011808)	8.10849 (07122424)	6.47771m(05041208)
3749938.3	4.16441 (05040208)	5.08046 (06011808)	5.85316 (06011808)	5.98827 (05041608)	7.69792m(05041208)
3748938.3	4.07003 (06111808)	3.11762 (06011808)	5.25697 (07122424)	5.35905 (05041608)	6.95840m(05041208)
3747938.3	3.17084 (06011808)	3.58252 (07122424)	3.73865 (06121824)	4.38774 (05041608)	5.38755m(05041208)
3746938.3	2.97542 (07122424)	3.15220 (07122424)	3.26125 (06121824)	3.93088m(05041208)	4.62170m(05041208)
3745938.3	2.74609 (07122424)	2.48953 (06121824)	2.99770 (05041608)	3.67678m(05041208)	4.80414m(05041208)
3744938.3	2.28038 (07122424)	2.29451 (06121824)	2.66293 (05041608)	3.41389m(05041208)	2.54732m(05041208)
3743938.3	1.85154 (06121324)	2.21348 (05041608)	2.65537 (07103108)	2.73211m(05041208)	3.01624m(05041208)
3742938.3	1.76556 (05041608)	2.07516 (05041608)	2.47685m(05041208)	2.81153m(05041208)	2.61819m(05041208)
3741938.3	1.74547 (05041608)	1.87904 (05041608)	2.42752m(05041208)	2.55769m(05041208)	2.31965m(05041208)

**MODELOPTs: NonDEFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 486553.03	487553.03	488553.03	489553.03	490553.03
3767938.3	1.30713 (06112608)	1.36871 (05021408)	1.78586 (05030608)	1.85151 (06021308)	1.39275 (07110508)
3766938.3	1.47105 (06112608)	1.64910 (06112008)	1.70604 (05030608)	1.49711 (06091108)	1.37328 (06012608)
3765938.3	1.66010 (07012708)	1.72920 (06112008)	1.67490 (05030608)	1.49365 (06091108)	1.98243 (06012608)
3764938.3	1.70064 (05030308)	1.72678 (06112008)	1.76703 (05030608)	1.89859 (07110508)	2.15100 (06012608)

3763938.3	1.61464 (05030308)	1.66665 (07073008)	1.92240 (06091108)	2.08937 (06012608)	2.25074 (05110708)
3762938.3	2.30240 (06112608)	2.23029 (06112008)	2.96313 (06021308)	2.94802 (06012608)	2.18422 (06091708)
3761938.3	2.55293 (06112608)	2.81534 (06122508)	2.25697 (06012608)	2.53640 (06012608)	2.07192 (07092408)
3760938.3	3.82877 (06020908)	3.73172 (06021308)	3.13095 (05020908)	2.43014 (06091708)	2.49730 (07092408)
3759938.3	4.08206 (06112608)	4.17363 (06021308)	5.02852 (05020908)	4.31129 (05020908)	3.80492 (06042908)
3758938.3	3.69090 (06020908)	3.62923 (05030308)	3.26042 (06091708)	3.67430 (06042908)	3.35987 (06042908)
3757938.3	6.39673 (06020908)	4.70850 (05042408)	3.88726 (05011608)	3.35861 (05110408)	3.13646 (07051508)
3756938.3	8.38003 (07110308)	7.78162 (06021308)	5.57891 (07051508)	4.20516 (07110708)	3.95416 (06091608)
3755938.3	18.60529 (06122508)	14.72261 (05112108)	9.82173 (06091608)	7.46721 (07122008)	6.63038 (07122008)
3754938.3	46.07393 (07121808)	36.05299 (06112724)	39.92081 (07122008)	15.14216 (07122008)	9.42411 (07122008)
3753938.3	37.93562 (06123108)	37.36610 (07122008)	25.32493 (05112524)	30.79101 (05110324)	15.31841 (05040408)
3752938.3	25.72665 (06011808)	24.31806 (06121124)	19.66621 (05030208)	16.77616 (06112324)	29.69843 (06123108)
3751938.3	8.55172m(05041208)	14.96985 (07031608)	11.82353 (07072208)	10.13640 (07072208)	8.92207 (06010108)
3750938.3	6.13971 (07031608)	9.76944 (07031608)	7.93062 (06091008)	8.14988 (07072208)	6.65054 (07072208)
3749938.3	7.88345 (07121608)	7.69801 (07031608)	6.22410 (07120524)	6.13442 (06091008)	6.29218 (07072208)
3748938.3	5.95442m(05041208)	6.66701 (07031608)	5.36360 (07031608)	4.86716 (06091008)	5.02281 (07072208)
3747938.3	4.92326 (06060408)	5.42929 (07031608)	4.68730 (07031608)	4.25911 (07120524)	4.34219 (06091008)
3746938.3	4.76573 (06060408)	4.03816 (07121608)	4.04353 (07031608)	3.87434 (07120524)	3.53876 (06091008)
3745938.3	3.25857 (06060408)	3.29315 (07121608)	3.42577 (07031608)	3.23139 (07031608)	3.11458 (07120524)
3744938.3	3.07645 (06060408)	2.79247 (07121608)	2.89561 (07031608)	2.98021 (07031608)	2.77154 (07120524)
3743938.3	2.64058 (06060408)	2.48017 (06030508)	2.58478 (07121608)	2.72737 (07111824)	2.57401 (07031508)
3742938.3	2.35904 (06060408)	2.28203 (06030508)	2.36458 (07121608)	2.53853 (07111824)	2.44759 (07031508)
3741938.3	2.13029 (06060408)	2.12950 (06030508)	2.15408 (07121608)	2.36459 (07111824)	2.23743 (07031508)

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 491553.03	492553.03	493553.03	494553.03	495553.03
3767938.3	1.28138 (06012608)	1.00615 (05112108)	0.75417 (05110808)	1.06259 (07092408)	0.94743 (07092408)
3766938.3	1.23721 (05110708)	0.97340 (05112108)	1.24213 (07092408)	1.19443 (07092408)	1.18562 (06042908)
3765938.3	1.65704 (06091708)	1.36453 (07092408)	1.45962 (07041008)	1.34790 (06042908)	1.12015 (07051508)
3764938.3	1.68814 (06091708)	1.72453 (07092408)	1.45434 (06042908)	1.43154 (06042908)	1.11233 (07051508)
3763938.3	1.73807 (07092408)	1.72632 (07041008)	1.95410 (06042908)	1.31373 (07051508)	1.14328 (07042208)
3762938.3	2.12509 (07092408)	2.09966 (06042908)	1.65922 (06042908)	1.30338 (07042208)	1.18376 (05050224)
3761938.3	2.04051 (06042908)	2.11211 (06042908)	1.48292 (07042208)	1.40324 (07110708)	1.34151 (07110708)
3760938.3	2.56306 (06042908)	1.69285 (07042208)	1.88102 (07110708)	1.73693 (07110708)	1.34829 (07110708)
3759938.3	2.55847 (06042908)	2.32338 (07110708)	2.30876 (07110708)	1.57987 (07110708)	1.68122 (06091608)
3758938.3	2.87030 (07110708)	3.07328 (07110708)	2.40435 (06091608)	2.96236 (06091608)	2.58848 (06091608)
3757938.3	2.65523 (07110708)	3.04044 (06091608)	4.12563 (06091608)	2.70510 (07122008)	2.58008 (07122008)
3756938.3	4.03270 (06091608)	3.24003 (06091608)	3.75961 (07122008)	3.46779 (07122008)	2.45694 (07122008)
3755938.3	4.68435 (07122008)	4.53354 (07122008)	3.25832 (07122008)	3.01311 (07122008)	2.90325 (07071224)
3754938.3	6.61108 (07071224)	4.83359 (07071224)	4.71047 (07071224)	3.76909 (07071224)	3.04005 (07071224)
3753938.3	8.78911 (07061124)	7.78917 (07061124)	5.71009 (07061124)	5.50507 (07061124)	4.13026 (07061124)
3752938.3	20.26431 (06091524)	12.33872 (05040408)	8.46286 (05040408)	6.95271 (05040408)	5.15601 (05040408)
3751938.3	14.10875 (07072208)	12.44848 (06112324)	11.55818 (05080508)	8.28981 (06050308)	5.34271 (07063024)
3750938.3	6.49460 (06072108)	7.39476 (05022524)	8.90164 (05022524)	7.86341 (06112324)	7.78626 (05080508)
3749938.3	5.19306 (06072108)	5.38397 (07061508)	5.47842 (05022524)	5.86204 (05022524)	5.36633 (05022524)
3748938.3	5.08380 (07072208)	4.31480 (06072108)	4.30874 (07061508)	3.85710 (05022524)	4.76220 (05022524)
3747938.3	4.47475 (07072208)	4.17972 (07072208)	3.47121 (05092024)	3.48692 (07061508)	3.20048 (07061508)
3746938.3	3.73900 (06091008)	3.90736 (07072208)	3.50885 (07072208)	3.00706 (07070708)	2.88998 (07080408)
3745938.3	3.32152 (06091008)	3.16552 (05070408)	3.40767 (07072208)	2.93857 (07072208)	2.64888 (07070708)
3744938.3	2.80247 (06091008)	2.95772 (06091008)	2.93555 (07072208)	2.96969 (07072208)	2.59112 (07070708)
3743938.3	2.48898 (06042508)	2.75657 (06091008)	2.65151 (05070408)	2.68955 (07072208)	2.60044 (07072208)
3742938.3	2.22606 (07120524)	2.84319 (07040208)	1.91872 (07040208)	1.99751 (07121024)	2.46235 (07072208)
3741938.3	2.49365 (07031508)	2.00761 (06042508)	2.20361 (07040208)	1.47821 (07040208)	2.31908 (07072208)

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 496553.03	497553.03	498553.03	499553.03	500553.03
3767938.3	0.99370 (06042908)	0.92273 (07051508)	0.78332 (07042208)	0.62669 (07042208)	0.55494 (05050224)
3766938.3	1.02884 (07051508)	0.87864 (07042208)	0.71157 (07042208)	0.63833 (05050224)	0.67649 (05050224)
3765938.3	0.96388 (07042208)	0.86408 (07081808)	0.74785 (05050224)	0.62782 (05050224)	0.56715 (05050224)
3764938.3	0.98456 (07042208)	0.90381 (07052008)	0.82316 (05050224)	0.73087 (07072024)	0.63281 (06071908)
3763938.3	1.02227 (05050224)	0.96692 (07052008)	0.93014 (07110708)	0.87113 (07110708)	0.86666 (07103124)
3762938.3	1.11138 (07110708)	1.04346 (07110708)	0.97749 (07103124)	1.05240 (06100124)	1.10312 (06100124)
3761938.3	1.18712 (07110708)	1.18366 (07103124)	1.24293 (06100124)	1.15489 (06100124)	0.73442 (07022808)
3760938.3	1.35793 (07103124)	1.36975 (06100124)	1.43598 (06091608)	1.31895 (06091608)	1.13633 (06091608)
3759938.3	2.00200 (06091608)	1.77196 (06091608)	1.41820 (06091608)	1.23673 (07122008)	1.20776 (07122008)
3758938.3	2.10038 (06091608)	1.81996 (07122008)	1.57300 (07122008)	1.47551 (06031124)	1.37343 (06031124)
3757938.3	2.30851 (07122008)	1.90319 (07122008)	1.60952 (07122008)	1.33204 (07122008)	1.13526 (07122008)
3756938.3	1.95027 (07122008)	1.78867 (07122008)	1.58613 (07122008)	1.58350 (07071224)	1.58122 (07071224)
3755938.3	2.56900 (07071224)	2.21269 (07071224)	1.92301 (07071224)	1.68832 (07071224)	1.48357 (07071224)
3754938.3	2.67718 (07071224)	2.26882 (07071224)	1.92813 (07071224)	1.72026 (07061124)	1.60767 (07061124)
3753938.3	3.11223 (07061124)	2.78507 (07061124)	2.55552 (07061124)	2.35269 (07061124)	2.15039 (07061124)
3752938.3	3.47674 (05040408)	3.14440 (05040408)	2.78258 (05040408)	2.46404 (05040408)	2.17716 (05040408)

3751938.3	3.18227 (07063024)	2.76813 (05081824)	2.34455 (07043024)	2.12963 (05040408)	2.10894 (05040408)
3750938.3	4.30152 (05080508)	3.37258 (06050308)	3.01011 (07063024)	2.54884 (07063024)	2.15743 (05081824)
3749938.3	4.41671 (06112324)	6.02508 (05080508)	5.09732 (05080508)	2.64539 (06012824)	2.07437 (06050308)
3748938.3	3.55951 (06112324)	4.17260 (05022524)	4.11910 (05052908)	3.84275 (05080508)	3.54075 (05080508)
3747938.3	3.80576 (05022524)	3.30133 (05061808)	4.99767 (05022524)	3.04870 (06060808)	2.70319 (05052908)
3746938.3	2.80080 (07061508)	2.79059 (05022524)	3.26005 (05022524)	2.71359 (05022524)	2.59348 (05022524)
3745938.3	2.47852 (07080408)	2.44900 (07061508)	2.17184 (07061508)	2.97341 (05022524)	3.26342 (05022524)
3744938.3	2.35243 (07070708)	2.13778 (07080408)	2.12790 (07061508)	1.97148 (07061508)	2.09365 (05022524)
3743938.3	2.33992 (07070708)	2.10704 (07070708)	1.87630 (07080408)	1.86823 (07061508)	1.82178 (07061508)
3742938.3	2.31024 (07072208)	2.12489 (07070708)	1.89970 (07070708)	1.67381 (07073108)	1.66517 (07061508)
3741938.3	2.25157 (07072208)	2.05262 (07072208)	1.94594 (07070708)	1.72617 (07070708)	1.52898 (07073108)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501553.03	502553.03	503553.03	504553.03	505553.03
3767938.3	0.57476 (05050224)	0.42745 (07040708)	0.28605 (05032008)	0.23226 (05012616)	0.19577 (05012616)
3766938.3	0.49204 (07040708)	0.26692 (05012616)	0.23507 (05012616)	0.19249 (05012616)	0.19713 (05011124)
3765938.3	0.43368 (06071908)	0.23607 (05012616)	0.20694 (05011124)	0.23661 (05011124)	0.28397 (07032708)
3764938.3	0.55242 (06071908)	0.45012 (05081224)	0.39263 (05011124)	0.44272 (07032708)	0.43151 (05040824)
3763938.3	0.98637 (06100124)	0.82748 (06100124)	0.59496 (07022808)	0.57227 (07022808)	0.50850 (05040824)
3762938.3	0.90891 (06100124)	0.85128 (06091608)	0.65522 (05072524)	0.61177 (06041708)	0.65381 (06041708)
3761938.3	1.03598 (06091608)	0.78596 (06091608)	0.85424 (06091608)	0.76208 (07042308)	0.70150 (06031124)
3760938.3	0.97800 (06091608)	0.91640 (07042308)	0.94266 (06031124)	0.95197 (06031124)	0.92025 (06031124)
3759938.3	1.19608 (06031124)	1.15905 (06031124)	1.11384 (06031124)	0.96513 (06031124)	0.88866 (05061224)
3758938.3	1.22120 (06031124)	1.03608 (05061224)	0.93917 (05061224)	0.81327 (07111724)	0.72109 (07081524)
3757938.3	1.06966 (07092308)	1.08668 (07092308)	1.07336 (07092308)	1.01759 (07092308)	1.01289 (07071224)
3756938.3	1.52080 (07071224)	1.43722 (07071224)	1.35850 (07071224)	1.28277 (07071224)	1.21494 (07071224)
3755938.3	1.33119 (07071224)	1.18856 (07071224)	1.11809 (07062508)	1.04622 (07062508)	1.01445 (07100908)
3754938.3	1.45094 (07061124)	1.34150 (07061124)	1.23482 (07061124)	1.15574 (07061124)	1.10976 (06110324)
3753938.3	1.98397 (07061124)	1.83841 (07061124)	1.71916 (07061124)	1.61466 (07061124)	1.52678 (07061124)
3752938.3	1.91266 (05040408)	1.72640 (06051524)	1.64675 (06051524)	1.57385 (06051524)	1.50304 (06051524)
3751938.3	2.07188 (05040408)	2.00588 (05040408)	1.91844 (05040408)	1.81523 (05040408)	1.69490 (05040408)
3750938.3	2.07229 (05081824)	1.81878 (05081824)	1.55798 (07043024)	1.42026 (07043024)	1.25991 (07043024)
3749938.3	2.06248 (07063024)	2.07853 (07063024)	2.00197 (07063024)	1.66328 (07063024)	1.55827 (05081824)
3748938.3	2.38051 (05080508)	1.95208 (06012824)	1.61077 (06050908)	1.66363 (07063024)	1.77787 (07063024)
3747938.3	2.82022 (05080508)	2.74578 (05080508)	2.85018 (05080508)	2.09876 (06012824)	1.79804 (06012824)
3746938.3	2.55196 (07102824)	2.11425 (05052908)	2.67096 (05080508)	3.33655 (05080508)	3.10993 (05080508)
3745938.3	3.59848 (05022524)	3.07426 (06060808)	2.48426 (07102824)	1.68707 (05052908)	1.70898 (05080508)
3744938.3	1.50957 (05022524)	1.94350 (05022524)	2.02371 (05022524)	1.57072 (06060808)	1.44172 (07102824)
3743938.3	1.88335 (07061508)	1.19442 (07110608)	1.37619 (05022524)	1.76253 (05022524)	1.33891 (05022524)
3742938.3	1.69336 (07061508)	1.96757 (07061508)	1.13070 (07062608)	1.12632 (05022524)	1.32454 (05022524)
3741938.3	1.50485 (07073108)	1.55864 (07061508)	1.48077 (07061508)	1.31892 (07062608)	0.91075 (05022524)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71
3754634.4	19.66627 (07120324)	20.87961 (07120324)	21.94882 (07120324)	23.83244 (07120324)	26.03819 (07120324)
3754534.4	19.20862 (07120324)	20.52900 (07120324)	21.37893 (07120324)	22.96444 (07120324)	25.15456 (07120324)
3754434.4	18.46889 (07120324)	19.65689 (07120324)	20.93724 (07120324)	22.37345 (07120324)	24.52578 (07120324)
3754334.4	18.22368 (07012408)	19.20772 (07012408)	20.42209 (07012408)	21.78450 (07012408)	23.46975 (07120324)
3754234.4	18.60170 (07012408)	19.65478 (07012408)	20.67932 (07012408)	21.85953 (07012408)	23.18398 (07012408)
3754134.4	19.03361 (07012408)	19.62683 (07012408)	20.64787 (07012408)	21.65976 (07012408)	22.77606 (07012408)
3754034.4	19.18548 (07012408)	19.53742 (07012408)	20.45294 (07012408)	21.43839 (07012408)	22.56774 (07012408)
3753934.4	18.93107 (07012408)	19.40541 (07012408)	20.33847 (07012408)	21.29142 (07012408)	22.43791 (07012408)
3753834.4	18.21797 (07012408)	19.03236 (07012408)	19.85272 (07012408)	20.99364 (07012408)	21.94711 (07012408)
3753734.4	17.63168 (07012408)	18.44384 (07012408)	19.28172 (07012408)	20.26547 (07012408)	21.33610 (07012408)
3753634.4	17.15610 (07012408)	17.93149 (07012408)	18.75934 (07012408)	19.65434 (07012408)	20.74043 (07012408)
3753534.4	16.84291 (07012408)	17.52327 (07012408)	18.30435 (07012408)	19.18350 (07012408)	20.21570 (07012408)
3753434.4	16.31531 (07012408)	17.01611 (07012408)	17.83185 (07012408)	18.65463 (07012408)	19.70387 (07012408)
3753334.4	15.78631 (05110908)	16.48303 (05110908)	17.23070 (05110908)	18.03749 (05110908)	18.91694 (05110908)
3753234.4	16.03614 (05110908)	16.72351 (05110908)	17.40967 (05110908)	18.12163 (05110908)	18.93849 (05110908)
3753134.4	16.12702 (05110908)	16.74689 (05110908)	17.47106 (05110908)	18.12412 (05110908)	18.65234 (05110908)
3753034.4	16.21977 (05110908)	16.75887 (05110908)	17.18606 (05110908)	17.76866 (05110908)	18.29387 (05110908)
3752934.4	15.89577 (05110908)	16.31000 (05110908)	16.78080 (05110908)	17.15151 (05110908)	17.66755 (05110908)
3752834.4	15.52799 (05110908)	15.80579 (05110908)	16.15043 (05110908)	16.46080 (05110908)	16.77354 (05110908)
3752734.4	14.86443 (05110908)	15.13619 (05110908)	15.24969 (05110908)	15.44833 (05110908)	15.61898 (05110908)
3752634.4	14.17054 (05110908)	14.20147 (05110908)	14.40592 (05110908)	14.46471 (05110908)	14.48156 (05110908)
3752534.4	13.24579 (05110908)	13.25919 (05110908)	13.16300 (05110908)	13.35427 (05110908)	13.32243 (05110908)
3752434.4	12.27319 (05110908)	12.37593 (05110908)	12.31575 (05110908)	12.31120 (05110908)	12.25005 (05110908)
3752334.4	11.33072 (05110908)	11.34416 (05110908)	11.27951 (05110908)	11.28204 (07011224)	11.59622 (06031908)
3752234.4	10.35560 (05110908)	10.33135 (07011224)	10.67244 (07011224)	10.89099 (06031908)	11.22903 (06031908)
3752134.4	9.69643 (07011224)	9.96580 (06031908)	10.30368 (06031908)	10.64025 (06031908)	10.96816 (06031908)
3752034.4	9.48817 (06031908)	9.80199 (06031908)	9.95883 (06031908)	10.27205 (06031908)	10.61240 (06031908)
3751934.4	9.16691 (06031908)	9.44712 (06031908)	9.72633 (06031908)	9.91197 (06031908)	10.09709 (06031908)

3751834.4	8.91914 (06031908)	9.17851 (06031908)	9.38772 (06031908)	9.60262 (06011808)	9.81947 (06011808)
3751734.4	8.74994 (06031908)	8.92097 (06031908)	9.23050 (06011808)	9.45816 (06011808)	9.66522 (06011808)
3751634.4	8.57926 (06011808)	8.82056 (06011808)	9.01540 (06011808)	9.23741 (06011808)	9.68668 (06011808)
3751534.4	8.42154 (06011808)	8.64729 (06011808)	9.57125 (06011808)	9.70935 (06011808)	10.00337 (06011808)
3751434.4	8.41737 (06011808)	9.14331 (06011808)	9.55473 (06011808)	9.70898 (06011808)	9.72192 (06011808)
3751334.4	8.53969 (06011808)	8.98380 (06011808)	9.25498 (06011808)	9.26036 (06011808)	9.30664 (07122424)
3751234.4	8.64394 (06011808)	8.89550 (06011808)	8.87014 (06011808)	9.03002 (07122424)	9.21108 (07122424)
3751134.4	8.56733 (06011808)	8.52948 (06011808)	8.55638 (07122424)	8.72651 (07122424)	8.36010 (07122424)
3751034.4	8.22098 (06011808)	8.23464 (07122424)	8.54324 (07122424)	7.21875 (06121324)	7.65176 (06121324)
3750934.4	8.11357 (07122424)	8.32932 (07122424)	7.18288 (07122424)	6.53805 (06121324)	6.82967 (05041608)

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** CO (No Refrigeration) *** 15:38:45
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**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485051.71	485151.71	485251.71	485351.71	485451.71
3754634.4	27.92224 (07120324)	30.41880 (07120324)	33.78297 (07120324)	39.24565 (07120324)	50.86132 (07120324)
3754534.4	27.99769 (07120324)	30.25710 (07120324)	33.90005 (07120324)	39.23259 (07120324)	48.54938 (07120324)
3754434.4	26.48001 (07120324)	29.14184 (07120324)	32.75761 (07120324)	38.26898 (07120324)	50.53891 (07120324)
3754334.4	25.31892 (07120324)	27.64314 (07120324)	31.14871 (07120324)	36.50475 (07012408)	51.50948 (07012408)
3754234.4	24.91230 (07012408)	26.63709 (07012408)	29.73700 (07012408)	34.32825 (07012408)	45.26862 (07012408)
3754134.4	24.20528 (07012408)	26.10286 (07012408)	28.91233 (07012408)	32.20737 (07012408)	40.70106 (07012408)
3754034.4	23.93047 (07012408)	25.45432 (07012408)	28.08278 (07012408)	31.26073 (07012408)	38.42794 (07012408)
3753934.4	23.58151 (07012408)	25.09841 (07012408)	27.46304 (07012408)	31.02244 (07012408)	38.36292 (07012408)
3753834.4	23.21073 (07012408)	24.81488 (07012408)	26.89870 (07012408)	29.65948 (07012408)	36.86543 (07012408)
3753734.4	22.54028 (07012408)	24.33467 (07012408)	26.28704 (07012408)	29.38863 (07012408)	36.35118 (07012408)
3753634.4	22.01462 (07012408)	23.59902 (07012408)	25.72784 (06123108)	28.97268 (07012408)	35.82590 (07012408)
3753534.4	21.47530 (07012408)	23.04824 (07012408)	25.04385 (07012408)	28.46214 (07012408)	36.32378 (07012408)
3753434.4	20.84651 (07012408)	22.17379 (07012408)	23.98314 (07012408)	27.20448 (07012408)	34.16551 (07012408)
3753334.4	19.88126 (05110908)	21.04167 (05110908)	22.82524 (07121408)	25.68171 (07121408)	31.10761 (07012408)
3753234.4	19.82975 (05110908)	20.79875 (07121408)	22.51928 (07121408)	25.03799 (07121408)	29.96915 (07121408)
3753134.4	19.35200 (05110908)	20.05468 (05110908)	21.41841 (05110908)	23.40800 (05110908)	28.26563 (05110908)
3753034.4	18.95256 (05110908)	19.71912 (05110908)	20.70856 (05110908)	22.13568 (05110908)	24.17328 (05110908)
3752934.4	18.16603 (05110908)	18.72249 (05110908)	19.28438 (05110908)	19.72558 (05110908)	20.13668 (05110908)
3752834.4	17.04821 (05110908)	17.36148 (05110908)	17.71061 (05110908)	17.94288 (05110908)	18.63172 (05110908)
3752734.4	15.89160 (05110908)	15.91795 (05110908)	16.21532 (05110908)	16.50792 (05110908)	17.04348 (05110908)
3752634.4	14.75451 (05110908)	14.85889 (05110908)	14.95977 (05110908)	15.12115 (05110908)	15.81041 (06031908)
3752534.4	13.39115 (05110908)	13.53010 (05110908)	13.77393 (06031908)	14.39861 (06031908)	15.26095 (06011808)
3752434.4	12.24100 (07011224)	12.90508 (06031908)	13.19861 (06031908)	13.89957 (06031908)	14.98045 (06011808)
3752334.4	11.96078 (06031908)	12.42553 (06031908)	12.79563 (06031908)	13.50930 (06011808)	14.60987 (06011808)
3752234.4	11.35540 (06031908)	11.98104 (06031908)	12.24409 (06011808)	13.20944 (06011808)	14.45434 (06011808)
3752134.4	11.20390 (06031908)	11.49031 (06031908)	12.17515 (06011808)	13.10264 (06011808)	14.17842 (06011808)
3752034.4	10.72055 (06031908)	11.18346 (06011808)	11.85752 (06011808)	12.77286 (06011808)	13.99198 (06121324)
3751934.4	10.46311 (06011808)	10.98196 (06011808)	11.48596 (06011808)	12.39744 (06011808)	13.60423 (06121324)
3751834.4	10.22586 (06011808)	10.66278 (06011808)	11.45976 (06011808)	12.40178 (06121324)	12.98862 (06121324)
3751734.4	9.93086 (06011808)	10.46528 (06011808)	11.17829 (06121324)	12.08193 (06121324)	12.51724 (05041608)
3751634.4	9.61326 (06011808)	10.35200 (06121324)	11.17070 (06121324)	11.40864 (06121324)	11.91170 (05041608)
3751534.4	9.95367 (07122424)	10.37673 (06121324)	10.29119 (06121324)	10.52691 (05041608)	8.96039 (05041608)
3751434.4	9.78891 (07122424)	9.51095 (06121324)	9.57356 (05041608)	8.18880 (05041608)	7.38457 (05041608)
3751334.4	9.47476 (07122424)	8.94696 (05041608)	7.87896 (05041608)	7.10705 (05041608)	6.64395 (05041608)
3751234.4	8.65694 (06121324)	8.42844 (05041608)	7.24810 (05041608)	6.71558 (05041608)	6.27046 (05041608)
3751134.4	8.08503 (05041608)	8.31110 (05041608)	7.28823 (05041608)	6.69393 (05041608)	6.10977m(05041208)
3751034.4	7.72170 (05041608)	7.33414 (05041608)	6.54797 (05041608)	6.03618 (05041608)	6.05121m(05041208)
3750934.4	7.04358 (05041608)	6.47048 (05041608)	5.89412 (05041608)	5.52770 (05041608)	5.93543m(05041208)

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** CO (No Refrigeration) *** 15:38:45
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**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112311 , L0112312 , L0112313 , L0112314 ,
L0112315 , L0112316 , L0111920 , L0111921 , L0111922 , L0111923 , L0111924 , L0111925 ,
L0111926 , L0111927 , L0111928 , L0111929 , L0110824 , L0110825 , L0110826 , L0110827 ,
L0110828 , L0110829 , L0110830 , L0110831 , L0110832 , L0110833 , L0110834 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.9	32.01390 (07012408)	33.61882 (07012408)	36.32380 (07012408)	40.72678 (07012408)
3753334.9	26.62438 (07121408)	28.00369 (07012408)	31.74123 (07012408)	38.78558 (07012408)
3753234.9	26.08424 (07121408)	27.35593 (07121408)	30.45447 (07121408)	36.70719 (07121408)
3753134.9	24.65081 (07121408)	26.12395 (05110908)	29.32549 (05110908)	35.20077 (07020708)
3753034.9	23.41370 (05110908)	24.59015 (05110908)	27.17726 (07020708)	34.36536 (07020708)
3752934.9	21.35444 (05110908)	22.66905 (07020708)	25.92451 (07020708)	33.18317 (07020708)
3752834.9	19.59397 (05110908)	21.48101 (07020708)	25.04030 (07020708)	32.17763 (07020708)
3752734.9	18.15279 (07020708)	20.38795 (07020708)	23.81950 (07020708)	30.98151 (07020708)
3752634.9	17.21928 (06011808)	19.19370 (07020708)	22.56659 (07020708)	29.58752 (07020708)
3752534.9	16.76322 (06011808)	18.47136 (06011808)	21.35622 (06022408)	27.88763 (06022408)
3752434.9	16.32604 (06011808)	18.02483 (06011808)	20.89466 (06011808)	28.38077m(05041208)
3752334.9	16.06149 (06011808)	17.91244 (06011808)	20.66505 (06011808)	33.32343m(05041208)
3752234.9	15.88525 (06011808)	17.55270 (06121324)	20.69459 (05041608)	32.26497m(05041208)
3752134.9	15.39539 (06121324)	17.61244 (05041608)	21.61498m(05041208)	28.97394m(05041208)
3752034.9	14.89099 (06011808)	17.01120 (05041608)	20.53877m(05041208)	24.88154m(05041208)
3751934.9	14.28940 (06022208)	16.33842 (05041608)	19.61968m(05041208)	21.11274m(05041208)
3751834.9	14.02308 (05041608)	15.10418 (05041608)	17.38052m(05041208)	16.81467m(05041208)
3751734.9	13.49191 (05041608)	14.72680m(05041208)	15.15789m(05041208)	12.36905m(05041208)

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3751634.9 |     12.19787 (05041608)     12.03650m(05041208)     12.32584m(05041208)     10.71174m(05041208)
3751534.9 |      9.07973 (05041608)      9.71700m(05041208)     10.07000m(05041208)      9.80656m(05041208)
3751434.9 |      7.09253 (05041608)      8.35743m(05041208)      8.73292m(05041208)      8.87840m(05041208)
3751334.9 |      6.87660m(05041208)      7.85664m(05041208)      8.02939m(05041208)      8.11747m(05041208)
3751234.9 |      6.86424m(05041208)      7.50177m(05041208)      7.49366m(05041208)      7.50051m(05041208)
3751134.9 |      6.75948m(05041208)      7.20246m(05041208)      7.05587m(05041208)      7.05039m(05041208)
3751034.9 |      6.60987m(05041208)      6.87897m(05041208)      6.69046m(05041208)      6.71463m(05041208)
3750934.9 |      6.45700m(05041208)      6.55288m(05041208)      6.38542m(05041208)      6.40848m(05041208)
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                   *** CO (No Refrigeration)                                                  ***        15:38:45
                                                                                                                         PAGE  74
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL

                              *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     PHASE1      , L0112311    , L0112312    , L0112313    , L0112314    ,
                 L0112315    , L0112316    , L0111920    , L0111921    , L0111922    , L0111923    , L0111924    , L0111925    ,
                 L0111926    , L0111927    , L0111928    , L0111929    , L0110824    , L0110825    , L0110826    , L0110827    ,
                 L0110828    , L0110829    , L0110830    , L0110831    , L0110832    , L0110833    , L0110834    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                     ** CONC OF CO       IN MICROGRAMS/M**3                          **

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       485619.40   3753969.72       37.91232  (07012408)               485712.99   3753961.92       38.73927  (07121408)
       487190.85   3754410.34       80.31335  (07110824)               487194.75   3754289.46       60.35088  (07110824)
       487268.83   3754090.60       47.35537  (07111724)               487483.30   3754102.29       40.08092  (07122008)
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                   *** CO (No Refrigeration)                                                  ***        15:38:45
                                                                                                                         PAGE  75
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL

                                          *** THE SUMMARY OF HIGHEST  1-HR RESULTS ***

                                     ** CONC OF CO       IN MICROGRAMS/M**3                          **

                                                     DATE                                                                NETWORK
GROUP ID                          AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS     118.45548  ON 07062005: AT (  487190.85,  3754410.34,   509.37,   776.00,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                   *** CO (No Refrigeration)                                                  ***        15:38:45
                                                                                                                         PAGE  76
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL

                                          *** THE SUMMARY OF HIGHEST  8-HR RESULTS ***

                                     ** CONC OF CO       IN MICROGRAMS/M**3                          **

                                                     DATE                                                                NETWORK
GROUP ID                          AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS      80.31335  ON 07110824: AT (  487190.85,  3754410.34,   509.37,   776.00,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                   *** CO (No Refrigeration)                                                  ***        15:38:45
                                                                                                                         PAGE  77
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of           0 Fatal Error Message(s)
 A Total of         189 Warning Message(s)
 A Total of         117 Informational Message(s)

 A Total of       26280 Hours Were Processed

 A Total of           0 Calm Hours Identified

 A Total of         117 Missing Hours Identified (  0.45 Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 SO W320    1322  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
 SO W320    1323  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
 SO W320    1324  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
 SO W320    1325  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
 SO W320    1326  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
 SO W320    1327  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
 SO W320    1328  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
                                                                   Page 53
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SO W320    1329  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1330  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1430  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1431  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
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SO W320    1545  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1546  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1547  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1548  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1549  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1550  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1551  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1552  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1553  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1554  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1555  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1556  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1557  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1558  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
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SO W320    1559  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1560  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1561  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1562  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1563  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1564  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1565  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1653  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1654  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1655  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1656  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1657  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1658  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1659  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1660  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1661  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1662  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1663  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1664  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1665  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1668  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1669  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1670  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1671  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1672  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1673  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1674  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1675  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1676  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1677  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1678  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1681  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1682  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1683  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1684  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1685  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1686  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1687  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1688  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1689  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1690  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1691  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1692  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1693  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1694  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1695  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1696  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1697  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1698  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1699  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1700  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1701  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1702  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1703  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1704  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1705  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1706  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1707  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1708  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1709  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1710  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1711  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1712  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1713  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1714  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1715  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1716  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1717  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1718  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1719  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1720  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1721  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1722  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1723  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1724  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
ME W530    1972 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

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   *** AERMOD Finishes Successfully ***
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WLC LST Assessment - NO2 (Max 1-hr average)

Year: 2017 (Unmitigated Emissions - 15 hour day)

X(m)	Y(m)	Max 1hr Ave Construction (ug/m3)	X(m)	Y(m)	Max 1hr Ave Operations (ug/m3)	Max 1hr Ave Total (ug/m3)
461553	3741938	26.03043	461553	3741938	1.77656	27.80699
462553	3741938	33.73666	462553	3741938	2.09672	35.83338
463553	3741938	35.78587	463553	3741938	1.93521	37.72108
464553	3741938	38.75147	464553	3741938	1.97596	40.72743
465553	3741938	42.53062	465553	3741938	2.29949	44.83011
466553	3741938	37.91277	466553	3741938	2.40524	40.31801
467553	3741938	47.14296	467553	3741938	2.21771	49.36067
468553	3741938	45.02879	468553	3741938	2.27236	47.30115
469553	3741938	53.41261	469553	3741938	2.44557	55.85818
470553	3741938	48.78352	470553	3741938	2.41237	51.19589
471553	3741938	56.69098	471553	3741938	2.65633	59.34731
472553	3741938	43.62222	472553	3741938	2.60749	46.22971
473553	3741938	56.7309	473553	3741938	2.53293	59.26383
474553	3741938	64.87195	474553	3741938	2.79601	67.66796
475553	3741938	61.91033	475553	3741938	2.96054	64.87087
476553	3741938	55.24534	476553	3741938	2.53725	57.78259
477553	3741938	46.60986	477553	3741938	2.30683	48.91669
478553	3741938	49.11546	478553	3741938	2.43161	51.54707
479553	3741938	56.34399	479553	3741938	2.43153	58.77552
480553	3741938	56.575	480553	3741938	2.45347	59.02847
481553	3741938	64.33115	481553	3741938	2.51105	66.84220
482553	3741938	68.79168	482553	3741938	2.68155	71.47323
483553	3741938	61.14136	483553	3741938	2.90872	64.05008
484553	3741938	66.80058	484553	3741938	2.75761	69.55819
485553	3741938	64.29206	485553	3741938	2.56251	66.85457
486553	3741938	65.55983	486553	3741938	2.5376	68.09743
487553	3741938	65.68804	487553	3741938	2.5353	68.22334
488553	3741938	56.56533	488553	3741938	2.75173	59.31706
489553	3741938	61.81937	489553	3741938	2.87456	64.69393
490553	3741938	62.28108	490553	3741938	2.65896	64.94004
491553	3741938	71.02266	491553	3741938	3.4749	74.49756
492553	3741938	64.79582	492553	3741938	3.27437	68.07019
493553	3741938	47.86504	493553	3741938	2.87247	50.73751
494553	3741938	47.70281	494553	3741938	2.84038	50.54319
495553	3741938	64.4076	495553	3741938	2.94742	67.35502
496553	3741938	48.66584	496553	3741938	2.79582	51.46166
497553	3741938	43.79636	497553	3741938	2.55122	46.34758
498553	3741938	44.97982	498553	3741938	2.43922	47.41904
499553	3741938	42.96204	499553	3741938	2.37528	45.33732
500553	3741938	39.59162	500553	3741938	2.26543	41.85705
501553	3741938	39.50514	501553	3741938	2.40162	41.90676
502553	3741938	40.33796	502553	3741938	2.53511	42.87307
503553	3741938	39.23935	503553	3741938	2.50261	41.74196
504553	3741938	39.25808	504553	3741938	2.47921	41.73729
505553	3741938	26.16164	505553	3741938	1.61565	27.77729

461553	3742938	19.30008	461553	3742938	1.78792	21.08800
462553	3742938	21.10338	462553	3742938	1.70498	22.80836
463553	3742938	26.53097	463553	3742938	1.84371	28.37468
464553	3742938	29.99408	464553	3742938	2.02862	32.02270
465553	3742938	32.14638	465553	3742938	2.00237	34.14875
466553	3742938	39.65076	466553	3742938	2.09425	41.74501
467553	3742938	40.60791	467553	3742938	2.29295	42.90086
468553	3742938	41.98004	468553	3742938	2.49762	44.47766
469553	3742938	55.25872	469553	3742938	2.42662	57.68534
470553	3742938	54.1789	470553	3742938	2.5245	56.70340
471553	3742938	55.54102	471553	3742938	2.70506	58.24608
472553	3742938	61.17985	472553	3742938	2.77517	63.95502
473553	3742938	47.09317	473553	3742938	2.63673	49.72990
474553	3742938	55.14221	474553	3742938	2.50801	57.65022
475553	3742938	51.34721	475553	3742938	2.64466	53.99187
476553	3742938	45.89142	476553	3742938	2.71701	48.60843
477553	3742938	53.32765	477553	3742938	2.53733	55.86498
478553	3742938	51.94359	478553	3742938	2.45211	54.39570
479553	3742938	57.33406	479553	3742938	2.63191	59.96597
480553	3742938	58.48298	480553	3742938	2.50532	60.98830
481553	3742938	67.42356	481553	3742938	2.73445	70.15801
482553	3742938	67.38716	482553	3742938	2.65417	70.04133
483553	3742938	71.73077	483553	3742938	3.05933	74.79010
484553	3742938	69.51101	484553	3742938	3.02377	72.53478
485553	3742938	72.45536	485553	3742938	2.68731	75.14267
486553	3742938	68.88917	486553	3742938	2.67361	71.56278
487553	3742938	73.02625	487553	3742938	2.65151	75.67776
488553	3742938	62.98704	488553	3742938	2.99864	65.98568
489553	3742938	67.25511	489553	3742938	2.99642	70.25153
490553	3742938	66.10902	490553	3742938	2.80779	68.91681
491553	3742938	63.49537	491553	3742938	2.82941	66.32478
492553	3742938	75.22671	492553	3742938	3.70239	78.92910
493553	3742938	54.15995	493553	3742938	2.95243	57.11238
494553	3742938	59.24433	494553	3742938	3.293	62.53733
495553	3742938	53.36989	495553	3742938	2.97697	56.34686
496553	3742938	47.95632	496553	3742938	2.71093	50.66725
497553	3742938	48.17233	497553	3742938	2.57872	50.75105
498553	3742938	46.14497	498553	3742938	2.51827	48.66324
499553	3742938	40.72217	499553	3742938	2.40002	43.12219
500553	3742938	43.26877	500553	3742938	2.57535	45.84412
501553	3742938	42.58442	501553	3742938	2.6767	45.26112
502553	3742938	50.17437	502553	3742938	3.01673	53.19110
503553	3742938	33.45028	503553	3742938	2.32016	35.77044
504553	3742938	27.08913	504553	3742938	1.4109	28.50003
505553	3742938	24.41486	505553	3742938	1.19861	25.61347
461553	3743938	23.1304	461553	3743938	1.84108	24.97148
462553	3743938	23.05544	462553	3743938	1.87914	24.93458
463553	3743938	22.07887	463553	3743938	1.89889	23.97776
464553	3743938	21.98257	464553	3743938	1.82688	23.80945
465553	3743938	26.63893	465553	3743938	1.90223	28.54116
466553	3743938	31.59738	466553	3743938	2.02373	33.62111
467553	3743938	36.78499	467553	3743938	2.0148	38.79979
468553	3743938	41.50541	468553	3743938	2.18332	43.68873

469553	3743938	43.85739	469553	3743938	2.45756	46.31495
470553	3743938	44.73818	470553	3743938	2.37963	47.11781
471553	3743938	53.74195	471553	3743938	2.34551	56.08746
472553	3743938	52.02593	472553	3743938	2.49335	54.51928
473553	3743938	56.54767	473553	3743938	2.48425	59.03192
474553	3743938	61.98132	474553	3743938	2.766	64.74732
475553	3743938	47.18254	475553	3743938	2.455	49.63754
476553	3743938	55.82863	476553	3743938	2.76067	58.58930
477553	3743938	50.58577	477553	3743938	2.83614	53.42191
478553	3743938	59.45568	478553	3743938	2.65599	62.11167
479553	3743938	58.16045	479553	3743938	2.68994	60.85039
480553	3743938	69.38954	480553	3743938	2.73241	72.12195
481553	3743938	66.02914	481553	3743938	2.7836	68.81274
482553	3743938	79.44804	482553	3743938	2.80208	82.25012
483553	3743938	86.71241	483553	3743938	3.60352	90.31593
484553	3743938	63.97744	484553	3743938	3.44042	67.41786
485553	3743938	79.91433	485553	3743938	2.90253	82.81686
486553	3743938	73.76436	486553	3743938	2.84341	76.60777
487553	3743938	81.11173	487553	3743938	2.81734	83.92907
488553	3743938	70.7526	488553	3743938	3.23611	73.98871
489553	3743938	74.33121	489553	3743938	3.08362	77.41483
490553	3743938	69.51617	490553	3743938	2.93454	72.45071
491553	3743938	70.27195	491553	3743938	2.94087	73.21282
492553	3743938	71.88345	492553	3743938	2.9935	74.87695
493553	3743938	68.38138	493553	3743938	2.97746	71.35884
494553	3743938	59.25432	494553	3743938	3.19886	62.45318
495553	3743938	52.9748	495553	3743938	2.94387	55.91867
496553	3743938	53.20831	496553	3743938	2.75153	55.95984
497553	3743938	50.15479	497553	3743938	2.68865	52.84344
498553	3743938	45.44817	498553	3743938	2.55335	48.00152
499553	3743938	46.96267	499553	3743938	2.76821	49.73088
500553	3743938	45.02874	500553	3743938	2.81966	47.84840
501553	3743938	53.85875	501553	3743938	2.99796	56.85671
502553	3743938	39.80277	502553	3743938	2.43681	42.23958
503553	3743938	26.34442	503553	3743938	1.52005	27.86447
504553	3743938	27.11909	504553	3743938	1.69345	28.81254
505553	3743938	25.74866	505553	3743938	1.31617	27.06483
461553	3744938	26.44405	461553	3744938	1.71359	28.15764
462553	3744938	27.87027	462553	3744938	1.82166	29.69193
463553	3744938	27.37548	463553	3744938	1.94785	29.32333
464553	3744938	25.84906	464553	3744938	2.0266	27.87566
465553	3744938	25.81363	465553	3744938	2.04652	27.86015
466553	3744938	24.57181	466553	3744938	2.03975	26.61156
467553	3744938	22.72571	467553	3744938	2.33108	25.05679
468553	3744938	38.20943	468553	3744938	2.34392	40.55335
469553	3744938	49.54738	469553	3744938	2.40856	51.95594
470553	3744938	51.53051	470553	3744938	2.54703	54.07754
471553	3744938	51.80097	471553	3744938	2.70822	54.50919
472553	3744938	53.82163	472553	3744938	2.49143	56.31306
473553	3744938	70.05838	473553	3744938	2.6842	72.74258
474553	3744938	77.62681	474553	3744938	2.97005	80.59686
475553	3744938	54.67704	475553	3744938	2.71836	57.39540
476553	3744938	50.3829	476553	3744938	2.58622	52.96912

477553	3744938	61.90532	477553	3744938	2.94393	64.84925
478553	3744938	58.01228	478553	3744938	3.02108	61.03336
479553	3744938	67.58318	479553	3744938	2.8066	70.38978
480553	3744938	67.29218	480553	3744938	2.92487	70.21705
481553	3744938	80.6319	481553	3744938	2.92175	83.55365
482553	3744938	80.57796	482553	3744938	3.11319	83.69115
483553	3744938	82.9444	483553	3744938	3.43767	86.38207
484553	3744938	82.61947	484553	3744938	3.63242	86.25189
485553	3744938	73.83425	485553	3744938	3.46656	77.30081
486553	3744938	82.48169	486553	3744938	3.14022	85.62191
487553	3744938	85.06082	487553	3744938	3.00839	88.06921
488553	3744938	79.56125	488553	3744938	3.47997	83.04122
489553	3744938	82.67141	489553	3744938	3.22097	85.89238
490553	3744938	77.21487	490553	3744938	3.10652	80.32139
491553	3744938	74.35194	491553	3744938	3.16274	77.51468
492553	3744938	75.9364	492553	3744938	3.18203	79.11843
493553	3744938	67.20853	493553	3744938	3.44101	70.64954
494553	3744938	59.35819	494553	3744938	3.31014	62.66833
495553	3744938	59.90664	495553	3744938	2.96387	62.87051
496553	3744938	54.4871	496553	3744938	2.90191	57.38901
497553	3744938	52.64429	497553	3744938	2.78573	55.43002
498553	3744938	50.95135	498553	3744938	3.08474	54.03609
499553	3744938	50.77823	499553	3744938	3.02736	53.80559
500553	3744938	56.4541	500553	3744938	2.75945	59.21355
501553	3744938	42.36857	501553	3744938	2.66053	45.02910
502553	3744938	41.09193	502553	3744938	2.64762	43.73955
503553	3744938	35.88266	503553	3744938	2.82328	38.70594
504553	3744938	26.31026	504553	3744938	1.70797	28.01823
505553	3744938	28.87264	505553	3744938	1.95863	30.83127
461553	3745938	26.61891	461553	3745938	1.81753	28.43644
462553	3745938	28.51925	462553	3745938	1.92622	30.44547
463553	3745938	29.92321	463553	3745938	1.9398	31.86301
464553	3745938	29.65022	464553	3745938	1.86235	31.51257
465553	3745938	30.28921	465553	3745938	1.97633	32.26554
466553	3745938	30.74212	466553	3745938	2.15217	32.89429
467553	3745938	29.99574	467553	3745938	2.24445	32.24019
468553	3745938	30.27524	468553	3745938	2.3123	32.58754
469553	3745938	29.27931	469553	3745938	2.37039	31.64970
470553	3745938	44.26207	470553	3745938	2.77132	47.03339
471553	3745938	54.61266	471553	3745938	2.52425	57.13691
472553	3745938	62.60942	472553	3745938	2.86523	65.47465
473553	3745938	72.13004	473553	3745938	3.07638	75.20642
474553	3745938	72.17762	474553	3745938	2.96875	75.14637
475553	3745938	62.15637	475553	3745938	2.74246	64.89883
476553	3745938	59.39509	476553	3745938	2.86323	62.25832
477553	3745938	55.86514	477553	3745938	2.79184	58.65698
478553	3745938	70.41642	478553	3745938	3.20315	73.61957
479553	3745938	68.82067	479553	3745938	3.2727	72.09337
480553	3745938	76.02013	480553	3745938	3.03259	79.05272
481553	3745938	82.84635	481553	3745938	3.26289	86.10924
482553	3745938	83.45424	482553	3745938	3.37071	86.82495
483553	3745938	87.55385	483553	3745938	3.48012	91.03397
484553	3745938	87.20982	484553	3745938	3.94556	91.15538

485553	3745938	90.42859	485553	3745938	4.60929	95.03788
486553	3745938	78.1042	486553	3745938	4.5109	82.61510
487553	3745938	90.05452	487553	3745938	3.43346	93.48798
488553	3745938	85.41298	488553	3745938	3.75695	89.16993
489553	3745938	85.35964	489553	3745938	3.40684	88.76648
490553	3745938	82.98975	490553	3745938	3.46136	86.45111
491553	3745938	83.16286	491553	3745938	3.44041	86.60327
492553	3745938	77.00408	492553	3745938	3.63948	80.64356
493553	3745938	65.93243	493553	3745938	3.71645	69.64888
494553	3745938	67.7266	494553	3745938	3.25123	70.97783
495553	3745938	58.63702	495553	3745938	3.16781	61.80483
496553	3745938	60.15615	496553	3745938	3.08579	63.24194
497553	3745938	57.08533	497553	3745938	3.42635	60.51168
498553	3745938	62.43739	498553	3745938	3.267	65.70439
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502553	3745938	52.09006	502553	3745938	3.32444	55.41450
503553	3745938	47.45099	503553	3745938	3.09406	50.54505
504553	3745938	40.23408	504553	3745938	2.60166	42.83574
505553	3745938	36.8564	505553	3745938	2.31066	39.16706
461553	3746938	22.9099	461553	3746938	1.8857	24.79560
462553	3746938	26.0661	462553	3746938	1.9543	28.02040
463553	3746938	27.82347	463553	3746938	1.94475	29.76822
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465553	3746938	30.60381	465553	3746938	2.04551	32.64932
466553	3746938	33.7767	466553	3746938	2.13343	35.91013
467553	3746938	35.23121	467553	3746938	2.15028	37.38149
468553	3746938	36.89005	468553	3746938	2.35946	39.24951
469553	3746938	36.83734	469553	3746938	2.48504	39.32238
470553	3746938	51.34079	470553	3746938	2.86304	54.20383
471553	3746938	41.52406	471553	3746938	2.5511	44.07516
472553	3746938	44.98009	472553	3746938	2.76393	47.74402
473553	3746938	65.06669	473553	3746938	3.03931	68.10600
474553	3746938	75.84724	474553	3746938	3.37029	79.21753
475553	3746938	61.59022	475553	3746938	2.99186	64.58208
476553	3746938	71.05838	476553	3746938	2.93385	73.99223
477553	3746938	69.75711	477553	3746938	3.02416	72.78127
478553	3746938	69.20216	478553	3746938	3.097	72.29916
479553	3746938	77.86699	479553	3746938	3.54987	81.41686
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481553	3746938	86.0145	481553	3746938	3.55938	89.57388
482553	3746938	88.16384	482553	3746938	3.65873	91.82257
483553	3746938	89.24537	483553	3746938	3.77741	93.02278
484553	3746938	89.86589	484553	3746938	4.37983	94.24572
485553	3746938	89.31821	485553	3746938	4.2223	93.54051
486553	3746938	90.85423	486553	3746938	4.97251	95.82674
487553	3746938	92.00779	487553	3746938	4.07465	96.08244
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489553	3746938	87.72785	489553	3746938	3.89236	91.62021
490553	3746938	87.23611	490553	3746938	3.8034	91.03951
491553	3746938	85.34207	491553	3746938	3.82233	89.16440
492553	3746938	77.24732	492553	3746938	4.16502	81.41234

493553	3746938	78.14859	493553	3746938	3.67145	81.82004
494553	3746938	69.91047	494553	3746938	3.51821	73.42868
495553	3746938	67.76447	495553	3746938	3.5182	71.28267
496553	3746938	69.84519	496553	3746938	3.7427	73.58789
497553	3746938	68.65665	497553	3746938	3.3991	72.05575
498553	3746938	74.14722	498553	3746938	3.58572	77.73294
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502553	3746938	48.08859	502553	3746938	3.00489	51.09348
503553	3746938	49.08924	503553	3746938	3.03942	52.12866
504553	3746938	47.78603	504553	3746938	2.95616	50.74219
505553	3746938	42.31164	505553	3746938	2.72959	45.04123
461553	3747938	24.57362	461553	3747938	1.90217	26.47579
462553	3747938	25.47057	462553	3747938	2.00205	27.47262
463553	3747938	24.24689	463553	3747938	1.96574	26.21263
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466553	3747938	42.853	466553	3747938	2.51368	45.36668
467553	3747938	43.88603	467553	3747938	2.61266	46.49869
468553	3747938	52.49222	468553	3747938	2.63625	55.12847
469553	3747938	46.53568	469553	3747938	2.51761	49.05329
470553	3747938	51.08584	470553	3747938	2.68317	53.76901
471553	3747938	53.02317	471553	3747938	2.95494	55.97811
472553	3747938	59.47189	472553	3747938	3.02086	62.49275
473553	3747938	59.4652	473553	3747938	2.92423	62.38943
474553	3747938	44.58327	474553	3747938	2.85031	47.43358
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476553	3747938	70.10316	476553	3747938	3.47093	73.57409
477553	3747938	74.01937	477553	3747938	3.27885	77.29822
478553	3747938	79.7287	478553	3747938	3.3173	83.04600
479553	3747938	82.46299	479553	3747938	3.50098	85.96397
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481553	3747938	85.65187	481553	3747938	4.94163	90.59350
482553	3747938	85.70614	482553	3747938	5.48505	91.19119
483553	3747938	95.0242	483553	3747938	4.4868	99.51100
484553	3747938	104.00523	484553	3747938	4.98761	108.99284
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486553	3747938	94.59203	486553	3747938	4.46089	99.05292
487553	3747938	90.3934	487553	3747938	6.18838	96.58178
488553	3747938	93.79448	488553	3747938	4.58173	98.37621
489553	3747938	88.7704	489553	3747938	4.25208	93.02248
490553	3747938	88.72393	490553	3747938	4.25683	92.98076
491553	3747938	85.48741	491553	3747938	4.7258	90.21321
492553	3747938	85.85617	492553	3747938	4.25475	90.11092
493553	3747938	83.61165	493553	3747938	3.96272	87.57437
494553	3747938	78.25693	494553	3747938	4.18039	82.43732
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496553	3747938	85.30761	496553	3747938	4.47256	89.78017
497553	3747938	64.49951	497553	3747938	4.3931	68.89261
498553	3747938	78.4175	498553	3747938	4.36599	82.78349
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504553	3747938	42.12854	504553	3747938	2.91498	45.04352
505553	3747938	42.55604	505553	3747938	2.96141	45.51745
461553	3748938	29.72261	461553	3748938	1.7487	31.47131
462553	3748938	28.25039	462553	3748938	1.73191	29.98230
463553	3748938	28.69175	463553	3748938	1.81309	30.50484
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465553	3748938	29.09527	465553	3748938	2.1782	31.27347
466553	3748938	30.79165	466553	3748938	2.30579	33.09744
467553	3748938	32.48228	467553	3748938	2.44368	34.92596
468553	3748938	49.44492	468553	3748938	2.86898	52.31390
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470553	3748938	58.14071	470553	3748938	2.88772	61.02843
471553	3748938	58.08054	471553	3748938	3.0529	61.13344
472553	3748938	64.67146	472553	3748938	2.97028	67.64174
473553	3748938	55.56564	473553	3748938	2.94858	58.51422
474553	3748938	54.24546	474553	3748938	3.02892	57.27438
475553	3748938	55.21192	475553	3748938	3.03581	58.24773
476553	3748938	53.87499	476553	3748938	3.20703	57.08202
477553	3748938	65.45114	477553	3748938	3.7079	69.15904
478553	3748938	82.61145	478553	3748938	4.01679	86.62824
479553	3748938	86.05791	479553	3748938	3.85987	89.91778
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481553	3748938	95.76564	481553	3748938	5.71526	101.48090
482553	3748938	88.10655	482553	3748938	4.98968	93.09623
483553	3748938	97.21105	483553	3748938	6.61425	103.82530
484553	3748938	120.67765	484553	3748938	5.77849	126.45614
485553	3748938	104.58317	485553	3748938	6.11608	110.69925
486553	3748938	100.73819	486553	3748938	5.2033	105.94149
487553	3748938	99.54572	487553	3748938	6.71137	106.25709
488553	3748938	99.69638	488553	3748938	5.13223	104.82861
489553	3748938	93.78118	489553	3748938	4.85775	98.63893
490553	3748938	92.88192	490553	3748938	5.2941	98.17602
491553	3748938	89.76027	491553	3748938	5.10379	94.86406
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493553	3748938	83.96109	493553	3748938	4.98881	88.94990
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496553	3748938	68.83169	496553	3748938	4.82965	73.66134
497553	3748938	79.12725	497553	3748938	4.71315	83.84040
498553	3748938	79.3904	498553	3748938	4.39297	83.78337
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504553	3748938	39.78381	504553	3748938	2.83915	42.62296
505553	3748938	39.50358	505553	3748938	2.49923	42.00281
461553	3749938	30.02392	461553	3749938	1.84653	31.87045
462553	3749938	30.58925	462553	3749938	1.84131	32.43056
463553	3749938	31.88749	463553	3749938	1.89075	33.77824

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466553	3749938	38.0613	466553	3749938	2.1088	40.17010
467553	3749938	40.17543	467553	3749938	2.23565	42.41108
468553	3749938	41.51776	468553	3749938	2.37538	43.89314
469553	3749938	41.79983	469553	3749938	2.64611	44.44594
470553	3749938	48.00097	470553	3749938	3.18227	51.18324
471553	3749938	56.68638	471553	3749938	3.24624	59.93262
472553	3749938	62.5803	472553	3749938	3.17331	65.75361
473553	3749938	44.00911	473553	3749938	2.87958	46.88869
474553	3749938	49.84285	474553	3749938	3.05474	52.89759
475553	3749938	57.47716	475553	3749938	3.18622	60.66338
476553	3749938	63.93349	476553	3749938	3.46832	67.40181
477553	3749938	72.72733	477553	3749938	3.64801	76.37534
478553	3749938	79.01773	478553	3749938	3.91395	82.93168
479553	3749938	79.11758	479553	3749938	4.70889	83.82647
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481553	3749938	92.22674	481553	3749938	5.01835	97.24509
482553	3749938	102.79227	482553	3749938	6.74137	109.53364
483553	3749938	104.972	483553	3749938	6.72504	111.69704
484553	3749938	104.34947	484553	3749938	8.46132	112.81079
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487553	3749938	106.92583	487553	3749938	7.32388	114.24971
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489553	3749938	103.35615	489553	3749938	5.9858	109.34195
490553	3749938	107.46064	490553	3749938	6.14189	113.60253
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492553	3749938	92.36625	492553	3749938	5.97644	98.34269
493553	3749938	89.40717	493553	3749938	5.40817	94.81534
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498553	3749938	73.59698	498553	3749938	4.56132	78.15830
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503553	3749938	40.04086	503553	3749938	2.63683	42.67769
504553	3749938	40.52456	504553	3749938	2.65707	43.18163
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461553	3750938	28.83219	461553	3750938	1.82709	30.65928
462553	3750938	30.44074	462553	3750938	1.92019	32.36093
463553	3750938	32.3142	463553	3750938	2.00849	34.32269
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466553	3750938	39.60211	466553	3750938	2.33768	41.93979
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469553	3750938	48.37522	469553	3750938	2.5614	50.93662
470553	3750938	56.46828	470553	3750938	2.83669	59.30497
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472553	3750938	66.22893	472553	3750938	3.01473	69.24366
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490553	3750938	123.35821	490553	3750938	7.09081	130.44902
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493553	3750938	108.44552	493553	3750938	5.88388	114.32940
494553	3750938	104.63402	494553	3750938	5.65219	110.28621
495553	3750938	94.38095	495553	3750938	6.08297	100.46392
496553	3750938	78.76661	496553	3750938	5.2318	83.99841
497553	3750938	74.67624	497553	3750938	4.95487	79.63111
498553	3750938	66.66639	498553	3750938	4.11833	70.78472
499553	3750938	46.9183	499553	3750938	3.05429	49.97259
500553	3750938	44.9459	500553	3750938	3.16282	48.10872
501553	3750938	42.30759	501553	3750938	3.03028	45.33787
502553	3750938	41.44605	502553	3750938	2.87369	44.31974
503553	3750938	39.16029	503553	3750938	2.61629	41.77658
504553	3750938	40.63588	504553	3750938	2.67447	43.31035
505553	3750938	35.29041	505553	3750938	2.5859	37.87631
461553	3751938	26.59549	461553	3751938	1.63143	28.22692
462553	3751938	27.64127	462553	3751938	1.68319	29.32446
463553	3751938	28.86141	463553	3751938	1.74432	30.60573
464553	3751938	30.65459	464553	3751938	1.87865	32.53324
465553	3751938	33.11367	465553	3751938	2.03861	35.15228
466553	3751938	35.84012	466553	3751938	2.20119	38.04131
467553	3751938	38.9064	467553	3751938	2.3853	41.29170
468553	3751938	42.20973	468553	3751938	2.56289	44.77262
469553	3751938	45.50958	469553	3751938	2.72276	48.23234
470553	3751938	49.93209	470553	3751938	2.95785	52.88994
471553	3751938	65.68627	471553	3751938	3.47424	69.16051
472553	3751938	59.38417	472553	3751938	3.27727	62.66144
473553	3751938	59.01938	473553	3751938	3.40384	62.42322
474553	3751938	63.6717	474553	3751938	3.5381	67.20980
475553	3751938	70.65596	475553	3751938	3.63701	74.29297
476553	3751938	79.29767	476553	3751938	3.67102	82.96869
477553	3751938	83.84833	477553	3751938	4.08538	87.93371
478553	3751938	87.09291	478553	3751938	4.6373	91.73021
479553	3751938	88.75472	479553	3751938	5.0022	93.75692

480553	3751938	90.57277	480553	3751938	5.4841	96.05687
481553	3751938	92.24012	481553	3751938	6.31495	98.55507
482553	3751938	96.76289	482553	3751938	7.52198	104.28487
483553	3751938	104.96343	483553	3751938	8.50426	113.46769
484553	3751938	130.46695	484553	3751938	9.81879	140.28574
485553	3751938	172.43039	485553	3751938	12.1697	184.60009
486553	3751938	126.94199	486553	3751938	9.24685	136.18884
487553	3751938	148.36269	487553	3751938	14.96316	163.32585
488553	3751938	172.64538	488553	3751938	10.49349	183.13887
489553	3751938	160.99073	489553	3751938	10.2598	171.25053
490553	3751938	138.0246	490553	3751938	9.63581	147.66041
491553	3751938	111.28971	491553	3751938	7.85718	119.14689
492553	3751938	104.70168	492553	3751938	7.0272	111.72888
493553	3751938	103.37448	493553	3751938	8.12636	111.50084
494553	3751938	91.01194	494553	3751938	7.29794	98.30988
495553	3751938	87.21958	495553	3751938	6.00842	93.22800
496553	3751938	76.4541	496553	3751938	4.76803	81.22213
497553	3751938	70.79664	497553	3751938	4.28427	75.08091
498553	3751938	67.114	498553	3751938	3.99769	71.11169
499553	3751938	53.59989	499553	3751938	3.31048	56.91037
500553	3751938	48.26406	500553	3751938	3.07107	51.33513
501553	3751938	47.75445	501553	3751938	3.12533	50.87978
502553	3751938	43.14012	502553	3751938	2.83649	45.97661
503553	3751938	40.86989	503553	3751938	2.63639	43.50628
504553	3751938	41.794	504553	3751938	2.62775	44.42175
505553	3751938	38.93354	505553	3751938	2.53434	41.46788
461553	3752938	24.49096	461553	3752938	1.86987	26.36083
462553	3752938	25.56264	462553	3752938	1.94243	27.50507
463553	3752938	26.92056	463553	3752938	2.0314	28.95196
464553	3752938	28.30885	464553	3752938	2.11629	30.42514
465553	3752938	30.27335	465553	3752938	2.24499	32.51834
466553	3752938	32.8945	466553	3752938	2.42363	35.31813
467553	3752938	35.70574	467553	3752938	2.60135	38.30709
468553	3752938	38.47586	468553	3752938	2.75609	41.23195
469553	3752938	40.47488	469553	3752938	2.88265	43.35753
470553	3752938	42.776	470553	3752938	3.01845	45.79445
471553	3752938	45.53498	471553	3752938	3.09994	48.63492
472553	3752938	48.38093	472553	3752938	3.15978	51.54071
473553	3752938	52.15661	473553	3752938	3.2494	55.40601
474553	3752938	57.44256	474553	3752938	3.51811	60.96067
475553	3752938	63.82024	475553	3752938	3.86723	67.68747
476553	3752938	68.99179	476553	3752938	4.2323	73.22409
477553	3752938	74.20205	477553	3752938	4.66668	78.86873
478553	3752938	79.69198	478553	3752938	5.19506	84.88704
479553	3752938	85.73147	479553	3752938	5.77232	91.50379
480553	3752938	89.7121	480553	3752938	6.55404	96.26614
481553	3752938	93.39039	481553	3752938	7.32867	100.71906
482553	3752938	99.30231	482553	3752938	8.40891	107.71122
483553	3752938	109.07848	483553	3752938	10.09032	119.16880
484553	3752938	126.87365	484553	3752938	13.29172	140.16537
485553	3752938	173.59041	485553	3752938	16.7394	190.32981
486553	3752938	297.36598	486553	3752938	17.65417	315.02015
487553	3752938	228.46987	487553	3752938	17.74791	246.21778

488553	3752938	178.6599	488553	3752938	17.5764	196.23630
489553	3752938	148.13131	489553	3752938	13.50159	161.63290
490553	3752938	135.01879	490553	3752938	11.08433	146.10312
491553	3752938	135.95803	491553	3752938	10.63579	146.59382
492553	3752938	119.04263	492553	3752938	8.16652	127.20915
493553	3752938	101.81896	493553	3752938	8.21353	110.03249
494553	3752938	95.09608	494553	3752938	7.2761	102.37218
495553	3752938	88.59905	495553	3752938	6.30705	94.90610
496553	3752938	71.50471	496553	3752938	4.411	75.91571
497553	3752938	67.58997	497553	3752938	4.19883	71.78880
498553	3752938	58.41245	498553	3752938	3.44689	61.85934
499553	3752938	53.69769	499553	3752938	3.13886	56.83655
500553	3752938	46.75506	500553	3752938	2.8036	49.55866
501553	3752938	44.69045	501553	3752938	2.82292	47.51337
502553	3752938	41.31343	502553	3752938	2.70657	44.02000
503553	3752938	42.34701	503553	3752938	2.68924	45.03625
504553	3752938	40.23244	504553	3752938	2.65015	42.88259
505553	3752938	38.03203	505553	3752938	2.57635	40.60838
461553	3753938	24.40854	461553	3753938	1.64383	26.05237
462553	3753938	25.26348	462553	3753938	1.69797	26.96145
463553	3753938	26.5805	463553	3753938	1.76383	28.34433
464553	3753938	28.02512	464553	3753938	1.8335	29.85862
465553	3753938	30.24325	465553	3753938	1.94805	32.19130
466553	3753938	32.69823	466553	3753938	2.07535	34.77358
467553	3753938	34.96136	467553	3753938	2.1898	37.15116
468553	3753938	38.15607	468553	3753938	2.39085	40.54692
469553	3753938	41.44827	469553	3753938	2.59791	44.04618
470553	3753938	44.29048	470553	3753938	2.7288	47.01928
471553	3753938	46.1973	471553	3753938	2.81129	49.00859
472553	3753938	50.45274	472553	3753938	3.05061	53.50335
473553	3753938	54.63334	473553	3753938	3.29649	57.92983
474553	3753938	58.99931	474553	3753938	3.57476	62.57407
475553	3753938	66.90307	475553	3753938	3.93727	70.84034
476553	3753938	73.83315	476553	3753938	4.34999	78.18314
477553	3753938	76.81415	477553	3753938	4.81715	81.63130
478553	3753938	78.04281	478553	3753938	5.38589	83.42870
479553	3753938	79.04508	479553	3753938	6.06379	85.10887
480553	3753938	84.98125	480553	3753938	7.00614	91.98739
481553	3753938	92.97044	481553	3753938	8.17882	101.14926
482553	3753938	100.06355	482553	3753938	9.79197	109.85552
483553	3753938	104.1368	483553	3753938	13.58355	117.72035
484553	3753938	113.71345	484553	3753938	16.63548	130.34893
485553	3753938	129.87856	485553	3753938	29.15963	159.03819
486553	3753938	163.34899	486553	3753938	25.52316	188.87215
487553	3753938	210.96761	487553	3753938	27.96124	238.92885
488553	3753938	180.24586	488553	3753938	23.04674	203.29260
489553	3753938	171.47587	489553	3753938	15.98439	187.46026
490553	3753938	147.28436	490553	3753938	13.59387	160.87823
491553	3753938	111.03337	491553	3753938	9.96635	120.99972
492553	3753938	108.12973	492553	3753938	8.60159	116.73132
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494553	3753938	88.91934	494553	3753938	6.52911	95.44845
495553	3753938	84.35413	495553	3753938	5.51041	89.86454

496553	3753938	67.73914	496553	3753938	4.12378	71.86292
497553	3753938	59.81185	497553	3753938	3.67126	63.48311
498553	3753938	54.85751	498553	3753938	3.41464	58.27215
499553	3753938	52.65728	499553	3753938	3.16743	55.82471
500553	3753938	47.56549	500553	3753938	2.88983	50.45532
501553	3753938	44.34989	501553	3753938	2.70631	47.05620
502553	3753938	41.45224	502553	3753938	2.5811	44.03334
503553	3753938	42.57842	503553	3753938	2.51196	45.09038
504553	3753938	40.85406	504553	3753938	2.45148	43.30554
505553	3753938	39.46381	505553	3753938	2.40351	41.86732
461553	3754938	26.54466	461553	3754938	1.61547	28.16013
462553	3754938	27.49602	462553	3754938	1.66559	29.16161
463553	3754938	28.50617	463553	3754938	1.73625	30.24242
464553	3754938	29.509	464553	3754938	1.81474	31.32374
465553	3754938	31.31629	465553	3754938	1.89862	33.21491
466553	3754938	35.3707	466553	3754938	2.05898	37.42968
467553	3754938	38.47831	467553	3754938	2.17662	40.65493
468553	3754938	41.27828	468553	3754938	2.3182	43.59648
469553	3754938	44.98223	469553	3754938	2.46287	47.44510
470553	3754938	50.81533	470553	3754938	2.61936	53.43469
471553	3754938	55.36056	471553	3754938	2.78181	58.14237
472553	3754938	57.04798	472553	3754938	2.95573	60.00371
473553	3754938	58.12553	473553	3754938	3.19599	61.32152
474553	3754938	58.02654	474553	3754938	3.46693	61.49347
475553	3754938	60.78861	475553	3754938	3.90042	64.68903
476553	3754938	67.45519	476553	3754938	4.38912	71.84431
477553	3754938	77.49665	477553	3754938	4.89935	82.39600
478553	3754938	84.15726	478553	3754938	5.50529	89.66255
479553	3754938	88.03066	479553	3754938	6.27618	94.30684
480553	3754938	91.24622	480553	3754938	7.77196	99.01818
481553	3754938	92.75827	481553	3754938	8.76691	101.52518
482553	3754938	96.38291	482553	3754938	11.73239	108.11530
483553	3754938	99.92707	483553	3754938	14.83597	114.76304
484553	3754938	102.29457	484553	3754938	19.38469	121.67926
485553	3754938	111.36448	485553	3754938	35.86246	147.22694
486553	3754938	133.29781	486553	3754938	37.06569	170.36350
487553	3754938	132.71344	487553	3754938	34.85088	167.56432
488553	3754938	161.80718	488553	3754938	23.11208	184.91926
489553	3754938	135.50635	489553	3754938	15.53057	151.03692
490553	3754938	117.65155	490553	3754938	11.47513	129.12668
491553	3754938	106.55154	491553	3754938	8.93741	115.48895
492553	3754938	98.69626	492553	3754938	6.80893	105.50519
493553	3754938	90.30853	493553	3754938	6.78559	97.09412
494553	3754938	86.84734	494553	3754938	5.76878	92.61612
495553	3754938	75.45414	495553	3754938	4.70434	80.15848
496553	3754938	69.85157	496553	3754938	4.29457	74.14614
497553	3754938	60.76907	497553	3754938	3.77117	64.54024
498553	3754938	52.29006	498553	3754938	3.44689	55.73695
499553	3754938	50.59986	499553	3754938	3.13391	53.73377
500553	3754938	47.30229	500553	3754938	2.97348	50.27577
501553	3754938	41.61067	501553	3754938	2.73047	44.34114
502553	3754938	38.63185	502553	3754938	2.56976	41.20161
503553	3754938	39.58801	503553	3754938	2.44499	42.03300

504553	3754938	38.04722	504553	3754938	2.37067	40.41789
505553	3754938	35.86757	505553	3754938	2.30126	38.16883
461553	3755938	28.20707	461553	3755938	1.7497	29.95677
462553	3755938	30.6542	462553	3755938	1.81433	32.46853
463553	3755938	33.33921	463553	3755938	1.87371	35.21292
464553	3755938	35.98151	464553	3755938	1.93368	37.91519
465553	3755938	38.54699	465553	3755938	2.00002	40.54701
466553	3755938	41.65268	466553	3755938	2.10698	43.75966
467553	3755938	43.25372	467553	3755938	2.26712	45.52084
468553	3755938	43.3283	468553	3755938	2.48412	45.81242
469553	3755938	42.51039	469553	3755938	2.55475	45.06514
470553	3755938	46.74553	470553	3755938	2.91916	49.66469
471553	3755938	47.61442	471553	3755938	3.16079	50.77521
472553	3755938	46.19973	472553	3755938	3.28688	49.48661
473553	3755938	53.39622	473553	3755938	3.61255	57.00877
474553	3755938	75.10841	474553	3755938	4.05947	79.16788
475553	3755938	78.2056	475553	3755938	4.25421	82.45981
476553	3755938	74.39007	476553	3755938	4.35557	78.74564
477553	3755938	81.75488	477553	3755938	4.80822	86.56310
478553	3755938	82.82744	478553	3755938	5.23605	88.06349
479553	3755938	87.03754	479553	3755938	6.85501	93.89255
480553	3755938	89.08866	480553	3755938	7.97844	97.06710
481553	3755938	92.43327	481553	3755938	9.1393	101.57257
482553	3755938	93.39176	482553	3755938	11.01744	104.40920
483553	3755938	93.71066	483553	3755938	13.07294	106.78360
484553	3755938	93.3162	484553	3755938	14.72734	108.04354
485553	3755938	104.25205	485553	3755938	15.40981	119.66186
486553	3755938	118.70072	486553	3755938	20.44851	139.14923
487553	3755938	106.27597	487553	3755938	20.0649	126.34087
488553	3755938	110.60709	488553	3755938	13.26037	123.86746
489553	3755938	115.01448	489553	3755938	9.51606	124.53054
490553	3755938	109.15801	490553	3755938	7.75272	116.91073
491553	3755938	102.038	491553	3755938	5.22394	107.26194
492553	3755938	95.60516	492553	3755938	5.41323	101.01839
493553	3755938	86.98316	493553	3755938	4.40063	91.38379
494553	3755938	81.73852	494553	3755938	4.56214	86.30066
495553	3755938	78.07012	495553	3755938	4.97368	83.04380
496553	3755938	79.95131	496553	3755938	4.58272	84.53403
497553	3755938	69.27975	497553	3755938	4.21447	73.49422
498553	3755938	63.27599	498553	3755938	3.88606	67.16205
499553	3755938	55.82061	499553	3755938	3.66005	59.48066
500553	3755938	48.58235	500553	3755938	3.41629	51.99864
501553	3755938	43.52715	501553	3755938	3.18737	46.71452
502553	3755938	43.11222	502553	3755938	2.94681	46.05903
503553	3755938	38.60002	503553	3755938	2.68589	41.28591
504553	3755938	35.75883	504553	3755938	2.55605	38.31488
505553	3755938	34.63919	505553	3755938	2.44194	37.08113
461553	3756938	32.97087	461553	3756938	1.8042	34.77507
462553	3756938	33.31738	462553	3756938	1.88307	35.20045
463553	3756938	33.74764	463553	3756938	1.95429	35.70193
464553	3756938	34.54191	464553	3756938	2.03294	36.57485
465553	3756938	34.77852	465553	3756938	2.1033	36.88182
466553	3756938	34.77985	466553	3756938	2.21899	36.99884

467553	3756938	34.78388	467553	3756938	2.2772	37.06108
468553	3756938	34.46246	468553	3756938	2.26131	36.72377
469553	3756938	38.51822	469553	3756938	2.41133	40.92955
470553	3756938	43.1246	470553	3756938	2.6611	45.78570
471553	3756938	47.89431	471553	3756938	2.99965	50.89396
472553	3756938	49.20493	472553	3756938	3.20159	52.40652
473553	3756938	61.20843	473553	3756938	3.57149	64.77992
474553	3756938	49.14106	474553	3756938	3.79265	52.93371
475553	3756938	79.60642	475553	3756938	4.82981	84.43623
476553	3756938	78.13746	476553	3756938	4.30506	82.44252
477553	3756938	84.26128	477553	3756938	4.53612	88.79740
478553	3756938	85.90011	478553	3756938	6.10648	92.00659
479553	3756938	85.89893	479553	3756938	6.98485	92.88378
480553	3756938	81.37077	480553	3756938	7.41101	88.78178
481553	3756938	80.44319	481553	3756938	7.60043	88.04362
482553	3756938	83.76303	482553	3756938	8.20533	91.96836
483553	3756938	89.04228	483553	3756938	10.15696	99.19924
484553	3756938	88.63795	484553	3756938	10.41036	99.04831
485553	3756938	98.16168	485553	3756938	10.7255	108.88718
486553	3756938	91.79388	486553	3756938	12.45175	104.24563
487553	3756938	91.2815	487553	3756938	10.95982	102.24132
488553	3756938	102.1043	488553	3756938	8.23031	110.33461
489553	3756938	96.0132	489553	3756938	6.42586	102.43906
490553	3756938	95.65478	490553	3756938	6.5437	102.19848
491553	3756938	94.21299	491553	3756938	5.89393	100.10692
492553	3756938	88.79973	492553	3756938	4.44493	93.24466
493553	3756938	85.37765	493553	3756938	5.28202	90.65967
494553	3756938	81.9248	494553	3756938	4.76126	86.68606
495553	3756938	73.0351	495553	3756938	3.9202	76.95530
496553	3756938	65.54784	496553	3756938	3.59814	69.14598
497553	3756938	60.94235	497553	3756938	3.4191	64.36145
498553	3756938	54.24202	498553	3756938	3.20117	57.44319
499553	3756938	52.90489	499553	3756938	3.03667	55.94156
500553	3756938	53.67768	500553	3756938	3.06453	56.74221
501553	3756938	53.63225	501553	3756938	3.06655	56.69880
502553	3756938	47.71281	502553	3756938	2.93811	50.65092
503553	3756938	42.63201	503553	3756938	2.75249	45.38450
504553	3756938	39.07886	504553	3756938	2.65791	41.73677
505553	3756938	34.59705	505553	3756938	2.70016	37.29721
461553	3757938	28.07371	461553	3757938	1.73662	29.81033
462553	3757938	27.6556	462553	3757938	1.81585	29.47145
463553	3757938	28.16804	463553	3757938	1.89083	30.05887
464553	3757938	29.85758	464553	3757938	1.99334	31.85092
465553	3757938	32.53463	465553	3757938	2.04879	34.58342
466553	3757938	34.38723	466553	3757938	2.16511	36.55234
467553	3757938	35.2869	467553	3757938	2.27552	37.56242
468553	3757938	35.14346	468553	3757938	2.35445	37.49791
469553	3757938	36.38645	469553	3757938	2.37171	38.75816
470553	3757938	39.96232	470553	3757938	2.45025	42.41257
471553	3757938	43.21313	471553	3757938	2.59324	45.80637
472553	3757938	56.45104	472553	3757938	2.98172	59.43276
473553	3757938	38.82589	473553	3757938	2.84531	41.67120
474553	3757938	42.65374	474553	3757938	3.03668	45.69042

475553	3757938	75.95784	475553	3757938	4.72978	80.68762
476553	3757938	82.59191	476553	3757938	4.50057	87.09248
477553	3757938	81.1537	477553	3757938	5.57358	86.72728
478553	3757938	81.98972	478553	3757938	6.11964	88.10936
479553	3757938	70.25495	479553	3757938	5.76237	76.01732
480553	3757938	63.85978	480553	3757938	5.068	68.92778
481553	3757938	70.58659	481553	3757938	5.27397	75.86056
482553	3757938	85.14433	482553	3757938	7.24292	92.38725
483553	3757938	80.04458	483553	3757938	6.98618	87.03076
484553	3757938	85.99323	484553	3757938	8.02271	94.01594
485553	3757938	88.48625	485553	3757938	7.01527	95.50152
486553	3757938	86.57786	486553	3757938	7.25448	93.83234
487553	3757938	83.79355	487553	3757938	6.71003	90.50358
488553	3757938	88.43452	488553	3757938	6.11377	94.54829
489553	3757938	91.06402	489553	3757938	5.72435	96.78837
490553	3757938	86.2616	490553	3757938	5.5584	91.82000
491553	3757938	86.46657	491553	3757938	4.96571	91.43228
492553	3757938	85.656	492553	3757938	4.98832	90.64432
493553	3757938	80.30137	493553	3757938	5.65257	85.95394
494553	3757938	79.26322	494553	3757938	4.45858	83.72180
495553	3757938	79.13549	495553	3757938	4.2669	83.40239
496553	3757938	62.14956	496553	3757938	3.75609	65.90565
497553	3757938	58.82164	497553	3757938	3.13771	61.95935
498553	3757938	52.40722	498553	3757938	3.04185	55.44907
499553	3757938	52.36827	499553	3757938	2.85284	55.22111
500553	3757938	46.3546	500553	3757938	2.68675	49.04135
501553	3757938	45.22984	501553	3757938	2.52774	47.75758
502553	3757938	42.16083	502553	3757938	2.43216	44.59299
503553	3757938	44.02726	503553	3757938	2.37461	46.40187
504553	3757938	43.10853	504553	3757938	2.36318	45.47171
505553	3757938	36.49489	505553	3757938	2.38162	38.87651
461553	3758938	27.6279	461553	3758938	1.84498	29.47288
462553	3758938	29.27394	462553	3758938	1.91163	31.18557
463553	3758938	30.07388	463553	3758938	1.95625	32.03013
464553	3758938	30.1483	464553	3758938	1.94968	32.09798
465553	3758938	30.6406	465553	3758938	1.91909	32.55969
466553	3758938	30.73454	466553	3758938	1.90557	32.64011
467553	3758938	32.42776	467553	3758938	1.98181	34.40957
468553	3758938	33.43983	468553	3758938	2.04503	35.48486
469553	3758938	34.15367	469553	3758938	2.16105	36.31472
470553	3758938	35.57703	470553	3758938	2.34897	37.92600
471553	3758938	39.09128	471553	3758938	2.48935	41.58063
472553	3758938	36.66811	472553	3758938	3.0001	39.66821
473553	3758938	39.17964	473553	3758938	2.79167	41.97131
474553	3758938	60.55114	474553	3758938	4.31019	64.86133
475553	3758938	74.03064	475553	3758938	4.42177	78.45241
476553	3758938	82.48728	476553	3758938	4.97402	87.46130
477553	3758938	77.48612	477553	3758938	5.41654	82.90266
478553	3758938	71.72425	478553	3758938	5.63226	77.35651
479553	3758938	55.86491	479553	3758938	4.13604	60.00095
480553	3758938	58.84578	480553	3758938	3.99644	62.84222
481553	3758938	74.62428	481553	3758938	5.45013	80.07441
482553	3758938	67.16452	482553	3758938	5.01295	72.17747

483553	3758938	66.78513	483553	3758938	4.88811	71.67324
484553	3758938	77.51101	484553	3758938	6.23673	83.74774
485553	3758938	87.2581	485553	3758938	6.75107	94.00917
486553	3758938	82.42189	486553	3758938	5.80855	88.23044
487553	3758938	80.04309	487553	3758938	7.45908	87.50217
488553	3758938	85.50631	488553	3758938	6.07272	91.57903
489553	3758938	86.85659	489553	3758938	6.4167	93.27329
490553	3758938	89.4361	490553	3758938	6.81431	96.25041
491553	3758938	80.5585	491553	3758938	5.72626	86.28476
492553	3758938	87.71995	492553	3758938	5.55461	93.27456
493553	3758938	82.6571	493553	3758938	5.02645	87.68355
494553	3758938	74.87078	494553	3758938	4.85308	79.72386
495553	3758938	71.38452	495553	3758938	4.07906	75.46358
496553	3758938	68.00539	496553	3758938	3.671	71.67639
497553	3758938	63.10679	497553	3758938	3.50476	66.61155
498553	3758938	49.39139	498553	3758938	3.12387	52.51526
499553	3758938	50.92834	499553	3758938	2.47589	53.40423
500553	3758938	45.68873	500553	3758938	2.31037	47.99910
501553	3758938	43.91592	501553	3758938	2.4009	46.31682
502553	3758938	43.59271	502553	3758938	2.36977	45.96248
503553	3758938	38.63322	503553	3758938	2.28817	40.92139
504553	3758938	34.02283	504553	3758938	2.1694	36.19223
505553	3758938	31.3681	505553	3758938	1.67268	33.04078
461553	3759938	26.18275	461553	3759938	1.61445	27.79720
462553	3759938	26.63678	462553	3759938	1.62501	28.26179
463553	3759938	27.82063	463553	3759938	1.76409	29.58472
464553	3759938	28.02131	464553	3759938	1.72683	29.74814
465553	3759938	29.30158	465553	3759938	1.79659	31.09817
466553	3759938	29.44274	466553	3759938	1.89029	31.33303
467553	3759938	29.75301	467553	3759938	1.98507	31.73808
468553	3759938	30.73089	468553	3759938	2.01976	32.75065
469553	3759938	32.7232	469553	3759938	2.17847	34.90167
470553	3759938	38.02399	470553	3759938	2.41709	40.44108
471553	3759938	42.18074	471553	3759938	2.58616	44.76690
472553	3759938	48.65146	472553	3759938	3.4121	52.06356
473553	3759938	41.13623	473553	3759938	2.80309	43.93932
474553	3759938	64.39371	474553	3759938	4.2814	68.67511
475553	3759938	74.97071	475553	3759938	4.41268	79.38339
476553	3759938	66.32346	476553	3759938	4.80242	71.12588
477553	3759938	47.65985	477553	3759938	3.57804	51.23789
478553	3759938	66.54203	478553	3759938	5.07397	71.61600
479553	3759938	53.61485	479553	3759938	4.18823	57.80308
480553	3759938	69.11146	480553	3759938	4.42426	73.53572
481553	3759938	53.61422	481553	3759938	3.64593	57.26015
482553	3759938	63.54887	482553	3759938	3.67693	67.22580
483553	3759938	63.90046	483553	3759938	4.32443	68.22489
484553	3759938	76.50416	484553	3759938	5.88223	82.38639
485553	3759938	88.74176	485553	3759938	6.91699	95.65875
486553	3759938	88.6497	486553	3759938	7.36485	96.01455
487553	3759938	84.29607	487553	3759938	7.22456	91.52063
488553	3759938	89.58816	488553	3759938	7.20495	96.79311
489553	3759938	89.06552	489553	3759938	6.86388	95.92940
490553	3759938	86.70641	490553	3759938	6.23143	92.93784

491553	3759938	84.26295	491553	3759938	5.54165	89.80460
492553	3759938	70.23959	492553	3759938	4.76021	74.99980
493553	3759938	77.93032	493553	3759938	4.26381	82.19413
494553	3759938	63.81417	494553	3759938	3.98738	67.80155
495553	3759938	65.03299	495553	3759938	3.71287	68.74586
496553	3759938	59.99961	496553	3759938	3.70216	63.70177
497553	3759938	53.29339	497553	3759938	2.97818	56.27157
498553	3759938	58.60727	498553	3759938	2.63609	61.24336
499553	3759938	47.92675	499553	3759938	2.60903	50.53578
500553	3759938	43.46378	500553	3759938	2.68584	46.14962
501553	3759938	42.04371	501553	3759938	2.34336	44.38707
502553	3759938	37.8968	502553	3759938	1.99607	39.89287
503553	3759938	36.06775	503553	3759938	1.85701	37.92476
504553	3759938	32.7429	504553	3759938	1.6527	34.39560
505553	3759938	29.23052	505553	3759938	1.49518	30.72570
461553	3760938	24.87838	461553	3760938	1.55035	26.42873
462553	3760938	25.83312	462553	3760938	1.63095	27.46407
463553	3760938	25.5981	463553	3760938	1.69108	27.28918
464553	3760938	26.14099	464553	3760938	1.76398	27.90497
465553	3760938	26.79054	465553	3760938	1.77643	28.56697
466553	3760938	28.00652	466553	3760938	1.87227	29.87879
467553	3760938	29.49768	467553	3760938	2.04041	31.53809
468553	3760938	33.60022	468553	3760938	2.14164	35.74186
469553	3760938	36.20618	469553	3760938	2.221	38.42718
470553	3760938	40.01471	470553	3760938	2.33646	42.35117
471553	3760938	43.41787	471553	3760938	2.8251	46.24297
472553	3760938	54.5215	472553	3760938	3.67627	58.19777
473553	3760938	61.21106	473553	3760938	3.63755	64.84861
474553	3760938	61.09897	474553	3760938	4.02557	65.12454
475553	3760938	56.45604	475553	3760938	3.96639	60.42243
476553	3760938	41.77636	476553	3760938	3.12765	44.90401
477553	3760938	43.63144	477553	3760938	3.105	46.73644
478553	3760938	62.41513	478553	3760938	4.65531	67.07044
479553	3760938	77.95677	479553	3760938	4.8357	82.79247
480553	3760938	48.83051	480553	3760938	3.57924	52.40975
481553	3760938	59.7006	481553	3760938	3.49197	63.19257
482553	3760938	56.29904	482553	3760938	4.63421	60.93325
483553	3760938	66.25976	483553	3760938	5.21434	71.47410
484553	3760938	84.42538	484553	3760938	5.67844	90.10382
485553	3760938	88.22996	485553	3760938	5.43006	93.66002
486553	3760938	87.44048	486553	3760938	4.79574	92.23622
487553	3760938	84.49286	487553	3760938	5.80135	90.29421
488553	3760938	80.80713	488553	3760938	5.92328	86.73041
489553	3760938	77.54031	489553	3760938	5.00222	82.54253
490553	3760938	75.74611	490553	3760938	4.94525	80.69136
491553	3760938	69.47642	491553	3760938	4.63405	74.11047
492553	3760938	63.82574	492553	3760938	4.08058	67.90632
493553	3760938	64.04141	493553	3760938	3.9997	68.04111
494553	3760938	65.8725	494553	3760938	3.64996	69.52246
495553	3760938	53.38028	495553	3760938	3.31306	56.69334
496553	3760938	54.63975	496553	3760938	3.06243	57.70218
497553	3760938	51.63708	497553	3760938	3.02456	54.66164
498553	3760938	50.5462	498553	3760938	2.85816	53.40436

499553	3760938	42.62981	499553	3760938	2.09689	44.72670
500553	3760938	39.75669	500553	3760938	1.8734	41.63009
501553	3760938	37.48314	501553	3760938	1.71503	39.19817
502553	3760938	35.7578	502553	3760938	1.9756	37.73340
503553	3760938	33.187	503553	3760938	1.67466	34.86166
504553	3760938	30.89873	504553	3760938	1.53968	32.43841
505553	3760938	28.36601	505553	3760938	1.3041	29.67011
461553	3761938	23.6058	461553	3761938	1.57838	25.18418
462553	3761938	24.06247	462553	3761938	1.60781	25.67028
463553	3761938	24.63329	463553	3761938	1.67549	26.30878
464553	3761938	25.72457	464553	3761938	1.8069	27.53147
465553	3761938	27.49729	465553	3761938	1.89171	29.38900
466553	3761938	31.1134	466553	3761938	1.95343	33.06683
467553	3761938	32.34234	467553	3761938	1.91839	34.26073
468553	3761938	33.38252	468553	3761938	1.99188	35.37440
469553	3761938	33.82543	469553	3761938	2.33882	36.16425
470553	3761938	44.21948	470553	3761938	2.61301	46.83249
471553	3761938	58.11194	471553	3761938	3.2763	61.38824
472553	3761938	58.58553	472553	3761938	3.48577	62.07130
473553	3761938	50.79493	473553	3761938	3.02634	53.82127
474553	3761938	51.99072	474553	3761938	3.78357	55.77429
475553	3761938	36.69648	475553	3761938	3.10917	39.80565
476553	3761938	46.49669	476553	3761938	3.80209	50.29878
477553	3761938	60.43055	477553	3761938	4.29504	64.72559
478553	3761938	79.7027	478553	3761938	4.51735	84.22005
479553	3761938	56.12677	479553	3761938	4.28836	60.41513
480553	3761938	50.63916	480553	3761938	3.75525	54.39441
481553	3761938	73.14515	481553	3761938	4.90172	78.04687
482553	3761938	79.78595	482553	3761938	4.99701	84.78296
483553	3761938	85.87085	483553	3761938	4.90974	90.78059
484553	3761938	79.22261	484553	3761938	3.84126	83.06387
485553	3761938	86.55014	485553	3761938	4.65139	91.20153
486553	3761938	81.66746	486553	3761938	5.53668	87.20414
487553	3761938	79.09869	487553	3761938	5.31069	84.40938
488553	3761938	76.05942	488553	3761938	4.89608	80.95550
489553	3761938	70.57433	489553	3761938	4.73303	75.30736
490553	3761938	73.73259	490553	3761938	4.21695	77.94954
491553	3761938	67.13272	491553	3761938	4.12009	71.25281
492553	3761938	62.41856	492553	3761938	3.94487	66.36343
493553	3761938	55.27281	493553	3761938	3.56494	58.83775
494553	3761938	54.29568	494553	3761938	3.24794	57.54362
495553	3761938	54.42768	495553	3761938	3.07965	57.50733
496553	3761938	50.24945	496553	3761938	2.8399	53.08935
497553	3761938	47.20883	497553	3761938	2.80086	50.00969
498553	3761938	48.70708	498553	3761938	2.47583	51.18291
499553	3761938	41.84909	499553	3761938	2.17223	44.02132
500553	3761938	32.52893	500553	3761938	1.30011	33.82904
501553	3761938	34.94685	501553	3761938	1.56529	36.51214
502553	3761938	31.30005	502553	3761938	1.35445	32.65450
503553	3761938	31.47531	503553	3761938	1.41632	32.89163
504553	3761938	29.1712	504553	3761938	1.38244	30.55364
505553	3761938	26.13579	505553	3761938	1.19308	27.32887
461553	3762938	23.58372	461553	3762938	1.67664	25.26036

462553	3762938	24.32397	462553	3762938	1.76029	26.08426
463553	3762938	26.34388	463553	3762938	1.80193	28.14581
464553	3762938	28.88987	464553	3762938	1.76792	30.65779
465553	3762938	29.40782	465553	3762938	1.72607	31.13389
466553	3762938	30.79872	466553	3762938	1.88804	32.68676
467553	3762938	30.78691	467553	3762938	2.12794	32.91485
468553	3762938	35.8538	468553	3762938	2.19534	38.04914
469553	3762938	40.98145	469553	3762938	2.12555	43.10700
470553	3762938	47.76022	470553	3762938	2.20937	49.96959
471553	3762938	43.85002	471553	3762938	2.50407	46.35409
472553	3762938	43.09708	472553	3762938	2.62315	45.72023
473553	3762938	40.80153	473553	3762938	2.66823	43.46976
474553	3762938	45.28661	474553	3762938	2.92126	48.20787
475553	3762938	61.36399	475553	3762938	3.84642	65.21041
476553	3762938	48.15357	476553	3762938	3.43027	51.58384
477553	3762938	71.25755	477553	3762938	3.52498	74.78253
478553	3762938	73.15728	478553	3762938	4.15166	77.30894
479553	3762938	46.89536	479553	3762938	3.97041	50.86577
480553	3762938	64.81158	480553	3762938	4.19855	69.01013
481553	3762938	61.62091	481553	3762938	3.80983	65.43074
482553	3762938	75.18679	482553	3762938	3.72154	78.90833
483553	3762938	71.17291	483553	3762938	3.48452	74.65743
484553	3762938	70.47892	484553	3762938	3.43132	73.91024
485553	3762938	85.01995	485553	3762938	4.81515	89.83510
486553	3762938	80.97238	486553	3762938	4.93957	85.91195
487553	3762938	73.11341	487553	3762938	4.72741	77.84082
488553	3762938	77.12152	488553	3762938	4.88165	82.00317
489553	3762938	79.27959	489553	3762938	4.92114	84.20073
490553	3762938	80.14144	490553	3762938	4.46948	84.61092
491553	3762938	67.61871	491553	3762938	4.1238	71.74251
492553	3762938	65.13899	492553	3762938	3.73929	68.87828
493553	3762938	55.21242	493553	3762938	3.29332	58.50574
494553	3762938	50.57939	494553	3762938	3.14696	53.72635
495553	3762938	49.51387	495553	3762938	2.82754	52.34141
496553	3762938	47.91483	496553	3762938	2.75272	50.66755
497553	3762938	44.03884	497553	3762938	2.45498	46.49382
498553	3762938	42.78256	498553	3762938	2.52626	45.30882
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502553	3762938	29.03547	502553	3762938	1.35875	30.39422
503553	3762938	27.64907	503553	3762938	1.20677	28.85584
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505553	3762938	23.72165	505553	3762938	1.06515	24.78680
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462553	3763938	30.28921	462553	3763938	1.79815	32.08736
463553	3763938	27.81496	463553	3763938	1.64442	29.45938
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466553	3763938	31.92439	466553	3763938	2.01196	33.93635
467553	3763938	36.21429	467553	3763938	1.91981	38.13410
468553	3763938	43.09238	468553	3763938	1.93744	45.02982
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471553	3763938	37.29911	471553	3763938	2.3375	39.63661
472553	3763938	39.31571	472553	3763938	2.55878	41.87449
473553	3763938	43.42203	473553	3763938	2.97022	46.39225
474553	3763938	42.05462	474553	3763938	2.87152	44.92614
475553	3763938	42.97182	475553	3763938	3.0712	46.04302
476553	3763938	58.82102	476553	3763938	3.20215	62.02317
477553	3763938	66.72968	477553	3763938	3.85767	70.58735
478553	3763938	49.86665	478553	3763938	3.67331	53.53996
479553	3763938	65.06697	479553	3763938	4.02702	69.09399
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481553	3763938	57.16147	481553	3763938	3.49488	60.65635
482553	3763938	54.32418	482553	3763938	3.09331	57.41749
483553	3763938	57.07541	483553	3763938	3.11965	60.19506
484553	3763938	82.44391	484553	3763938	3.83629	86.28020
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486553	3763938	59.28838	486553	3763938	4.08209	63.37047
487553	3763938	53.1587	487553	3763938	3.82529	56.98399
488553	3763938	65.59623	488553	3763938	4.078	69.67423
489553	3763938	70.25706	489553	3763938	4.11345	74.37051
490553	3763938	74.60355	490553	3763938	4.3249	78.92845
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492553	3763938	63.61537	492553	3763938	3.60463	67.22000
493553	3763938	45.07912	493553	3763938	3.32375	48.40287
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495553	3763938	46.94686	495553	3763938	2.79385	49.74071
496553	3763938	43.55462	496553	3763938	2.50203	46.05665
497553	3763938	41.5285	497553	3763938	2.4709	43.99940
498553	3763938	39.48486	498553	3763938	2.24537	41.73023
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504553	3763938	23.63954	504553	3763938	1.05567	24.69521
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462553	3764938	29.13009	462553	3764938	1.9042	31.03429
463553	3764938	28.7327	463553	3764938	1.9971	30.72980
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466553	3764938	37.30757	466553	3764938	1.7984	39.10597
467553	3764938	41.52622	467553	3764938	1.95926	43.48548
468553	3764938	36.87065	468553	3764938	2.06957	38.94022
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470553	3764938	32.43078	470553	3764938	2.15035	34.58113
471553	3764938	34.74648	471553	3764938	2.20239	36.94887
472553	3764938	38.82971	472553	3764938	3.08968	41.91939
473553	3764938	40.44086	473553	3764938	2.70827	43.14913
474553	3764938	38.78495	474553	3764938	2.75043	41.53538
475553	3764938	51.04948	475553	3764938	2.88949	53.93897
476553	3764938	57.82061	476553	3764938	2.9977	60.81831
477553	3764938	58.95511	477553	3764938	3.44841	62.40352

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479553	3764938	55.71174	479553	3764938	3.07935	58.79109
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481553	3764938	49.48629	481553	3764938	2.68517	52.17146
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483553	3764938	64.00122	483553	3764938	3.10479	67.10601
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486553	3764938	65.12213	486553	3764938	4.02259	69.14472
487553	3764938	55.6599	487553	3764938	3.82543	59.48533
488553	3764938	56.34919	488553	3764938	3.71727	60.06646
489553	3764938	66.30279	489553	3764938	3.84778	70.15057
490553	3764938	62.12345	490553	3764938	3.77441	65.89786
491553	3764938	68.67453	491553	3764938	3.62455	72.29908
492553	3764938	56.62932	492553	3764938	3.33114	59.96046
493553	3764938	57.16054	493553	3764938	3.02669	60.18723
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495553	3764938	41.87129	495553	3764938	2.41326	44.28455
496553	3764938	42.62905	496553	3764938	2.45891	45.08796
497553	3764938	39.62685	497553	3764938	2.19185	41.81870
498553	3764938	33.24773	498553	3764938	1.86636	35.11409
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500553	3764938	31.46397	500553	3764938	1.67412	33.13809
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503553	3764938	20.24674	503553	3764938	0.86269	21.10943
504553	3764938	17.90575	504553	3764938	0.82425	18.73000
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461553	3765938	26.64277	461553	3765938	1.86644	28.50921
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465553	3765938	39.34317	465553	3765938	1.83806	41.18123
466553	3765938	37.57212	466553	3765938	1.89711	39.46923
467553	3765938	34.45658	467553	3765938	1.95345	36.41003
468553	3765938	35.28838	468553	3765938	2.15105	37.43943
469553	3765938	30.40897	469553	3765938	2.02497	32.43394
470553	3765938	32.02864	470553	3765938	2.06772	34.09636
471553	3765938	32.07232	471553	3765938	2.42035	34.49267
472553	3765938	37.86143	472553	3765938	2.55119	40.41262
473553	3765938	35.29621	473553	3765938	2.4589	37.75511
474553	3765938	44.22163	474553	3765938	2.59741	46.81904
475553	3765938	52.89218	475553	3765938	2.65438	55.54656
476553	3765938	41.43182	476553	3765938	2.55629	43.98811
477553	3765938	36.2655	477553	3765938	2.56757	38.83307
478553	3765938	51.03874	478553	3765938	2.69223	53.73097
479553	3765938	42.75068	479553	3765938	2.83772	45.58840
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481553	3765938	45.80388	481553	3765938	2.72119	48.52507
482553	3765938	49.60475	482553	3765938	2.69237	52.29712
483553	3765938	55.41666	483553	3765938	2.77888	58.19554
484553	3765938	73.20987	484553	3765938	3.01274	76.22261
485553	3765938	71.61039	485553	3765938	3.66812	75.27851

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487553	3765938	59.71929	487553	3765938	3.69884	63.41813
488553	3765938	53.47574	488553	3765938	3.45067	56.92641
489553	3765938	56.09507	489553	3765938	3.33881	59.43388
490553	3765938	62.16454	490553	3765938	3.53724	65.70178
491553	3765938	61.06052	491553	3765938	3.43849	64.49901
492553	3765938	55.29738	492553	3765938	3.10501	58.40239
493553	3765938	58.38212	493553	3765938	2.92868	61.31080
494553	3765938	41.24236	494553	3765938	2.73091	43.97327
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496553	3765938	37.12264	496553	3765938	2.21145	39.33409
497553	3765938	38.54582	497553	3765938	2.16493	40.71075
498553	3765938	33.78909	498553	3765938	1.55447	35.34356
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502553	3765938	10.39287	502553	3765938	0.68787	11.08074
503553	3765938	11.57664	503553	3765938	0.53371	12.11035
504553	3765938	11.89247	504553	3765938	0.53745	12.42992
505553	3765938	13.61668	505553	3765938	0.64173	14.25841
461553	3766938	29.70809	461553	3766938	1.69874	31.40683
462553	3766938	31.23509	462553	3766938	1.64931	32.88440
463553	3766938	35.80357	463553	3766938	1.70186	37.50543
464553	3766938	37.95802	464553	3766938	1.84181	39.79983
465553	3766938	32.75478	465553	3766938	1.81487	34.56965
466553	3766938	31.39149	466553	3766938	1.84766	33.23915
467553	3766938	29.68075	467553	3766938	1.8636	31.54435
468553	3766938	31.59977	468553	3766938	2.05512	33.65489
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470553	3766938	30.3164	470553	3766938	2.19625	32.51265
471553	3766938	33.14579	471553	3766938	2.28581	35.43160
472553	3766938	32.84352	472553	3766938	2.22977	35.07329
473553	3766938	38.3803	473553	3766938	2.32674	40.70704
474553	3766938	47.06417	474553	3766938	2.34436	49.40853
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476553	3766938	33.05862	476553	3766938	2.30689	35.36551
477553	3766938	41.27681	477553	3766938	2.36913	43.64594
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479553	3766938	35.17416	479553	3766938	2.63382	37.80798
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481553	3766938	42.14177	481553	3766938	2.49633	44.63810
482553	3766938	46.03937	482553	3766938	2.5656	48.60497
483553	3766938	50.55171	483553	3766938	2.60614	53.15785
484553	3766938	57.20222	484553	3766938	2.64144	59.84366
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486553	3766938	70.00392	486553	3766938	3.17523	73.17915
487553	3766938	66.59837	487553	3766938	3.49594	70.09431
488553	3766938	58.31769	488553	3766938	3.3764	61.69409
489553	3766938	58.58855	489553	3766938	3.29892	61.88747
490553	3766938	51.27762	490553	3766938	2.90884	54.18646
491553	3766938	46.52168	491553	3766938	2.91003	49.43171
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497553	3766938	33.01835	497553	3766938	2.08191	35.10026
498553	3766938	32.58394	498553	3766938	1.68448	34.26842
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504553	3766938	10.5591	504553	3766938	0.48738	11.04648
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462553	3767938	36.67271	462553	3767938	1.76139	38.43410
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467553	3767938	27.82675	467553	3767938	1.82553	29.65228
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470553	3767938	30.43706	470553	3767938	2.14805	32.58511
471553	3767938	30.59923	471553	3767938	1.97569	32.57492
472553	3767938	35.36732	472553	3767938	2.17182	37.53914
473553	3767938	42.42258	473553	3767938	2.0944	44.51698
474553	3767938	38.06469	474553	3767938	1.9691	40.03379
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477553	3767938	42.13476	477553	3767938	2.31236	44.44712
478553	3767938	34.07262	478553	3767938	2.35031	36.42293
479553	3767938	38.79965	479553	3767938	2.39949	41.19914
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481553	3767938	40.79375	481553	3767938	2.26754	43.06129
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483553	3767938	45.8132	483553	3767938	2.4456	48.25880
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486553	3767938	49.53775	486553	3767938	2.56699	52.10474
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489553	3767938	60.54983	489553	3767938	3.20165	63.75148
490553	3767938	53.67038	490553	3767938	3.01104	56.68142
491553	3767938	42.69916	491553	3767938	2.7035	45.40266
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497553	3767938	30.54786	497553	3767938	1.88978	32.43764
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501553	3767938	20.3704	501553	3767938	1.05652	21.42692

502553	3767938	19.55537	502553	3767938	0.90179	20.45716
503553	3767938	14.91989	503553	3767938	0.75792	15.67781
504553	3767938	9.30231	504553	3767938	0.58744	9.88975
505553	3767938	5.35315	505553	3767938	0.36164	5.71479
484551.7	3750934	118.74786	484551.7	3750934	9.23797	127.98583
484651.7	3750934	120.53143	484651.7	3750934	9.31032	129.84175
484751.7	3750934	111.09813	484751.7	3750934	9.8561	120.95423
484851.7	3750934	108.20977	484851.7	3750934	9.73498	117.94475
484951.7	3750934	106.5193	484951.7	3750934	9.89826	116.41756
485051.7	3750934	105.67849	485051.7	3750934	9.85848	115.53697
485151.7	3750934	106.5588	485151.7	3750934	8.90191	115.46071
485251.7	3750934	108.09313	485251.7	3750934	7.5049	115.59803
485351.7	3750934	122.05255	485351.7	3750934	6.46366	128.51621
485451.7	3750934	123.55228	485451.7	3750934	5.91921	129.47149
484551.7	3751034	128.3112	484551.7	3751034	8.40293	136.71413
484651.7	3751034	125.9348	484651.7	3751034	8.48561	134.42041
484751.7	3751034	119.28413	484751.7	3751034	9.9057	129.18983
484851.7	3751034	111.80105	484851.7	3751034	10.11689	121.91794
484951.7	3751034	113.38008	484951.7	3751034	10.37679	123.75687
485051.7	3751034	108.92219	485051.7	3751034	10.4106	119.33279
485151.7	3751034	107.50329	485151.7	3751034	9.88444	117.38773
485251.7	3751034	108.19464	485251.7	3751034	8.55001	116.74465
485351.7	3751034	122.23829	485351.7	3751034	7.44154	129.67983
485451.7	3751034	124.0486	485451.7	3751034	6.50509	130.55369
484551.7	3751134	129.41376	484551.7	3751134	8.63353	138.04729
484651.7	3751134	131.4646	484651.7	3751134	8.61119	140.07579
484751.7	3751134	129.72885	484751.7	3751134	8.64108	138.36993
484851.7	3751134	119.7842	484851.7	3751134	10.29725	130.08145
484951.7	3751134	119.94472	484951.7	3751134	10.52338	130.46810
485051.7	3751134	114.14572	485051.7	3751134	10.76715	124.91287
485151.7	3751134	110.01156	485151.7	3751134	10.70702	120.71858
485251.7	3751134	109.4092	485251.7	3751134	9.54598	118.95518
485351.7	3751134	115.00628	485351.7	3751134	8.45907	123.46535
485451.7	3751134	125.0713	485451.7	3751134	7.00958	132.08088
484551.7	3751234	126.77848	484551.7	3751234	8.68711	135.46559
484651.7	3751234	132.02932	484651.7	3751234	8.85167	140.88099
484751.7	3751234	134.2242	484751.7	3751234	8.92446	143.14866
484851.7	3751234	131.38902	484851.7	3751234	9.45191	140.84093
484951.7	3751234	127.63646	484951.7	3751234	10.09243	137.72889
485051.7	3751234	121.70457	485051.7	3751234	10.86609	132.57066
485151.7	3751234	113.09944	485151.7	3751234	10.91911	124.01855
485251.7	3751234	109.89583	485251.7	3751234	9.61663	119.51246
485351.7	3751234	111.32094	485351.7	3751234	8.21747	119.53841
485451.7	3751234	126.54494	485451.7	3751234	7.0308	133.57574
484551.7	3751334	126.88482	484551.7	3751334	8.77189	135.65671
484651.7	3751334	129.87257	484651.7	3751334	8.93453	138.80710
484751.7	3751334	134.75106	484751.7	3751334	9.10205	143.85311
484851.7	3751334	137.52074	484851.7	3751334	9.19771	146.71845
484951.7	3751334	137.07833	484951.7	3751334	9.24212	146.32045
485051.7	3751334	130.07973	485051.7	3751334	10.44913	140.52886
485151.7	3751334	119.49873	485151.7	3751334	11.36543	130.86416
485251.7	3751334	112.78018	485251.7	3751334	10.39938	123.17956
485351.7	3751334	112.03075	485351.7	3751334	8.92929	120.96004

485451.7	3751334	122.66108	485451.7	3751334	7.24478	129.90586
484551.7	3751434	126.77582	484551.7	3751434	8.87723	135.65305
484651.7	3751434	130.27879	484651.7	3751434	9.13642	139.41521
484751.7	3751434	134.00385	484751.7	3751434	9.34811	143.35196
484851.7	3751434	137.35252	484851.7	3751434	9.433	146.78552
484951.7	3751434	142.01927	484951.7	3751434	9.4284	151.44767
485051.7	3751434	138.12594	485051.7	3751434	10.16225	148.28819
485151.7	3751434	127.42155	485151.7	3751434	11.30848	138.73003
485251.7	3751434	119.36844	485251.7	3751434	11.66397	131.03241
485351.7	3751434	114.86091	485351.7	3751434	10.49954	125.36045
485451.7	3751434	115.36847	485451.7	3751434	8.81505	124.18352
484551.7	3751534	127.161	484551.7	3751534	9.00908	136.17008
484651.7	3751534	128.07399	484651.7	3751534	9.08845	137.16244
484751.7	3751534	134.35029	484751.7	3751534	9.44076	143.79105
484851.7	3751534	137.48048	484851.7	3751534	9.46023	146.94071
484951.7	3751534	141.03931	484951.7	3751534	9.6136	150.65291
485051.7	3751534	147.29284	485051.7	3751534	9.52198	156.81482
485151.7	3751534	147.2385	485151.7	3751534	9.81616	157.05466
485251.7	3751534	133.79866	485251.7	3751534	11.47855	145.27721
485351.7	3751534	122.40431	485351.7	3751534	12.21245	134.61676
485451.7	3751534	117.70254	485451.7	3751534	11.0661	128.76864
484551.7	3751634	130.46464	484551.7	3751634	9.23015	139.69479
484651.7	3751634	131.5984	484651.7	3751634	9.33251	140.93091
484751.7	3751634	133.08546	484751.7	3751634	9.35205	142.43751
484851.7	3751634	133.62333	484851.7	3751634	9.41077	143.03410
484951.7	3751634	139.58172	484951.7	3751634	9.55355	149.13527
485051.7	3751634	139.47449	485051.7	3751634	9.37994	148.85443
485151.7	3751634	152.10481	485151.7	3751634	9.68705	161.79186
485251.7	3751634	153.33989	485251.7	3751634	10.14491	163.48480
485351.7	3751634	144.55021	485351.7	3751634	11.47244	156.02265
485451.7	3751634	129.29816	485451.7	3751634	12.74303	142.04119
484551.7	3751734	132.91162	484551.7	3751734	9.4124	142.32402
484651.7	3751734	135.00487	484651.7	3751734	9.46787	144.47274
484751.7	3751734	137.15616	484751.7	3751734	9.62535	146.78151
484851.7	3751734	138.45327	484851.7	3751734	9.65464	148.10791
484951.7	3751734	140.10477	484951.7	3751734	9.66495	149.76972
485051.7	3751734	141.23982	485051.7	3751734	9.71677	150.95659
485151.7	3751734	149.09865	485151.7	3751734	9.84027	158.93892
485251.7	3751734	157.85167	485251.7	3751734	10.0835	167.93517
485351.7	3751734	159.60595	485351.7	3751734	10.61718	170.22313
485451.7	3751734	152.52352	485451.7	3751734	11.8155	164.33902
484551.7	3751834	132.74619	484551.7	3751834	9.52075	142.26694
484651.7	3751834	136.76742	484651.7	3751834	9.64832	146.41574
484751.7	3751834	139.82669	484751.7	3751834	9.72362	149.55031
484851.7	3751834	142.36703	484851.7	3751834	9.83028	152.19731
484951.7	3751834	144.59722	484951.7	3751834	9.78517	154.38239
485051.7	3751834	146.73818	485051.7	3751834	9.98242	156.72060
485151.7	3751834	148.85527	485151.7	3751834	10.11093	158.96620
485251.7	3751834	157.03098	485251.7	3751834	10.40219	167.43317
485351.7	3751834	162.59046	485351.7	3751834	10.90983	173.50029
485451.7	3751834	163.34971	485451.7	3751834	11.39246	174.74217
484551.7	3751934	130.55171	484551.7	3751934	9.80577	140.35748
484651.7	3751934	135.22064	484651.7	3751934	9.89832	145.11896

484751.7	3751934	140.1858	484751.7	3751934	10.00774	150.19354
484851.7	3751934	144.56131	484851.7	3751934	10.03003	154.59134
484951.7	3751934	148.23067	484951.7	3751934	10.08058	158.31125
485051.7	3751934	151.32072	485051.7	3751934	10.21086	161.53158
485151.7	3751934	155.49386	485151.7	3751934	10.41944	165.91330
485251.7	3751934	157.91643	485251.7	3751934	10.47089	168.38732
485351.7	3751934	165.58089	485351.7	3751934	10.7973	176.37819
485451.7	3751934	170.75391	485451.7	3751934	11.44823	182.20214
484551.7	3752034	129.25	484551.7	3752034	10.24101	139.49101
484651.7	3752034	133.86102	484651.7	3752034	10.32375	144.18477
484751.7	3752034	137.40105	484751.7	3752034	10.24375	147.64480
484851.7	3752034	142.55105	484851.7	3752034	10.34945	152.90050
484951.7	3752034	149.11382	484951.7	3752034	10.509	159.62282
485051.7	3752034	153.98099	485051.7	3752034	10.44426	164.42525
485151.7	3752034	159.17581	485151.7	3752034	10.62381	169.79962
485251.7	3752034	163.71591	485251.7	3752034	10.84159	174.55750
485351.7	3752034	169.1264	485351.7	3752034	11.07498	180.20138
485451.7	3752034	176.42961	485451.7	3752034	11.73544	188.16505
484551.7	3752134	125.35031	484551.7	3752134	10.41318	135.76349
484651.7	3752134	129.63745	484651.7	3752134	10.59964	140.23709
484751.7	3752134	135.52443	484751.7	3752134	10.68144	146.20587
484851.7	3752134	141.21215	484851.7	3752134	10.754	151.96615
484951.7	3752134	146.49063	484951.7	3752134	10.84293	157.33356
485051.7	3752134	152.12669	485051.7	3752134	10.85538	162.98207
485151.7	3752134	159.47761	485151.7	3752134	10.92843	170.40604
485251.7	3752134	166.81288	485251.7	3752134	11.19558	178.00846
485351.7	3752134	173.59603	485351.7	3752134	11.45342	185.04945
485451.7	3752134	180.05999	485451.7	3752134	11.65114	191.71113
484551.7	3752234	124.89989	484551.7	3752234	10.70025	135.60014
484651.7	3752234	128.3815	484651.7	3752234	10.86343	139.24493
484751.7	3752234	132.47212	484751.7	3752234	11.10909	143.58121
484851.7	3752234	135.79924	484851.7	3752234	11.11756	146.91680
484951.7	3752234	142.96965	484951.7	3752234	11.15378	154.12343
485051.7	3752234	148.72687	485051.7	3752234	11.03167	159.75854
485151.7	3752234	157.03417	485151.7	3752234	11.37199	168.40616
485251.7	3752234	163.88129	485251.7	3752234	11.35281	175.23410
485351.7	3752234	173.27689	485351.7	3752234	11.63802	184.91491
485451.7	3752234	182.5637	485451.7	3752234	11.98454	194.54824
484551.7	3752334	125.88969	484551.7	3752334	11.03928	136.92897
484651.7	3752334	129.05146	484651.7	3752334	11.29946	140.35092
484751.7	3752334	132.00194	484751.7	3752334	11.42195	143.42389
484851.7	3752334	135.106	484851.7	3752334	11.49711	146.60311
484951.7	3752334	139.70617	484951.7	3752334	11.65173	151.35790
485051.7	3752334	144.361	485051.7	3752334	11.68898	156.04998
485151.7	3752334	152.78606	485151.7	3752334	11.84589	164.63195
485251.7	3752334	161.55997	485251.7	3752334	11.88292	173.44289
485351.7	3752334	170.50888	485351.7	3752334	12.05725	182.56613
485451.7	3752334	179.87231	485451.7	3752334	12.24381	192.11612
484551.7	3752434	129.26456	484551.7	3752434	11.26904	140.53360
484651.7	3752434	131.97493	484651.7	3752434	11.69105	143.66598
484751.7	3752434	134.35032	484751.7	3752434	11.82971	146.18003
484851.7	3752434	137.01585	484851.7	3752434	11.99123	149.00708
484951.7	3752434	141.10081	484951.7	3752434	12.08075	153.18156

485051.7	3752434	144.83688	485051.7	3752434	12.0699	156.90678
485151.7	3752434	150.57373	485151.7	3752434	12.39316	162.96689
485251.7	3752434	155.19574	485251.7	3752434	12.33102	167.52676
485351.7	3752434	165.07998	485351.7	3752434	12.58156	177.66154
485451.7	3752434	176.86026	485451.7	3752434	12.74718	189.60744
484551.7	3752534	133.89411	484551.7	3752534	11.51804	145.41215
484651.7	3752534	136.38515	484651.7	3752534	11.86649	148.25164
484751.7	3752534	138.68623	484751.7	3752534	11.99415	150.68038
484851.7	3752534	142.14509	484851.7	3752534	12.383	154.52809
484951.7	3752534	145.09121	484951.7	3752534	12.48133	157.57254
485051.7	3752534	149.32074	485051.7	3752534	12.68218	162.00292
485151.7	3752534	154.04744	485151.7	3752534	12.94205	166.98949
485251.7	3752534	158.41593	485251.7	3752534	12.96405	171.37998
485351.7	3752534	164.70715	485351.7	3752534	13.11777	177.82492
485451.7	3752534	172.70773	485451.7	3752534	13.29266	186.00039
484551.7	3752634	135.18961	484551.7	3752634	11.92745	147.11706
484651.7	3752634	138.27871	484651.7	3752634	12.08348	150.36219
484751.7	3752634	141.97163	484751.7	3752634	12.6169	154.58853
484851.7	3752634	145.71707	484851.7	3752634	12.84731	158.56438
484951.7	3752634	149.6609	484951.7	3752634	12.96649	162.62739
485051.7	3752634	154.68246	485051.7	3752634	13.41133	168.09379
485151.7	3752634	159.64059	485151.7	3752634	13.58907	173.22966
485251.7	3752634	164.8466	485251.7	3752634	13.73201	178.57861
485351.7	3752634	170.41877	485351.7	3752634	13.76314	184.18191
485451.7	3752634	177.8894	485451.7	3752634	13.98428	191.87368
484551.7	3752734	131.2256	484551.7	3752734	12.24602	143.47162
484651.7	3752734	134.67084	484651.7	3752734	12.50835	147.17919
484751.7	3752734	138.40032	484751.7	3752734	12.7274	151.12772
484851.7	3752734	142.6496	484851.7	3752734	13.20459	155.85419
484951.7	3752734	147.32167	484951.7	3752734	13.48761	160.80928
485051.7	3752734	152.7701	485051.7	3752734	13.77491	166.54501
485151.7	3752734	158.25234	485151.7	3752734	13.83755	172.08989
485251.7	3752734	165.1054	485251.7	3752734	14.19347	179.29887
485351.7	3752734	172.41485	485351.7	3752734	14.47968	186.89453
485451.7	3752734	181.10733	485451.7	3752734	14.71478	195.82211
484551.7	3752834	128.86047	484551.7	3752834	12.89279	141.75326
484651.7	3752834	131.77701	484651.7	3752834	12.98437	144.76138
484751.7	3752834	135.06335	484751.7	3752834	13.16871	148.23206
484851.7	3752834	138.67035	484851.7	3752834	13.52906	152.19941
484951.7	3752834	142.70491	484951.7	3752834	14.04901	156.75392
485051.7	3752834	147.21349	485051.7	3752834	14.32138	161.53487
485151.7	3752834	152.4359	485151.7	3752834	14.52718	166.96308
485251.7	3752834	158.61008	485251.7	3752834	14.83988	173.44996
485351.7	3752834	165.30113	485351.7	3752834	15.02568	180.32681
485451.7	3752834	174.34749	485451.7	3752834	15.53676	189.88425
484551.7	3752934	126.90272	484551.7	3752934	13.27228	140.17500
484651.7	3752934	129.55104	484651.7	3752934	13.55186	143.10290
484751.7	3752934	132.48929	484751.7	3752934	13.85257	146.34186
484851.7	3752934	135.63565	484851.7	3752934	13.88172	149.51737
484951.7	3752934	139.21017	484951.7	3752934	14.36805	153.57822
485051.7	3752934	143.16089	485051.7	3752934	14.92402	158.08491
485151.7	3752934	147.63816	485151.7	3752934	15.26972	162.90788
485251.7	3752934	152.74699	485251.7	3752934	15.47479	168.22178

485351.7	3752934	158.54805	485351.7	3752934	15.62751	174.17556
485451.7	3752934	165.10276	485451.7	3752934	15.91654	181.01930
484551.7	3753034	123.61425	484551.7	3753034	13.91705	137.53130
484651.7	3753034	125.75246	484651.7	3753034	14.2212	139.97366
484751.7	3753034	129.12754	484751.7	3753034	14.53103	143.65857
484851.7	3753034	130.50996	484851.7	3753034	14.78611	145.29607
484951.7	3753034	133.17666	484951.7	3753034	15.01352	148.19018
485051.7	3753034	136.11475	485051.7	3753034	15.34385	151.45860
485151.7	3753034	139.27897	485151.7	3753034	16.06844	155.34741
485251.7	3753034	142.81956	485251.7	3753034	16.27285	159.09241
485351.7	3753034	148.28839	485351.7	3753034	16.49935	164.78774
485451.7	3753034	155.91743	485451.7	3753034	16.84525	172.76268
484551.7	3753134	120.9283	484551.7	3753134	14.47747	135.40577
484651.7	3753134	122.09407	484651.7	3753134	14.81883	136.91290
484751.7	3753134	122.69917	484751.7	3753134	15.08589	137.78506
484851.7	3753134	124.9778	484851.7	3753134	15.40491	140.38271
484951.7	3753134	130.05861	484951.7	3753134	15.79521	145.85382
485051.7	3753134	134.3461	485051.7	3753134	16.11948	150.46558
485151.7	3753134	139.49158	485151.7	3753134	16.53826	156.02984
485251.7	3753134	143.71395	485251.7	3753134	17.21013	160.92408
485351.7	3753134	149.14292	485351.7	3753134	17.43131	166.57423
485451.7	3753134	154.3498	485451.7	3753134	17.8033	172.15310
484551.7	3753234	119.48987	484551.7	3753234	14.69659	134.18646
484651.7	3753234	122.30685	484651.7	3753234	15.17927	137.48612
484751.7	3753234	125.42725	484751.7	3753234	15.69898	141.12623
484851.7	3753234	128.92508	484851.7	3753234	16.22214	145.14722
484951.7	3753234	132.5367	484951.7	3753234	16.61044	149.14714
485051.7	3753234	135.98921	485051.7	3753234	16.97013	152.95934
485151.7	3753234	139.50621	485151.7	3753234	17.41523	156.92144
485251.7	3753234	141.52057	485251.7	3753234	17.77348	159.29405
485351.7	3753234	145.87431	485351.7	3753234	18.82042	164.69473
485451.7	3753234	148.94236	485451.7	3753234	19.09725	168.03961
484551.7	3753334	121.63668	484551.7	3753334	14.82989	136.46657
484651.7	3753334	124.4419	484651.7	3753334	15.45893	139.90083
484751.7	3753334	126.97039	484751.7	3753334	16.01098	142.98137
484851.7	3753334	129.46046	484851.7	3753334	16.62392	146.08438
484951.7	3753334	131.61975	484951.7	3753334	17.26356	148.88331
485051.7	3753334	133.41303	485051.7	3753334	17.98155	151.39458
485151.7	3753334	136.05277	485151.7	3753334	18.52205	154.57482
485251.7	3753334	138.76932	485251.7	3753334	19.148	157.91732
485351.7	3753334	141.27	485351.7	3753334	19.96815	161.23815
485451.7	3753334	143.72622	485451.7	3753334	21.3226	165.04882
484551.7	3753434	122.16161	484551.7	3753434	14.67573	136.83734
484651.7	3753434	124.01579	484651.7	3753434	15.44192	139.45771
484751.7	3753434	125.45007	484751.7	3753434	16.21043	141.66050
484851.7	3753434	126.73609	484851.7	3753434	16.91374	143.64983
484951.7	3753434	129.02041	484951.7	3753434	17.70964	146.73005
485051.7	3753434	131.13015	485051.7	3753434	18.4173	149.54745
485151.7	3753434	133.16399	485151.7	3753434	19.09326	152.25725
485251.7	3753434	135.15066	485251.7	3753434	19.95364	155.10430
485351.7	3753434	136.88456	485351.7	3753434	21.30715	158.19171
485451.7	3753434	139.15336	485451.7	3753434	23.08771	162.24107
484551.7	3753534	120.31265	484551.7	3753534	14.56012	134.87277

484651.7	3753534	121.73322	484651.7	3753534	15.19284	136.92606
484751.7	3753534	123.66762	484751.7	3753534	16.04293	139.71055
484851.7	3753534	125.17251	484851.7	3753534	17.08609	142.25860
484951.7	3753534	126.80206	484951.7	3753534	17.90308	144.70514
485051.7	3753534	128.52143	485051.7	3753534	18.58434	147.10577
485151.7	3753534	129.95324	485151.7	3753534	19.41345	149.36669
485251.7	3753534	131.28302	485251.7	3753534	20.25491	151.53793
485351.7	3753534	132.59519	485351.7	3753534	21.63444	154.22963
485451.7	3753534	136.85363	485451.7	3753534	23.55377	160.40740
484551.7	3753634	119.2559	484551.7	3753634	14.79318	134.04908
484651.7	3753634	120.3488	484651.7	3753634	15.48912	135.83792
484751.7	3753634	122.04234	484751.7	3753634	15.70529	137.74763
484851.7	3753634	123.26508	484851.7	3753634	16.78484	140.04992
484951.7	3753634	124.33003	484951.7	3753634	17.76277	142.09280
485051.7	3753634	125.23245	485051.7	3753634	18.72993	143.96238
485151.7	3753634	126.39619	485151.7	3753634	19.74369	146.13988
485251.7	3753634	127.95202	485251.7	3753634	20.78496	148.73698
485351.7	3753634	132.02715	485351.7	3753634	22.04313	154.07028
485451.7	3753634	136.52281	485451.7	3753634	23.81259	160.33540
484551.7	3753734	117.7981	484551.7	3753734	15.19788	132.99598
484651.7	3753734	118.74177	484651.7	3753734	15.64754	134.38931
484751.7	3753734	119.5752	484751.7	3753734	16.01829	135.59349
484851.7	3753734	120.61466	484851.7	3753734	16.64509	137.25975
484951.7	3753734	121.79987	484951.7	3753734	17.52748	139.32735
485051.7	3753734	123.22462	485051.7	3753734	18.54495	141.76957
485151.7	3753734	124.15446	485151.7	3753734	20.24266	144.39712
485251.7	3753734	128.40965	485251.7	3753734	21.18854	149.59819
485351.7	3753734	132.70101	485351.7	3753734	22.50568	155.20669
485451.7	3753734	134.66423	485451.7	3753734	24.38868	159.05291
484551.7	3753834	115.63358	484551.7	3753834	15.80471	131.43829
484651.7	3753834	116.77897	484651.7	3753834	16.23903	133.01800
484751.7	3753834	117.90219	484751.7	3753834	16.61759	134.51978
484851.7	3753834	118.40468	484851.7	3753834	17.43328	135.83796
484951.7	3753834	120.24548	484951.7	3753834	17.77758	138.02306
485051.7	3753834	122.24686	485051.7	3753834	18.57529	140.82215
485151.7	3753834	124.663	485151.7	3753834	20.0278	144.69080
485251.7	3753834	129.06568	485251.7	3753834	21.37804	150.44372
485351.7	3753834	130.72752	485351.7	3753834	22.69247	153.41999
485451.7	3753834	130.19216	485451.7	3753834	24.97624	155.16840
484551.7	3753934	113.72473	484551.7	3753934	16.61241	130.33714
484651.7	3753934	115.38854	484651.7	3753934	16.81526	132.20380
484751.7	3753934	116.3227	484751.7	3753934	17.45709	133.77979
484851.7	3753934	117.93547	484851.7	3753934	18.01301	135.94848
484951.7	3753934	119.75327	484951.7	3753934	18.72697	138.48024
485051.7	3753934	122.18659	485051.7	3753934	19.23984	141.42643
485151.7	3753934	124.73443	485151.7	3753934	19.92536	144.65979
485251.7	3753934	126.42491	485251.7	3753934	21.61511	148.04002
485351.7	3753934	125.63864	485351.7	3753934	23.59309	149.23173
485451.7	3753934	127.67207	485451.7	3753934	25.84646	153.51853
484551.7	3754034	112.6379	484551.7	3754034	17.33954	129.97744
484651.7	3754034	115.00721	484651.7	3754034	17.29911	132.30632
484751.7	3754034	116.4378	484751.7	3754034	18.00736	134.44516
484851.7	3754034	118.0898	484851.7	3754034	18.66726	136.75706

484951.7	3754034	119.17625	484951.7	3754034	19.44864	138.62489
485051.7	3754034	119.66693	485051.7	3754034	20.40948	140.07641
485151.7	3754034	123.23375	485151.7	3754034	20.98217	144.21592
485251.7	3754034	122.93405	485251.7	3754034	22.85704	145.79109
485351.7	3754034	124.88039	485351.7	3754034	23.5769	148.45729
485451.7	3754034	126.41882	485451.7	3754034	25.79101	152.20983
484551.7	3754134	112.68053	484551.7	3754134	17.85413	130.53466
484651.7	3754134	114.54241	484651.7	3754134	18.14962	132.69203
484751.7	3754134	115.47968	484751.7	3754134	19.01319	134.49287
484851.7	3754134	115.78831	484851.7	3754134	19.69388	135.48219
484951.7	3754134	116.27832	484951.7	3754134	20.36857	136.64689
485051.7	3754134	117.31024	485051.7	3754134	21.21833	138.52857
485151.7	3754134	121.49314	485151.7	3754134	22.53317	144.02631
485251.7	3754134	121.69344	485251.7	3754134	24.21124	145.90468
485351.7	3754134	123.50235	485351.7	3754134	25.16374	148.66609
485451.7	3754134	123.47022	485451.7	3754134	27.40068	150.87090
484551.7	3754234	112.61665	484551.7	3754234	17.82859	130.44524
484651.7	3754234	112.76179	484651.7	3754234	18.7229	131.48469
484751.7	3754234	112.62865	484751.7	3754234	19.53266	132.16131
484851.7	3754234	112.69784	484851.7	3754234	20.452	133.14984
484951.7	3754234	114.27199	484951.7	3754234	21.47254	135.74453
485051.7	3754234	116.54045	485051.7	3754234	22.81584	139.35629
485151.7	3754234	120.19942	485151.7	3754234	23.30939	143.50881
485251.7	3754234	120.70477	485251.7	3754234	24.96258	145.66735
485351.7	3754234	120.92068	485351.7	3754234	26.84596	147.76664
485451.7	3754234	122.63674	485451.7	3754234	29.42195	152.05869
484551.7	3754334	110.32211	484551.7	3754334	18.40763	128.72974
484651.7	3754334	109.815	484651.7	3754334	19.19472	129.00972
484751.7	3754334	110.44283	484751.7	3754334	20.25614	130.69897
484851.7	3754334	111.91064	484851.7	3754334	21.42749	133.33813
484951.7	3754334	113.37293	484951.7	3754334	22.0837	135.45663
485051.7	3754334	116.36532	485051.7	3754334	23.11462	139.47994
485151.7	3754334	118.50689	485151.7	3754334	24.02582	142.53271
485251.7	3754334	118.10048	485251.7	3754334	26.56652	144.66700
485351.7	3754334	119.91432	485351.7	3754334	28.47929	148.39361
485451.7	3754334	122.25733	485451.7	3754334	31.68108	153.93841
484551.7	3754434	107.3058	484551.7	3754434	19.01516	126.32096
484651.7	3754434	108.86043	484651.7	3754434	19.55582	128.41625
484751.7	3754434	110.59419	484751.7	3754434	20.06822	130.66241
484851.7	3754434	111.68173	484851.7	3754434	20.69486	132.37659
484951.7	3754434	111.2492	484951.7	3754434	23.3784	134.62760
485051.7	3754434	113.90932	485051.7	3754434	23.87134	137.78066
485151.7	3754434	115.8641	485151.7	3754434	25.50464	141.36874
485251.7	3754434	117.39403	485251.7	3754434	26.85328	144.24731
485351.7	3754434	119.96489	485351.7	3754434	28.5396	148.50449
485451.7	3754434	120.78863	485451.7	3754434	31.56856	152.35719
484551.7	3754534	107.18225	484551.7	3754534	19.28193	126.46418
484651.7	3754534	108.34333	484651.7	3754534	20.37753	128.72086
484751.7	3754534	110.02398	484751.7	3754534	20.71091	130.73489
484851.7	3754534	110.13948	484851.7	3754534	21.98963	132.12911
484951.7	3754534	109.82195	484951.7	3754534	23.69382	133.51577
485051.7	3754534	110.10388	485051.7	3754534	25.66291	135.76679
485151.7	3754534	114.74561	485151.7	3754534	27.02506	141.77067

485251.7	3754534	117.39481	485251.7	3754534	29.2554	146.65021
485351.7	3754534	118.68939	485351.7	3754534	30.58894	149.27833
485451.7	3754534	118.40337	485451.7	3754534	31.20174	149.60511
484551.7	3754634	107.24884	484551.7	3754634	20.39834	127.64718
484651.7	3754634	107.84383	484651.7	3754634	21.41388	129.25771
484751.7	3754634	108.43277	484751.7	3754634	22.16795	130.60072
484851.7	3754634	107.69433	484851.7	3754634	23.70528	131.39961
484951.7	3754634	107.19024	484951.7	3754634	25.09007	132.28031
485051.7	3754634	110.42794	485051.7	3754634	26.32549	136.75343
485151.7	3754634	114.50735	485151.7	3754634	27.51989	142.02724
485251.7	3754634	117.10886	485251.7	3754634	28.18642	145.29528
485351.7	3754634	116.43909	485351.7	3754634	30.50492	146.94401
485451.7	3754634	114.42125	485451.7	3754634	33.14131	147.56256
485549.5	3750935	124.54016	485549.5	3750935	5.68118	130.22134
485649.5	3750935	123.7354	485649.5	3750935	5.63212	129.36752
485749.5	3750935	122.88376	485749.5	3750935	5.7855	128.66926
485849.5	3750935	111.30781	485849.5	3750935	5.76242	117.07023
485549.5	3751035	125.60766	485549.5	3751035	5.94163	131.54929
485649.5	3751035	125.31504	485649.5	3751035	5.79693	131.11197
485749.5	3751035	124.8762	485749.5	3751035	5.9996	130.87580
485849.5	3751035	118.90087	485849.5	3751035	6.0299	124.93077
485549.5	3751135	126.58113	485549.5	3751135	6.29206	132.87319
485649.5	3751135	127.20205	485649.5	3751135	6.03694	133.23899
485749.5	3751135	126.77725	485749.5	3751135	6.20379	132.98104
485849.5	3751135	124.68084	485849.5	3751135	6.27498	130.95582
485549.5	3751235	127.17382	485549.5	3751235	6.61835	133.79217
485649.5	3751235	128.83145	485649.5	3751235	6.25887	135.09032
485749.5	3751235	128.49569	485749.5	3751235	6.41893	134.91462
485849.5	3751235	127.33965	485849.5	3751235	6.75008	134.08973
485549.5	3751335	129.05038	485549.5	3751335	6.87925	135.92963
485649.5	3751335	130.34516	485649.5	3751335	6.77231	137.11747
485749.5	3751335	130.49914	485749.5	3751335	6.77896	137.27810
485849.5	3751335	130.08178	485849.5	3751335	7.43496	137.51674
485549.5	3751435	130.68749	485549.5	3751435	8.06767	138.75516
485649.5	3751435	131.24088	485649.5	3751435	7.76547	139.00635
485749.5	3751435	132.96172	485749.5	3751435	7.43385	140.39557
485849.5	3751435	132.78421	485849.5	3751435	8.10487	140.88908
485549.5	3751535	131.0341	485549.5	3751535	10.75971	141.79381
485649.5	3751535	134.53132	485649.5	3751535	9.91669	144.44801
485749.5	3751535	135.3748	485749.5	3751535	9.04463	144.41943
485849.5	3751535	135.35254	485849.5	3751535	8.77824	144.13078
485549.5	3751635	126.83019	485549.5	3751635	12.82726	139.65745
485649.5	3751635	137.0399	485649.5	3751635	12.12965	149.16955
485749.5	3751635	138.20243	485749.5	3751635	11.04877	149.25120
485849.5	3751635	138.13723	485849.5	3751635	9.20907	147.34630
485549.5	3751735	144.28552	485549.5	3751735	12.5189	156.80442
485649.5	3751735	146.91506	485649.5	3751735	12.89575	159.81081
485749.5	3751735	142.98071	485749.5	3751735	12.79736	155.77807
485849.5	3751735	141.69699	485849.5	3751735	10.30659	152.00358
485549.5	3751835	165.43188	485549.5	3751835	12.01203	177.44391
485649.5	3751835	152.87051	485649.5	3751835	13.22377	166.09428
485749.5	3751835	149.90478	485749.5	3751835	13.55569	163.46047
485849.5	3751835	148.89083	485849.5	3751835	12.94207	161.83290

485549.5	3751935	172.03128	485549.5	3751935	12.13612	184.16740
485649.5	3751935	181.05079	485649.5	3751935	12.78817	193.83896
485749.5	3751935	171.22011	485749.5	3751935	13.6047	184.82481
485849.5	3751935	161.5991	485849.5	3751935	14.37548	175.97458
485549.5	3752035	180.59035	485549.5	3752035	12.2677	192.85805
485649.5	3752035	188.84462	485649.5	3752035	13.13733	201.98195
485749.5	3752035	196.73024	485749.5	3752035	14.00129	210.73153
485849.5	3752035	175.52314	485849.5	3752035	15.50705	191.03019
485549.5	3752135	190.15444	485549.5	3752135	12.20699	202.36143
485649.5	3752135	198.3843	485649.5	3752135	13.3403	211.72460
485749.5	3752135	210.33866	485749.5	3752135	14.42169	224.76035
485849.5	3752135	223.34912	485849.5	3752135	16.25537	239.60449
485549.5	3752235	191.86252	485549.5	3752235	12.33129	204.19381
485649.5	3752235	205.05292	485649.5	3752235	13.14309	218.19601
485749.5	3752235	218.22923	485749.5	3752235	14.38677	232.61600
485849.5	3752235	226.28312	485849.5	3752235	17.14739	243.43051
485549.5	3752335	191.7441	485549.5	3752335	12.59701	204.34111
485649.5	3752335	205.83632	485649.5	3752335	13.03397	218.87029
485749.5	3752335	223.38742	485749.5	3752335	14.22529	237.61271
485849.5	3752335	240.47412	485849.5	3752335	17.48488	257.95900
485549.5	3752435	187.68782	485549.5	3752435	12.92983	200.61765
485649.5	3752435	200.84785	485649.5	3752435	13.21921	214.06706
485749.5	3752435	222.21751	485749.5	3752435	14.14183	236.35934
485849.5	3752435	251.57456	485849.5	3752435	16.48409	268.05865
485549.5	3752535	183.3635	485549.5	3752535	13.51322	196.87672
485649.5	3752535	195.99341	485649.5	3752535	13.68017	209.67358
485749.5	3752535	214.18055	485749.5	3752535	14.23391	228.41446
485849.5	3752535	244.06843	485849.5	3752535	16.13289	260.20132
485549.5	3752635	186.52269	485549.5	3752635	14.1816	200.70429
485649.5	3752635	198.1203	485649.5	3752635	14.4304	212.55070
485749.5	3752635	214.60941	485749.5	3752635	14.94035	229.54976
485849.5	3752635	238.84042	485849.5	3752635	16.69816	255.53858
485549.5	3752735	191.92116	485549.5	3752735	15.08063	207.00179
485649.5	3752735	203.80757	485649.5	3752735	15.23747	219.04504
485749.5	3752735	219.80278	485749.5	3752735	15.68831	235.49109
485849.5	3752735	242.34086	485849.5	3752735	17.04183	259.38269
485549.5	3752835	185.53187	485549.5	3752835	15.97529	201.50716
485649.5	3752835	199.18033	485649.5	3752835	16.12642	215.30675
485749.5	3752835	218.076	485749.5	3752835	16.63811	234.71411
485849.5	3752835	243.50132	485849.5	3752835	17.72428	261.22560
485549.5	3752935	173.72802	485549.5	3752935	16.6987	190.42672
485649.5	3752935	185.3299	485649.5	3752935	17.27349	202.60339
485749.5	3752935	201.08912	485749.5	3752935	17.58376	218.67288
485849.5	3752935	226.39788	485849.5	3752935	18.76623	245.16411
485549.5	3753035	165.11417	485549.5	3753035	17.32594	182.44011
485649.5	3753035	175.72878	485649.5	3753035	18.43367	194.16245
485749.5	3753035	187.56829	485749.5	3753035	19.18245	206.75074
485849.5	3753035	204.10902	485849.5	3753035	20.31316	224.42218
485549.5	3753135	159.91442	485549.5	3753135	18.07652	177.99094
485649.5	3753135	166.21693	485649.5	3753135	18.94981	185.16674
485749.5	3753135	174.17942	485749.5	3753135	20.51595	194.69537
485849.5	3753135	185.74194	485849.5	3753135	22.17629	207.91823
485549.5	3753235	152.8955	485549.5	3753235	19.30337	172.19887

485649.5	3753235	156.7667	485649.5	3753235	19.96031	176.72701
485749.5	3753235	165.358	485749.5	3753235	20.90699	186.26499
485849.5	3753235	170.22776	485849.5	3753235	23.87588	194.10364
485549.5	3753335	146.56632	485549.5	3753335	21.35236	167.91868
485649.5	3753335	152.7482	485649.5	3753335	21.53125	174.27945
485749.5	3753335	155.84719	485749.5	3753335	22.16153	178.00872
485849.5	3753335	157.99685	485849.5	3753335	24.26323	182.26008
485549.5	3753435	144.29144	485549.5	3753435	26.85862	171.15006
485649.5	3753435	146.82132	485649.5	3753435	26.8879	173.70922
485749.5	3753435	150.14161	485749.5	3753435	26.9523	177.09391
485849.5	3753435	155.55009	485849.5	3753435	27.13572	182.68581
485619.4	3753970	129.35942	485619.4	3753970	30.08494	159.44436
485713	3753962	132.69104	485713	3753962	30.06288	162.75392
487190.9	3754410	145.9012	487190.9	3754410	57.55983	203.46103
487194.8	3754289	154.99317	487194.8	3754289	45.38442	200.37759
487268.8	3754091	192.18118	487268.8	3754091	34.16828	226.34946
487483.3	3754102	201.73263	487483.3	3754102	29.92533	231.65796
						315.02

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 8.0.7
** Lakes Environmental Software Inc.
** Date: 12/6/2012
** File: C:\MBA\Highland Fairview REV3 - All Sources\AERMOD-Construction_15hr\LST_Const_NOX_2017_15hr\LST_Const_NOX_2017_15hr.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE WLC Construction Area - LST Assessment (1-HR Average)
   TITLETWO NOx Emissions - 15 hour day
   MODELOPT CONC  FASTALL OLM
   AVERTIME 1
   URBANOPT 2000000
   POLLUTID NO2
   RUNORNOT RUN
** NO2 Conversion Options
   NO2STACK 0.1
   NO2EQUIL 0.9
   OZONEFIL C:\MBA\MorenoHighland\O3RIVR0507.dat PPB
   ERRORFIL LST_Const_NOX_2017_15hr.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION PAREA1       AREAPOLY   485979.210  3752970.142      490.000
** DESCRSRC Daily Construction Area
   LOCATION PAREA2       AREAPOLY   486716.916  3753229.650      489.380
** DESCRSRC Non-Mass GRading Area Emissions
** Source Parameters **
   SRCPARAM PAREA1       0.0000458     5.000         8
   AREAVERT PAREA1       485979.210 3752970.142 485961.460 3752229.868
   AREAVERT PAREA1       486129.532 3752229.868 486353.813 3752383.694
   AREAVERT PAREA1       486713.641 3752688.516 486714.512 3753236.380
   AREAVERT PAREA1       486330.075 3753239.381 486331.393 3752970.142
   SRCPARAM PAREA2       0.0000395     5.000         5
   AREAVERT PAREA2       486716.916 3753229.650 487123.218 3753222.377
   AREAVERT PAREA2       487114.933 3752770.359 487101.581 3752543.610
   AREAVERT PAREA2       486714.512 3752698.757
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
** Saturday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
** Sunday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT PAREA2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA2       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA2       HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA2       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
** Saturday:
   EMISFACT PAREA2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA2       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA2       HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA2       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
** Sunday:
   EMISFACT PAREA2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** OLM Source Groups for Combined Plumes
   OLMGROUP ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED LST_Const_NOX_2017_15hr.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
```

```
**
**
ME STARTING
   SURFFILE RIVR2.SFC
   PROFFILE RIVR2.PFL
   SURFDATA 00002 2005
   UAIRDATA 3190 2005
   PROFBASE 250.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST 8TH
   RECTABLE 1 1ST 8TH
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST LST_CONST_NOX_2017_15HR.AD\01H1GALL.PLT 31
   PLOTFILE 1 ALL 8TH LST_CONST_NOX_2017_15HR.AD\01H8GALL.PLT 32
   MXDYBYYR ALL LST_CONST_NOX_2017_15HR.AD\MXDYBYYR_ALL_NO2.DAT 33
   SUMMFILE LST_Const_NOX_2017_15hr.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W530     114 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

 ************************************
 *** SETUP Finishes Successfully ***
 ************************************

♀ *** AERMOD - VERSION  12060 ***   *** WLC Construction Area - LST Assessment (1-HR Average)                ***        12/06/12
                                   *** NOx Emissions - 15 hour day                                          ***        13:11:50
                                                                                                                       PAGE   1
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
                         FASTALL                                                OLM

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for     2 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2000000.0 ;  Urban Roughness Length =  1.000 m

 **Model Allows User-Specified Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Ozone Limiting Method (OLM) Used for NO2 Conversion
            with an Equilibrium NO2/NOx Ratio of  0.900
         7. Urban Roughness Length of 1.0 Meter Used.

 **Other Options Specified:
         FASTALL  - Use effective sigma-y to optimize meander for
                    POINT and VOLUME sources, and hybrid approach
                    to optimize AREA sources (formerly TOXICS option)

 **Model Assumes No FLAGPOLE Receptor Heights.

 **Model Calculates  1 Short Term Average(s) of:   1-HR

 **This Run Includes:      2 Source(s);       1 Source Group(s); and    1705 Receptor(s)

 **The Model Assumes A Pollutant Type of:  NO2

 **Note that special processing requirements apply for the 1-hour NO2 NAAQS - check available guidance.
   Model will process user-specified ranks of daily maximum 1-hour values averaged across the number of years modeled.
   For annual NO2 NAAQS modeling, the multi-year maximum of PERIOD values can be simulated using the MULTYEAR keyword.
   Multi-year PERIOD and 1-hour values should only be done in a single model run using the MULTYEAR option with a
   single multi-year meteorological data file using STARTEND keyword.

 **Model Set To Continue RUNning After the Setup Testing.

 **Output Options Selected:
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
          Model Outputs External File(s) of Maximum Daily 1-hr Values by Year (MXDYBYYR Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                   Page 2
```

```
                                                    LST_Const_NOX_2017_15hr.ADO
                                                            b for Both Calm and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   250.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.9 MB of RAM.

 **Detailed Error/Message File:   LST_Const_NOX_2017_15hr.err
 **File for Summary of Results:   LST_Const_NOX_2017_15hr.sum
♀ *** AERMOD - VERSION  12060 ***   *** WLC Construction Area - LST Assessment (1-HR Average)                ***        12/06/12
                                   *** NOx Emissions - 15 hour day                                          ***        13:11:50
                                                                                                                       PAGE   2
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                         FASTALL                                              OLM


                                                  *** AREAPOLY SOURCE DATA ***

                 NUMBER EMISSION RATE   LOCATION OF AREA  BASE     RELEASE  NUMBER      INIT.   URBAN  EMISSION RATE
   SOURCE         PART.  (GRAMS/SEC       X        Y      ELEV.    HEIGHT  OF VERTS.     SZ     SOURCE  SCALAR VARY
     ID           CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS)            (METERS)              BY
 - - -
```

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.1000E+01	21	.1000E+01	22	.1000E+01	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
PAGE 8

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

461553.0, 462553.0, 463553.0, 464553.0, 465553.0, 466553.0, 467553.0, 468553.0, 469553.0, 470553.0,
471553.0, 472553.0, 473553.0, 474553.0, 475553.0, 476553.0, 477553.0, 478553.0, 479553.0, 480553.0,
481553.0, 482553.0, 483553.0, 484553.0, 485553.0, 486553.0, 487553.0, 488553.0, 489553.0, 490553.0,
491553.0, 492553.0, 493553.0, 494553.0, 495553.0, 496553.0, 497553.0, 498553.0, 499553.0, 500553.0,
501553.0, 502553.0, 503553.0, 504553.0, 505553.0,

*** Y-COORDINATES OF GRID ***
(METERS)

3741938.3, 3742938.3, 3743938.3, 3744938.3, 3745938.3, 3746938.3, 3747938.3, 3748938.3, 3749938.3, 3750938.3,
3751938.3, 3752938.3, 3753938.3, 3754938.3, 3755938.3, 3756938.3, 3757938.3, 3758938.3, 3759938.3, 3760938.3,
3761938.3, 3762938.3, 3763938.3, 3764938.3, 3765938.3, 3766938.3, 3767938.3,

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
PAGE 9

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	317.90	315.50	311.70	305.80	301.50	279.60	278.50	272.60	279.20
3766938.31	336.30	305.50	294.90	294.00	283.00	268.30	267.10	395.80	277.90
3765938.31	325.60	405.70	301.30	289.30	287.10	261.20	293.50	397.30	291.80
3764938.31	311.30	365.90	350.10	293.30	273.50	258.00	261.00	288.90	288.10
3763938.31	295.70	394.50	275.10	267.50	248.90	253.00	257.10	276.60	299.60
3762938.31	266.30	266.90	261.00	243.60	247.90	254.20	263.80	281.00	306.80
3761938.31	242.70	240.00	239.10	241.70	250.50	255.90	268.10	287.50	312.50
3760938.31	227.40	232.20	233.60	267.10	260.30	266.80	279.00	295.10	323.80
3759938.31	231.00	227.90	306.60	254.10	267.80	278.00	287.90	303.00	326.30
3758938.31	225.00	236.10	253.00	263.10	271.10	278.30	294.20	306.30	325.20
3757938.31	242.90	247.20	257.60	287.20	273.70	269.10	286.50	309.40	333.40
3756938.31	240.20	249.30	257.40	270.00	287.90	314.60	321.20	305.30	333.60
3755938.31	246.00	257.10	266.10	276.80	293.20	340.60	359.10	392.00	355.20
3754938.31	248.50	260.00	276.80	296.00	315.10	378.50	397.50	424.40	446.50
3753938.31	260.60	269.80	285.70	300.20	343.20	384.50	408.70	459.30	492.70
3752938.31	270.20	283.70	306.80	324.20	359.90	410.50	453.20	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	370.10	406.50	435.60	459.70	473.80
3750938.31	302.60	319.90	344.80	357.00	359.90	410.40	467.40	475.40	487.80
3749938.31	329.00	337.50	391.80	442.20	444.30	439.90	466.10	486.40	501.00
3748938.31	396.00	335.40	377.80	424.70	452.80	466.30	492.50	530.60	513.50
3747938.31	427.10	444.20	382.70	398.40	434.20	525.50	527.90	535.40	508.80
3746938.31	441.20	476.80	468.20	415.80	447.50	476.50	480.20	486.90	492.60
3745938.31	443.70	473.10	464.50	438.00	420.80	444.80	467.60	496.10	513.30
3744938.31	430.60	450.90	441.80	434.80	446.20	468.50	540.20	507.00	518.10
3743938.31	417.00	420.10	430.30	443.00	447.20	451.30	469.00	476.40	478.80
3742938.31	435.90	446.30	466.50	498.00	501.00	511.50	481.80	517.80	556.40
3741938.31	474.60	533.00	551.60	552.10	619.20	572.30	597.50	653.00	564.20

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
PAGE 10

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	283.60	289.00	304.20	312.00	323.50	341.00	348.00	353.60	357.50
3766938.31	301.20	333.70	340.60	336.20	384.40	409.90	380.20	386.80	384.50
3765938.31	313.20	342.50	448.10	359.20	407.10	458.80	482.50	461.70	459.60
3764938.31	311.10	346.40	657.00	455.30	395.40	467.20	504.80	545.20	510.30
3763938.31	325.70	353.10	435.90	504.40	420.40	430.90	500.60	554.40	626.90
3762938.31	318.70	356.60	382.20	408.20	498.60	534.40	470.90	509.90	539.10
3761938.31	411.70	551.30	580.90	449.90	615.40	776.00	690.30	617.60	548.30
3760938.31	399.70	469.40	625.60	642.80	582.20	632.10	814.90	830.10	632.90
3759938.31	352.70	380.50	666.10	820.90	599.20	547.70	579.10	784.30	625.60
3758938.31	356.30	404.00	732.30	830.30	615.10	544.90	541.10	565.00	602.60
3757938.31	390.90	429.40	509.10	790.60	782.00	562.30	524.60	545.10	576.90
3756938.31	396.60	462.40	469.80	513.40	695.40	563.20	521.90	516.20	540.60
3755938.31	451.40	484.60	457.40	488.80	514.90	515.10	503.90	508.20	511.80
3754938.31	462.00	468.90	467.80	474.40	483.10	495.10	497.10	497.00	496.10
3753938.31	485.80	444.20	462.50	468.20	470.10	483.70	489.90	488.60	488.00
3752938.31	496.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	499.70	534.90	498.40	478.90	472.10	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	472.60	465.30	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	467.20	456.80	460.00	459.90

3748938.31	525.20	526.30	518.20	497.20	476.10	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	454.60	452.80	451.90
3746938.31	525.30	513.50	511.80	533.20	519.10	469.50	454.30	454.50	447.50
3745938.31	546.30	513.20	510.80	517.60	521.80	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	533.40	477.40	461.80	449.40	445.80
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	522.10	528.30	527.90	518.60	512.50	490.80	475.50	452.00	447.80
3741938.31	593.90	581.10	555.50	534.60	537.70	549.40	498.00	460.30	442.90

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
PAGE 11

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	373.90	406.60	408.60	429.30	457.00	476.70	495.00	534.80	562.90
3765938.31	441.20	390.60	450.20	458.00	486.40	516.70	539.40	562.30	602.20
3764938.31	472.90	447.20	408.10	450.00	508.00	549.40	579.80	596.40	630.70
3763938.31	573.90	480.90	465.10	443.30	451.50	526.90	616.60	643.00	665.40
3762938.31	633.40	621.10	497.10	513.60	500.30	473.20	549.60	558.50	597.70
3761938.31	633.80	696.10	578.40	595.10	536.00	493.00	521.50	573.40	589.70
3760938.31	612.70	771.50	774.50	667.50	632.60	595.90	532.50	510.00	543.10
3759938.31	750.20	721.00	823.40	796.40	718.30	624.10	577.90	559.90	566.90
3758938.31	769.50	817.80	682.00	715.80	715.30	649.00	632.00	705.60	627.80
3757938.31	654.20	735.40	726.40	625.20	646.60	603.80	643.90	673.20	703.70
3756938.31	578.40	596.10	632.00	636.80	574.80	581.40	584.90	593.20	633.90
3755938.31	534.90	550.50	557.10	551.80	558.10	556.20	551.80	549.40	578.00
3754938.31	501.90	518.80	513.20	530.30	535.20	537.10	527.60	525.60	526.30
3753938.31	484.50	494.20	500.90	507.30	527.20	515.60	503.90	503.00	496.40
3752938.31	472.20	481.00	482.10	483.90	484.30	487.50	488.10	487.40	479.60
3751938.31	472.00	468.70	466.60	469.20	467.20	475.60	513.80	650.90	533.40
3750938.31	462.20	464.30	454.80	461.90	476.80	531.30	771.00	658.60	548.10
3749938.31	461.90	456.70	491.00	524.00	524.30	563.50	580.90	550.10	513.70
3748938.31	453.60	458.80	528.40	666.50	545.30	516.50	507.70	500.10	534.60
3747938.31	448.80	453.60	630.60	614.60	504.60	497.40	478.00	495.60	566.60
3746938.31	443.40	457.10	486.30	478.00	478.00	478.00	478.00	535.10	465.60
3745938.31	444.60	444.00	451.50	478.00	478.00	478.00	544.70	620.50	435.80
3744938.31	442.20	442.80	446.20	452.70	478.00	491.40	688.80	460.70	434.70
3743938.31	442.20	443.90	443.80	449.80	518.60	704.30	461.70	433.40	439.40
3742938.31	443.00	436.50	441.80	460.50	485.80	462.50	436.60	434.40	437.20
3741938.31	440.00	440.00	443.20	464.70	494.00	451.40	435.10	436.80	444.80

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	585.60	659.90	750.50	849.50	964.60	887.60	799.80	842.60
3766938.31	620.90	644.20	726.40	740.70	749.70	765.90	746.90	783.40	825.20
3765938.31	647.50	671.10	648.30	644.30	667.00	700.80	752.10	785.40	821.00
3764938.31	645.70	628.90	634.80	634.90	658.40	717.30	744.10	769.90	803.90
3763938.31	641.80	636.10	611.10	647.70	662.20	696.20	735.10	762.10	788.90
3762938.31	567.80	579.90	612.80	639.70	683.70	703.20	737.10	760.10	788.60
3761938.31	645.00	662.30	670.20	680.00	684.30	717.00	734.10	758.40	782.00
3760938.31	605.10	665.70	651.20	671.30	699.20	686.90	709.50	748.60	777.00
3759938.31	554.60	565.70	601.70	627.90	662.80	672.60	705.00	707.60	735.00
3758938.31	691.80	646.90	606.20	641.40	617.10	646.90	656.00	701.50	705.00
3757938.31	708.00	700.40	691.40	714.50	700.80	636.00	691.20	708.50	717.50
3756938.31	671.60	698.80	672.20	693.20	762.30	676.60	660.50	722.70	744.70
3755938.31	584.70	625.90	643.00	724.20	685.50	740.50	714.80	678.00	696.50
3754938.31	538.80	559.60	583.70	611.70	661.10	631.20	658.60	711.00	714.10
3753938.31	497.80	504.20	536.20	577.90	576.60	604.60	594.70	629.30	712.60
3752938.31	476.00	484.00	483.20	521.60	511.20	551.60	565.60	597.80	713.90
3751938.31	461.80	464.20	456.50	460.80	483.90	546.20	559.10	588.10	668.30
3750938.31	452.20	443.30	437.30	433.00	456.70	508.60	521.70	564.30	641.50
3749938.31	440.90	437.90	432.30	428.00	441.00	462.30	480.10	618.00	616.20
3748938.31	447.80	435.20	433.30	430.10	431.40	434.70	436.80	562.80	649.90
3747938.31	441.10	433.70	435.40	437.00	430.60	428.00	432.60	441.60	530.80
3746938.31	435.20	470.70	436.80	436.10	434.50	439.70	433.90	437.50	452.70
3745938.31	432.10	434.70	437.10	439.10	440.90	438.60	438.10	435.60	446.20
3744938.31	435.10	440.90	436.10	438.20	441.30	441.00	441.10	438.90	439.20
3743938.31	445.10	447.60	443.00	442.10	473.20	470.40	440.10	441.00	440.30
3742938.31	453.00	463.60	463.40	470.40	558.30	719.10	644.10	446.20	448.60
3741938.31	459.30	477.60	489.00	576.80	623.40	693.40	713.10	512.00	449.70

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	884.20	929.90	993.80	1066.90	1171.60	1243.50	1319.20	1434.80	1630.30
3766938.31	883.00	946.60	1050.80	1085.60	1198.10	1517.00	1503.00	1502.80	1502.40

3765938.31	883.90	1004.20	1177.00	1131.40	1192.90	1410.70	1471.10	1478.60	1400.30
3764938.31	850.10	947.40	1013.60	1008.70	1179.60	1281.10	1301.70	1306.10	1382.20
3763938.31	829.40	857.30	905.40	964.90	1044.10	1180.20	1202.20	1179.70	1257.70
3762938.31	822.50	865.90	944.60	1007.70	1037.60	1078.00	1127.90	1158.40	1182.30
3761938.31	809.00	878.30	953.60	1169.40	1036.50	1099.60	1048.30	1047.60	1121.70
3760938.31	787.90	883.00	940.40	982.90	1006.80	962.30	991.10	1006.40	1068.70
3759938.31	799.00	833.90	872.10	865.40	882.00	901.80	917.10	980.90	1014.00
3758938.31	739.80	775.50	823.60	827.30	844.80	866.20	876.00	896.40	973.80
3757938.31	745.50	766.60	789.80	806.10	812.70	836.20	847.10	869.00	891.20
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	796.10	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	733.70	739.00	748.20	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	698.30	742.60	758.40	806.00	784.40	793.40	782.90	776.00	774.50
3751938.31	688.50	698.30	788.50	827.60	779.20	816.00	826.50	776.50	765.50
3750938.31	637.60	658.70	761.70	746.60	753.10	763.30	778.20	767.10	824.50
3749938.31	565.10	605.60	688.00	741.70	730.60	768.40	748.50	743.00	742.90
3748938.31	600.40	581.60	634.10	689.10	721.10	712.00	735.90	695.10	721.80
3747938.31	612.80	550.40	629.60	635.50	674.00	749.80	680.90	680.10	661.60
3746938.31	475.00	519.90	658.40	668.60	636.20	659.50	635.50	626.90	644.80
3745938.31	457.70	478.30	548.30	576.50	593.60	572.70	612.10	688.50	733.30
3744938.31	445.20	446.70	455.30	487.90	797.60	730.60	713.70	991.50	924.10
3743938.31	441.00	442.60	443.20	451.00	524.60	831.50	1033.10	970.20	1073.70
3742938.31	441.80	443.80	445.20	450.00	460.10	583.10	792.30	1036.30	1119.40
3741938.31	445.60	445.70	445.30	450.20	453.60	459.80	469.30	669.80	974.60

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	677.00	570.00	311.70	305.80	301.50	279.60	328.00	406.00	735.00
3766938.31	677.00	677.00	478.00	303.00	283.00	289.00	434.00	406.00	735.00
3765938.31	677.00	478.00	518.00	478.00	287.10	429.00	434.00	434.00	735.00
3764938.31	677.00	518.00	518.00	518.00	273.50	258.00	434.00	735.00	735.00
3763938.31	677.00	518.00	518.00	518.00	248.90	253.00	257.10	735.00	758.00
3762938.31	677.00	518.00	518.00	518.00	247.90	259.00	580.00	735.00	905.00
3761938.31	518.00	518.00	518.00	373.00	250.50	255.90	580.00	905.00	932.00
3760938.31	227.40	392.00	392.00	392.00	260.30	266.80	580.00	932.00	932.00
3759938.31	231.00	392.00	392.00	392.00	267.80	278.00	905.00	932.00	932.00
3758938.31	225.00	251.00	253.00	263.10	271.10	278.30	905.00	932.00	932.00
3757938.31	242.90	247.20	257.60	343.00	319.00	294.00	905.00	932.00	932.00
3756938.31	240.20	249.30	257.40	318.00	287.90	314.60	330.00	932.00	932.00
3755938.31	246.00	257.10	266.10	276.80	432.00	432.00	359.10	404.00	932.00
3754938.31	248.50	260.00	276.80	296.00	432.00	432.00	397.50	427.00	459.00
3753938.31	260.60	269.80	337.00	300.20	372.00	401.00	408.70	459.30	492.70
3752938.31	270.20	288.00	306.80	324.20	359.90	439.00	470.00	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	374.00	498.00	498.00	466.00	473.80
3750938.31	302.60	319.90	344.80	384.00	359.90	472.00	467.40	475.40	487.80
3749938.31	411.00	337.50	458.00	458.00	446.00	448.00	466.10	486.40	501.00
3748938.31	405.00	480.00	395.00	424.70	455.00	466.30	492.50	543.00	513.50
3747938.31	428.00	456.00	498.00	398.40	559.00	559.00	537.00	535.40	508.80
3746938.31	441.20	476.80	488.00	445.00	447.50	476.50	480.20	486.90	492.60
3745938.31	445.00	478.00	468.00	438.00	420.80	450.00	467.60	496.10	513.30
3744938.31	464.00	450.90	441.80	434.80	451.00	501.00	540.20	507.00	518.10
3743938.31	417.00	422.00	430.30	632.00	633.00	633.00	661.00	685.00	478.80
3742938.31	597.00	710.00	710.00	632.00	633.00	633.00	687.00	687.00	687.00
3741938.31	710.00	710.00	710.00	736.00	633.00	602.00	661.00	680.00	734.00

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	735.00	735.00	735.00	735.00	735.00	341.00	348.00	353.60	357.50
3766938.31	735.00	735.00	735.00	735.00	735.00	481.00	563.00	634.00	642.00
3765938.31	735.00	735.00	735.00	841.00	735.00	461.00	563.00	635.00	644.00
3764938.31	735.00	758.00	735.00	735.00	941.00	941.00	941.00	941.00	941.00
3763938.31	867.00	867.00	856.00	856.00	941.00	941.00	941.00	941.00	634.00
3762938.31	932.00	932.00	941.00	941.00	941.00	941.00	941.00	941.00	941.00
3761938.31	905.00	850.00	867.00	941.00	941.00	874.00	941.00	941.00	941.00
3760938.31	932.00	932.00	905.00	905.00	941.00	941.00	941.00	941.00	941.00
3759938.31	932.00	932.00	932.00	867.00	941.00	941.00	941.00	941.00	941.00
3758938.31	932.00	932.00	932.00	905.00	932.00	941.00	941.00	941.00	941.00
3757938.31	932.00	932.00	932.00	932.00	932.00	941.00	941.00	941.00	941.00
3756938.31	932.00	932.00	932.00	932.00	932.00	932.00	941.00	941.00	890.00
3755938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	890.00
3754938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	497.00	496.10
3753938.31	485.80	932.00	932.00	932.00	932.00	932.00	489.90	488.60	488.00
3752938.31	509.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	509.00	541.00	503.00	478.90	479.00	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	479.00	490.00	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	468.00	490.00	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	478.00	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	462.00	452.80	451.90
3746938.31	566.00	513.50	511.80	536.00	519.10	469.50	454.30	454.50	457.00
3745938.31	559.00	513.20	510.80	517.60	540.00	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	548.00	477.40	461.80	449.40	447.00
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	734.00	528.30	527.90	518.60	515.00	490.80	475.50	455.00	452.00

3741938.31	734.00	734.00	555.50	534.60	537.70	549.40	597.00	460.30	442.90

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	537.00	406.60	408.60	429.30	457.00	516.00	508.00	534.80	565.00
3765938.31	644.00	537.00	495.00	525.00	493.00	516.70	539.40	588.00	645.00
3764938.31	941.00	687.00	858.00	525.00	523.00	575.00	579.80	596.40	666.00
3763938.31	687.00	941.00	858.00	858.00	858.00	623.00	625.00	643.00	677.00
3762938.31	941.00	782.00	858.00	858.00	858.00	641.00	581.00	693.00	693.00
3761938.31	941.00	858.00	858.00	858.00	858.00	858.00	555.00	616.00	654.00
3760938.31	941.00	824.00	858.00	858.00	858.00	802.00	771.00	751.00	654.00
3759938.31	887.00	890.00	833.00	829.00	802.00	771.00	771.00	774.00	774.00
3758938.31	890.00	890.00	890.00	829.00	741.00	731.00	751.00	751.00	774.00
3757938.31	890.00	890.00	890.00	890.00	684.00	603.80	738.00	774.00	774.00
3756938.31	890.00	890.00	890.00	682.00	574.80	581.40	584.90	774.00	774.00
3755938.31	890.00	890.00	890.00	721.00	558.10	556.20	551.80	549.40	607.00
3754938.31	890.00	890.00	518.00	530.30	617.00	537.10	527.60	525.60	528.00
3753938.31	484.50	494.20	500.90	617.00	617.00	615.00	811.00	811.00	777.00
3752938.31	472.20	481.00	482.10	483.90	811.00	811.00	811.00	811.00	811.00
3751938.31	472.00	468.70	466.60	798.00	811.00	811.00	811.00	811.00	811.00
3750938.31	462.20	741.00	777.00	798.00	811.00	811.00	798.00	811.00	811.00
3749938.31	766.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00	811.00
3748938.31	777.00	777.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00
3747938.31	777.00	777.00	777.00	777.00	777.00	810.00	811.00	810.00	804.00
3746938.31	777.00	777.00	777.00	777.00	810.00	810.00	810.00	810.00	810.00
3745938.31	444.60	777.00	777.00	810.00	810.00	810.00	810.00	810.00	810.00
3744938.31	442.20	442.80	757.00	810.00	810.00	810.00	810.00	810.00	810.00
3743938.31	442.20	443.90	757.00	810.00	810.00	757.00	810.00	810.00	810.00
3742938.31	443.00	436.50	757.00	757.00	810.00	810.00	810.00	810.00	810.00
3741938.31	440.00	443.00	757.00	757.00	757.00	810.00	810.00	810.00	444.80

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	985.00	1018.00	1018.00	1018.00	985.00	1018.00	1656.00	1771.00
3766938.31	626.00	757.00	757.00	985.00	1018.00	1018.00	1611.00	1677.00	1771.00
3765938.31	663.00	671.10	784.00	1018.00	1018.00	1018.00	1611.00	1677.00	1771.00
3764938.31	681.00	628.90	634.80	634.90	985.00	717.30	1611.00	1677.00	1740.00
3763938.31	668.00	687.00	638.00	664.00	690.00	721.00	735.10	1677.00	1677.00
3762938.31	686.00	682.00	684.00	690.00	689.00	720.00	737.10	1611.00	1677.00
3761938.31	686.00	678.00	682.00	691.00	705.00	717.00	734.10	758.40	1677.00
3760938.31	697.00	685.00	677.00	715.00	708.00	696.00	723.00	776.00	785.00
3759938.31	769.00	755.00	701.00	715.00	717.00	708.00	705.00	707.60	1200.00
3758938.31	755.00	762.00	764.00	648.00	712.00	677.00	736.00	710.00	705.00
3757938.31	769.00	764.00	764.00	748.00	730.00	794.00	736.00	712.00	730.00
3756938.31	760.00	761.00	764.00	763.00	794.00	794.00	735.00	728.00	744.70
3755938.31	760.00	760.00	683.00	727.00	794.00	768.00	742.00	678.00	717.00
3754938.31	546.00	639.00	627.00	727.00	711.00	768.00	747.00	739.00	757.00
3753938.31	777.00	569.00	596.00	581.00	692.00	653.00	745.00	771.00	771.00
3752938.31	811.00	777.00	575.00	529.00	628.00	615.00	625.00	771.00	746.00
3751938.31	811.00	777.00	461.00	460.80	578.00	546.20	592.00	746.00	709.00
3750938.31	811.00	811.00	437.30	433.00	456.70	518.00	713.00	713.00	680.00
3749938.31	811.00	811.00	432.30	428.00	441.00	713.00	713.00	713.00	713.00
3748938.31	811.00	729.00	729.00	432.00	439.00	713.00	713.00	713.00	663.00
3747938.31	804.00	804.00	729.00	437.00	430.60	428.00	713.00	713.00	663.00
3746938.31	810.00	804.00	599.00	436.10	434.50	439.70	433.90	653.00	663.00
3745938.31	810.00	804.00	437.10	439.10	796.00	796.00	438.10	435.60	446.20
3744938.31	810.00	804.00	436.10	796.00	796.00	796.00	796.00	796.00	439.20
3743938.31	810.00	447.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3742938.31	453.00	463.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3741938.31	459.30	477.60	796.00	796.00	796.00	796.00	781.00	796.00	796.00

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3766938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1641.00	1771.00	1771.00	1771.00
3765938.31	1771.00	1771.00	1677.00	1771.00	1771.00	1677.00	1677.00	1771.00	1771.00
3764938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3763938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3762938.31	1677.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3761938.31	1677.00	1677.00	1677.00	1183.00	1677.00	1677.00	1771.00	1771.00	1771.00
3760938.31	1677.00	1611.00	1677.00	1677.00	1677.00	1771.00	1771.00	1771.00	1677.00
3759938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1771.00	1771.00	1677.00	1333.00

3758938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1677.00	1677.00	1677.00	1058.00
3757938.31	748.00	766.60	1200.00	1200.00	1194.00	836.20	847.10	1058.00	1058.00
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	799.00	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	754.00	772.00	780.00	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	741.00	744.00	859.00	818.00	784.40	793.40	782.90	776.00	774.50
3751938.31	702.00	859.00	869.00	869.00	781.00	816.00	826.50	936.00	936.00
3750938.31	679.00	869.00	799.00	869.00	792.00	773.00	791.00	936.00	936.00
3749938.31	782.00	860.00	774.00	749.00	819.00	819.00	753.00	936.00	936.00
3748938.31	644.00	670.00	716.00	711.00	783.00	783.00	745.00	748.00	726.00
3747938.31	618.00	800.00	800.00	800.00	830.00	830.00	1129.00	1147.00	1147.00
3746938.31	800.00	800.00	800.00	800.00	1147.00	1147.00	1168.00	1168.00	1168.00
3745938.31	800.00	1133.00	1133.00	1147.00	1168.00	1168.00	1168.00	1168.00	1168.00
3744938.31	1129.00	1147.00	1168.00	1168.00	1133.00	1168.00	1168.00	1016.00	1168.00
3743938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1133.00	1168.00	1078.00
3742938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00
3741938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

484551.7, 484651.7, 484751.7, 484851.7, 484951.7, 485051.7, 485151.7, 485251.7, 485351.7, 485451.7,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.4, 3751034.4, 3751134.4, 3751234.4, 3751334.4, 3751434.4, 3751534.4, 3751634.4, 3751734.4, 3751834.4,
3751934.4, 3752034.4, 3752134.4, 3752234.4, 3752334.4, 3752434.4, 3752534.4, 3752634.4, 3752734.4, 3752834.4,
3752934.4, 3753034.4, 3753134.4, 3753234.4, 3753334.4, 3753434.4, 3753534.4, 3753634.4, 3753734.4, 3753834.4,
3753934.4, 3754034.4, 3754134.4, 3754234.4, 3754334.4, 3754434.4, 3754534.4, 3754634.4,

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	524.70	525.20	523.10	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	523.30	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	521.50	520.70	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	518.70	518.40	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	516.90	518.10	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	518.10	514.80	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	517.70	512.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	515.80	511.30	512.10	511.60	512.10	508.80	506.80	509.90	509.10
3753834.43	510.50	509.90	507.90	511.00	507.90	508.00	508.50	506.70	502.40
3753734.43	507.90	507.90	506.50	506.80	505.40	503.10	508.40	504.90	503.30
3753634.43	505.40	508.10	501.40	503.70	503.70	503.30	503.20	503.00	502.00
3753534.43	502.40	500.60	501.10	505.00	504.30	501.80	501.10	498.80	499.90
3753434.43	498.20	500.10	501.50	501.30	502.50	501.60	499.50	497.50	498.00
3753334.43	498.80	499.20	497.80	498.20	498.30	499.50	497.40	496.00	496.90
3753234.43	496.80	496.00	496.70	497.80	496.40	495.20	496.20	494.90	496.00
3753134.43	498.10	497.00	494.60	493.00	495.50	495.30	497.10	492.90	491.50
3753034.43	494.30	493.10	494.60	493.00	494.00	492.80	493.70	491.30	491.10
3752934.43	487.60	488.10	490.80	488.60	490.80	489.70	490.10	490.20	488.40
3752834.43	488.90	488.00	489.10	488.80	488.50	487.50	487.80	490.40	486.40
3752734.43	486.30	487.90	485.40	485.50	485.30	487.90	484.30	486.00	484.80
3752634.43	486.90	484.10	487.00	485.90	483.90	490.10	488.80	486.00	483.20
3752534.43	483.40	482.40	478.60	483.50	481.50	482.10	483.90	481.50	482.60
3752434.43	480.00	484.30	482.60	483.00	481.10	477.10	483.10	479.20	483.50
3752334.43	478.40	481.10	480.70	479.00	480.30	479.30	481.40	480.90	483.80
3752234.43	475.80	477.00	481.50	478.90	478.30	472.50	481.10	479.50	483.70
3752134.43	475.40	478.80	479.20	479.80	480.70	479.50	480.70	485.90	491.70
3752034.43	480.20	481.20	476.20	478.10	482.00	478.70	482.40	487.10	493.80
3751934.43	475.60	477.20	479.30	478.60	479.40	482.60	487.80	490.10	497.20
3751834.43	475.90	478.80	480.40	483.60	480.90	486.20	491.70	498.90	506.50
3751734.43	482.60	483.70	490.40	491.10	488.70	490.80	495.50	501.30	512.70
3751634.43	487.30	492.60	492.30	493.50	495.90	493.70	501.30	512.90	527.00
3751534.43	490.70	494.00	501.90	502.10	505.60	504.10	514.20	535.70	561.00
3751434.43	495.40	502.10	507.10	510.40	512.40	522.30	540.90	563.70	601.20
3751334.43	500.20	504.10	509.30	515.40	516.70	531.00	556.50	596.00	635.10
3751234.43	504.80	510.60	515.40	521.50	530.10	547.10	570.50	612.20	650.20
3751134.43	512.40	513.00	516.40	540.90	547.30	559.70	574.00	609.80	636.10
3751034.43	514.10	518.70	538.20	566.60	558.70	570.80	594.70	631.60	660.00
3750934.43	532.10	531.70	564.30	576.10	577.60	587.10	618.00	658.00	693.50

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71

3754634.43	521.00
3754534.43	516.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	507.50
3753934.43	507.60
3753834.43	504.10
3753734.43	502.70
3753634.43	500.40
3753534.43	500.80
3753434.43	497.40
3753334.43	496.10
3753234.43	494.70
3753134.43	492.30
3753034.43	491.70
3752934.43	485.90
3752834.43	487.20
3752734.43	485.10
3752634.43	485.10
3752534.43	484.10
3752434.43	485.40
3752334.43	484.70
3752234.43	491.00
3752134.43	493.80
3752034.43	502.20
3751934.43	504.90
3751834.43	515.40
3751734.43	523.90
3751634.43	548.80
3751534.43	594.90
3751434.43	642.40
3751334.43	689.90
3751234.43	687.90
3751134.43	679.30
3751034.43	697.10
3750934.43	732.40

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	615.00	527.00	526.00	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	615.00	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	616.00	615.00	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	616.00	615.00	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	616.00	615.00	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	616.00	615.00	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	615.00	615.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	615.00	559.00	512.10	511.60	512.10	508.80	811.00	811.00	811.00
3753834.43	615.00	559.00	507.90	511.00	811.00	811.00	811.00	811.00	811.00
3753734.43	613.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3750934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00

3754534.43	520.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	811.00
3753934.43	811.00
3753834.43	811.00
3753734.43	811.00
3753634.43	811.00
3753534.43	811.00
3753434.43	811.00
3753334.43	811.00
3753234.43	811.00
3753134.43	811.00
3753034.43	811.00
3752934.43	811.00
3752834.43	811.00
3752734.43	811.00
3752634.43	811.00
3752534.43	811.00
3752434.43	811.00
3752334.43	811.00
3752234.43	811.00
3752134.43	811.00
3752034.43	811.00
3751934.43	811.00
3751834.43	811.00
3751734.43	811.00
3751634.43	811.00
3751534.43	811.00
3751434.43	811.00
3751334.43	811.00
3751234.43	811.00
3751134.43	811.00
3751034.43	811.00
3750934.43	811.00

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
PAGE 24

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

485549.5, 485649.5, 485749.5, 485849.5,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.9, 3751034.9, 3751134.9, 3751234.9, 3751334.9, 3751434.9, 3751534.9, 3751634.9, 3751734.9, 3751834.9,
3751934.9, 3752034.9, 3752134.9, 3752234.9, 3752334.9, 3752434.9, 3752534.9, 3752634.9, 3752734.9, 3752834.9,
3752934.9, 3753034.9, 3753134.9, 3753234.9, 3753334.9, 3753434.9,

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
PAGE 25

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	497.00	494.70	493.80	492.50
3753334.90	495.20	494.30	494.20	494.90
3753234.90	493.20	495.50	492.40	492.80
3753134.90	490.00	490.70	490.50	489.50
3753034.90	490.20	491.70	489.20	490.10
3752934.90	488.20	488.60	486.50	488.00
3752834.90	489.00	487.30	488.80	488.50
3752734.90	488.90	487.30	487.40	486.30
3752634.90	486.00	486.60	486.90	486.00
3752534.90	486.00	484.20	484.00	486.00
3752434.90	485.70	485.00	488.10	493.30
3752334.90	489.50	491.30	494.00	502.10
3752234.90	493.50	496.70	497.00	506.50
3752134.90	498.50	502.00	503.90	507.60
3752034.90	508.20	508.10	511.20	522.80
3751934.90	513.90	513.00	519.30	532.40
3751834.90	518.10	529.70	538.40	559.00
3751734.90	531.80	533.60	558.40	605.00
3751634.90	557.00	570.60	588.90	622.30
3751534.90	599.00	611.20	626.10	628.30
3751434.90	659.50	664.00	669.40	643.70
3751334.90	702.50	703.50	696.20	663.60
3751234.90	708.30	736.50	713.70	692.00
3751134.90	720.70	748.90	725.50	720.30
3751034.90	744.10	769.60	738.00	734.40
3750934.90	771.00	782.40	753.40	754.20

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
PAGE 26

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

```
                                   * HILL HEIGHT SCALES IN METERS *

   Y-COORD  |                                        X-COORD (METERS)
   (METERS) |     485549.47    485649.47    485749.47    485849.47
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3753434.90 |        811.00       811.00       811.00       811.00
  3753334.90 |        811.00       811.00       811.00       811.00
  3753234.90 |        811.00       811.00       811.00       811.00
  3753134.90 |        811.00       811.00       811.00       811.00
  3753034.90 |        811.00       811.00       811.00       811.00
  3752934.90 |        811.00       811.00       811.00       811.00
  3752834.90 |        811.00       811.00       811.00       811.00
  3752734.90 |        811.00       811.00       811.00       811.00
  3752634.90 |        811.00       811.00       811.00       811.00
  3752534.90 |        811.00       811.00       811.00       811.00
  3752434.90 |        811.00       811.00       811.00       811.00
  3752334.90 |        811.00       811.00       811.00       811.00
  3752234.90 |        811.00       811.00       811.00       811.00
  3752134.90 |        811.00       811.00       811.00       811.00
  3752034.90 |        811.00       811.00       811.00       811.00
  3751934.90 |        811.00       811.00       811.00       811.00
  3751834.90 |        811.00       811.00       811.00       811.00
  3751734.90 |        811.00       811.00       811.00       811.00
  3751634.90 |        811.00       811.00       811.00       811.00
  3751534.90 |        811.00       811.00       811.00       811.00
  3751434.90 |        811.00       811.00       811.00       811.00
  3751334.90 |        811.00       811.00       811.00       811.00
  3751234.90 |        811.00       811.00       811.00       811.00
  3751134.90 |        811.00       811.00       811.00       811.00
  3751034.90 |        811.00       798.00       811.00       811.00
  3750934.90 |        798.00       798.00       811.00       811.00
♀ *** AERMOD - VERSION  12060 ***   *** WLC Construction Area - LST Assessment (1-HR Average)                ***        12/06/12
                                    *** NOx Emissions - 15 hour day                                          ***        13:11:50
                                                                                                                        PAGE  27
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL                                                     OLM

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                   (METERS)

     ( 485619.4, 3753969.7,     505.7,     811.0,       0.0);         ( 485713.0, 3753961.9,     506.6,     811.0,       0.0);
     ( 487190.8, 3754410.3,     509.4,     776.0,       0.0);         ( 487194.8, 3754289.5,     507.2,     777.0,       0.0);
     ( 487268.8, 3754090.6,     503.1,     777.0,       0.0);         ( 487483.3, 3754102.3,     502.0,     777.0,       0.0);
♀ *** AERMOD - VERSION  12060 ***   *** WLC Construction Area - LST Assessment (1-HR Average)                ***        12/06/12
                                    *** NOx Emissions - 15 hour day                                          ***        13:11:50
                                                                                                                        PAGE  28
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL                                                     OLM

                                       *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                    *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
♀ *** AERMOD - VERSION  12060 ***   *** WLC Construction Area - LST Assessment (1-HR Average)                ***        12/06/12
                                    *** NOx Emissions - 15 hour day                                          ***        13:11:50
                                                                                                                        PAGE  29
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL                                                     OLM

                                        *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

   Surface file:   RIVR2.SFC                                                                          Met Version:  11059
   Profile file:   RIVR2.PFL
   Surface format: FREE
   Profile format: FREE
   Surface station no.:        2                  Upper air station no.:     3190
                  Name: UNKNOWN                                   Name: UNKNOWN
                  Year:   2005                                    Year:   2005

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN ALBEDO  REF WS   WD     HT  REF TA     HT
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 05 01 01   1 01   -7.5  0.135 -9.000 -9.000 -999.  115.     29.0  0.39   1.00   1.00    1.60  338.    9.1  279.2    5.5
 05 01 01   1 02   -2.2  0.057 -9.000 -9.000 -999.   34.      7.4  0.39   1.00   1.00    0.90  264.    9.1  279.2    5.5
 05 01 01   1 03   -4.0  0.070 -9.000 -9.000 -999.   42.      7.4  0.39   1.00   1.00    1.10   54.    9.1  278.8    5.5
 05 01 01   1 04   -1.6  0.044 -9.000 -9.000 -999.   21.      4.7  0.39   1.00   1.00    0.70  360.    9.1  278.8    5.5
 05 01 01   1 05   -2.7  0.063 -9.000 -9.000 -999.   37.      8.2  0.39   1.00   1.00    1.00  318.    9.1  278.1    5.5
 05 01 01   1 06   -2.8  0.070 -9.000 -9.000 -999.   42.     10.5  0.39   1.00   1.00    1.10   53.    9.1  277.5    5.5
 05 01 01   1 07   -3.8  0.070 -9.000 -9.000 -999.   42.      7.7  0.39   1.00   1.00    1.10  134.    9.1  278.8    5.5
 05 01 01   1 08   -2.3  0.057 -9.000 -9.000 -999.   31.      7.0  0.39   1.00   0.53    0.90  319.    9.1  278.8    5.5
 05 01 01   1 09   29.7  0.193  0.388  0.005   69.  195.    -21.1  0.39   1.00   0.32    1.20  110.    9.1  282.0    5.5
 05 01 01   1 10   78.5  0.248  1.193  0.005  760.  285.    -17.1  0.39   1.00   0.25    1.50  107.    9.1  284.2    5.5
 05 01 01   1 11  118.9  0.316  1.511  0.007 1020.  409.    -23.3  0.39   1.00   0.22    2.00  122.    9.1  285.9    5.5
 05 01 01   1 12  132.2  0.238  1.665  0.009 1227.  270.     -9.0  0.39   1.00   0.21    1.30  154.    9.1  287.0    5.5
 05 01 01   1 13   80.9  0.249  1.421  0.009 1245.  286.    -16.8  0.39   1.00   0.21    1.50  166.    9.1  287.0    5.5
 05 01 01   1 14   80.7  0.305  1.427  0.009 1263.  388.    -31.0  0.39   1.00   0.23    2.00  235.    9.1  287.5    5.5
 05 01 01   1 15   36.6  0.321  1.098  0.009 1270.  419.    -79.5  0.39   1.00   0.26    2.30  305.    9.1  286.4    5.5
 05 01 01   1 16    1.2  0.206  0.354  0.009 1271.  221.   -629.7  0.39   1.00   0.35    1.60  292.    9.1  285.9    5.5
```

```
05 01 01   1 17  -11.9  0.181 -9.000 -9.000 -999.  178.     44.1  0.39   1.00   0.63    1.90  280.    9.1  285.4    5.5
05 01 01   1 18  -17.1  0.313 -9.000 -9.000 -999.  404.    158.3  0.39   1.00   1.00    2.70  304.    9.1  284.2    5.5
05 01 01   1 19   -8.7  0.159 -9.000 -9.000 -999.  161.     40.6  0.39   1.00   1.00    1.70  311.    9.1  283.8    5.5
05 01 01   1 20   -3.8  0.070 -9.000 -9.000 -999.   48.      7.8  0.39   1.00   1.00    1.10   13.    9.1  283.1    5.5
05 01 01   1 21   -4.7  0.076 -9.000 -9.000 -999.   48.      8.2  0.39   1.00   1.00    1.20    8.    9.1  282.0    5.5
05 01 01   1 22   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80  183.    9.1  280.9    5.5
05 01 01   1 23   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   16.    9.1  280.4    5.5
05 01 01   1 24   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   62.    9.1  279.9    5.5


First hour of profile data
YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
05 01 01 01    5.5 0 -999.  -99.00   279.3   99.0  -99.00  -99.00
05 01 01 01    9.1 1  338.    1.60  -999.0   99.0  -99.00  -99.00

F indicates top of profile (=1) or below (=0)
♀ *** AERMOD - VERSION  12060 ***   *** WLC Construction Area - LST Assessment (1-HR Average)                 ***        12/06/12
                                    *** NOx Emissions - 15 hour day                                          ***        13:11:50
                                                                                                                        PAGE  30
**MODELOPTs:  NonDFAULT CONC                                                  ELEV
                        FASTALL                                                       OLM

   *** THE   1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     PAREA1      , PAREA2      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF NO2      IN MICROGRAMS/M**3                          **

   Y-COORD  |                                          X-COORD (METERS)
   (METERS) |     461553.03    462553.03    463553.03    464553.03    465553.03    466553.03    467553.03    468553.03    469553.03
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3767938.31 |      32.32196     36.67271     34.79904     31.12754     29.85376     27.35266     27.82675     27.23295     28.46433
 3766938.31 |      29.70809     31.23509     35.80357     37.95802     32.75478     31.39149     29.68075     31.59977     29.45711
 3765938.31 |      26.64277     28.65280     31.55643     33.86355     39.34317     37.57212     34.45658     35.28838     30.40897
 3764938.31 |      26.68537     29.13009     28.73270     29.28929     33.62956     37.30757     41.52622     36.87065     35.80135
 3763938.31 |      25.93749     30.28921     27.81496     28.94977     28.49032     31.92439     36.21429     43.09238     42.91909
 3762938.31 |      23.58372     24.32397     26.34388     28.88987     29.40782     30.79872     30.78691     35.85380     40.98145
 3761938.31 |      23.60580     24.06247     24.63329     25.72457     27.49729     31.11340     32.34234     33.38252     33.82543
 3760938.31 |      24.87838     25.83312     25.59810     26.14099     26.79054     28.00652     29.49768     33.60022     36.20618
 3759938.31 |      26.18275     26.63678     27.82063     28.02131     29.30158     29.44274     29.75301     30.73089     32.72320
 3758938.31 |      27.62790     29.27394     30.07388     30.14830     30.64060     30.73454     32.42776     33.43983     34.15367
 3757938.31 |      28.07371     27.65560     28.16804     29.85758     32.53463     34.38723     35.28690     35.14346     36.38645
 3756938.31 |      32.97087     33.31738     33.74764     34.54191     34.77852     34.77985     34.78388     34.46246     38.51822
 3755938.31 |      28.20707     30.65420     33.33921     35.98151     38.54699     41.65268     43.25372     43.32830     42.51039
 3754938.31 |      26.54466     27.49602     28.50617     29.50900     31.31629     35.37070     38.47831     41.27828     44.98223
 3753938.31 |      24.40854     25.26348     26.58050     28.02512     30.24325     32.69823     34.96136     38.15607     41.44827
 3752938.31 |      24.49096     25.56264     26.92056     28.30885     30.27335     32.89450     35.70574     38.47586     40.47488
 3751938.31 |      26.59549     27.64127     28.86141     30.65459     33.11367     35.84012     38.90640     42.20973     45.50958
 3750938.31 |      28.83219     30.44074     32.31420     34.18895     36.13319     39.60211     43.74650     46.03495     48.37522
 3749938.31 |      30.02392     30.58925     31.88749     34.61004     36.59749     38.06130     40.17543     41.51776     41.79983
 3748938.31 |      29.72261     28.25039     28.69175     28.84266     29.09527     30.79165     32.48228     49.44492     46.43175
 3747938.31 |      24.57362     25.47057     24.24689     24.67910     26.45670     42.85300     43.88603     52.49222     46.53568
 3746938.31 |      22.90990     26.06610     27.82347     28.32820     30.60381     33.77670     35.23121     36.89005     36.83734
 3745938.31 |      26.61891     28.51925     29.92321     29.65022     30.28921     30.74212     29.99574     30.27524     29.27931
 3744938.31 |      26.44405     27.87027     27.37548     25.84906     25.81363     24.57181     22.72571     38.20943     49.54738
 3743938.31 |      23.13040     23.05544     22.07887     21.98257     26.63893     31.59738     36.78499     41.50541     43.85739
 3742938.31 |      19.30008     21.10338     26.53097     29.99408     32.14638     39.65076     40.60791     41.98004     55.25872
 3741938.31 |      26.03043     33.73666     35.78587     38.75147     42.53062     37.91277     47.14296     45.02879     53.41261
♀ *** AERMOD - VERSION  12060 ***   *** WLC Construction Area - LST Assessment (1-HR Average)                 ***        12/06/12
                                    *** NOx Emissions - 15 hour day                                          ***        13:11:50
                                                                                                                        PAGE  31
**MODELOPTs:  NonDFAULT CONC                                                  ELEV
                        FASTALL                                                       OLM

   *** THE   1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     PAREA1      , PAREA2      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF NO2      IN MICROGRAMS/M**3                          **

   Y-COORD  |                                          X-COORD (METERS)
   (METERS) |     470553.03    471553.03    472553.03    473553.03    474553.03    475553.03    476553.03    477553.03    478553.03
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3767938.31 |      30.43706     30.59923     35.36732     42.42258     38.06469     30.55170     32.31557     42.13476     34.07262
 3766938.31 |      30.31640     33.14579     32.84352     38.38030     47.06417     39.78496     33.05862     41.27681     44.65333
 3765938.31 |      32.02864     32.07232     37.86143     35.29621     44.22163     52.89218     41.43182     36.26550     51.03874
 3764938.31 |      32.43078     34.74648     38.82971     40.44086     38.78495     51.04948     57.82061     58.95511     50.31193
 3763938.31 |      39.25579     37.29911     39.31571     43.42203     42.05462     42.97182     58.82102     66.72968     49.86665
 3762938.31 |      47.76022     43.85002     43.09708     40.80153     45.28661     61.36399     48.15357     71.25755     73.15728
 3761938.31 |      44.21948     58.11194     58.58553     50.79493     51.99072     36.69648     46.49669     60.43055     79.70270
 3760938.31 |      40.01471     43.41787     54.52150     61.21106     61.09897     56.45604     41.77636     43.63144     62.41513
 3759938.31 |      38.02399     42.18074     48.65146     41.13623     64.39371     74.97071     66.32346     47.65985     66.54203
 3758938.31 |      35.57703     39.09128     36.66811     39.17964     60.55114     74.03064     82.48728     77.48612     71.72425
 3757938.31 |      39.96232     43.21313     56.45104     38.82589     42.65374     75.95784     82.59191     81.15370     81.98972
 3756938.31 |      43.12460     47.89431     49.20493     61.20843     49.14106     79.60642     78.13746     84.26128     85.90011
 3755938.31 |      46.74553     47.61442     46.19973     53.39622     75.10841     78.20560     74.39007     81.75488     82.82744
 3754938.31 |      50.81533     55.36056     57.04798     58.12553     58.02654     60.78861     67.45519     77.49665     84.15726
 3753938.31 |      44.29048     46.19730     50.45274     54.63334     58.99931     66.90307     73.83315     76.81415     78.04281
 3752938.31 |      42.77600     45.53498     48.38093     52.15661     57.44256     63.82024     68.99179     74.20205     79.69198
 3751938.31 |      49.93209     65.68627     59.38417     59.01938     63.67170     70.65596     79.29767     83.84833     87.09291
 3750938.31 |      56.46828     64.80862     66.22893     54.90037     56.51441     56.83249     58.03422     68.59072     80.26576
 3749938.31 |      48.00097     56.68638     62.58030     44.00911     49.84285     57.47716     63.93349     72.72733     79.01773
 3748938.31 |      58.14071     58.08054     64.67146     55.56564     54.24546     55.21192     53.87499     65.45114     82.61145
 3747938.31 |      51.08584     53.02317     59.47189     59.46520     44.58327     54.88588     70.10316     74.01937     79.72870
 3746938.31 |      51.34079     41.52406     44.98009     65.06669     75.84724     61.59022     71.05838     69.75711     69.20216
 3745938.31 |      44.26207     54.61266     62.60942     72.13004     72.17762     62.15637     59.39509     55.86514     70.41642
 3744938.31 |      51.53051     51.80097     53.82163     70.05838     77.62681     54.67704     50.38290     61.90532     58.01228
 3743938.31 |      44.73818     53.74195     52.02593     56.54767     61.98132     47.18254     55.82863     50.58577     59.45568
 3742938.31 |      54.17890     55.54102     61.17985     47.09317     55.14221     51.34721     45.89142     53.32765     51.94359
 3741938.31 |      48.78352     56.69098     43.62222     56.73090     64.87195     61.91033     55.24534     46.60986     49.11546
♀ *** AERMOD - VERSION  12060 ***   *** WLC Construction Area - LST Assessment (1-HR Average)                 ***        12/06/12
                                    *** NOx Emissions - 15 hour day                                          ***        13:11:50
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , PAREA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	38.79965	40.00526	40.79375	45.30510	45.81320	53.28612	48.50573	49.53775	61.73264
3766938.31	35.17416	46.04342	42.14177	46.03937	50.55171	57.20222	52.80963	70.00392	66.59837
3765938.31	42.75068	46.39399	45.80388	49.60475	55.41666	73.20987	71.61039	69.88330	59.71929
3764938.31	55.71174	44.02349	49.48629	52.66654	64.00122	81.49830	74.12792	65.12213	55.65990
3763938.31	65.06697	53.95343	57.16147	54.32418	57.07541	82.44391	71.62031	59.28838	53.15870
3762938.31	46.89536	64.81158	61.62091	75.18679	71.17291	70.47892	85.01995	80.97238	73.11341
3761938.31	56.12677	50.63916	73.14515	79.78595	85.87085	79.22261	86.55014	81.66746	79.09869
3760938.31	77.95677	48.83051	59.70060	56.29904	66.25976	84.42538	88.22996	87.44048	84.49286
3759938.31	53.61485	69.11146	53.61422	63.54887	63.90046	76.50416	88.74176	88.64970	84.29607
3758938.31	55.86491	58.84578	74.62428	67.16452	66.78513	77.51101	87.25810	82.42189	80.04309
3757938.31	70.25495	63.85978	70.58659	85.14433	80.04458	85.99323	88.48625	86.57786	83.79355
3756938.31	85.89893	81.37077	80.44319	83.76303	89.04228	88.63795	98.16168	91.79388	91.28150
3755938.31	87.03754	89.08866	92.43327	93.39176	93.71066	93.31620	104.25205	118.70072	106.27597
3754938.31	88.03066	91.24622	92.75827	96.38291	99.92707	102.29457	111.36448	133.29781	132.71344
3753938.31	79.04508	84.98125	92.97044	100.06355	104.13680	113.71345	129.87856	163.34899	210.96761
3752938.31	85.73147	89.71210	93.39039	99.30231	109.07848	126.87365	173.59041	297.36598	228.46987
3751938.31	88.75472	90.57277	92.24012	96.76289	104.96343	130.46695	172.43039	126.94199	148.36269
3750938.31	82.73295	86.02394	90.63071	99.69670	107.19693	119.19308	124.57850	101.40742	107.80679
3749938.31	79.11758	89.59242	92.22674	102.79227	104.97200	104.34947	105.17165	103.02460	106.92583
3748938.31	86.05791	87.48843	95.76564	88.10655	97.21105	120.67765	104.58317	100.73819	99.54572
3747938.31	82.46299	83.96878	85.65187	85.70614	95.02420	104.00523	92.63912	94.59203	90.39340
3746938.31	77.86699	82.63380	86.01450	88.16384	89.24537	89.86589	89.31821	90.85423	92.00779
3745938.31	68.82067	76.02013	82.84635	83.45424	87.55385	87.20982	90.42859	78.10420	90.05452
3744938.31	67.58318	67.29218	80.63190	80.57796	82.94440	82.61947	73.83425	82.48169	85.06082
3743938.31	58.16045	69.38954	66.02914	79.44804	86.71241	63.97744	79.91433	73.76436	81.11173
3742938.31	57.33406	58.48298	67.42356	67.38716	71.73077	69.51101	72.45536	68.88917	73.02625
3741938.31	56.34399	56.57500	64.33115	68.79168	61.14136	66.80058	64.29206	65.55983	65.68804

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , PAREA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	64.59917	60.54983	53.67038	42.69916	37.00233	35.34595	45.08925	37.07260	32.77474
3766938.31	58.31769	58.58855	51.27762	46.52168	49.34304	41.94892	47.16950	31.78602	35.16032
3765938.31	53.47574	56.09507	62.16454	61.06052	55.29738	58.38212	41.24236	40.18672	37.12264
3764938.31	56.34919	66.30279	62.12345	68.67453	56.62932	57.16054	45.24638	41.87129	42.62905
3763938.31	65.59623	70.25706	74.60355	68.58228	63.61537	45.07912	47.01879	46.94686	43.55462
3762938.31	77.12152	79.27959	80.14144	67.61871	65.13899	55.21242	50.57939	49.51387	47.91483
3761938.31	76.05942	70.57433	73.73259	67.13272	62.41856	55.27281	54.29568	54.42768	50.24945
3760938.31	80.80713	77.54031	75.74611	69.47642	63.82574	64.04141	65.87250	53.38028	54.63975
3759938.31	89.58816	89.06552	86.70641	84.26295	70.23959	77.93032	63.81417	65.03299	59.99961
3758938.31	85.50631	86.85659	89.43610	80.55850	87.71995	82.65710	74.87078	71.38452	68.00539
3757938.31	88.43452	91.06402	86.26160	86.46657	85.65600	80.30137	79.26322	79.13549	62.14956
3756938.31	102.10430	96.01320	95.65478	94.21299	88.79973	85.37765	81.92480	73.03510	65.54784
3755938.31	110.60709	115.01448	109.15801	102.03800	95.60516	86.98316	81.73852	78.07012	79.95131
3754938.31	161.80718	135.50635	117.65155	106.55154	98.69626	90.30853	86.84734	75.45414	69.85157
3753938.31	180.24586	171.47587	147.28436	111.03337	108.12973	91.73839	88.91934	84.35413	67.73914
3752938.31	178.65990	148.13131	135.01879	135.95803	119.04263	101.81896	95.09608	88.59905	71.50471
3751938.31	172.64538	160.99073	138.02460	111.28971	104.70168	103.37448	91.01194	87.21958	76.45410
3750938.31	121.44924	131.25641	123.35821	107.31013	95.14592	108.44552	104.63402	94.38095	78.76661
3749938.31	104.12631	103.35615	107.46064	95.70899	92.36625	89.40717	85.27531	83.34495	79.97352
3748938.31	99.69638	93.78118	92.88192	89.76027	86.60328	83.96109	82.61072	88.61395	68.83169
3747938.31	93.79448	88.77040	88.72393	85.48741	85.85617	83.61165	78.25693	78.44677	85.30761
3746938.31	88.29469	87.72785	87.23611	85.34207	77.24732	78.14859	69.91047	67.76447	69.84519
3745938.31	85.41298	85.35964	82.98975	83.16286	77.00408	65.93243	67.72660	58.63702	60.15615
3744938.31	79.56125	82.67141	77.21487	74.35194	75.93640	67.20853	59.35819	59.90664	54.48710
3743938.31	70.75260	74.33121	69.51617	70.27195	71.88345	68.38138	59.25432	52.97480	53.20831
3742938.31	62.98704	67.25511	66.10902	63.49537	75.22671	54.15995	59.24433	53.36989	47.95632
3741938.31	56.56533	61.81937	62.28108	71.02266	64.79582	47.86504	47.70281	64.40760	48.66584

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , PAREA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	30.54786	30.41360	29.04279	26.42625	20.37040	19.55537	14.91989	9.30231	5.35315
3766938.31	33.01835	32.58394	29.10043	24.40856	23.13130	9.39142	7.36925	10.55910	10.46957
3765938.31	38.54582	33.78909	23.95501	28.02024	22.93439	10.39287	11.57664	11.89247	13.61668

3764938.31	39.62685	33.24773	34.17633	31.46397	24.42634	20.69366	20.24674	17.90575	15.77919
3763938.31	41.52850	39.48486	37.56979	35.42891	30.44645	25.90917	24.84670	23.63954	19.06735
3762938.31	44.03884	42.78256	40.44525	36.43268	32.99189	29.03547	27.64907	25.68071	23.72165
3761938.31	47.20883	48.70708	41.84909	32.52893	34.94685	31.30005	31.47531	29.17120	26.13579
3760938.31	51.63708	50.54620	42.62981	39.75669	37.48314	35.75780	33.18700	30.89873	28.36601
3759938.31	53.29339	58.60727	47.92675	43.46378	42.04371	37.89680	36.06775	32.74290	29.23052
3758938.31	63.10679	49.39139	50.92834	45.68873	43.91592	43.59271	38.63322	34.02283	31.36810
3757938.31	58.82164	52.40722	52.36827	46.35460	45.22984	42.16083	44.02726	43.10853	36.49489
3756938.31	60.94235	54.24202	52.90489	53.67768	53.63225	47.71281	42.63201	39.07886	34.59705
3755938.31	69.27975	63.27599	55.82061	48.58235	43.52715	43.11222	38.60002	35.75883	34.63919
3754938.31	60.76907	52.29006	50.59986	47.30229	41.61067	38.63185	39.58801	38.04722	35.86757
3753938.31	59.81185	54.85751	52.65728	47.56549	44.34989	41.45224	42.57842	40.85406	39.46381
3752938.31	67.58997	58.41245	53.69769	46.75506	44.69045	41.31343	42.34701	40.23244	38.03203
3751938.31	70.79664	67.11400	53.59989	48.26406	47.75445	43.14012	40.86989	41.79400	38.93354
3750938.31	74.67624	66.66639	46.91830	44.94590	42.30759	41.44605	39.16029	40.63588	35.29041
3749938.31	84.87230	73.59698	53.61999	46.83067	44.44628	38.61102	40.04086	40.52456	37.07631
3748938.31	79.12725	79.39040	60.80167	51.50809	43.20037	40.90374	38.14277	39.78381	39.50358
3747938.31	64.49951	78.41750	61.89924	58.66807	49.06995	35.85801	44.25435	42.12854	42.55604
3746938.31	68.65665	74.14722	50.26816	45.86144	51.77613	48.08859	49.08924	47.78603	42.31164
3745938.31	57.08533	62.43739	71.08020	62.29281	54.93180	52.09006	47.45099	40.23408	36.85640
3744938.31	52.64429	50.95135	50.77823	56.45410	42.36857	41.09193	35.88266	26.31026	28.87264
3743938.31	50.15479	45.44817	46.96267	45.02874	53.85875	39.80277	26.34442	27.11909	25.74866
3742938.31	48.17233	46.14497	40.72217	43.26877	42.58442	50.17437	33.45028	27.08913	24.41486
3741938.31	43.79636	44.97982	42.96204	39.59162	39.50514	40.33796	39.23935	39.25808	26.16164

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , PAREA2 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	107.24884	107.84383	108.43277	107.69433	107.19024	110.42794	114.50735	117.10886	116.43909
3754534.43	107.18225	108.34333	110.02398	110.13948	109.82195	110.10388	114.74561	117.39481	118.68939
3754434.43	107.30580	108.86043	110.59419	111.68173	111.24920	113.90932	115.86410	117.39403	119.96489
3754334.43	110.32211	109.81500	110.44283	111.91064	113.37293	116.36532	118.50689	118.10048	119.91432
3754234.43	112.61665	112.76179	112.62865	112.69784	114.27199	116.54045	120.19942	120.70477	120.92068
3754134.43	112.68053	114.54241	115.47968	115.78831	116.27832	117.31024	121.49314	121.69344	123.50235
3754034.43	112.63790	115.00721	116.43780	118.08980	119.17625	119.66693	123.23375	122.93405	124.88039
3753934.43	113.72473	115.38854	116.32270	117.93547	119.75327	122.18659	124.73443	126.42491	125.63864
3753834.43	115.63358	116.77897	117.90219	118.40468	120.24548	122.24686	124.66300	129.06568	130.72752
3753734.43	117.79810	118.74177	119.57520	120.61466	121.79987	123.22462	124.15446	128.40965	132.70101
3753634.43	119.25590	120.34880	122.04234	123.26508	124.33003	125.23245	126.39619	127.95202	132.02715
3753534.43	120.31265	121.73322	123.66762	125.17251	126.80206	128.52143	129.95324	131.28302	132.59519
3753434.43	122.16161	124.01579	125.45007	126.73609	129.02041	131.13015	133.16399	135.15066	136.88456
3753334.43	121.63668	124.44190	126.97039	129.46046	131.61975	133.41303	136.05277	138.76932	141.27000
3753234.43	119.48987	122.30685	125.42725	128.92508	132.53670	135.98921	139.50621	141.52057	145.87431
3753134.43	120.92830	122.09407	122.69917	124.97780	130.05861	134.34610	139.49158	143.71395	149.14292
3753034.43	123.61425	125.75246	129.12754	130.50996	133.17666	136.11475	139.27897	142.81956	148.28839
3752934.43	126.90272	129.55104	132.48929	135.63565	139.21017	143.16089	147.63816	152.74699	158.54805
3752834.43	128.86047	131.77701	135.06335	138.67035	142.70491	147.21349	152.43590	158.61008	165.30113
3752734.43	131.22560	134.67084	138.40032	142.64960	147.32167	152.77010	158.25234	165.10540	172.41485
3752634.43	135.18961	138.27871	141.97163	145.71707	149.66090	154.68246	159.64059	164.84660	170.41877
3752534.43	133.89411	136.38515	138.68623	142.14509	145.09121	149.32074	154.04744	158.41593	164.70715
3752434.43	129.26456	131.97493	134.35032	137.01585	141.10081	144.83688	150.57373	155.19574	165.07998
3752334.43	125.88969	129.05146	132.00194	135.10600	139.70617	144.36100	152.78606	161.55997	170.50888
3752234.43	124.89989	128.38150	132.47212	135.79924	142.96965	148.72687	157.03417	163.88129	173.27689
3752134.43	125.35031	129.63745	135.52443	141.21215	146.49063	152.12669	159.47761	166.81288	173.59603
3752034.43	129.25000	133.86102	137.40105	142.55105	149.11382	153.98099	159.17581	163.71591	169.12640
3751934.43	130.55171	135.22064	140.18580	144.56131	148.23067	151.32072	155.49386	157.91643	165.58089
3751834.43	132.74619	136.76742	139.82669	142.36703	144.59722	146.73818	148.85527	157.03098	162.59046
3751734.43	132.91162	135.00487	137.15616	138.45327	140.10477	141.23982	149.09865	157.85167	159.60595
3751634.43	130.46464	131.59840	133.08546	133.62333	139.58172	139.47449	152.10481	153.33989	144.55021
3751534.43	127.16100	128.07399	134.35029	137.48048	141.03931	147.29284	147.23850	133.79866	122.40431
3751434.43	126.77582	130.27879	134.00385	137.35252	142.01927	138.12594	127.42155	119.36844	114.86091
3751334.43	126.88482	129.87257	134.75106	137.52074	137.07833	130.07973	119.49873	112.78018	112.03075
3751234.43	126.77848	132.02932	134.22420	131.38902	127.63646	121.70457	113.09944	109.89583	111.32094
3751134.43	129.41376	131.46460	129.72885	119.78420	119.94472	114.14572	110.01156	109.40920	115.00628
3751034.43	128.31120	125.93480	119.28413	111.80105	113.38008	108.92219	107.50329	108.19464	122.23829
3750934.43	118.74786	120.53143	111.09813	108.20977	106.51930	105.67849	106.55880	108.09313	122.05255

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , PAREA2 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	114.42125
3754534.43	118.40337
3754434.43	120.78863
3754334.43	122.25733
3754234.43	122.63674
3754134.43	123.47022
3754034.43	126.41882
3753934.43	127.67207
3753834.43	130.19216
3753734.43	134.66423

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 3753634.43 |     136.52281
 3753534.43 |     136.85363
 3753434.43 |     139.15336
 3753334.43 |     143.72622
 3753234.43 |     148.94236
 3753134.43 |     154.34980
 3753034.43 |     155.91743
 3752934.43 |     165.10276
 3752834.43 |     174.34749
 3752734.43 |     181.10733
 3752634.43 |     177.88940
 3752534.43 |     172.70773
 3752434.43 |     176.86026
 3752334.43 |     179.87231
 3752234.43 |     182.56370
 3752134.43 |     180.05999
 3752034.43 |     176.42961
 3751934.43 |     170.75391
 3751834.43 |     163.34971
 3751734.43 |     152.52352
 3751634.43 |     129.29816
 3751534.43 |     117.70254
 3751434.43 |     115.36847
 3751334.43 |     122.66108
 3751234.43 |     126.54494
 3751134.43 |     125.07130
 3751034.43 |     124.04860
 3750934.43 |     123.55228
♀ *** AERMOD - VERSION  12060 ***   *** WLC Construction Area - LST Assessment (1-HR Average)                ***        12/06/12
                                    *** NOx Emissions - 15 hour day                                          ***        13:11:50
                                                                                                                        PAGE  37
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                       FASTALL                                                          OLM

    *** THE   1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     PAREA1      , PAREA2      ,

                                   *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                        ** CONC OF NO2      IN MICROGRAMS/M**3                          **

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     485549.47    485649.47    485749.47    485849.47
- - - -
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3767938.31	10.88443	12.16153	12.02409	12.11725	15.08119	15.63145	13.18056	12.78801	13.51743
3766938.31	12.38850	10.26202	11.78181	12.49712	12.64423	14.33001	16.11262	15.88760	13.67943
3765938.31	11.05794	13.94720	12.28196	11.34662	13.56706	12.99818	13.91385	18.57825	16.19418
3764938.31	10.23238	13.43687	12.50077	13.91172	12.41370	12.50787	13.86685	14.35783	17.67112
3763938.31	8.45213	10.51748	10.81953	13.44981	13.22381	14.38802	12.80975	15.31407	15.21737
3762938.31	8.00068	8.02221	8.72863	10.08337	11.62448	14.47341	15.51142	16.21443	15.03079
3761938.31	8.54289	8.72185	8.73268	8.38744	9.35935	11.17086	13.21161	16.17459	17.40877
3760938.31	9.74109	10.69072	10.88109	9.51239	9.70032	9.84820	9.90381	12.61975	15.69517
3759938.31	8.82476	8.28379	9.33410	11.27450	12.51521	12.61947	11.21682	12.34975	10.95751
3758938.31	8.84462	9.85965	10.54507	10.65677	10.74984	10.37740	13.52882	15.12564	15.15811
3757938.31	9.23815	11.33757	10.59038	10.39940	10.74180	12.50905	13.56982	14.17930	13.72188
3756938.31	8.66853	9.12416	9.58490	9.80409	10.68087	13.32909	15.20543	13.79913	14.96442
3755938.31	10.51351	10.37278	10.47395	10.83092	11.46237	11.94210	13.52904	14.24130	14.55267
3754938.31	9.26044	9.94950	10.62616	11.65658	13.33593	15.07610	16.33298	17.48433	17.50436
3753938.31	9.10896	9.41092	9.92297	10.54975	11.34454	12.34510	13.77286	14.96415	15.74248
3752938.31	10.61423	11.20350	11.94666	12.72690	13.81216	15.22955	16.74022	18.34876	19.77536
3751938.31	9.93337	10.40948	11.01849	12.03227	12.99589	13.97275	15.20751	16.64277	17.94737
3750938.31	9.32027	9.96510	10.84160	11.37411	12.04837	12.92353	13.84375	14.65819	15.90972
3749938.31	9.03945	9.54026	10.23217	11.12835	11.46493	12.11448	13.73278	14.67770	16.45492
3748938.31	9.25248	9.39709	9.94060	10.51140	10.90331	11.29088	12.19187	9.90577	13.96832
3747938.31	8.27554	8.69312	8.48238	8.53258	9.22570	11.78534	11.39713	9.48359	10.82407
3746938.31	7.58359	8.87876	8.76989	8.28908	9.74323	11.29865	11.30912	11.88974	12.21062
3745938.31	7.58005	8.90833	9.25165	8.86954	9.54812	9.84122	10.32182	11.32105	13.67073
3744938.31	7.44141	8.47199	8.50262	8.64782	9.12980	9.88149	10.94794	12.31827	12.94753
3743938.31	7.51416	7.68815	7.91593	9.12631	10.09039	10.98219	11.95843	14.28822	16.81082
3742938.31	7.40240	8.55652	9.36420	9.14036	10.62862	10.99682	14.56844	9.82591	11.63625
3741938.31	8.68436	6.45395	10.30202	10.15115	7.22593	7.23029	7.36006	11.13852	15.43213

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , PAREA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	12.29076	15.28799	15.85950	15.26160	15.33352	15.15643	16.25557	16.85113	20.04504
3766938.31	14.95050	13.79753	17.73300	18.01458	18.99613	19.48797	17.08166	16.37780	18.50665
3765938.31	15.73315	16.83194	16.40876	19.92307	22.16631	23.47986	23.46423	20.05315	19.94355
3764938.31	19.43641	18.22866	12.27851	18.33653	22.75963	25.71133	25.87031	24.67856	20.51358
3763938.31	17.20150	21.46536	21.75204	20.13392	20.03424	25.99713	27.72199	26.34332	16.39046
3762938.31	18.01452	18.10762	23.43884	23.22489	22.31407	19.86186	30.06008	32.35950	30.82430
3761938.31	18.83834	16.09509	20.57867	24.89678	24.06088	13.93351	15.18514	21.65760	31.36489
3760938.31	20.17203	21.35504	12.24988	16.39898	21.79049	28.56995	19.17633	19.04823	26.26942
3759938.31	14.85797	19.04079	16.54722	17.50128	16.27050	30.23458	36.13929	23.06563	29.90204
3758938.31	14.34038	14.92472	11.06379	12.77768	22.68960	32.77335	35.19242	39.58521	40.52805
3757938.31	17.89373	21.51314	17.17783	11.14459	15.91007	22.47232	38.78477	40.13982	41.44057
3756938.31	18.23136	20.75485	21.33304	21.71265	16.56418	17.85994	26.74652	39.46108	53.06917
3755938.31	17.82618	23.55409	23.66529	24.60637	31.37797	29.35175	36.27987	44.69184	41.42373
3754938.31	18.16032	19.70081	21.93910	24.66809	27.03058	32.25714	41.45195	42.96566	48.36444
3753938.31	18.00258	20.09334	23.25974	25.95528	30.03509	35.30985	38.11037	41.90686	49.21734
3752938.31	19.38185	23.20112	25.40213	28.18277	31.60771	35.40484	40.18186	45.07539	51.25929
3751938.31	20.73301	19.35186	23.14450	24.12356	27.07769	31.29183	35.82928	41.12661	49.12267
3750938.31	15.56684	17.98400	24.02429	22.23692	24.77051	27.52127	31.07750	34.96290	37.97951
3749938.31	15.55623	15.56706	16.01318	19.44025	21.69365	23.32791	28.03976	30.37371	34.77838
3748938.31	15.70363	15.46492	16.25334	20.62835	19.37365	22.59966	26.50539	33.06112	41.69164
3747938.31	13.03957	14.97346	15.70588	17.03230	20.31921	23.85159	31.09131	39.81228	45.70729
3746938.31	13.07829	16.10358	18.17024	16.89970	21.93480	29.01581	36.13630	38.71628	40.86485
3745938.31	11.55863	15.14466	17.02800	22.01940	26.62564	29.51250	29.91129	33.15717	31.62293
3744938.31	13.68654	20.31638	19.77978	23.91906	23.71731	26.06741	28.85850	26.03878	33.26209
3743938.31	19.34076	20.47829	23.63339	22.10841	17.75204	23.67344	22.45532	27.44696	23.90000
3742938.31	17.79199	16.40663	17.37651	14.96603	15.35510	20.18892	23.23311	20.18593	21.80870
3741938.31	11.40390	8.85025	11.87012	10.08538	17.65585	14.78342	18.25900	18.35324	20.23506

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , PAREA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	18.16554	21.16976	21.38139	23.27814	30.08773	32.41279	32.11880	32.89936	25.41677
3766938.31	21.81406	19.78899	21.88527	23.90811	30.57441	34.28472	34.48796	37.21748	26.14004
3765938.31	24.86168	21.50847	25.78940	25.14514	30.76072	40.35988	43.05172	41.19324	26.93147
3764938.31	25.16718	28.22064	26.72378	29.53526	34.74902	44.25262	41.47457	38.99014	25.79473
3763938.31	17.06773	31.57695	29.54304	31.87699	36.17064	49.76246	41.81348	35.49908	23.44831
3762938.31	17.45167	20.54781	38.41111	37.75354	36.64621	49.98123	61.49537	59.61287	32.66566
3761938.31	27.33428	18.05553	33.14420	28.01198	43.18211	54.32508	73.06876	59.55221	42.14685
3760938.31	27.58887	26.47805	20.52859	31.64159	31.39522	45.99163	75.54254	75.67584	61.86800
3759938.31	25.69256	33.13383	26.50797	31.72532	34.76661	44.82553	70.87620	75.20433	58.14472
3758938.31	33.14971	33.22101	39.16964	34.06477	43.47812	50.79453	66.78114	65.33424	52.32688
3757938.31	43.64717	40.39449	45.30557	54.03550	49.22216	63.38150	72.39248	73.82110	64.08490
3756938.31	44.21306	52.22060	50.76047	61.56845	76.56003	70.82280	84.95107	85.68610	78.40572
3755938.31	51.61243	67.13729	64.79316	80.02889	84.54179	85.97444	89.57864	93.43912	91.57457
3754938.31	56.37338	60.14775	75.00851	82.41297	90.93582	94.38844	97.77390	106.15742	111.88039
3753938.31	55.65409	61.01881	69.51581	81.31315	91.71889	101.70511	117.39701	139.86731	152.58850
3752938.31	58.73371	68.98569	77.34299	83.72125	91.76401	109.46492	155.67887	251.54557	191.46141
3751938.31	54.78159	63.08679	75.05453	83.80802	88.79017	104.71187	145.84933	107.49608	120.87847
3750938.31	44.76350	51.00284	64.70948	77.63395	93.75795	100.63715	98.75000	93.91603	96.18504

3749938.31	42.89526	56.77415	76.58964	84.98306	92.78979	87.77807	88.46554	92.37864	98.66073
3748938.31	55.56212	56.67350	65.25804	55.25704	75.46936	92.88526	92.77696	93.64673	90.89188
3747938.31	49.56594	50.98106	39.23439	41.21099	81.06766	89.15753	85.04168	88.62682	83.75144
3746938.31	39.97380	50.24792	49.32602	58.91771	75.54254	80.22316	79.15596	84.06162	85.23451
3745938.31	40.55559	37.96574	40.60229	56.94695	69.01082	59.89065	76.41030	56.74835	74.27924
3744938.31	29.71679	28.13783	43.20173	53.67067	60.09383	53.55353	44.67090	62.89011	63.59351
3743938.31	25.95920	32.33463	42.24128	48.91283	56.25708	37.85250	51.72371	52.81554	58.68270
3742938.31	24.53423	32.94284	40.32816	44.09596	38.53600	46.15303	44.54149	47.07765	54.19341
3741938.31	27.25213	32.28942	38.50055	39.43692	31.78569	41.86237	39.87881	42.94804	49.51345

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , PAREA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	21.29159	20.89162	20.71314	24.15653	20.47997	16.87967	23.92746	15.49704	15.78828
3766938.31	16.15544	19.40712	18.18809	28.18277	21.17533	24.02464	25.55924	18.53828	17.36211
3765938.31	15.93580	20.88549	26.02921	32.51396	26.69724	29.29067	18.51381	20.90186	17.02522
3764938.31	17.32343	27.33599	36.41339	38.10145	30.52250	29.88334	21.91052	22.06216	23.10357
3763938.31	23.53972	30.86326	47.51932	33.10959	35.32396	29.81082	25.22239	25.18112	32.71081
3762938.31	35.98083	49.39321	48.36241	39.11068	32.10818	30.33917	27.53911	34.81178	25.09817
3761938.31	35.07257	47.71069	40.66450	43.64662	33.88250	31.03792	37.81115	30.18358	31.62663
3760938.31	49.67518	55.80499	49.17354	43.19452	43.39873	44.38827	35.40000	39.60507	34.36690
3759938.31	73.81754	76.14071	64.33144	55.83210	50.99528	43.28836	47.81596	39.24115	42.16776
3758938.31	70.38476	67.30591	67.73282	59.53278	56.58580	56.36508	52.12860	50.91747	43.14119
3757938.31	77.41131	74.83707	63.40128	65.96671	60.60666	67.91287	61.54192	50.15428	49.26897
3756938.31	85.63830	85.31104	78.11781	76.88895	78.91212	68.54610	64.81194	57.34033	51.55390
3755938.31	91.96898	88.65452	87.18547	86.43235	83.47533	78.47314	67.05746	59.73564	56.83935
3754938.31	110.20495	100.44504	92.64476	89.80754	85.70093	82.19782	70.85188	64.71851	57.27313
3753938.31	139.11832	129.13260	113.25942	94.55220	89.27696	82.96295	80.04562	67.38607	58.48954
3752938.31	149.61741	126.16636	107.98651	105.58400	97.49051	89.67204	86.19081	75.10464	57.90522
3751938.31	134.75858	123.38696	108.32044	96.04742	89.29348	90.80556	86.88702	82.99954	57.81369
3750938.31	102.85160	100.11984	94.13187	89.52923	87.70201	90.29131	88.46546	81.50478	57.45496
3749938.31	94.43216	91.68860	89.67630	87.12721	85.89186	80.77037	73.69450	65.12016	58.89245
3748938.31	90.28927	88.28049	86.72436	85.93260	82.06930	72.45571	67.95406	76.78707	51.76239
3747938.31	87.13607	86.14941	82.97914	79.42907	76.35273	67.59370	60.89981	56.21833	77.47549
3746938.31	84.02318	83.29302	77.99786	70.96940	64.50230	65.75529	56.82529	51.58084	49.33606
3745938.31	72.98966	73.36764	69.04638	64.99620	60.58731	54.52507	55.40459	49.30068	46.83760
3744938.31	62.28549	66.77171	60.00170	59.84769	55.77633	51.35032	45.85082	47.90488	43.47909
3743938.31	57.20717	58.41540	56.20801	53.01430	52.91234	49.20853	44.54940	39.77288	41.58614
3742938.31	50.80321	52.59059	50.44028	48.34191	58.28156	38.19961	39.85777	39.70724	35.22040
3741938.31	44.74846	44.71766	46.95919	54.01338	39.40550	34.07433	33.93051	48.31375	35.40902

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , PAREA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	17.15985	13.97455	17.53514	16.87501	7.11173	6.09011	5.21725	3.30836	2.87772
3766938.31	14.30994	19.32946	19.16996	10.82273	8.84324	3.41255	3.19622	3.45230	3.47090
3765938.31	21.58493	22.46820	8.81583	14.02927	8.56940	4.32940	3.67040	3.61111	5.58139
3764938.31	26.67307	17.81891	20.97004	18.52349	10.80036	9.33262	9.67578	10.53511	6.81587
3763938.31	21.15791	24.45715	21.25628	22.72001	20.72909	17.20611	16.36955	13.47887	10.28007
3762938.31	26.69153	24.58749	26.49844	25.59308	25.38944	23.22111	17.54166	16.88172	15.30170
3761938.31	28.07272	31.16093	31.55247	23.84117	22.63262	21.68062	22.44094	21.48409	19.66321
3760938.31	37.35502	37.13872	32.15767	28.60534	27.45071	27.29930	25.89127	24.88495	22.75488
3759938.31	42.65156	34.58934	34.88205	33.11134	31.31757	31.52487	28.63950	23.63447	23.91292
3758938.31	40.26235	38.12102	37.67240	37.87576	32.81275	30.93938	29.37663	25.70190	24.58287
3757938.31	43.24789	42.15001	35.80823	38.07111	32.69781	33.43015	32.03594	26.85672	24.00007
3756938.31	46.56693	41.35591	42.02184	37.87449	34.04887	31.42772	31.67177	29.71864	29.36643
3755938.31	49.58410	43.83788	42.77977	39.59295	37.72287	37.58206	33.41381	30.75092	27.69989
3754938.31	51.93052	46.05225	41.81315	38.42180	35.77820	33.28410	34.50041	32.03655	30.06091
3753938.31	52.99891	47.24200	42.54155	39.29734	36.39686	33.55928	34.33686	31.79907	29.61619
3752938.31	52.49034	49.17512	44.68945	40.39185	37.40276	34.23579	34.67166	31.96584	29.70165
3751938.31	51.17664	48.97196	44.66392	41.00207	36.65588	33.32299	31.56758	29.91445	27.54249
3750938.31	54.94104	49.82749	42.64359	38.78549	35.52258	33.93959	30.68158	32.08288	28.81284
3749938.31	71.21142	53.51118	39.81760	37.40472	35.63296	32.80206	31.49803	31.62555	30.97587
3748938.31	60.64437	60.83081	46.15960	38.56818	35.10509	32.35590	28.26846	27.72549	29.44657
3747938.31	50.69288	65.94614	45.45277	43.03358	35.45239	31.60555	30.82623	30.22458	32.88267
3746938.31	45.46089	61.56053	38.11150	33.58435	36.63045	34.10496	36.11727	34.98505	33.69799
3745938.31	43.18505	40.49965	55.64814	51.12284	42.96665	43.31125	35.79523	27.75825	28.40046
3744938.31	40.32745	37.72005	35.64816	34.79711	29.63432	29.26900	27.69547	24.68417	26.17683
3743938.31	39.14881	36.21187	35.26083	32.95331	44.52142	26.77488	23.56491	24.58506	23.59976
3742938.31	36.25476	35.87594	33.17781	31.55927	30.78260	39.85474	24.17846	24.81383	20.83897
3741938.31	31.48132	33.37700	34.04016	31.74948	29.43889	29.38698	27.66246	27.25191	22.57668

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , PAREA2 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	98.25368	98.62052	100.09165	99.41208	99.04920	100.54718	100.99008	102.51059	102.65604
3754534.43	99.11903	99.33011	100.96191	101.64975	101.57312	100.94551	102.35567	103.08336	104.30402
3754434.43	100.11347	101.13479	102.00867	102.75263	102.46066	103.30040	103.67300	104.62153	106.22571
3754334.43	100.09263	102.02686	103.01391	103.35508	104.69855	105.30473	106.64106	105.77197	107.78941
3754234.43	102.01803	101.56471	103.17387	105.10457	105.95155	106.86125	107.96115	108.47088	108.88561
3754134.43	101.60496	103.71210	104.25789	105.22308	108.08392	109.74839	110.24047	109.78555	111.06939
3754034.43	101.22713	104.35111	105.42101	106.87110	108.41842	110.07033	112.54894	112.09432	113.69673
3753934.43	101.60519	104.68503	105.94342	107.55831	107.86000	110.81376	113.07786	114.29295	115.74259
3753834.43	103.01907	104.68991	106.61742	108.32500	110.56900	111.87110	112.96428	115.60963	118.48161
3753734.43	104.93297	104.78731	107.18370	108.51906	111.79625	114.12019	114.83918	117.59037	119.27321
3753634.43	106.66822	107.84187	109.98905	109.91597	111.54974	114.64507	117.82291	120.24425	121.74051
3753534.43	106.61342	108.78409	110.69881	112.59147	115.21931	116.51895	117.81339	121.58089	125.44988
3753434.43	105.79600	108.28772	110.34525	113.22999	116.05343	118.32796	121.74270	123.70093	126.53906
3753334.43	105.72104	108.01343	110.65152	113.12463	115.18830	118.82739	122.86225	126.00113	129.62002
3753234.43	107.26676	110.01605	112.98450	114.87035	117.23387	119.76504	122.22509	125.11139	131.75907
3753134.43	109.10477	110.99482	112.11539	114.29502	117.97440	121.51563	126.03461	129.62130	133.62138
3753034.43	108.04828	110.45052	113.17030	115.84351	119.46759	123.40702	126.72460	131.01185	135.86434
3752934.43	109.36660	112.04192	115.07897	118.29801	121.62389	125.37087	129.63630	134.83146	139.98606
3752834.43	106.75605	109.56007	112.60490	115.95563	119.55009	123.85391	129.13323	135.31654	141.63327
3752734.43	109.02309	111.81014	114.93957	118.34463	122.46094	126.22995	129.87637	134.63913	140.40680
3752634.43	109.75407	111.81341	114.42426	117.48945	120.47529	124.90287	130.83085	135.27142	141.21164
3752534.43	107.78873	110.92417	113.63293	117.64734	122.00562	126.99798	131.96918	136.32546	143.45185
3752434.43	108.42270	111.63686	114.10665	117.17262	121.06867	123.44240	128.49957	130.92498	139.68412
3752334.43	106.00771	107.20623	109.74962	112.86259	116.87678	121.08017	128.08249	135.20414	142.83863
3752234.43	104.13098	106.75531	109.73566	113.56397	119.03170	122.89561	128.53381	134.35383	142.70029
3752134.43	104.55391	107.89459	111.52412	114.87381	118.89377	123.30471	130.17877	137.56828	144.58766
3752034.43	105.79549	108.85086	110.40857	113.58810	119.48297	125.89091	131.51240	137.32794	148.25041
3751934.43	104.58581	107.01714	112.17263	116.88307	121.53411	125.58213	132.84360	141.61171	148.84426
3751834.43	106.60401	110.28677	114.50966	118.32036	122.21567	128.64806	133.22946	140.84210	143.89097
3751734.43	109.48937	112.42032	115.87614	119.06701	125.00659	127.51863	132.10849	134.82715	132.43796
3751634.43	110.20916	111.96271	116.72748	120.24848	125.29286	123.65718	127.05130	127.48493	119.16568
3751534.43	110.23250	113.73195	120.66744	122.56935	121.54124	122.36762	122.59697	110.88571	107.06826
3751434.43	113.53628	117.79547	117.40763	112.97515	116.92242	114.42111	106.58988	103.60969	103.32086
3751334.43	113.32057	111.59536	110.80579	113.11980	114.75103	109.18678	101.59386	100.27219	102.19104
3751234.43	107.43711	107.85133	111.27988	109.87205	107.99118	100.66503	97.90808	100.30385	99.94403
3751134.43	105.64627	109.72117	110.06792	102.11861	98.63186	96.88489	98.80151	97.38540	98.57712
3751034.43	107.62136	107.12865	101.80724	96.11994	95.99445	96.14535	95.67159	97.32702	96.32941
3750934.43	100.37562	102.64121	94.77465	91.98917	93.48792	94.47619	95.82368	94.66637	96.34424

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , PAREA2 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	104.00914
3754534.43	105.85034
3754434.43	106.91171
3754334.43	108.17326
3754234.43	110.73776
3754134.43	111.37789
3754034.43	113.62079
3753934.43	116.53136
3753834.43	119.88134
3753734.43	121.59460
3753634.43	124.34342
3753534.43	127.37570
3753434.43	130.26742
3753334.43	132.55710
3753234.43	135.23111
3753134.43	137.62961
3753034.43	141.31805
3752934.43	146.37499
3752834.43	149.31750
3752734.43	147.97659
3752634.43	150.75033
3752534.43	150.19818
3752434.43	149.88087
3752334.43	148.77919
3752234.43	152.16850
3752134.43	154.37873
3752034.43	159.32595
3751934.43	150.71197
3751834.43	136.08954
3751734.43	125.49551
3751634.43	112.80925
3751534.43	106.85936
3751434.43	104.45432
3751334.43	102.22708
3751234.43	100.24953
3751134.43	99.09422
3751034.43	98.37119
3750934.43	98.13696

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - LST Assessment (1-HR Average) *** 12/06/12
*** NOx Emissions - 15 hour day *** 13:11:50
PAGE 46

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

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   *** THE   8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     PAREA1      , PAREA2      ,

                                 *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                      ** CONC OF NO2      IN MICROGRAMS/M**3                          **

   Y-COORD  |                                              X-COORD (METERS)
   (METERS) |     485549.47    485649.47    485749.47    485849.47
 - - -
```

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 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
♀ *** AERMOD - VERSION  12060 ***   *** WLC Construction Area - LST Assessment (1-HR Average)                 ***        12/06/12
                                  *** NOx Emissions - 15 hour day                                            ***        13:11:50
                                                                                                                        PAGE  50
 **MODELOPTS:  NonDFAULT CONC                                                ELEV
                         FASTALL                                                   OLM

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of          117 Informational Message(s)

 A Total of        26280 Hours Were Processed

 A Total of            0 Calm Hours Identified

 A Total of          117 Missing Hours Identified (  0.45 Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W530     114 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

    ************************************
    *** AERMOD Finishes Successfully ***
    ************************************
```

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 8.0.7
** Lakes Environmental Software Inc.
** Date: 12/19/2012
** File: C:\MBA\Highland Fairview REV3 - All Sources\AERMOD-REV3\LST-AERMOD-2017\LST_NOx_REV3_NR_REV1\LST_NOx_REV3_NR_REV1.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE World Logistics Center - Project-Related LST Assessment 2017
   TITLETWO NO2 (No Refrigeration)
   MODELOPT CONC  FASTALL OLM
   AVERTIME 1 ANNUAL
   URBANOPT 2000000
   POLLUTID NO2
   RUNORNOT RUN
** NO2 Conversion Options
   NO2STACK 0.1
   NO2EQUIL 0.9
   OZONEFIL C:\MBA\MorenoHighland\O3RIVR0507.dat PPB
   ERRORFIL LST_NOx_REV3_NR_REV1.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION PHASE1       AREAPOLY   485577.456  3755020.364      527.630
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT01
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.0986
** Elevated
** Vertical Dimension = 3.70
** SZINIT = 0.86
** Nodes = 2
** 487123.57, 3755422.68, 541.00, 3.70, 27.35
** 487123.57, 3755095.72, 532.00, 3.70, 27.35
** ----------------------------------------------------------------------
   LOCATION L0112749     VOLUME   487123.570 3755406.219 540.55
   LOCATION L0112750     VOLUME   487123.570 3755347.411 538.93
   LOCATION L0112751     VOLUME   487123.570 3755288.602 537.31
   LOCATION L0112752     VOLUME   487123.570 3755229.793 535.69
   LOCATION L0112753     VOLUME   487123.570 3755170.984 534.07
   LOCATION L0112754     VOLUME   487123.570 3755112.176 532.45
** End of LINE VOLUME Source ID = SEGMENT01
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT02
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.189
** Elevated
** Vertical Dimension = 3.70
** SZINIT = 0.86
** Nodes = 2
** 487126.15, 3755058.81, 532.00, 3.70, 30.03
** 487128.77, 3754444.85, 508.00, 3.70, 30.03
** ----------------------------------------------------------------------
   LOCATION L0112755     VOLUME   487126.220 3755042.351 531.36
   LOCATION L0112756     VOLUME   487126.496 3754977.791 528.83
   LOCATION L0112757     VOLUME   487126.772 3754913.230 526.31
   LOCATION L0112758     VOLUME   487127.048 3754848.670 523.79
   LOCATION L0112759     VOLUME   487127.324 3754784.110 521.26
   LOCATION L0112760     VOLUME   487127.600 3754719.550 518.74
   LOCATION L0112761     VOLUME   487127.876 3754654.990 516.21
   LOCATION L0112762     VOLUME   487128.151 3754590.429 513.69
   LOCATION L0112763     VOLUME   487128.427 3754525.869 511.17
   LOCATION L0112764     VOLUME   487128.703 3754461.309 508.64
** End of LINE VOLUME Source ID = SEGMENT02
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT03
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.207
** Elevated
** Vertical Dimension = 3.70
** SZINIT = 0.86
** Nodes = 4
** 487123.53, 3754444.85, 511.00, 3.70, 18.01
** 486186.84, 3754452.72, 516.00, 3.70, 18.01
** 486042.53, 3754366.14, 509.00, 3.70, 18.01
** 486008.42, 3754297.92, 511.00, 3.70, 18.01
```

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** ----------------------------------------------------------------------
   LOCATION L0111674     VOLUME   487113.771 3754444.931 507.75
   LOCATION L0111675     VOLUME   487075.047 3754445.256 511.34
   LOCATION L0111676     VOLUME   487036.323 3754445.582 512.10
   LOCATION L0111677     VOLUME   486997.599 3754445.907 512.15
   LOCATION L0111678     VOLUME   486958.875 3754446.233 513.24
   LOCATION L0111679     VOLUME   486920.150 3754446.558 514.00
   LOCATION L0111680     VOLUME   486881.426 3754446.884 514.76
   LOCATION L0111681     VOLUME   486842.702 3754447.209 515.93
   LOCATION L0111682     VOLUME   486803.978 3754447.534 515.40
   LOCATION L0111683     VOLUME   486765.253 3754447.860 516.13
   LOCATION L0111684     VOLUME   486726.529 3754448.185 515.70
   LOCATION L0111685     VOLUME   486687.805 3754448.511 514.26
   LOCATION L0111686     VOLUME   486649.081 3754448.836 514.26
   LOCATION L0111687     VOLUME   486610.357 3754449.161 514.89
   LOCATION L0111688     VOLUME   486571.632 3754449.487 515.30
   LOCATION L0111689     VOLUME   486532.908 3754449.812 514.65
   LOCATION L0111690     VOLUME   486494.184 3754450.138 515.02
   LOCATION L0111691     VOLUME   486455.460 3754450.463 514.53
   LOCATION L0111692     VOLUME   486416.735 3754450.788 513.36
   LOCATION L0111693     VOLUME   486378.011 3754451.114 513.37
   LOCATION L0111694     VOLUME   486339.287 3754451.439 514.07
   LOCATION L0111695     VOLUME   486300.563 3754451.765 514.99
   LOCATION L0111696     VOLUME   486261.839 3754452.090 516.27
   LOCATION L0111697     VOLUME   486223.114 3754452.416 516.77
   LOCATION L0111698     VOLUME   486184.739 3754451.459 514.93
   LOCATION L0111699     VOLUME   486151.532 3754431.535 512.54
   LOCATION L0111700     VOLUME   486118.325 3754411.611 510.16
   LOCATION L0111701     VOLUME   486085.119 3754391.687 509.33
   LOCATION L0111702     VOLUME   486051.912 3754371.763 509.00
   LOCATION L0111703     VOLUME   486030.106 3754341.280 509.29
   LOCATION L0111704     VOLUME   486012.788 3754306.643 509.94
** End of LINE VOLUME Source ID = SEGMENT03
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT04
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.019
** Elevated
** Vertical Dimension = 2.60
** SZINIT = 0.60
** Nodes = 3
** 486005.80, 3754303.17, 511.00, 2.60, 17.72
** 485997.93, 3753510.79, 496.00, 2.60, 17.72
** 486071.40, 3753390.09, 494.00, 2.60, 17.72
** ----------------------------------------------------------------------
   LOCATION L0111705     VOLUME   486005.704 3754293.411 510.63
   LOCATION L0111706     VOLUME   486005.326 3754255.321 509.54
   LOCATION L0111707     VOLUME   486004.948 3754217.231 507.64
   LOCATION L0111708     VOLUME   486004.569 3754179.142 507.85
   LOCATION L0111709     VOLUME   486004.191 3754141.052 508.00
   LOCATION L0111710     VOLUME   486003.812 3754102.962 506.84
   LOCATION L0111711     VOLUME   486003.434 3754064.872 506.32
   LOCATION L0111712     VOLUME   486003.056 3754026.782 505.20
   LOCATION L0111713     VOLUME   486002.677 3753988.692 504.96
   LOCATION L0111714     VOLUME   486002.299 3753950.603 504.05
   LOCATION L0111715     VOLUME   486001.921 3753912.513 503.42
   LOCATION L0111716     VOLUME   486001.542 3753874.423 502.15
   LOCATION L0111717     VOLUME   486001.164 3753836.333 500.88
   LOCATION L0111718     VOLUME   486000.785 3753798.243 499.60
   LOCATION L0111719     VOLUME   486000.407 3753760.153 499.65
   LOCATION L0111720     VOLUME   486000.029 3753722.064 501.86
   LOCATION L0111721     VOLUME   485999.650 3753683.974 501.59
   LOCATION L0111722     VOLUME   485999.272 3753645.884 499.01
   LOCATION L0111723     VOLUME   485998.894 3753607.794 496.47
   LOCATION L0111724     VOLUME   485998.515 3753569.704 495.96
   LOCATION L0111725     VOLUME   485998.137 3753531.614 496.53
   LOCATION L0111726     VOLUME   486006.906 3753496.041 495.32
   LOCATION L0111727     VOLUME   486026.712 3753463.503 492.84
   LOCATION L0111728     VOLUME   486046.518 3753430.965 491.43
   LOCATION L0111729     VOLUME   486066.323 3753398.427 492.30
** End of LINE VOLUME Source ID = SEGMENT04
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT05
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0228
** Elevated
** Vertical Dimension = 2.60
** SZINIT = 0.60
** Nodes = 4
** 486071.40, 3753390.09, 494.00, 2.60, 24.05
** 486147.48, 3753361.23, 495.00, 2.60, 24.05
** 486743.08, 3753353.36, 496.00, 2.60, 24.05
** 487118.28, 3753274.65, 490.00, 2.60, 24.05
** ----------------------------------------------------------------------
   LOCATION L0112765     VOLUME   486083.649 3753385.447 494.16
   LOCATION L0112766     VOLUME   486131.996 3753367.108 494.80
   LOCATION L0112767     VOLUME   486182.626 3753360.769 495.06
   LOCATION L0112768     VOLUME   486234.330 3753360.085 495.15
   LOCATION L0112769     VOLUME   486286.035 3753359.402 495.23
   LOCATION L0112770     VOLUME   486337.740 3753358.719 495.32
   LOCATION L0112771     VOLUME   486389.444 3753358.035 495.41
   LOCATION L0112772     VOLUME   486441.149 3753357.352 495.49
   LOCATION L0112773     VOLUME   486492.853 3753356.669 495.58
   LOCATION L0112774     VOLUME   486544.558 3753355.985 495.67
   LOCATION L0112775     VOLUME   486596.263 3753355.302 495.75
   LOCATION L0112776     VOLUME   486647.967 3753354.619 495.84
   LOCATION L0112777     VOLUME   486699.672 3753353.936 495.93
   LOCATION L0112778     VOLUME   486751.201 3753351.658 495.87
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   LOCATION L0112779     VOLUME   486801.808 3753341.041 495.06
   LOCATION L0112780     VOLUME   486852.415 3753330.424 494.25
   LOCATION L0112781     VOLUME   486903.023 3753319.807 493.44
   LOCATION L0112782     VOLUME   486953.630 3753309.190 492.63
   LOCATION L0112783     VOLUME   487004.238 3753298.573 491.82
   LOCATION L0112784     VOLUME   487054.845 3753287.956 491.01
   LOCATION L0112785     VOLUME   487105.453 3753277.340 490.21
** End of LINE VOLUME Source ID = SEGMENT05
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT06
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.0951
** Elevated
** Vertical Dimension = 3.40
** SZINIT = 0.79
** Nodes = 2
** 487123.53, 3754450.10, 512.00, 3.40, 29.19
** 487105.16, 3753287.77, 490.00, 3.40, 29.19
** ----------------------------------------------------------------------
   LOCATION L0112786     VOLUME   487123.266 3754433.639 511.69
   LOCATION L0112787     VOLUME   487122.275 3754370.893 510.50
   LOCATION L0112788     VOLUME   487121.283 3754308.148 509.31
   LOCATION L0112789     VOLUME   487120.292 3754245.403 508.13
   LOCATION L0112790     VOLUME   487119.300 3754182.658 506.94
   LOCATION L0112791     VOLUME   487118.309 3754119.913 505.75
   LOCATION L0112792     VOLUME   487117.317 3754057.168 504.56
   LOCATION L0112793     VOLUME   487116.326 3753994.422 503.38
   LOCATION L0112794     VOLUME   487115.334 3753931.677 502.19
   LOCATION L0112795     VOLUME   487114.343 3753868.932 501.00
   LOCATION L0112796     VOLUME   487113.351 3753806.187 499.81
   LOCATION L0112797     VOLUME   487112.360 3753743.442 498.62
   LOCATION L0112798     VOLUME   487111.369 3753680.697 497.44
   LOCATION L0112799     VOLUME   487110.377 3753617.951 496.25
   LOCATION L0112800     VOLUME   487109.386 3753555.206 495.06
   LOCATION L0112801     VOLUME   487108.394 3753492.461 493.87
   LOCATION L0112802     VOLUME   487107.403 3753429.716 492.69
   LOCATION L0112803     VOLUME   487106.411 3753366.971 491.50
   LOCATION L0112804     VOLUME   487105.420 3753304.226 490.31
** End of LINE VOLUME Source ID = SEGMENT06
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT07
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 487102.54, 3753300.89, 489.00, 1.00, 29.21
** 487105.16, 3752765.64, 483.00, 1.00, 29.21
** ----------------------------------------------------------------------
   LOCATION L0111770     VOLUME   487102.617 3753284.427 489.25
   LOCATION L0111771     VOLUME   487102.924 3753221.636 489.56
   LOCATION L0111772     VOLUME   487103.232 3753158.844 486.75
   LOCATION L0111773     VOLUME   487103.540 3753096.053 485.78
   LOCATION L0111774     VOLUME   487103.848 3753033.262 484.98
   LOCATION L0111775     VOLUME   487104.156 3752970.471 486.98
   LOCATION L0111776     VOLUME   487104.463 3752907.680 484.85
   LOCATION L0111777     VOLUME   487104.771 3752844.889 483.17
   LOCATION L0111778     VOLUME   487105.079 3752782.098 483.74
** End of LINE VOLUME Source ID = SEGMENT07
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT08
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.039
** Elevated
** Vertical Dimension = 2.30
** SZINIT = 0.53
** Nodes = 3
** 486074.02, 3753392.72, 494.00, 2.30, 18.01
** 485979.56, 3753190.69, 490.00, 2.30, 18.01
** 485959.38, 3752271.31, 509.00, 2.30, 18.01
** ----------------------------------------------------------------------
   LOCATION L0111779     VOLUME   486069.888 3753383.881 492.66
   LOCATION L0111780     VOLUME   486053.485 3753348.798 491.27
   LOCATION L0111781     VOLUME   486037.083 3753313.715 490.52
   LOCATION L0111782     VOLUME   486020.680 3753278.632 490.29
   LOCATION L0111783     VOLUME   486004.278 3753243.549 490.00
   LOCATION L0111784     VOLUME   485987.875 3753208.466 489.60
   LOCATION L0111785     VOLUME   485979.144 3753171.590 489.02
   LOCATION L0111786     VOLUME   485978.294 3753132.871 488.12
   LOCATION L0111787     VOLUME   485977.445 3753094.153 488.21
   LOCATION L0111788     VOLUME   485976.595 3753055.434 489.37
   LOCATION L0111789     VOLUME   485975.745 3753016.715 490.11
   LOCATION L0111790     VOLUME   485974.895 3752977.997 490.00
   LOCATION L0111791     VOLUME   485974.045 3752939.278 489.00
   LOCATION L0111792     VOLUME   485973.195 3752900.559 489.00
   LOCATION L0111793     VOLUME   485972.345 3752861.841 489.00
   LOCATION L0111794     VOLUME   485971.495 3752823.122 489.00
   LOCATION L0111795     VOLUME   485970.646 3752784.403 488.77
   LOCATION L0111796     VOLUME   485969.796 3752745.684 487.04
   LOCATION L0111797     VOLUME   485968.946 3752706.966 485.22
   LOCATION L0111798     VOLUME   485968.096 3752668.247 486.17
   LOCATION L0111799     VOLUME   485967.246 3752629.528 488.82
   LOCATION L0111800     VOLUME   485966.396 3752590.810 490.12
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   LOCATION L0111801     VOLUME   485965.546 3752552.091 495.23
   LOCATION L0111802     VOLUME   485964.696 3752513.372 496.37
   LOCATION L0111803     VOLUME   485963.846 3752474.654 496.10
   LOCATION L0111804     VOLUME   485962.997 3752435.935 496.42
   LOCATION L0111805     VOLUME   485962.147 3752397.216 498.83
   LOCATION L0111806     VOLUME   485961.297 3752358.498 500.09
   LOCATION L0111807     VOLUME   485960.447 3752319.779 500.68
   LOCATION L0111808     VOLUME   485959.597 3752281.060 501.95
** End of LINE VOLUME Source ID = SEGMENT08
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT11
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0114
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 485510.85, 3754275.79, 515.00, 1.00, 15.74
** 485509.55, 3753074.46, 494.00, 1.00, 15.74
** ---------------------------------------------------------------------
   LOCATION L0112805     VOLUME   485510.839 3754267.258 514.85
   LOCATION L0112806     VOLUME   485510.802 3754233.422 514.26
   LOCATION L0112807     VOLUME   485510.765 3754199.586 513.67
   LOCATION L0112808     VOLUME   485510.729 3754165.750 513.08
   LOCATION L0112809     VOLUME   485510.692 3754131.914 512.48
   LOCATION L0112810     VOLUME   485510.655 3754098.078 511.89
   LOCATION L0112811     VOLUME   485510.619 3754064.242 511.30
   LOCATION L0112812     VOLUME   485510.582 3754030.406 510.71
   LOCATION L0112813     VOLUME   485510.545 3753996.570 510.12
   LOCATION L0112814     VOLUME   485510.509 3753962.734 509.53
   LOCATION L0112815     VOLUME   485510.472 3753928.898 508.94
   LOCATION L0112816     VOLUME   485510.436 3753895.062 508.34
   LOCATION L0112817     VOLUME   485510.399 3753861.226 507.75
   LOCATION L0112818     VOLUME   485510.362 3753827.390 507.16
   LOCATION L0112819     VOLUME   485510.326 3753793.554 506.57
   LOCATION L0112820     VOLUME   485510.289 3753759.718 505.98
   LOCATION L0112821     VOLUME   485510.252 3753725.882 505.39
   LOCATION L0112822     VOLUME   485510.216 3753692.046 504.80
   LOCATION L0112823     VOLUME   485510.179 3753658.210 504.20
   LOCATION L0112824     VOLUME   485510.142 3753624.374 503.61
   LOCATION L0112825     VOLUME   485510.106 3753590.538 503.02
   LOCATION L0112826     VOLUME   485510.069 3753556.702 502.43
   LOCATION L0112827     VOLUME   485510.032 3753522.866 501.84
   LOCATION L0112828     VOLUME   485509.996 3753489.030 501.25
   LOCATION L0112829     VOLUME   485509.959 3753455.194 500.66
   LOCATION L0112830     VOLUME   485509.922 3753421.357 500.06
   LOCATION L0112831     VOLUME   485509.886 3753387.521 499.47
   LOCATION L0112832     VOLUME   485509.849 3753353.685 498.88
   LOCATION L0112833     VOLUME   485509.812 3753319.849 498.29
   LOCATION L0112834     VOLUME   485509.776 3753286.013 497.70
   LOCATION L0112835     VOLUME   485509.739 3753252.177 497.11
   LOCATION L0112836     VOLUME   485509.702 3753218.341 496.52
   LOCATION L0112837     VOLUME   485509.666 3753184.505 495.92
   LOCATION L0112838     VOLUME   485509.629 3753150.669 495.33
   LOCATION L0112839     VOLUME   485509.592 3753116.833 494.74
   LOCATION L0112840     VOLUME   485509.556 3753082.997 494.15
** End of LINE VOLUME Source ID = SEGMENT11
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT12
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0252
** Elevated
** Vertical Dimension = 4.00
** SZINIT = 0.93
** Nodes = 2
** 485533.45, 3755091.71, 532.00, 4.00, 15.63
** 485515.75, 3754268.39, 515.00, 4.00, 15.63
** ---------------------------------------------------------------------
   LOCATION L0112841     VOLUME   485533.265 3755083.180 531.82
   LOCATION L0112842     VOLUME   485532.543 3755049.586 531.13
   LOCATION L0112843     VOLUME   485531.821 3755015.992 530.44
   LOCATION L0112844     VOLUME   485531.099 3754982.399 529.74
   LOCATION L0112845     VOLUME   485530.377 3754948.805 529.05
   LOCATION L0112846     VOLUME   485529.654 3754915.211 528.36
   LOCATION L0112847     VOLUME   485528.932 3754881.617 527.66
   LOCATION L0112848     VOLUME   485528.210 3754848.023 526.97
   LOCATION L0112849     VOLUME   485527.488 3754814.429 526.27
   LOCATION L0112850     VOLUME   485526.766 3754780.835 525.58
   LOCATION L0112851     VOLUME   485526.044 3754747.241 524.89
   LOCATION L0112852     VOLUME   485525.321 3754713.647 524.19
   LOCATION L0112853     VOLUME   485524.599 3754680.053 523.50
   LOCATION L0112854     VOLUME   485523.877 3754646.460 522.81
   LOCATION L0112855     VOLUME   485523.155 3754612.866 522.11
   LOCATION L0112856     VOLUME   485522.433 3754579.272 521.42
   LOCATION L0112857     VOLUME   485521.711 3754545.678 520.73
   LOCATION L0112858     VOLUME   485520.988 3754512.084 520.03
   LOCATION L0112859     VOLUME   485520.266 3754478.490 519.34
   LOCATION L0112860     VOLUME   485519.544 3754444.896 518.64
   LOCATION L0112861     VOLUME   485518.822 3754411.302 517.95
   LOCATION L0112862     VOLUME   485518.100 3754377.708 517.26
   LOCATION L0112863     VOLUME   485517.378 3754344.114 516.56
   LOCATION L0112864     VOLUME   485516.655 3754310.520 515.87
   LOCATION L0112865     VOLUME   485515.933 3754276.927 515.18
** End of LINE VOLUME Source ID = SEGMENT12
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT14
** DESCRSRC
```

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** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 485503.72, 3755054.30, 532.00, 1.00, 23.83
** 486400.84, 3755050.67, 532.00, 1.00, 23.83
** ----------------------------------------------------------------------
   LOCATION L0111870     VOLUME   485516.820 3755054.250 529.90
   LOCATION L0111871     VOLUME   485568.051 3755054.043 528.58
   LOCATION L0111872     VOLUME   485619.281 3755053.835 530.77
   LOCATION L0111873     VOLUME   485670.512 3755053.628 532.50
   LOCATION L0111874     VOLUME   485721.742 3755053.421 534.25
   LOCATION L0111875     VOLUME   485772.972 3755053.213 531.14
   LOCATION L0111876     VOLUME   485824.203 3755053.006 529.49
   LOCATION L0111877     VOLUME   485875.433 3755052.798 529.85
   LOCATION L0111878     VOLUME   485926.663 3755052.591 530.93
   LOCATION L0111879     VOLUME   485977.894 3755052.384 529.69
   LOCATION L0111880     VOLUME   486029.124 3755052.176 529.39
   LOCATION L0111881     VOLUME   486080.355 3755051.969 529.54
   LOCATION L0111882     VOLUME   486131.585 3755051.761 529.54
   LOCATION L0111883     VOLUME   486182.815 3755051.554 530.26
   LOCATION L0111884     VOLUME   486234.046 3755051.346 527.40
   LOCATION L0111885     VOLUME   486285.276 3755051.139 527.00
   LOCATION L0111886     VOLUME   486336.506 3755050.932 526.50
   LOCATION L0111887     VOLUME   486387.737 3755050.724 527.33
** End of LINE VOLUME Source ID = SEGMENT14
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT15
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0338
** Elevated
** Vertical Dimension = 3.70
** SZINIT = 0.86
** Nodes = 2
** 486385.45, 3755051.87, 530.00, 3.70, 23.51
** 487119.32, 3755045.18, 533.00, 3.70, 23.51
** ----------------------------------------------------------------------
   LOCATION L0112866     VOLUME   486398.558 3755051.755 530.05
   LOCATION L0112867     VOLUME   486449.105 3755051.294 530.26
   LOCATION L0112868     VOLUME   486499.652 3755050.833 530.47
   LOCATION L0112869     VOLUME   486550.198 3755050.372 530.67
   LOCATION L0112870     VOLUME   486600.745 3755049.911 530.88
   LOCATION L0112871     VOLUME   486651.292 3755049.450 531.09
   LOCATION L0112872     VOLUME   486701.838 3755048.989 531.29
   LOCATION L0112873     VOLUME   486752.385 3755048.528 531.50
   LOCATION L0112874     VOLUME   486802.931 3755048.067 531.71
   LOCATION L0112875     VOLUME   486853.478 3755047.607 531.91
   LOCATION L0112876     VOLUME   486904.025 3755047.146 532.12
   LOCATION L0112877     VOLUME   486954.571 3755046.685 532.33
   LOCATION L0112878     VOLUME   487005.118 3755046.224 532.53
   LOCATION L0112879     VOLUME   487055.665 3755045.763 532.74
   LOCATION L0112880     VOLUME   487106.211 3755045.302 532.95
** End of LINE VOLUME Source ID = SEGMENT15
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT18
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 5
** 487138.06, 3755042.91, 533.00, 1.00, 23.38
** 487300.89, 3755033.99, 529.00, 1.00, 23.38
** 487535.10, 3754996.07, 529.00, 1.00, 23.38
** 487711.32, 3755000.53, 525.00, 1.00, 23.38
** 487907.61, 3754947.00, 526.00, 1.00, 23.38
** ----------------------------------------------------------------------
   LOCATION L0111903     VOLUME   487151.146 3755042.194 530.63
   LOCATION L0111904     VOLUME   487201.328 3755039.444 528.00
   LOCATION L0111905     VOLUME   487251.510 3755036.694 528.53
   LOCATION L0111906     VOLUME   487301.683 3755033.861 528.59
   LOCATION L0111907     VOLUME   487351.295 3755025.828 526.03
   LOCATION L0111908     VOLUME   487400.906 3755017.796 524.56
   LOCATION L0111909     VOLUME   487450.518 3755009.764 524.36
   LOCATION L0111910     VOLUME   487500.129 3755001.731 526.00
   LOCATION L0111911     VOLUME   487549.926 3754996.444 528.33
   LOCATION L0111912     VOLUME   487600.167 3754997.716 529.25
   LOCATION L0111913     VOLUME   487650.409 3754998.988 526.24
   LOCATION L0111914     VOLUME   487700.650 3755000.260 522.97
   LOCATION L0111915     VOLUME   487749.509 3754990.115 522.29
   LOCATION L0111916     VOLUME   487797.996 3754976.891 523.27
   LOCATION L0111917     VOLUME   487846.482 3754963.667 524.09
   LOCATION L0111918     VOLUME   487894.969 3754950.444 525.82
** End of LINE VOLUME Source ID = SEGMENT18
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT18A
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
```

```
** SZINIT = 0.23
** Nodes = 5
** 487908.51, 3754945.43, 526.00, 1.00, 24.10
** 488040.12, 3754869.59, 520.00, 1.00, 24.10
** 488173.95, 3754769.21, 522.00, 1.00, 24.10
** 488301.10, 3754733.52, 523.00, 1.00, 24.10
** 488497.39, 3754720.14, 526.00, 1.00, 24.10
** ---------------------------------------------------------------------
   LOCATION L0111919     VOLUME   487919.867 3754938.887 524.63
   LOCATION L0111920     VOLUME   487964.761 3754913.016 521.91
   LOCATION L0111921     VOLUME   488009.655 3754887.144 519.81
   LOCATION L0111922     VOLUME   488053.443 3754859.596 519.44
   LOCATION L0111923     VOLUME   488094.895 3754828.507 519.17
   LOCATION L0111924     VOLUME   488136.347 3754797.418 520.48
   LOCATION L0111925     VOLUME   488178.582 3754767.914 521.23
   LOCATION L0111926     VOLUME   488228.469 3754753.911 522.90
   LOCATION L0111927     VOLUME   488278.356 3754739.908 523.05
   LOCATION L0111928     VOLUME   488329.227 3754731.607 521.54
   LOCATION L0111929     VOLUME   488380.922 3754728.082 523.90
   LOCATION L0111930     VOLUME   488432.617 3754724.557 527.97
   LOCATION L0111931     VOLUME   488484.312 3754721.033 524.82
** End of LINE VOLUME Source ID = SEGMENT18A
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT19
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 6
** 487121.55, 3754448.99, 511.00, 1.00, 17.64
** 487583.28, 3754424.46, 510.00, 1.00, 17.64
** 487714.88, 3754428.92, 512.00, 1.00, 17.64
** 487795.18, 3754451.22, 513.00, 1.00, 17.64
** 488303.76, 3754442.30, 511.00, 1.00, 17.64
** 488433.13, 3754346.39, 506.00, 1.00, 17.64
** ---------------------------------------------------------------------
   LOCATION L0111932     VOLUME   487131.288 3754448.475 506.58
   LOCATION L0111933     VOLUME   487169.165 3754446.462 506.00
   LOCATION L0111934     VOLUME   487207.043 3754444.450 508.12
   LOCATION L0111935     VOLUME   487244.921 3754442.437 509.08
   LOCATION L0111936     VOLUME   487282.799 3754440.424 509.78
   LOCATION L0111937     VOLUME   487320.677 3754438.411 509.05
   LOCATION L0111938     VOLUME   487358.555 3754436.398 509.37
   LOCATION L0111939     VOLUME   487396.433 3754434.385 510.45
   LOCATION L0111940     VOLUME   487434.310 3754432.373 509.94
   LOCATION L0111941     VOLUME   487472.188 3754430.360 509.38
   LOCATION L0111942     VOLUME   487510.066 3754428.347 509.95
   LOCATION L0111943     VOLUME   487547.944 3754426.334 510.22
   LOCATION L0111944     VOLUME   487585.824 3754424.543 509.56
   LOCATION L0111945     VOLUME   487623.733 3754425.828 510.12
   LOCATION L0111946     VOLUME   487661.643 3754427.113 510.71
   LOCATION L0111947     VOLUME   487699.553 3754428.398 510.44
   LOCATION L0111948     VOLUME   487736.651 3754434.965 510.81
   LOCATION L0111949     VOLUME   487773.198 3754445.117 510.41
   LOCATION L0111950     VOLUME   487810.295 3754450.958 509.88
   LOCATION L0111951     VOLUME   487848.220 3754450.293 509.77
   LOCATION L0111952     VOLUME   487886.146 3754449.628 508.53
   LOCATION L0111953     VOLUME   487924.071 3754448.962 507.74
   LOCATION L0111954     VOLUME   487961.997 3754448.297 508.40
   LOCATION L0111955     VOLUME   487999.922 3754447.632 509.00
   LOCATION L0111956     VOLUME   488037.848 3754446.966 508.07
   LOCATION L0111957     VOLUME   488075.773 3754446.301 507.15
   LOCATION L0111958     VOLUME   488113.698 3754445.635 508.18
   LOCATION L0111959     VOLUME   488151.624 3754444.970 508.31
   LOCATION L0111960     VOLUME   488189.549 3754444.305 509.27
   LOCATION L0111961     VOLUME   488227.475 3754443.639 510.36
   LOCATION L0111962     VOLUME   488265.400 3754442.974 510.66
   LOCATION L0111963     VOLUME   488303.326 3754442.309 510.94
   LOCATION L0111964     VOLUME   488333.881 3754419.967 509.27
   LOCATION L0111965     VOLUME   488364.352 3754397.376 506.49
   LOCATION L0111966     VOLUME   488394.822 3754374.786 504.46
   LOCATION L0111967     VOLUME   488425.293 3754352.196 504.99
** End of LINE VOLUME Source ID = SEGMENT19
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT20
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 3
** 488428.67, 3754348.62, 506.00, 1.00, 18.04
** 488457.67, 3754308.47, 506.00, 1.00, 18.04
** 488457.67, 3753291.32, 483.00, 1.00, 18.04
** ---------------------------------------------------------------------
   LOCATION L0111968     VOLUME   488434.379 3754340.708 505.31
   LOCATION L0111969     VOLUME   488457.087 3754309.267 506.00
   LOCATION L0111970     VOLUME   488457.666 3754270.671 506.00
   LOCATION L0111971     VOLUME   488457.666 3754231.887 505.06
   LOCATION L0111972     VOLUME   488457.666 3754193.103 501.00
   LOCATION L0111973     VOLUME   488457.666 3754154.319 501.52
   LOCATION L0111974     VOLUME   488457.666 3754115.535 503.63
   LOCATION L0111975     VOLUME   488457.666 3754076.751 502.89
   LOCATION L0111976     VOLUME   488457.666 3754037.968 502.00
   LOCATION L0111977     VOLUME   488457.666 3753999.184 502.00
   LOCATION L0111978     VOLUME   488457.666 3753960.400 502.00
   LOCATION L0111979     VOLUME   488457.666 3753921.616 500.44
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   LOCATION L0111980     VOLUME   488457.666 3753882.832 498.43
   LOCATION L0111981     VOLUME   488457.666 3753844.049 497.13
   LOCATION L0111982     VOLUME   488457.666 3753805.265 496.84
   LOCATION L0111983     VOLUME   488457.666 3753766.481 496.00
   LOCATION L0111984     VOLUME   488457.666 3753727.697 495.26
   LOCATION L0111985     VOLUME   488457.666 3753688.913 493.93
   LOCATION L0111986     VOLUME   488457.666 3753650.130 491.01
   LOCATION L0111987     VOLUME   488457.666 3753611.346 488.38
   LOCATION L0111988     VOLUME   488457.666 3753572.562 488.00
   LOCATION L0111989     VOLUME   488457.666 3753533.778 488.00
   LOCATION L0111990     VOLUME   488457.666 3753494.994 488.00
   LOCATION L0111991     VOLUME   488457.666 3753456.211 487.21
   LOCATION L0111992     VOLUME   488457.666 3753417.427 485.91
   LOCATION L0111993     VOLUME   488457.666 3753378.643 485.38
   LOCATION L0111994     VOLUME   488457.666 3753339.859 483.99
   LOCATION L0111995     VOLUME   488457.666 3753301.075 482.04
** End of LINE VOLUME Source ID = SEGMENT20
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT21
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0224
** Elevated
** Vertical Dimension = 3.00
** SZINIT = 0.70
** Nodes = 2
** 487098.48, 3753294.03, 491.00, 3.00, 22.81
** 487762.08, 3753289.01, 485.00, 3.00, 22.81
** ---------------------------------------------------------------------
   LOCATION L0112881     VOLUME   487111.587 3753293.935 490.88
   LOCATION L0112882     VOLUME   487160.618 3753293.563 490.44
   LOCATION L0112883     VOLUME   487209.648 3753293.192 489.99
   LOCATION L0112884     VOLUME   487258.678 3753292.820 489.55
   LOCATION L0112885     VOLUME   487307.708 3753292.449 489.11
   LOCATION L0112886     VOLUME   487356.738 3753292.077 488.66
   LOCATION L0112887     VOLUME   487405.769 3753291.706 488.22
   LOCATION L0112888     VOLUME   487454.799 3753291.335 487.78
   LOCATION L0112889     VOLUME   487503.829 3753290.963 487.34
   LOCATION L0112890     VOLUME   487552.859 3753290.592 486.89
   LOCATION L0112891     VOLUME   487601.890 3753290.220 486.45
   LOCATION L0112892     VOLUME   487650.920 3753289.849 486.01
   LOCATION L0112893     VOLUME   487699.950 3753289.477 485.56
   LOCATION L0112894     VOLUME   487748.980 3753289.106 485.12
** End of LINE VOLUME Source ID = SEGMENT21
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT22
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0164
** Elevated
** Vertical Dimension = 3.00
** SZINIT = 0.70
** Nodes = 2
** 487752.03, 3753289.01, 485.00, 3.00, 24.24
** 488455.85, 3753289.01, 483.00, 3.00, 24.24
** ---------------------------------------------------------------------
   LOCATION L0112501     VOLUME   487765.135 3753289.007 484.00
   LOCATION L0112502     VOLUME   487817.259 3753289.007 485.27
   LOCATION L0112503     VOLUME   487869.383 3753289.007 483.15
   LOCATION L0112504     VOLUME   487921.507 3753289.007 482.97
   LOCATION L0112505     VOLUME   487973.631 3753289.007 484.84
   LOCATION L0112506     VOLUME   488025.755 3753289.007 485.63
   LOCATION L0112507     VOLUME   488077.879 3753289.007 485.37
   LOCATION L0112508     VOLUME   488130.002 3753289.007 485.63
   LOCATION L0112509     VOLUME   488182.126 3753289.007 485.63
   LOCATION L0112510     VOLUME   488234.250 3753289.007 486.33
   LOCATION L0112511     VOLUME   488286.374 3753289.007 484.87
   LOCATION L0112512     VOLUME   488338.498 3753289.007 484.37
   LOCATION L0112513     VOLUME   488390.622 3753289.007 484.55
   LOCATION L0112514     VOLUME   488442.746 3753289.007 483.27
** End of LINE VOLUME Source ID = SEGMENT22
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT23
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.000431
** Elevated
** Vertical Dimension = 3.70
** SZINIT = 0.86
** Nodes = 2
** 488445.80, 3753299.06, 484.00, 3.70, 18.10
** 488450.82, 3752851.63, 480.00, 3.70, 18.10
** ---------------------------------------------------------------------
   LOCATION L0112515     VOLUME   488445.906 3753289.307 481.64
   LOCATION L0112516     VOLUME   488446.343 3753250.405 481.00
   LOCATION L0112517     VOLUME   488446.780 3753211.503 480.05
   LOCATION L0112518     VOLUME   488447.217 3753172.601 479.00
   LOCATION L0112519     VOLUME   488447.654 3753133.700 478.46
   LOCATION L0112520     VOLUME   488448.091 3753094.798 478.00
   LOCATION L0112521     VOLUME   488448.528 3753055.896 477.00
   LOCATION L0112522     VOLUME   488448.966 3753016.994 477.00
   LOCATION L0112523     VOLUME   488449.403 3752978.092 477.73
   LOCATION L0112524     VOLUME   488449.840 3752939.190 478.97
   LOCATION L0112525     VOLUME   488450.277 3752900.289 478.00
   LOCATION L0112526     VOLUME   488450.714 3752861.387 478.00
** End of LINE VOLUME Source ID = SEGMENT23
** ---------------------------------------------------------------------
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** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT24
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0143
** Elevated
** Vertical Dimension = 2.60
** SZINIT = 0.60
** Nodes = 2
** 488450.82, 3753299.06, 483.00, 2.60, 23.53
** 489893.66, 3753294.03, 493.00, 2.60, 23.53
** ---------------------------------------------------------------------
   LOCATION L0112036     VOLUME   488463.928 3753299.016 481.83
   LOCATION L0112037     VOLUME   488514.522 3753298.839 480.92
   LOCATION L0112038     VOLUME   488565.116 3753298.663 482.30
   LOCATION L0112039     VOLUME   488615.709 3753298.487 484.06
   LOCATION L0112040     VOLUME   488666.303 3753298.310 483.24
   LOCATION L0112041     VOLUME   488716.897 3753298.134 482.04
   LOCATION L0112042     VOLUME   488767.490 3753297.958 482.14
   LOCATION L0112043     VOLUME   488818.084 3753297.782 481.14
   LOCATION L0112044     VOLUME   488868.678 3753297.605 482.05
   LOCATION L0112045     VOLUME   488919.271 3753297.429 483.39
   LOCATION L0112046     VOLUME   488969.865 3753297.253 485.90
   LOCATION L0112047     VOLUME   489020.459 3753297.076 484.22
   LOCATION L0112048     VOLUME   489071.052 3753296.900 484.83
   LOCATION L0112049     VOLUME   489121.646 3753296.724 484.90
   LOCATION L0112050     VOLUME   489172.240 3753296.548 486.48
   LOCATION L0112051     VOLUME   489222.833 3753296.371 491.61
   LOCATION L0112052     VOLUME   489273.427 3753296.195 494.43
   LOCATION L0112053     VOLUME   489324.020 3753296.019 490.50
   LOCATION L0112054     VOLUME   489374.614 3753295.842 489.14
   LOCATION L0112055     VOLUME   489425.208 3753295.666 490.32
   LOCATION L0112056     VOLUME   489475.801 3753295.490 490.16
   LOCATION L0112057     VOLUME   489526.395 3753295.314 490.47
   LOCATION L0112058     VOLUME   489576.989 3753295.137 493.03
   LOCATION L0112059     VOLUME   489627.582 3753294.961 493.36
   LOCATION L0112060     VOLUME   489678.176 3753294.785 495.58
   LOCATION L0112061     VOLUME   489728.770 3753294.608 496.83
   LOCATION L0112062     VOLUME   489779.363 3753294.432 493.43
   LOCATION L0112063     VOLUME   489829.957 3753294.256 489.16
   LOCATION L0112064     VOLUME   489880.551 3753294.080 491.63
** End of LINE VOLUME Source ID = SEGMENT24
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT25
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00396
** Elevated
** Vertical Dimension = 2.70
** SZINIT = 0.63
** Nodes = 3
** 489888.63, 3753289.01, 493.00, 2.70, 22.24
** 489959.01, 3753319.17, 494.00, 2.70, 22.24
** 490099.77, 3753444.85, 504.00, 2.70, 22.24
** ---------------------------------------------------------------------
   LOCATION L0112895     VOLUME   489900.674 3753294.169 493.17
   LOCATION L0112896     VOLUME   489944.622 3753313.004 493.80
   LOCATION L0112897     VOLUME   489983.000 3753340.589 495.70
   LOCATION L0112898     VOLUME   490018.666 3753372.434 498.24
   LOCATION L0112899     VOLUME   490054.332 3753404.279 500.77
   LOCATION L0112900     VOLUME   490089.999 3753436.124 503.31
** End of LINE VOLUME Source ID = SEGMENT25
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT26
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 489898.68, 3753289.01, 493.00, 1.00, 15.51
** 489903.71, 3752871.74, 482.00, 1.00, 15.51
** ---------------------------------------------------------------------
   LOCATION L0112071     VOLUME   489898.786 3753280.472 492.29
   LOCATION L0112072     VOLUME   489899.187 3753247.123 490.45
   LOCATION L0112073     VOLUME   489899.589 3753213.773 488.25
   LOCATION L0112074     VOLUME   489899.991 3753180.423 487.01
   LOCATION L0112075     VOLUME   489900.393 3753147.074 488.28
   LOCATION L0112076     VOLUME   489900.795 3753113.724 490.99
   LOCATION L0112077     VOLUME   489901.196 3753080.374 490.63
   LOCATION L0112078     VOLUME   489901.598 3753047.024 489.03
   LOCATION L0112079     VOLUME   489902.000 3753013.675 487.32
   LOCATION L0112080     VOLUME   489902.402 3752980.325 486.24
   LOCATION L0112081     VOLUME   489902.804 3752946.975 484.59
   LOCATION L0112082     VOLUME   489903.205 3752913.626 482.46
   LOCATION L0112083     VOLUME   489903.607 3752880.276 480.38
** End of LINE VOLUME Source ID = SEGMENT26
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT27
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
```

```
** SZINIT = 0.23
** Nodes = 2
** 489908.74, 3752866.71, 482.00, 1.00, 15.35
** 490255.62, 3752876.77, 483.00, 1.00, 15.35
** ---------------------------------------------------------------------
   LOCATION L0112084     VOLUME   489917.269 3752866.962 481.66
   LOCATION L0112085     VOLUME   489950.251 3752867.918 483.00
   LOCATION L0112086     VOLUME   489983.233 3752868.874 484.03
   LOCATION L0112087     VOLUME   490016.215 3752869.830 484.90
   LOCATION L0112088     VOLUME   490049.197 3752870.786 486.05
   LOCATION L0112089     VOLUME   490082.179 3752871.742 485.72
   LOCATION L0112090     VOLUME   490115.161 3752872.698 485.89
   LOCATION L0112091     VOLUME   490148.143 3752873.654 486.58
   LOCATION L0112092     VOLUME   490181.125 3752874.610 486.03
   LOCATION L0112093     VOLUME   490214.107 3752875.566 484.13
   LOCATION L0112094     VOLUME   490247.089 3752876.522 482.55
** End of LINE VOLUME Source ID = SEGMENT27
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT28
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 3
** 488445.80, 3752856.66, 479.00, 1.00, 15.60
** 489023.93, 3752886.82, 482.00, 1.00, 15.60
** 489903.71, 3752871.74, 482.00, 1.00, 15.60
** ---------------------------------------------------------------------
   LOCATION L0112095     VOLUME   488454.320 3752857.104 478.00
   LOCATION L0112096     VOLUME   488487.803 3752858.851 478.65
   LOCATION L0112097     VOLUME   488521.287 3752860.598 477.56
   LOCATION L0112098     VOLUME   488554.771 3752862.345 475.49
   LOCATION L0112099     VOLUME   488588.255 3752864.092 475.28
   LOCATION L0112100     VOLUME   488621.738 3752865.839 476.58
   LOCATION L0112101     VOLUME   488655.222 3752867.586 478.01
   LOCATION L0112102     VOLUME   488688.706 3752869.333 478.46
   LOCATION L0112103     VOLUME   488722.190 3752871.080 477.56
   LOCATION L0112104     VOLUME   488755.673 3752872.827 477.44
   LOCATION L0112105     VOLUME   488789.157 3752874.574 478.33
   LOCATION L0112106     VOLUME   488822.641 3752876.321 478.23
   LOCATION L0112107     VOLUME   488856.125 3752878.068 478.05
   LOCATION L0112108     VOLUME   488889.608 3752879.815 478.00
   LOCATION L0112109     VOLUME   488923.092 3752881.562 477.67
   LOCATION L0112110     VOLUME   488956.576 3752883.309 478.20
   LOCATION L0112111     VOLUME   488990.060 3752885.056 479.67
   LOCATION L0112112     VOLUME   489023.543 3752886.803 481.39
   LOCATION L0112113     VOLUME   489057.067 3752886.256 482.69
   LOCATION L0112114     VOLUME   489090.592 3752885.681 481.79
   LOCATION L0112115     VOLUME   489124.116 3752885.106 480.72
   LOCATION L0112116     VOLUME   489157.640 3752884.531 479.78
   LOCATION L0112117     VOLUME   489191.165 3752883.957 478.81
   LOCATION L0112118     VOLUME   489224.689 3752883.382 478.66
   LOCATION L0112119     VOLUME   489258.213 3752882.807 479.70
   LOCATION L0112120     VOLUME   489291.738 3752882.233 480.07
   LOCATION L0112121     VOLUME   489325.262 3752881.658 480.06
   LOCATION L0112122     VOLUME   489358.787 3752881.083 480.07
   LOCATION L0112123     VOLUME   489392.311 3752880.508 480.03
   LOCATION L0112124     VOLUME   489425.835 3752879.934 480.19
   LOCATION L0112125     VOLUME   489459.360 3752879.359 481.26
   LOCATION L0112126     VOLUME   489492.884 3752878.784 481.90
   LOCATION L0112127     VOLUME   489526.408 3752878.210 481.91
   LOCATION L0112128     VOLUME   489559.933 3752877.635 482.48
   LOCATION L0112129     VOLUME   489593.457 3752877.060 483.49
   LOCATION L0112130     VOLUME   489626.981 3752876.486 484.65
   LOCATION L0112131     VOLUME   489660.506 3752875.911 484.85
   LOCATION L0112132     VOLUME   489694.030 3752875.336 483.84
   LOCATION L0112133     VOLUME   489727.555 3752874.761 484.12
   LOCATION L0112134     VOLUME   489761.079 3752874.187 485.30
   LOCATION L0112135     VOLUME   489794.603 3752873.612 484.92
   LOCATION L0112136     VOLUME   489828.128 3752873.037 482.79
   LOCATION L0112137     VOLUME   489861.652 3752872.463 480.74
   LOCATION L0112138     VOLUME   489895.176 3752871.888 480.27
** End of LINE VOLUME Source ID = SEGMENT28
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT29
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.0442
** Elevated
** Vertical Dimension = 4.00
** SZINIT = 0.93
** Nodes = 2
** 488254.11, 3755298.30, 548.00, 4.00, 9.20
** 488465.26, 3754775.46, 527.00, 4.00, 9.20
** ---------------------------------------------------------------------
   LOCATION L0112901     VOLUME   488256.001 3755293.618 547.81
   LOCATION L0112902     VOLUME   488263.407 3755275.280 547.08
   LOCATION L0112903     VOLUME   488270.813 3755256.941 546.34
   LOCATION L0112904     VOLUME   488278.219 3755238.603 545.60
   LOCATION L0112905     VOLUME   488285.625 3755220.265 544.87
   LOCATION L0112906     VOLUME   488293.031 3755201.926 544.13
   LOCATION L0112907     VOLUME   488300.437 3755183.588 543.39
   LOCATION L0112908     VOLUME   488307.843 3755165.250 542.66
   LOCATION L0112909     VOLUME   488315.248 3755146.911 541.92
   LOCATION L0112910     VOLUME   488322.654 3755128.573 541.18
   LOCATION L0112911     VOLUME   488330.060 3755110.235 540.45
   LOCATION L0112912     VOLUME   488337.466 3755091.896 539.71
   LOCATION L0112913     VOLUME   488344.872 3755073.558 538.97
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   LOCATION L0112914     VOLUME   488352.278 3755055.220 538.24
   LOCATION L0112915     VOLUME   488359.684 3755036.881 537.50
   LOCATION L0112916     VOLUME   488367.089 3755018.543 536.76
   LOCATION L0112917     VOLUME   488374.495 3755000.205 536.03
   LOCATION L0112918     VOLUME   488381.901 3754981.866 535.29
   LOCATION L0112919     VOLUME   488389.307 3754963.528 534.55
   LOCATION L0112920     VOLUME   488396.713 3754945.190 533.82
   LOCATION L0112921     VOLUME   488404.119 3754926.851 533.08
   LOCATION L0112922     VOLUME   488411.525 3754908.513 532.34
   LOCATION L0112923     VOLUME   488418.930 3754890.175 531.61
   LOCATION L0112924     VOLUME   488426.336 3754871.837 530.87
   LOCATION L0112925     VOLUME   488433.742 3754853.498 530.13
   LOCATION L0112926     VOLUME   488441.148 3754835.160 529.40
   LOCATION L0112927     VOLUME   488448.554 3754816.822 528.66
   LOCATION L0112928     VOLUME   488455.960 3754798.483 527.92
   LOCATION L0112929     VOLUME   488463.366 3754780.145 527.19
** End of LINE VOLUME Source ID = SEGMENT29
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT30
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.17
** Elevated
** Vertical Dimension = 3.50
** SZINIT = 0.81
** Nodes = 4
** 488465.58, 3754780.49, 527.00, 3.50, 9.32
** 488732.03, 3754307.92, 516.00, 3.50, 9.32
** 488963.28, 3754116.89, 511.00, 3.50, 9.32
** 490099.45, 3753423.12, 503.00, 3.50, 9.32
** ----------------------------------------------------------------------
   LOCATION L0112930     VOLUME   488468.061 3754776.091 526.90
   LOCATION L0112931     VOLUME   488477.900 3754758.640 526.49
   LOCATION L0112932     VOLUME   488487.740 3754741.189 526.09
   LOCATION L0112933     VOLUME   488497.579 3754723.739 525.68
   LOCATION L0112934     VOLUME   488507.418 3754706.288 525.27
   LOCATION L0112935     VOLUME   488517.257 3754688.838 524.87
   LOCATION L0112936     VOLUME   488527.096 3754671.387 524.46
   LOCATION L0112937     VOLUME   488536.935 3754653.936 524.05
   LOCATION L0112938     VOLUME   488546.775 3754636.486 523.65
   LOCATION L0112939     VOLUME   488556.614 3754619.035 523.24
   LOCATION L0112940     VOLUME   488566.453 3754601.585 522.84
   LOCATION L0112941     VOLUME   488576.292 3754584.134 522.43
   LOCATION L0112942     VOLUME   488586.131 3754566.683 522.02
   LOCATION L0112943     VOLUME   488595.971 3754549.233 521.62
   LOCATION L0112944     VOLUME   488605.810 3754531.782 521.21
   LOCATION L0112945     VOLUME   488615.649 3754514.331 520.80
   LOCATION L0112946     VOLUME   488625.488 3754496.881 520.40
   LOCATION L0112947     VOLUME   488635.327 3754479.430 519.99
   LOCATION L0112948     VOLUME   488645.166 3754461.980 519.59
   LOCATION L0112949     VOLUME   488655.006 3754444.529 519.18
   LOCATION L0112950     VOLUME   488664.845 3754427.078 518.77
   LOCATION L0112951     VOLUME   488674.684 3754409.628 518.37
   LOCATION L0112952     VOLUME   488684.523 3754392.177 517.96
   LOCATION L0112953     VOLUME   488694.362 3754374.727 517.55
   LOCATION L0112954     VOLUME   488704.201 3754357.276 517.15
   LOCATION L0112955     VOLUME   488714.041 3754339.825 516.74
   LOCATION L0112956     VOLUME   488723.880 3754322.375 516.34
   LOCATION L0112957     VOLUME   488734.683 3754305.731 515.94
   LOCATION L0112958     VOLUME   488750.128 3754292.972 515.61
   LOCATION L0112959     VOLUME   488765.573 3754280.213 515.27
   LOCATION L0112960     VOLUME   488781.018 3754267.454 514.94
   LOCATION L0112961     VOLUME   488796.462 3754254.695 514.61
   LOCATION L0112962     VOLUME   488811.907 3754241.937 514.27
   LOCATION L0112963     VOLUME   488827.352 3754229.178 513.94
   LOCATION L0112964     VOLUME   488842.797 3754216.419 513.61
   LOCATION L0112965     VOLUME   488858.242 3754203.660 513.27
   LOCATION L0112966     VOLUME   488873.687 3754190.901 512.94
   LOCATION L0112967     VOLUME   488889.132 3754178.142 512.60
   LOCATION L0112968     VOLUME   488904.577 3754165.384 512.27
   LOCATION L0112969     VOLUME   488920.022 3754152.625 511.94
   LOCATION L0112970     VOLUME   488935.467 3754139.866 511.60
   LOCATION L0112971     VOLUME   488950.912 3754127.107 511.27
   LOCATION L0112972     VOLUME   488966.685 3754114.810 510.98
   LOCATION L0112973     VOLUME   488983.783 3754104.369 510.86
   LOCATION L0112974     VOLUME   489000.881 3754093.929 510.74
   LOCATION L0112975     VOLUME   489017.979 3754083.489 510.61
   LOCATION L0112976     VOLUME   489035.077 3754073.049 510.49
   LOCATION L0112977     VOLUME   489052.174 3754062.608 510.37
   LOCATION L0112978     VOLUME   489069.272 3754052.168 510.25
   LOCATION L0112979     VOLUME   489086.370 3754041.728 510.13
   LOCATION L0112980     VOLUME   489103.468 3754031.288 510.01
   LOCATION L0112981     VOLUME   489120.566 3754020.847 509.89
   LOCATION L0112982     VOLUME   489137.663 3754010.407 509.77
   LOCATION L0112983     VOLUME   489154.761 3753999.967 509.65
   LOCATION L0112984     VOLUME   489171.859 3753989.527 509.53
   LOCATION L0112985     VOLUME   489188.957 3753979.086 509.41
   LOCATION L0112986     VOLUME   489206.055 3753968.646 509.29
   LOCATION L0112987     VOLUME   489223.152 3753958.206 509.17
   LOCATION L0112988     VOLUME   489240.250 3753947.766 509.05
   LOCATION L0112989     VOLUME   489257.348 3753937.325 508.93
   LOCATION L0112990     VOLUME   489274.446 3753926.885 508.81
   LOCATION L0112991     VOLUME   489291.544 3753916.445 508.69
   LOCATION L0112992     VOLUME   489308.641 3753906.005 508.57
   LOCATION L0112993     VOLUME   489325.739 3753895.564 508.45
   LOCATION L0112994     VOLUME   489342.837 3753885.124 508.33
   LOCATION L0112995     VOLUME   489359.935 3753874.684 508.21
   LOCATION L0112996     VOLUME   489377.033 3753864.244 508.09
   LOCATION L0112997     VOLUME   489394.130 3753853.803 507.97
   LOCATION L0112998     VOLUME   489411.228 3753843.363 507.85
   LOCATION L0112999     VOLUME   489428.326 3753832.923 507.73
   LOCATION L0113000     VOLUME   489445.424 3753822.483 507.61
   LOCATION L0113001     VOLUME   489462.522 3753812.042 507.48
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   LOCATION L0113002     VOLUME   489479.619 3753801.602 507.36
   LOCATION L0113003     VOLUME   489496.717 3753791.162 507.24
   LOCATION L0113004     VOLUME   489513.815 3753780.722 507.12
   LOCATION L0113005     VOLUME   489530.913 3753770.281 507.00
   LOCATION L0113006     VOLUME   489548.011 3753759.841 506.88
   LOCATION L0113007     VOLUME   489565.108 3753749.401 506.76
   LOCATION L0113008     VOLUME   489582.206 3753738.961 506.64
   LOCATION L0113009     VOLUME   489599.304 3753728.520 506.52
   LOCATION L0113010     VOLUME   489616.402 3753718.080 506.40
   LOCATION L0113011     VOLUME   489633.500 3753707.640 506.28
   LOCATION L0113012     VOLUME   489650.597 3753697.200 506.16
   LOCATION L0113013     VOLUME   489667.695 3753686.759 506.04
   LOCATION L0113014     VOLUME   489684.793 3753676.319 505.92
   LOCATION L0113015     VOLUME   489701.891 3753665.879 505.80
   LOCATION L0113016     VOLUME   489718.988 3753655.439 505.68
   LOCATION L0113017     VOLUME   489736.086 3753644.998 505.56
   LOCATION L0113018     VOLUME   489753.184 3753634.558 505.44
   LOCATION L0113019     VOLUME   489770.282 3753624.118 505.32
   LOCATION L0113020     VOLUME   489787.380 3753613.678 505.20
   LOCATION L0113021     VOLUME   489804.477 3753603.238 505.08
   LOCATION L0113022     VOLUME   489821.575 3753592.797 504.96
   LOCATION L0113023     VOLUME   489838.673 3753582.357 504.84
   LOCATION L0113024     VOLUME   489855.771 3753571.917 504.72
   LOCATION L0113025     VOLUME   489872.869 3753561.477 504.60
   LOCATION L0113026     VOLUME   489889.966 3753551.036 504.48
   LOCATION L0113027     VOLUME   489907.064 3753540.596 504.35
   LOCATION L0113028     VOLUME   489924.162 3753530.156 504.23
   LOCATION L0113029     VOLUME   489941.260 3753519.716 504.11
   LOCATION L0113030     VOLUME   489958.358 3753509.275 503.99
   LOCATION L0113031     VOLUME   489975.455 3753498.835 503.87
   LOCATION L0113032     VOLUME   489992.553 3753488.395 503.75
   LOCATION L0113033     VOLUME   490009.651 3753477.955 503.63
   LOCATION L0113034     VOLUME   490026.749 3753467.514 503.51
   LOCATION L0113035     VOLUME   490043.847 3753457.074 503.39
   LOCATION L0113036     VOLUME   490060.944 3753446.634 503.27
   LOCATION L0113037     VOLUME   490078.042 3753436.194 503.15
   LOCATION L0113038     VOLUME   490095.140 3753425.753 503.03
** End of LINE VOLUME Source ID = SEGMENT30
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT31
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.0933
** Elevated
** Vertical Dimension = 3.00
** SZINIT = 0.70
** Nodes = 3
** 490099.77, 3753444.85, 504.00, 3.00, 9.38
** 490652.78, 3753118.08, 492.00, 3.00, 9.38
** 491195.72, 3752374.04, 463.00, 3.00, 9.38
** ----------------------------------------------------------------------
   LOCATION L0113039     VOLUME   490104.122 3753442.284 503.91
   LOCATION L0113040     VOLUME   490121.489 3753432.021 503.53
   LOCATION L0113041     VOLUME   490138.857 3753421.758 503.15
   LOCATION L0113042     VOLUME   490156.224 3753411.496 502.78
   LOCATION L0113043     VOLUME   490173.592 3753401.233 502.40
   LOCATION L0113044     VOLUME   490190.959 3753390.971 502.02
   LOCATION L0113045     VOLUME   490208.326 3753380.708 501.64
   LOCATION L0113046     VOLUME   490225.694 3753370.446 501.27
   LOCATION L0113047     VOLUME   490243.061 3753360.183 500.89
   LOCATION L0113048     VOLUME   490260.428 3753349.921 500.51
   LOCATION L0113049     VOLUME   490277.796 3753339.658 500.14
   LOCATION L0113050     VOLUME   490295.163 3753329.396 499.76
   LOCATION L0113051     VOLUME   490312.530 3753319.133 499.38
   LOCATION L0113052     VOLUME   490329.898 3753308.871 499.01
   LOCATION L0113053     VOLUME   490347.265 3753298.608 498.63
   LOCATION L0113054     VOLUME   490364.633 3753288.345 498.25
   LOCATION L0113055     VOLUME   490382.000 3753278.083 497.88
   LOCATION L0113056     VOLUME   490399.367 3753267.820 497.50
   LOCATION L0113057     VOLUME   490416.735 3753257.558 497.12
   LOCATION L0113058     VOLUME   490434.102 3753247.295 496.75
   LOCATION L0113059     VOLUME   490451.469 3753237.033 496.37
   LOCATION L0113060     VOLUME   490468.837 3753226.770 495.99
   LOCATION L0113061     VOLUME   490486.204 3753216.508 495.61
   LOCATION L0113062     VOLUME   490503.572 3753206.245 495.24
   LOCATION L0113063     VOLUME   490520.939 3753195.983 494.86
   LOCATION L0113064     VOLUME   490538.306 3753185.720 494.48
   LOCATION L0113065     VOLUME   490555.674 3753175.458 494.11
   LOCATION L0113066     VOLUME   490573.041 3753165.195 493.73
   LOCATION L0113067     VOLUME   490590.408 3753154.933 493.35
   LOCATION L0113068     VOLUME   490607.776 3753144.670 492.98
   LOCATION L0113069     VOLUME   490625.143 3753134.407 492.60
   LOCATION L0113070     VOLUME   490642.510 3753124.145 492.22
   LOCATION L0113071     VOLUME   490657.639 3753111.415 491.74
   LOCATION L0113072     VOLUME   490669.530 3753095.120 491.11
   LOCATION L0113073     VOLUME   490681.421 3753078.825 490.47
   LOCATION L0113074     VOLUME   490693.313 3753062.529 489.83
   LOCATION L0113075     VOLUME   490705.204 3753046.234 489.20
   LOCATION L0113076     VOLUME   490717.095 3753029.938 488.56
   LOCATION L0113077     VOLUME   490728.986 3753013.643 487.93
   LOCATION L0113078     VOLUME   490740.878 3752997.347 487.29
   LOCATION L0113079     VOLUME   490752.769 3752981.052 486.66
   LOCATION L0113080     VOLUME   490764.660 3752964.756 486.02
   LOCATION L0113081     VOLUME   490776.552 3752948.461 485.39
   LOCATION L0113082     VOLUME   490788.443 3752932.165 484.75
   LOCATION L0113083     VOLUME   490800.334 3752915.870 484.12
   LOCATION L0113084     VOLUME   490812.225 3752899.574 483.48
   LOCATION L0113085     VOLUME   490824.117 3752883.279 482.85
   LOCATION L0113086     VOLUME   490836.008 3752866.983 482.21
   LOCATION L0113087     VOLUME   490847.899 3752850.688 481.58
   LOCATION L0113088     VOLUME   490859.791 3752834.392 480.94
   LOCATION L0113089     VOLUME   490871.682 3752818.097 480.31
   LOCATION L0113090     VOLUME   490883.573 3752801.802 479.67
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   LOCATION L0113091     VOLUME   490895.464 3752785.506 479.04
   LOCATION L0113092     VOLUME   490907.356 3752769.211 478.40
   LOCATION L0113093     VOLUME   490919.247 3752752.915 477.77
   LOCATION L0113094     VOLUME   490931.138 3752736.620 477.13
   LOCATION L0113095     VOLUME   490943.030 3752720.324 476.50
   LOCATION L0113096     VOLUME   490954.921 3752704.029 475.86
   LOCATION L0113097     VOLUME   490966.812 3752687.733 475.23
   LOCATION L0113098     VOLUME   490978.703 3752671.438 474.59
   LOCATION L0113099     VOLUME   490990.595 3752655.142 473.96
   LOCATION L0113100     VOLUME   491002.486 3752638.847 473.32
   LOCATION L0113101     VOLUME   491014.377 3752622.551 472.69
   LOCATION L0113102     VOLUME   491026.269 3752606.256 472.05
   LOCATION L0113103     VOLUME   491038.160 3752589.960 471.42
   LOCATION L0113104     VOLUME   491050.051 3752573.665 470.78
   LOCATION L0113105     VOLUME   491061.942 3752557.370 470.15
   LOCATION L0113106     VOLUME   491073.834 3752541.074 469.51
   LOCATION L0113107     VOLUME   491085.725 3752524.779 468.88
   LOCATION L0113108     VOLUME   491097.616 3752508.483 468.24
   LOCATION L0113109     VOLUME   491109.508 3752492.188 467.60
   LOCATION L0113110     VOLUME   491121.399 3752475.892 466.97
   LOCATION L0113111     VOLUME   491133.290 3752459.597 466.33
   LOCATION L0113112     VOLUME   491145.181 3752443.301 465.70
   LOCATION L0113113     VOLUME   491157.073 3752427.006 465.06
   LOCATION L0113114     VOLUME   491168.964 3752410.710 464.43
   LOCATION L0113115     VOLUME   491180.855 3752394.415 463.79
   LOCATION L0113116     VOLUME   491192.747 3752378.119 463.16
** End of LINE VOLUME Source ID = SEGMENT31
** Source Parameters **
   SRCPARAM PHASE1        3.31E-07     3.900        11
   AREAVERT PHASE1       485577.456 3755020.364 485551.904 3753432.305
   AREAVERT PHASE1       485926.464 3753427.753 485923.846 3753288.414
   AREAVERT PHASE1       486892.734 3753283.394 487138.721 3753248.253
   AREAVERT PHASE1       488479.099 3753223.153 488464.038 3754287.423
   AREAVERT PHASE1       488107.608 3754729.196 487153.781 3754759.316
   AREAVERT PHASE1       487138.721 3755010.324
** LINE VOLUME Source ID = SEGMENT01
   SRCPARAM L0112749     0.0164333333      3.70     27.35      0.86
   SRCPARAM L0112750     0.0164333333      3.70     27.35      0.86
   SRCPARAM L0112751     0.0164333333      3.70     27.35      0.86
   SRCPARAM L0112752     0.0164333333      3.70     27.35      0.86
   SRCPARAM L0112753     0.0164333333      3.70     27.35      0.86
   SRCPARAM L0112754     0.0164333333      3.70     27.35      0.86
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT02
   SRCPARAM L0112755        0.0189      3.70     30.03      0.86
   SRCPARAM L0112756        0.0189      3.70     30.03      0.86
   SRCPARAM L0112757        0.0189      3.70     30.03      0.86
   SRCPARAM L0112758        0.0189      3.70     30.03      0.86
   SRCPARAM L0112759        0.0189      3.70     30.03      0.86
   SRCPARAM L0112760        0.0189      3.70     30.03      0.86
   SRCPARAM L0112761        0.0189      3.70     30.03      0.86
   SRCPARAM L0112762        0.0189      3.70     30.03      0.86
   SRCPARAM L0112763        0.0189      3.70     30.03      0.86
   SRCPARAM L0112764        0.0189      3.70     30.03      0.86
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT03
   SRCPARAM L0111674     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111675     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111676     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111677     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111678     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111679     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111680     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111681     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111682     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111683     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111684     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111685     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111686     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111687     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111688     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111689     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111690     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111691     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111692     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111693     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111694     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111695     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111696     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111697     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111698     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111699     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111700     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111701     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111702     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111703     0.0066774194      3.70     18.01      0.86
   SRCPARAM L0111704     0.0066774194      3.70     18.01      0.86
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT04
   SRCPARAM L0111705       0.00076      2.60     17.72      0.60
   SRCPARAM L0111706       0.00076      2.60     17.72      0.60
   SRCPARAM L0111707       0.00076      2.60     17.72      0.60
   SRCPARAM L0111708       0.00076      2.60     17.72      0.60
   SRCPARAM L0111709       0.00076      2.60     17.72      0.60
   SRCPARAM L0111710       0.00076      2.60     17.72      0.60
   SRCPARAM L0111711       0.00076      2.60     17.72      0.60
   SRCPARAM L0111712       0.00076      2.60     17.72      0.60
   SRCPARAM L0111713       0.00076      2.60     17.72      0.60
   SRCPARAM L0111714       0.00076      2.60     17.72      0.60
   SRCPARAM L0111715       0.00076      2.60     17.72      0.60
   SRCPARAM L0111716       0.00076      2.60     17.72      0.60
   SRCPARAM L0111717       0.00076      2.60     17.72      0.60
   SRCPARAM L0111718       0.00076      2.60     17.72      0.60
   SRCPARAM L0111719       0.00076      2.60     17.72      0.60
   SRCPARAM L0111720       0.00076      2.60     17.72      0.60
   SRCPARAM L0111721       0.00076      2.60     17.72      0.60
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   SRCPARAM L0111722       0.00076      2.60     17.72      0.60
   SRCPARAM L0111723       0.00076      2.60     17.72      0.60
   SRCPARAM L0111724       0.00076      2.60     17.72      0.60
   SRCPARAM L0111725       0.00076      2.60     17.72      0.60
   SRCPARAM L0111726       0.00076      2.60     17.72      0.60
   SRCPARAM L0111727       0.00076      2.60     17.72      0.60
   SRCPARAM L0111728       0.00076      2.60     17.72      0.60
   SRCPARAM L0111729       0.00076      2.60     17.72      0.60
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT05
   SRCPARAM L0112765     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112766     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112767     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112768     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112769     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112770     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112771     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112772     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112773     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112774     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112775     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112776     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112777     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112778     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112779     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112780     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112781     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112782     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112783     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112784     0.0010857143      2.60     24.05      0.60
   SRCPARAM L0112785     0.0010857143      2.60     24.05      0.60
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT06
   SRCPARAM L0112786     0.0050052632      3.40     29.19      0.79
   SRCPARAM L0112787     0.0050052632      3.40     29.19      0.79
   SRCPARAM L0112788     0.0050052632      3.40     29.19      0.79
   SRCPARAM L0112789     0.0050052632      3.40     29.19      0.79
   SRCPARAM L0112790     0.0050052632      3.40     29.19      0.79
   SRCPARAM L0112791     0.0050052632      3.40     29.19      0.79
   SRCPARAM L0112792     0.0050052632      3.40     29.19      0.79
   SRCPARAM L0112793     0.0050052632      3.40     29.19      0.79
   SRCPARAM L0112794     0.0050052632      3.40     29.19      0.79
   SRCPARAM L0112795     0.0050052632      3.40     29.19      0.79
   SRCPARAM L0112796     0.0050052632      3.40     29.19      0.79
   SRCPARAM L0112797     0.0050052632      3.40     29.19      0.79
   SRCPARAM L0112798     0.0050052632      3.40     29.19      0.79
   SRCPARAM L0112799     0.0050052632      3.40     29.19      0.79
   SRCPARAM L0112800     0.0050052632      3.40     29.19      0.79
   SRCPARAM L0112801     0.0050052632      3.40     29.19      0.79
   SRCPARAM L0112802     0.0050052632      3.40     29.19      0.79
   SRCPARAM L0112803     0.0050052632      3.40     29.19      0.79
   SRCPARAM L0112804     0.0050052632      3.40     29.19      0.79
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT07
   SRCPARAM L0111770           0.0      1.00     29.21      0.23
   SRCPARAM L0111771           0.0      1.00     29.21      0.23
   SRCPARAM L0111772           0.0      1.00     29.21      0.23
   SRCPARAM L0111773           0.0      1.00     29.21      0.23
   SRCPARAM L0111774           0.0      1.00     29.21      0.23
   SRCPARAM L0111775           0.0      1.00     29.21      0.23
   SRCPARAM L0111776           0.0      1.00     29.21      0.23
   SRCPARAM L0111777           0.0      1.00     29.21      0.23
   SRCPARAM L0111778           0.0      1.00     29.21      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT08
   SRCPARAM L0111779        0.0013      2.30     18.01      0.53
   SRCPARAM L0111780        0.0013      2.30     18.01      0.53
   SRCPARAM L0111781        0.0013      2.30     18.01      0.53
   SRCPARAM L0111782        0.0013      2.30     18.01      0.53
   SRCPARAM L0111783        0.0013      2.30     18.01      0.53
   SRCPARAM L0111784        0.0013      2.30     18.01      0.53
   SRCPARAM L0111785        0.0013      2.30     18.01      0.53
   SRCPARAM L0111786        0.0013      2.30     18.01      0.53
   SRCPARAM L0111787        0.0013      2.30     18.01      0.53
   SRCPARAM L0111788        0.0013      2.30     18.01      0.53
   SRCPARAM L0111789        0.0013      2.30     18.01      0.53
   SRCPARAM L0111790        0.0013      2.30     18.01      0.53
   SRCPARAM L0111791        0.0013      2.30     18.01      0.53
   SRCPARAM L0111792        0.0013      2.30     18.01      0.53
   SRCPARAM L0111793        0.0013      2.30     18.01      0.53
   SRCPARAM L0111794        0.0013      2.30     18.01      0.53
   SRCPARAM L0111795        0.0013      2.30     18.01      0.53
   SRCPARAM L0111796        0.0013      2.30     18.01      0.53
   SRCPARAM L0111797        0.0013      2.30     18.01      0.53
   SRCPARAM L0111798        0.0013      2.30     18.01      0.53
   SRCPARAM L0111799        0.0013      2.30     18.01      0.53
   SRCPARAM L0111800        0.0013      2.30     18.01      0.53
   SRCPARAM L0111801        0.0013      2.30     18.01      0.53
   SRCPARAM L0111802        0.0013      2.30     18.01      0.53
   SRCPARAM L0111803        0.0013      2.30     18.01      0.53
   SRCPARAM L0111804        0.0013      2.30     18.01      0.53
   SRCPARAM L0111805        0.0013      2.30     18.01      0.53
   SRCPARAM L0111806        0.0013      2.30     18.01      0.53
   SRCPARAM L0111807        0.0013      2.30     18.01      0.53
   SRCPARAM L0111808        0.0013      2.30     18.01      0.53
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT11
   SRCPARAM L0112805     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112806     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112807     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112808     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112809     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112810     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112811     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112812     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112813     0.0003166667      1.00     15.74      0.23
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   SRCPARAM L0112814     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112815     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112816     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112817     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112818     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112819     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112820     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112821     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112822     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112823     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112824     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112825     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112826     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112827     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112828     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112829     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112830     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112831     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112832     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112833     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112834     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112835     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112836     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112837     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112838     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112839     0.0003166667      1.00     15.74      0.23
   SRCPARAM L0112840     0.0003166667      1.00     15.74      0.23
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT12
   SRCPARAM L0112841      0.001008      4.00     15.63      0.93
   SRCPARAM L0112842      0.001008      4.00     15.63      0.93
   SRCPARAM L0112843      0.001008      4.00     15.63      0.93
   SRCPARAM L0112844      0.001008      4.00     15.63      0.93
   SRCPARAM L0112845      0.001008      4.00     15.63      0.93
   SRCPARAM L0112846      0.001008      4.00     15.63      0.93
   SRCPARAM L0112847      0.001008      4.00     15.63      0.93
   SRCPARAM L0112848      0.001008      4.00     15.63      0.93
   SRCPARAM L0112849      0.001008      4.00     15.63      0.93
   SRCPARAM L0112850      0.001008      4.00     15.63      0.93
   SRCPARAM L0112851      0.001008      4.00     15.63      0.93
   SRCPARAM L0112852      0.001008      4.00     15.63      0.93
   SRCPARAM L0112853      0.001008      4.00     15.63      0.93
   SRCPARAM L0112854      0.001008      4.00     15.63      0.93
   SRCPARAM L0112855      0.001008      4.00     15.63      0.93
   SRCPARAM L0112856      0.001008      4.00     15.63      0.93
   SRCPARAM L0112857      0.001008      4.00     15.63      0.93
   SRCPARAM L0112858      0.001008      4.00     15.63      0.93
   SRCPARAM L0112859      0.001008      4.00     15.63      0.93
   SRCPARAM L0112860      0.001008      4.00     15.63      0.93
   SRCPARAM L0112861      0.001008      4.00     15.63      0.93
   SRCPARAM L0112862      0.001008      4.00     15.63      0.93
   SRCPARAM L0112863      0.001008      4.00     15.63      0.93
   SRCPARAM L0112864      0.001008      4.00     15.63      0.93
   SRCPARAM L0112865      0.001008      4.00     15.63      0.93
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT14
   SRCPARAM L0111870           0.0      1.00     23.83      0.23
   SRCPARAM L0111871           0.0      1.00     23.83      0.23
   SRCPARAM L0111872           0.0      1.00     23.83      0.23
   SRCPARAM L0111873           0.0      1.00     23.83      0.23
   SRCPARAM L0111874           0.0      1.00     23.83      0.23
   SRCPARAM L0111875           0.0      1.00     23.83      0.23
   SRCPARAM L0111876           0.0      1.00     23.83      0.23
   SRCPARAM L0111877           0.0      1.00     23.83      0.23
   SRCPARAM L0111878           0.0      1.00     23.83      0.23
   SRCPARAM L0111879           0.0      1.00     23.83      0.23
   SRCPARAM L0111880           0.0      1.00     23.83      0.23
   SRCPARAM L0111881           0.0      1.00     23.83      0.23
   SRCPARAM L0111882           0.0      1.00     23.83      0.23
   SRCPARAM L0111883           0.0      1.00     23.83      0.23
   SRCPARAM L0111884           0.0      1.00     23.83      0.23
   SRCPARAM L0111885           0.0      1.00     23.83      0.23
   SRCPARAM L0111886           0.0      1.00     23.83      0.23
   SRCPARAM L0111887           0.0      1.00     23.83      0.23
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT15
   SRCPARAM L0112866     0.0022533333      3.70     23.51      0.86
   SRCPARAM L0112867     0.0022533333      3.70     23.51      0.86
   SRCPARAM L0112868     0.0022533333      3.70     23.51      0.86
   SRCPARAM L0112869     0.0022533333      3.70     23.51      0.86
   SRCPARAM L0112870     0.0022533333      3.70     23.51      0.86
   SRCPARAM L0112871     0.0022533333      3.70     23.51      0.86
   SRCPARAM L0112872     0.0022533333      3.70     23.51      0.86
   SRCPARAM L0112873     0.0022533333      3.70     23.51      0.86
   SRCPARAM L0112874     0.0022533333      3.70     23.51      0.86
   SRCPARAM L0112875     0.0022533333      3.70     23.51      0.86
   SRCPARAM L0112876     0.0022533333      3.70     23.51      0.86
   SRCPARAM L0112877     0.0022533333      3.70     23.51      0.86
   SRCPARAM L0112878     0.0022533333      3.70     23.51      0.86
   SRCPARAM L0112879     0.0022533333      3.70     23.51      0.86
   SRCPARAM L0112880     0.0022533333      3.70     23.51      0.86
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT18
   SRCPARAM L0111903           0.0      1.00     23.38      0.23
   SRCPARAM L0111904           0.0      1.00     23.38      0.23
   SRCPARAM L0111905           0.0      1.00     23.38      0.23
   SRCPARAM L0111906           0.0      1.00     23.38      0.23
   SRCPARAM L0111907           0.0      1.00     23.38      0.23
   SRCPARAM L0111908           0.0      1.00     23.38      0.23
   SRCPARAM L0111909           0.0      1.00     23.38      0.23
   SRCPARAM L0111910           0.0      1.00     23.38      0.23
   SRCPARAM L0111911           0.0      1.00     23.38      0.23
   SRCPARAM L0111912           0.0      1.00     23.38      0.23
   SRCPARAM L0111913           0.0      1.00     23.38      0.23
   SRCPARAM L0111914           0.0      1.00     23.38      0.23
   SRCPARAM L0111915           0.0      1.00     23.38      0.23
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   SRCPARAM L0111916          0.0      1.00     23.38      0.23
   SRCPARAM L0111917          0.0      1.00     23.38      0.23
   SRCPARAM L0111918          0.0      1.00     23.38      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT18A
   SRCPARAM L0111919          0.0      1.00     24.10      0.23
   SRCPARAM L0111920          0.0      1.00     24.10      0.23
   SRCPARAM L0111921          0.0      1.00     24.10      0.23
   SRCPARAM L0111922          0.0      1.00     24.10      0.23
   SRCPARAM L0111923          0.0      1.00     24.10      0.23
   SRCPARAM L0111924          0.0      1.00     24.10      0.23
   SRCPARAM L0111925          0.0      1.00     24.10      0.23
   SRCPARAM L0111926          0.0      1.00     24.10      0.23
   SRCPARAM L0111927          0.0      1.00     24.10      0.23
   SRCPARAM L0111928          0.0      1.00     24.10      0.23
   SRCPARAM L0111929          0.0      1.00     24.10      0.23
   SRCPARAM L0111930          0.0      1.00     24.10      0.23
   SRCPARAM L0111931          0.0      1.00     24.10      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT19
   SRCPARAM L0111932          0.0      1.00     17.64      0.23
   SRCPARAM L0111933          0.0      1.00     17.64      0.23
   SRCPARAM L0111934          0.0      1.00     17.64      0.23
   SRCPARAM L0111935          0.0      1.00     17.64      0.23
   SRCPARAM L0111936          0.0      1.00     17.64      0.23
   SRCPARAM L0111937          0.0      1.00     17.64      0.23
   SRCPARAM L0111938          0.0      1.00     17.64      0.23
   SRCPARAM L0111939          0.0      1.00     17.64      0.23
   SRCPARAM L0111940          0.0      1.00     17.64      0.23
   SRCPARAM L0111941          0.0      1.00     17.64      0.23
   SRCPARAM L0111942          0.0      1.00     17.64      0.23
   SRCPARAM L0111943          0.0      1.00     17.64      0.23
   SRCPARAM L0111944          0.0      1.00     17.64      0.23
   SRCPARAM L0111945          0.0      1.00     17.64      0.23
   SRCPARAM L0111946          0.0      1.00     17.64      0.23
   SRCPARAM L0111947          0.0      1.00     17.64      0.23
   SRCPARAM L0111948          0.0      1.00     17.64      0.23
   SRCPARAM L0111949          0.0      1.00     17.64      0.23
   SRCPARAM L0111950          0.0      1.00     17.64      0.23
   SRCPARAM L0111951          0.0      1.00     17.64      0.23
   SRCPARAM L0111952          0.0      1.00     17.64      0.23
   SRCPARAM L0111953          0.0      1.00     17.64      0.23
   SRCPARAM L0111954          0.0      1.00     17.64      0.23
   SRCPARAM L0111955          0.0      1.00     17.64      0.23
   SRCPARAM L0111956          0.0      1.00     17.64      0.23
   SRCPARAM L0111957          0.0      1.00     17.64      0.23
   SRCPARAM L0111958          0.0      1.00     17.64      0.23
   SRCPARAM L0111959          0.0      1.00     17.64      0.23
   SRCPARAM L0111960          0.0      1.00     17.64      0.23
   SRCPARAM L0111961          0.0      1.00     17.64      0.23
   SRCPARAM L0111962          0.0      1.00     17.64      0.23
   SRCPARAM L0111963          0.0      1.00     17.64      0.23
   SRCPARAM L0111964          0.0      1.00     17.64      0.23
   SRCPARAM L0111965          0.0      1.00     17.64      0.23
   SRCPARAM L0111966          0.0      1.00     17.64      0.23
   SRCPARAM L0111967          0.0      1.00     17.64      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT20
   SRCPARAM L0111968          0.0      1.00     18.04      0.23
   SRCPARAM L0111969          0.0      1.00     18.04      0.23
   SRCPARAM L0111970          0.0      1.00     18.04      0.23
   SRCPARAM L0111971          0.0      1.00     18.04      0.23
   SRCPARAM L0111972          0.0      1.00     18.04      0.23
   SRCPARAM L0111973          0.0      1.00     18.04      0.23
   SRCPARAM L0111974          0.0      1.00     18.04      0.23
   SRCPARAM L0111975          0.0      1.00     18.04      0.23
   SRCPARAM L0111976          0.0      1.00     18.04      0.23
   SRCPARAM L0111977          0.0      1.00     18.04      0.23
   SRCPARAM L0111978          0.0      1.00     18.04      0.23
   SRCPARAM L0111979          0.0      1.00     18.04      0.23
   SRCPARAM L0111980          0.0      1.00     18.04      0.23
   SRCPARAM L0111981          0.0      1.00     18.04      0.23
   SRCPARAM L0111982          0.0      1.00     18.04      0.23
   SRCPARAM L0111983          0.0      1.00     18.04      0.23
   SRCPARAM L0111984          0.0      1.00     18.04      0.23
   SRCPARAM L0111985          0.0      1.00     18.04      0.23
   SRCPARAM L0111986          0.0      1.00     18.04      0.23
   SRCPARAM L0111987          0.0      1.00     18.04      0.23
   SRCPARAM L0111988          0.0      1.00     18.04      0.23
   SRCPARAM L0111989          0.0      1.00     18.04      0.23
   SRCPARAM L0111990          0.0      1.00     18.04      0.23
   SRCPARAM L0111991          0.0      1.00     18.04      0.23
   SRCPARAM L0111992          0.0      1.00     18.04      0.23
   SRCPARAM L0111993          0.0      1.00     18.04      0.23
   SRCPARAM L0111994          0.0      1.00     18.04      0.23
   SRCPARAM L0111995          0.0      1.00     18.04      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT21
   SRCPARAM L0112881        0.0016      3.00     22.81      0.70
   SRCPARAM L0112882        0.0016      3.00     22.81      0.70
   SRCPARAM L0112883        0.0016      3.00     22.81      0.70
   SRCPARAM L0112884        0.0016      3.00     22.81      0.70
   SRCPARAM L0112885        0.0016      3.00     22.81      0.70
   SRCPARAM L0112886        0.0016      3.00     22.81      0.70
   SRCPARAM L0112887        0.0016      3.00     22.81      0.70
   SRCPARAM L0112888        0.0016      3.00     22.81      0.70
   SRCPARAM L0112889        0.0016      3.00     22.81      0.70
   SRCPARAM L0112890        0.0016      3.00     22.81      0.70
   SRCPARAM L0112891        0.0016      3.00     22.81      0.70
   SRCPARAM L0112892        0.0016      3.00     22.81      0.70
   SRCPARAM L0112893        0.0016      3.00     22.81      0.70
   SRCPARAM L0112894        0.0016      3.00     22.81      0.70
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT22
   SRCPARAM L0112501     0.0011714286      3.00     24.24      0.70
   SRCPARAM L0112502     0.0011714286      3.00     24.24      0.70
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   SRCPARAM L0112503     0.0011714286      3.00     24.24      0.70
   SRCPARAM L0112504     0.0011714286      3.00     24.24      0.70
   SRCPARAM L0112505     0.0011714286      3.00     24.24      0.70
   SRCPARAM L0112506     0.0011714286      3.00     24.24      0.70
   SRCPARAM L0112507     0.0011714286      3.00     24.24      0.70
   SRCPARAM L0112508     0.0011714286      3.00     24.24      0.70
   SRCPARAM L0112509     0.0011714286      3.00     24.24      0.70
   SRCPARAM L0112510     0.0011714286      3.00     24.24      0.70
   SRCPARAM L0112511     0.0011714286      3.00     24.24      0.70
   SRCPARAM L0112512     0.0011714286      3.00     24.24      0.70
   SRCPARAM L0112513     0.0011714286      3.00     24.24      0.70
   SRCPARAM L0112514     0.0011714286      3.00     24.24      0.70
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT23
   SRCPARAM L0112515     0.0000359167      3.70     18.10      0.86
   SRCPARAM L0112516     0.0000359167      3.70     18.10      0.86
   SRCPARAM L0112517     0.0000359167      3.70     18.10      0.86
   SRCPARAM L0112518     0.0000359167      3.70     18.10      0.86
   SRCPARAM L0112519     0.0000359167      3.70     18.10      0.86
   SRCPARAM L0112520     0.0000359167      3.70     18.10      0.86
   SRCPARAM L0112521     0.0000359167      3.70     18.10      0.86
   SRCPARAM L0112522     0.0000359167      3.70     18.10      0.86
   SRCPARAM L0112523     0.0000359167      3.70     18.10      0.86
   SRCPARAM L0112524     0.0000359167      3.70     18.10      0.86
   SRCPARAM L0112525     0.0000359167      3.70     18.10      0.86
   SRCPARAM L0112526     0.0000359167      3.70     18.10      0.86
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT24
   SRCPARAM L0112036     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112037     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112038     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112039     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112040     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112041     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112042     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112043     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112044     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112045     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112046     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112047     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112048     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112049     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112050     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112051     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112052     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112053     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112054     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112055     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112056     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112057     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112058     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112059     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112060     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112061     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112062     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112063     0.0004931034      2.60     23.53      0.60
   SRCPARAM L0112064     0.0004931034      2.60     23.53      0.60
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT25
   SRCPARAM L0112895       0.00066      2.70     22.24      0.63
   SRCPARAM L0112896       0.00066      2.70     22.24      0.63
   SRCPARAM L0112897       0.00066      2.70     22.24      0.63
   SRCPARAM L0112898       0.00066      2.70     22.24      0.63
   SRCPARAM L0112899       0.00066      2.70     22.24      0.63
   SRCPARAM L0112900       0.00066      2.70     22.24      0.63
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT26
   SRCPARAM L0112071           0.0      1.00     15.51      0.23
   SRCPARAM L0112072           0.0      1.00     15.51      0.23
   SRCPARAM L0112073           0.0      1.00     15.51      0.23
   SRCPARAM L0112074           0.0      1.00     15.51      0.23
   SRCPARAM L0112075           0.0      1.00     15.51      0.23
   SRCPARAM L0112076           0.0      1.00     15.51      0.23
   SRCPARAM L0112077           0.0      1.00     15.51      0.23
   SRCPARAM L0112078           0.0      1.00     15.51      0.23
   SRCPARAM L0112079           0.0      1.00     15.51      0.23
   SRCPARAM L0112080           0.0      1.00     15.51      0.23
   SRCPARAM L0112081           0.0      1.00     15.51      0.23
   SRCPARAM L0112082           0.0      1.00     15.51      0.23
   SRCPARAM L0112083           0.0      1.00     15.51      0.23
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT27
   SRCPARAM L0112084           0.0      1.00     15.35      0.23
   SRCPARAM L0112085           0.0      1.00     15.35      0.23
   SRCPARAM L0112086           0.0      1.00     15.35      0.23
   SRCPARAM L0112087           0.0      1.00     15.35      0.23
   SRCPARAM L0112088           0.0      1.00     15.35      0.23
   SRCPARAM L0112089           0.0      1.00     15.35      0.23
   SRCPARAM L0112090           0.0      1.00     15.35      0.23
   SRCPARAM L0112091           0.0      1.00     15.35      0.23
   SRCPARAM L0112092           0.0      1.00     15.35      0.23
   SRCPARAM L0112093           0.0      1.00     15.35      0.23
   SRCPARAM L0112094           0.0      1.00     15.35      0.23
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT28
   SRCPARAM L0112095           0.0      1.00     15.60      0.23
   SRCPARAM L0112096           0.0      1.00     15.60      0.23
   SRCPARAM L0112097           0.0      1.00     15.60      0.23
   SRCPARAM L0112098           0.0      1.00     15.60      0.23
   SRCPARAM L0112099           0.0      1.00     15.60      0.23
   SRCPARAM L0112100           0.0      1.00     15.60      0.23
   SRCPARAM L0112101           0.0      1.00     15.60      0.23
   SRCPARAM L0112102           0.0      1.00     15.60      0.23
   SRCPARAM L0112103           0.0      1.00     15.60      0.23
   SRCPARAM L0112104           0.0      1.00     15.60      0.23
   SRCPARAM L0112105           0.0      1.00     15.60      0.23
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   SRCPARAM L0112106          0.0      1.00     15.60      0.23
   SRCPARAM L0112107          0.0      1.00     15.60      0.23
   SRCPARAM L0112108          0.0      1.00     15.60      0.23
   SRCPARAM L0112109          0.0      1.00     15.60      0.23
   SRCPARAM L0112110          0.0      1.00     15.60      0.23
   SRCPARAM L0112111          0.0      1.00     15.60      0.23
   SRCPARAM L0112112          0.0      1.00     15.60      0.23
   SRCPARAM L0112113          0.0      1.00     15.60      0.23
   SRCPARAM L0112114          0.0      1.00     15.60      0.23
   SRCPARAM L0112115          0.0      1.00     15.60      0.23
   SRCPARAM L0112116          0.0      1.00     15.60      0.23
   SRCPARAM L0112117          0.0      1.00     15.60      0.23
   SRCPARAM L0112118          0.0      1.00     15.60      0.23
   SRCPARAM L0112119          0.0      1.00     15.60      0.23
   SRCPARAM L0112120          0.0      1.00     15.60      0.23
   SRCPARAM L0112121          0.0      1.00     15.60      0.23
   SRCPARAM L0112122          0.0      1.00     15.60      0.23
   SRCPARAM L0112123          0.0      1.00     15.60      0.23
   SRCPARAM L0112124          0.0      1.00     15.60      0.23
   SRCPARAM L0112125          0.0      1.00     15.60      0.23
   SRCPARAM L0112126          0.0      1.00     15.60      0.23
   SRCPARAM L0112127          0.0      1.00     15.60      0.23
   SRCPARAM L0112128          0.0      1.00     15.60      0.23
   SRCPARAM L0112129          0.0      1.00     15.60      0.23
   SRCPARAM L0112130          0.0      1.00     15.60      0.23
   SRCPARAM L0112131          0.0      1.00     15.60      0.23
   SRCPARAM L0112132          0.0      1.00     15.60      0.23
   SRCPARAM L0112133          0.0      1.00     15.60      0.23
   SRCPARAM L0112134          0.0      1.00     15.60      0.23
   SRCPARAM L0112135          0.0      1.00     15.60      0.23
   SRCPARAM L0112136          0.0      1.00     15.60      0.23
   SRCPARAM L0112137          0.0      1.00     15.60      0.23
   SRCPARAM L0112138          0.0      1.00     15.60      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT29
   SRCPARAM L0112901     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112902     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112903     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112904     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112905     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112906     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112907     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112908     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112909     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112910     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112911     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112912     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112913     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112914     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112915     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112916     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112917     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112918     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112919     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112920     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112921     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112922     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112923     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112924     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112925     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112926     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112927     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112928     0.0015241379      4.00      9.20      0.93
   SRCPARAM L0112929     0.0015241379      4.00      9.20      0.93
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT30
   SRCPARAM L0112930     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112931     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112932     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112933     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112934     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112935     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112936     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112937     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112938     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112939     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112940     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112941     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112942     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112943     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112944     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112945     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112946     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112947     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112948     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112949     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112950     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112951     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112952     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112953     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112954     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112955     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112956     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112957     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112958     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112959     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112960     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112961     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112962     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112963     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112964     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112965     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112966     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112967     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112968     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112969     0.001559633      3.50      9.32      0.81
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   SRCPARAM L0112970     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112971     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112972     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112973     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112974     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112975     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112976     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112977     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112978     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112979     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112980     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112981     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112982     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112983     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112984     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112985     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112986     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112987     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112988     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112989     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112990     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112991     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112992     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112993     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112994     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112995     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112996     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112997     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112998     0.001559633      3.50      9.32      0.81
   SRCPARAM L0112999     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113000     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113001     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113002     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113003     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113004     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113005     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113006     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113007     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113008     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113009     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113010     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113011     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113012     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113013     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113014     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113015     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113016     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113017     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113018     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113019     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113020     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113021     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113022     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113023     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113024     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113025     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113026     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113027     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113028     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113029     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113030     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113031     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113032     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113033     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113034     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113035     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113036     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113037     0.001559633      3.50      9.32      0.81
   SRCPARAM L0113038     0.001559633      3.50      9.32      0.81
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT31
   SRCPARAM L0113039     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113040     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113041     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113042     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113043     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113044     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113045     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113046     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113047     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113048     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113049     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113050     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113051     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113052     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113053     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113054     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113055     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113056     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113057     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113058     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113059     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113060     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113061     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113062     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113063     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113064     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113065     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113066     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113067     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113068     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113069     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113070     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113071     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113072     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113073     0.0011961538      3.00      9.38      0.70
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   SRCPARAM L0113074     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113075     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113076     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113077     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113078     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113079     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113080     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113081     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113082     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113083     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113084     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113085     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113086     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113087     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113088     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113089     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113090     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113091     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113092     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113093     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113094     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113095     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113096     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113097     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113098     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113099     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113100     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113101     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113102     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113103     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113104     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113105     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113106     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113107     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113108     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113109     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113110     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113111     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113112     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113113     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113114     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113115     0.0011961538      3.00      9.38      0.70
   SRCPARAM L0113116     0.0011961538      3.00      9.38      0.70
** ----------------------------------------------------------------------
   URBANSRC ALL
** OLM Source Groups for Combined Plumes
   OLMGROUP ALL
   SRCGROUP ALL
SO FINISHED
**
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** AERMOD Receptor Pathway
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**
**
RE STARTING
   INCLUDED LST_NOx_REV3_NR_REV1.rou
RE FINISHED
**
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** AERMOD Meteorology Pathway
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**
**
ME STARTING
   SURFFILE RIVR2.SFC
   PROFFILE RIVR2.PFL
   SURFDATA 00002 2005
   UAIRDATA 3190 2005
   PROFBASE 250.0 METERS
ME FINISHED
**
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** AERMOD Output Pathway
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**
**
OU STARTING
   RECTABLE ALLAVE 1ST 8TH
   RECTABLE 1 1ST 8TH
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST LST_NOX_REV3_NR_REV1.AD\01H1GALL.PLT 31
   PLOTFILE 1 ALL 8TH LST_NOX_REV3_NR_REV1.AD\01H8GALL.PLT 32
   PLOTFILE ANNUAL ALL LST_NOX_REV3_NR_REV1.AD\AN00GALL.PLT 33
   MXDYBYYR ALL LST_NOX_REV3_NR_REV1.AD\MXDYBYYR_ALL_NO2.DAT 34
   SUMMFILE LST_NOx_REV3_NR_REV1.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of          190 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 CO W361      31 COCARD:Multiyear PERIOD/ANNUAL values for NO2/SO2 require MULTYEAR Opt
 SO W320    1326  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1327  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1328  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1329  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1330  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
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SO W320    1441  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
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SO W320    1726  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1727  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1728  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
ME W530    1978 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

***********************************
*** SETUP Finishes Successfully ***
***********************************

♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017         ***        12/19/12
                                   *** NO2 (No Refrigeration)                                                ***        16:16:36
                                                                                                                        PAGE   1
**MODELOPTs:  NonDFAULT CONC                                          ELEV
                        FASTALL                                                  OLM

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - -
```

```
**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Ozone Limiting Method (OLM) Used for NO2 Conversion
           with an Equilibrium NO2/NOx Ratio of  0.900
        7. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTALL  - Use effective sigma-y to optimize meander for
                   POINT and VOLUME sources, and hybrid approach
                   to optimize AREA sources (formerly TOXICS option)

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates  1 Short Term Average(s) of:   1-HR
    and Calculates ANNUAL Averages

**This Run Includes:    698 Source(s);       1 Source Group(s); and    1705 Receptor(s)

**The Model Assumes A Pollutant Type of:  NO2

**Note that special processing requirements apply for the 1-hour NO2 NAAQS - check available guidance.
  Model will process user-specified ranks of daily maximum 1-hour values averaged across the number of years modeled.
  For annual NO2 NAAQS modeling, the multi-year maximum of PERIOD values can be simulated using the MULTYEAR keyword.
  Multi-year PERIOD and 1-hour values should only be done in a single model run using the MULTYEAR option with a
  single multi-year meteorological data file using STARTEND keyword.

**Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs External File(s) of Maximum Daily 1-hr Values by Year (MXDYBYYR Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   250.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =     13.5 MB of RAM.

**Detailed Error/Message File:   LST_NOx_REV3_NR_REV1.err
**File for Summary of Results:   LST_NOx_REV3_NR_REV1.sum
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017         ***        12/19/12
                                    *** NO2 (No Refrigeration)                                                ***        16:16:36
                                                                                                                         PAGE   2
**MODELOPTs:  NonDFAULT CONC                                                ELEV
                        FASTALL                                                     OLM
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112749	0	0.16433E-01	487123.6	3755406.2	540.5	3.70	27.35	0.86	YES	
L0112750	0	0.16433E-01	487123.6	3755347.4	538.9	3.70	27.35	0.86	YES	
L0112751	0	0.16433E-01	487123.6	3755288.6	537.3	3.70	27.35	0.86	YES	
L0112752	0	0.16433E-01	487123.6	3755229.8	535.7	3.70	27.35	0.86	YES	
L0112753	0	0.16433E-01	487123.6	3755171.0	534.1	3.70	27.35	0.86	YES	
L0112754	0	0.16433E-01	487123.6	3755112.2	532.4	3.70	27.35	0.86	YES	
L0112755	0	0.18900E-01	487126.2	3755042.4	531.4	3.70	30.03	0.86	YES	
L0112756	0	0.18900E-01	487126.5	3754977.8	528.8	3.70	30.03	0.86	YES	
L0112757	0	0.18900E-01	487126.8	3754913.2	526.3	3.70	30.03	0.86	YES	
L0112758	0	0.18900E-01	487127.0	3754848.7	523.8	3.70	30.03	0.86	YES	
L0112759	0	0.18900E-01	487127.3	3754784.1	521.3	3.70	30.03	0.86	YES	
L0112760	0	0.18900E-01	487127.6	3754719.5	518.7	3.70	30.03	0.86	YES	
L0112761	0	0.18900E-01	487127.9	3754655.0	516.2	3.70	30.03	0.86	YES	
L0112762	0	0.18900E-01	487128.2	3754590.4	513.7	3.70	30.03	0.86	YES	
L0112763	0	0.18900E-01	487128.4	3754525.9	511.2	3.70	30.03	0.86	YES	
L0112764	0	0.18900E-01	487128.7	3754461.3	508.6	3.70	30.03	0.86	YES	
L0111674	0	0.66774E-02	487113.8	3754444.9	507.8	3.70	18.01	0.86	YES	
L0111675	0	0.66774E-02	487075.0	3754445.3	511.3	3.70	18.01	0.86	YES	
L0111676	0	0.66774E-02	487036.3	3754445.6	512.1	3.70	18.01	0.86	YES	
L0111677	0	0.66774E-02	486997.6	3754445.9	512.1	3.70	18.01	0.86	YES	
L0111678	0	0.66774E-02	486958.9	3754446.2	513.2	3.70	18.01	0.86	YES	
L0111679	0	0.66774E-02	486920.1	3754446.6	514.0	3.70	18.01	0.86	YES	
L0111680	0	0.66774E-02	486881.4	3754446.9	514.8	3.70	18.01	0.86	YES	
L0111681	0	0.66774E-02	486842.7	3754447.2	515.9	3.70	18.01	0.86	YES	
L0111682	0	0.66774E-02	486804.0	3754447.5	515.4	3.70	18.01	0.86	YES	
L0111683	0	0.66774E-02	486765.3	3754447.9	516.1	3.70	18.01	0.86	YES	
L0111684	0	0.66774E-02	486726.5	3754448.2	515.7	3.70	18.01	0.86	YES	
L0111685	0	0.66774E-02	486687.8	3754448.5	514.3	3.70	18.01	0.86	YES	
L0111686	0	0.66774E-02	486649.1	3754448.8	514.3	3.70	18.01	0.86	YES	
L0111687	0	0.66774E-02	486610.4	3754449.2	514.9	3.70	18.01	0.86	YES	
L0111688	0	0.66774E-02	486571.6	3754449.5	515.3	3.70	18.01	0.86	YES	
L0111689	0	0.66774E-02	486532.9	3754449.8	514.6	3.70	18.01	0.86	YES	
L0111690	0	0.66774E-02	486494.2	3754450.1	515.0	3.70	18.01	0.86	YES	
L0111691	0	0.66774E-02	486455.5	3754450.5	514.5	3.70	18.01	0.86	YES	
L0111692	0	0.66774E-02	486416.7	3754450.8	513.4	3.70	18.01	0.86	YES	
L0111693	0	0.66774E-02	486378.0	3754451.1	513.4	3.70	18.01	0.86	YES	
L0111694	0	0.66774E-02	486339.3	3754451.4	514.1	3.70	18.01	0.86	YES	
L0111695	0	0.66774E-02	486300.6	3754451.8	515.0	3.70	18.01	0.86	YES	
L0111696	0	0.66774E-02	486261.8	3754452.1	516.3	3.70	18.01	0.86	YES	
L0111697	0	0.66774E-02	486223.1	3754452.4	516.8	3.70	18.01	0.86	YES	

**MODELOPTS: NonDEFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111698	0	0.66774E-02	486184.7	3754451.5	514.9	3.70	18.01	0.86	YES	
L0111699	0	0.66774E-02	486151.5	3754431.5	512.5	3.70	18.01	0.86	YES	
L0111700	0	0.66774E-02	486118.3	3754411.6	510.2	3.70	18.01	0.86	YES	
L0111701	0	0.66774E-02	486085.1	3754391.7	509.3	3.70	18.01	0.86	YES	
L0111702	0	0.66774E-02	486051.9	3754371.8	509.0	3.70	18.01	0.86	YES	
L0111703	0	0.66774E-02	486030.1	3754341.3	509.3	3.70	18.01	0.86	YES	
L0111704	0	0.66774E-02	486012.8	3754306.6	509.9	3.70	18.01	0.86	YES	
L0111705	0	0.76000E-03	486005.7	3754293.4	510.6	2.60	17.72	0.60	YES	
L0111706	0	0.76000E-03	486005.3	3754255.3	509.5	2.60	17.72	0.60	YES	
L0111707	0	0.76000E-03	486004.9	3754217.2	507.6	2.60	17.72	0.60	YES	
L0111708	0	0.76000E-03	486004.6	3754179.1	507.9	2.60	17.72	0.60	YES	
L0111709	0	0.76000E-03	486004.2	3754141.1	508.0	2.60	17.72	0.60	YES	
L0111710	0	0.76000E-03	486003.8	3754103.0	506.8	2.60	17.72	0.60	YES	
L0111711	0	0.76000E-03	486003.4	3754064.9	506.3	2.60	17.72	0.60	YES	
L0111712	0	0.76000E-03	486003.1	3754026.8	505.2	2.60	17.72	0.60	YES	
L0111713	0	0.76000E-03	486002.7	3753988.7	505.0	2.60	17.72	0.60	YES	
L0111714	0	0.76000E-03	486002.3	3753950.6	504.1	2.60	17.72	0.60	YES	
L0111715	0	0.76000E-03	486001.9	3753912.5	503.4	2.60	17.72	0.60	YES	
L0111716	0	0.76000E-03	486001.5	3753874.4	502.2	2.60	17.72	0.60	YES	
L0111717	0	0.76000E-03	486001.2	3753836.3	500.9	2.60	17.72	0.60	YES	
L0111718	0	0.76000E-03	486000.8	3753798.2	499.6	2.60	17.72	0.60	YES	
L0111719	0	0.76000E-03	486000.4	3753760.2	499.7	2.60	17.72	0.60	YES	
L0111720	0	0.76000E-03	486000.0	3753722.1	501.9	2.60	17.72	0.60	YES	
L0111721	0	0.76000E-03	485999.6	3753684.0	501.6	2.60	17.72	0.60	YES	
L0111722	0	0.76000E-03	485999.3	3753645.9	499.0	2.60	17.72	0.60	YES	
L0111723	0	0.76000E-03	485998.9	3753607.8	496.5	2.60	17.72	0.60	YES	
L0111724	0	0.76000E-03	485998.5	3753569.7	496.0	2.60	17.72	0.60	YES	
L0111725	0	0.76000E-03	485998.1	3753531.6	496.5	2.60	17.72	0.60	YES	
L0111726	0	0.76000E-03	486006.9	3753496.0	495.3	2.60	17.72	0.60	YES	
L0111727	0	0.76000E-03	486026.7	3753463.5	492.8	2.60	17.72	0.60	YES	
L0111728	0	0.76000E-03	486046.5	3753431.0	491.4	2.60	17.72	0.60	YES	
L0111729	0	0.76000E-03	486066.3	3753398.4	492.3	2.60	17.72	0.60	YES	
L0112765	0	0.10857E-02	486083.6	3753385.4	494.2	2.60	24.05	0.60	YES	
L0112766	0	0.10857E-02	486132.0	3753367.1	494.8	2.60	24.05	0.60	YES	
L0112767	0	0.10857E-02	486182.6	3753360.8	495.1	2.60	24.05	0.60	YES	
L0112768	0	0.10857E-02	486234.3	3753360.1	495.2	2.60	24.05	0.60	YES	
L0112769	0	0.10857E-02	486286.0	3753359.4	495.2	2.60	24.05	0.60	YES	
L0112770	0	0.10857E-02	486337.7	3753358.7	495.3	2.60	24.05	0.60	YES	
L0112771	0	0.10857E-02	486389.4	3753358.0	495.4	2.60	24.05	0.60	YES	
L0112772	0	0.10857E-02	486441.1	3753357.4	495.5	2.60	24.05	0.60	YES	

**MODELOPTS: NonDEFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112773	0	0.10857E-02	486492.9	3753356.7	495.6	2.60	24.05	0.60	YES	
L0112774	0	0.10857E-02	486544.6	3753356.0	495.7	2.60	24.05	0.60	YES	
L0112775	0	0.10857E-02	486596.3	3753355.3	495.8	2.60	24.05	0.60	YES	
L0112776	0	0.10857E-02	486648.0	3753354.6	495.8	2.60	24.05	0.60	YES	
L0112777	0	0.10857E-02	486699.7	3753353.9	495.9	2.60	24.05	0.60	YES	
L0112778	0	0.10857E-02	486751.2	3753351.7	495.9	2.60	24.05	0.60	YES	
L0112779	0	0.10857E-02	486801.8	3753341.0	495.1	2.60	24.05	0.60	YES	
L0112780	0	0.10857E-02	486852.4	3753330.4	494.2	2.60	24.05	0.60	YES	
L0112781	0	0.10857E-02	486903.0	3753319.8	493.4	2.60	24.05	0.60	YES	
L0112782	0	0.10857E-02	486953.6	3753309.2	492.6	2.60	24.05	0.60	YES	
L0112783	0	0.10857E-02	487004.2	3753298.6	491.8	2.60	24.05	0.60	YES	
L0112784	0	0.10857E-02	487054.8	3753288.0	491.0	2.60	24.05	0.60	YES	
L0112785	0	0.10857E-02	487105.5	3753277.3	490.2	2.60	24.05	0.60	YES	
L0112786	0	0.50053E-02	487123.3	3754433.6	511.7	3.40	29.19	0.79	YES	
L0112787	0	0.50053E-02	487122.3	3754370.9	510.5	3.40	29.19	0.79	YES	
L0112788	0	0.50053E-02	487121.3	3754308.1	509.3	3.40	29.19	0.79	YES	
L0112789	0	0.50053E-02	487120.3	3754245.4	508.1	3.40	29.19	0.79	YES	
L0112790	0	0.50053E-02	487119.3	3754182.7	506.9	3.40	29.19	0.79	YES	
L0112791	0	0.50053E-02	487118.3	3754119.9	505.8	3.40	29.19	0.79	YES	
L0112792	0	0.50053E-02	487117.3	3754057.2	504.6	3.40	29.19	0.79	YES	
L0112793	0	0.50053E-02	487116.3	3753994.4	503.4	3.40	29.19	0.79	YES	
L0112794	0	0.50053E-02	487115.3	3753931.7	502.2	3.40	29.19	0.79	YES	
L0112795	0	0.50053E-02	487114.3	3753868.9	501.0	3.40	29.19	0.79	YES	
L0112796	0	0.50053E-02	487113.4	3753806.2	499.8	3.40	29.19	0.79	YES	
L0112797	0	0.50053E-02	487112.4	3753743.4	498.6	3.40	29.19	0.79	YES	
L0112798	0	0.50053E-02	487111.4	3753680.7	497.4	3.40	29.19	0.79	YES	
L0112799	0	0.50053E-02	487110.4	3753618.0	496.2	3.40	29.19	0.79	YES	
L0112800	0	0.50053E-02	487109.4	3753555.2	495.1	3.40	29.19	0.79	YES	
L0112801	0	0.50053E-02	487108.4	3753492.5	493.9	3.40	29.19	0.79	YES	
L0112802	0	0.50053E-02	487107.4	3753429.7	492.7	3.40	29.19	0.79	YES	
L0112803	0	0.50053E-02	487106.4	3753367.0	491.5	3.40	29.19	0.79	YES	
L0112804	0	0.50053E-02	487105.4	3753304.2	490.3	3.40	29.19	0.79	YES	
L0111770	0	0.00000E+00	487102.6	3753284.4	489.2	1.00	29.21	0.23	YES	
L0111771	0	0.00000E+00	487102.9	3753221.6	489.6	1.00	29.21	0.23	YES	
L0111772	0	0.00000E+00	487103.2	3753158.8	486.8	1.00	29.21	0.23	YES	
L0111773	0	0.00000E+00	487103.5	3753096.1	485.8	1.00	29.21	0.23	YES	
L0111774	0	0.00000E+00	487103.8	3753033.3	485.0	1.00	29.21	0.23	YES	
L0111775	0	0.00000E+00	487104.2	3752970.5	487.0	1.00	29.21	0.23	YES	

L0111776	0	0.00000E+00	487104.5	3752907.7	484.9	1.00	29.21	0.23	YES
L0111777	0	0.00000E+00	487104.8	3752844.9	483.2	1.00	29.21	0.23	YES

**MODELOPTs: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111778	0	0.00000E+00	487105.1	3752782.1	483.7	1.00	29.21	0.23	YES	
L0111779	0	0.13000E-02	486069.9	3753383.9	492.7	2.30	18.01	0.53	YES	
L0111780	0	0.13000E-02	486053.5	3753348.8	491.3	2.30	18.01	0.53	YES	
L0111781	0	0.13000E-02	486037.1	3753313.7	490.5	2.30	18.01	0.53	YES	
L0111782	0	0.13000E-02	486020.7	3753278.6	490.3	2.30	18.01	0.53	YES	
L0111783	0	0.13000E-02	486004.3	3753243.5	490.0	2.30	18.01	0.53	YES	
L0111784	0	0.13000E-02	485987.9	3753208.5	489.6	2.30	18.01	0.53	YES	
L0111785	0	0.13000E-02	485979.1	3753171.6	489.0	2.30	18.01	0.53	YES	
L0111786	0	0.13000E-02	485978.3	3753132.9	488.1	2.30	18.01	0.53	YES	
L0111787	0	0.13000E-02	485977.4	3753094.2	488.2	2.30	18.01	0.53	YES	
L0111788	0	0.13000E-02	485976.6	3753055.4	489.4	2.30	18.01	0.53	YES	
L0111789	0	0.13000E-02	485975.7	3753016.7	490.1	2.30	18.01	0.53	YES	
L0111790	0	0.13000E-02	485974.9	3752978.0	490.0	2.30	18.01	0.53	YES	
L0111791	0	0.13000E-02	485974.0	3752939.3	489.0	2.30	18.01	0.53	YES	
L0111792	0	0.13000E-02	485973.2	3752900.6	489.0	2.30	18.01	0.53	YES	
L0111793	0	0.13000E-02	485972.3	3752861.8	489.0	2.30	18.01	0.53	YES	
L0111794	0	0.13000E-02	485971.5	3752823.1	489.0	2.30	18.01	0.53	YES	
L0111795	0	0.13000E-02	485970.6	3752784.4	488.8	2.30	18.01	0.53	YES	
L0111796	0	0.13000E-02	485969.8	3752745.7	487.0	2.30	18.01	0.53	YES	
L0111797	0	0.13000E-02	485968.9	3752707.0	485.2	2.30	18.01	0.53	YES	
L0111798	0	0.13000E-02	485968.1	3752668.2	486.2	2.30	18.01	0.53	YES	
L0111799	0	0.13000E-02	485967.2	3752629.5	488.8	2.30	18.01	0.53	YES	
L0111800	0	0.13000E-02	485966.4	3752590.8	490.1	2.30	18.01	0.53	YES	
L0111801	0	0.13000E-02	485965.5	3752552.1	495.2	2.30	18.01	0.53	YES	
L0111802	0	0.13000E-02	485964.7	3752513.4	496.4	2.30	18.01	0.53	YES	
L0111803	0	0.13000E-02	485963.8	3752474.7	496.1	2.30	18.01	0.53	YES	
L0111804	0	0.13000E-02	485963.0	3752435.9	496.4	2.30	18.01	0.53	YES	
L0111805	0	0.13000E-02	485962.1	3752397.2	498.8	2.30	18.01	0.53	YES	
L0111806	0	0.13000E-02	485961.3	3752358.5	500.1	2.30	18.01	0.53	YES	
L0111807	0	0.13000E-02	485960.4	3752319.8	500.7	2.30	18.01	0.53	YES	
L0111808	0	0.13000E-02	485959.6	3752281.1	501.9	2.30	18.01	0.53	YES	
L0112805	0	0.31667E-03	485510.8	3754267.3	514.8	1.00	15.74	0.23	YES	
L0112806	0	0.31667E-03	485510.8	3754233.4	514.3	1.00	15.74	0.23	YES	
L0112807	0	0.31667E-03	485510.8	3754199.6	513.7	1.00	15.74	0.23	YES	
L0112808	0	0.31667E-03	485510.7	3754165.8	513.1	1.00	15.74	0.23	YES	
L0112809	0	0.31667E-03	485510.7	3754131.9	512.5	1.00	15.74	0.23	YES	
L0112810	0	0.31667E-03	485510.7	3754098.1	511.9	1.00	15.74	0.23	YES	
L0112811	0	0.31667E-03	485510.6	3754064.2	511.3	1.00	15.74	0.23	YES	
L0112812	0	0.31667E-03	485510.6	3754030.4	510.7	1.00	15.74	0.23	YES	
L0112813	0	0.31667E-03	485510.5	3753996.6	510.1	1.00	15.74	0.23	YES	

**MODELOPTs: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112814	0	0.31667E-03	485510.5	3753962.7	509.5	1.00	15.74	0.23	YES	
L0112815	0	0.31667E-03	485510.5	3753928.9	508.9	1.00	15.74	0.23	YES	
L0112816	0	0.31667E-03	485510.4	3753895.1	508.3	1.00	15.74	0.23	YES	
L0112817	0	0.31667E-03	485510.4	3753861.2	507.8	1.00	15.74	0.23	YES	
L0112818	0	0.31667E-03	485510.4	3753827.4	507.2	1.00	15.74	0.23	YES	
L0112819	0	0.31667E-03	485510.3	3753793.6	506.6	1.00	15.74	0.23	YES	
L0112820	0	0.31667E-03	485510.3	3753759.7	506.0	1.00	15.74	0.23	YES	
L0112821	0	0.31667E-03	485510.3	3753725.9	505.4	1.00	15.74	0.23	YES	
L0112822	0	0.31667E-03	485510.2	3753692.0	504.8	1.00	15.74	0.23	YES	
L0112823	0	0.31667E-03	485510.2	3753658.2	504.2	1.00	15.74	0.23	YES	
L0112824	0	0.31667E-03	485510.1	3753624.4	503.6	1.00	15.74	0.23	YES	
L0112825	0	0.31667E-03	485510.1	3753590.5	503.0	1.00	15.74	0.23	YES	
L0112826	0	0.31667E-03	485510.1	3753556.7	502.4	1.00	15.74	0.23	YES	
L0112827	0	0.31667E-03	485510.0	3753522.9	501.8	1.00	15.74	0.23	YES	
L0112828	0	0.31667E-03	485510.0	3753489.0	501.2	1.00	15.74	0.23	YES	
L0112829	0	0.31667E-03	485510.0	3753455.2	500.7	1.00	15.74	0.23	YES	
L0112830	0	0.31667E-03	485509.9	3753421.4	500.1	1.00	15.74	0.23	YES	
L0112831	0	0.31667E-03	485509.9	3753387.5	499.5	1.00	15.74	0.23	YES	
L0112832	0	0.31667E-03	485509.8	3753353.7	498.9	1.00	15.74	0.23	YES	
L0112833	0	0.31667E-03	485509.8	3753319.8	498.3	1.00	15.74	0.23	YES	
L0112834	0	0.31667E-03	485509.8	3753286.0	497.7	1.00	15.74	0.23	YES	
L0112835	0	0.31667E-03	485509.7	3753252.2	497.1	1.00	15.74	0.23	YES	
L0112836	0	0.31667E-03	485509.7	3753218.3	496.5	1.00	15.74	0.23	YES	
L0112837	0	0.31667E-03	485509.7	3753184.5	495.9	1.00	15.74	0.23	YES	
L0112838	0	0.31667E-03	485509.6	3753150.7	495.3	1.00	15.74	0.23	YES	
L0112839	0	0.31667E-03	485509.6	3753116.8	494.7	1.00	15.74	0.23	YES	
L0112840	0	0.31667E-03	485509.6	3753083.0	494.2	1.00	15.74	0.23	YES	
L0112841	0	0.10080E-02	485533.3	3755083.2	531.8	4.00	15.63	0.93	YES	
L0112842	0	0.10080E-02	485532.5	3755049.6	531.1	4.00	15.63	0.93	YES	
L0112843	0	0.10080E-02	485531.8	3755016.0	530.4	4.00	15.63	0.93	YES	
L0112844	0	0.10080E-02	485531.1	3754982.4	529.7	4.00	15.63	0.93	YES	
L0112845	0	0.10080E-02	485530.4	3754948.8	529.0	4.00	15.63	0.93	YES	
L0112846	0	0.10080E-02	485529.7	3754915.2	528.4	4.00	15.63	0.93	YES	
L0112847	0	0.10080E-02	485528.9	3754881.6	527.7	4.00	15.63	0.93	YES	
L0112848	0	0.10080E-02	485528.2	3754848.0	527.0	4.00	15.63	0.93	YES	
L0112849	0	0.10080E-02	485527.5	3754814.4	526.3	4.00	15.63	0.93	YES	

L0112850	0	0.10080E-02	485526.8	3754780.8	525.6	4.00	15.63	0.93	YES
L0112851	0	0.10080E-02	485526.0	3754747.2	524.9	4.00	15.63	0.93	YES
L0112852	0	0.10080E-02	485525.3	3754713.6	524.2	4.00	15.63	0.93	YES
L0112853	0	0.10080E-02	485524.6	3754680.1	523.5	4.00	15.63	0.93	YES

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112854	0	0.10080E-02	485523.9	3754646.5	522.8	4.00	15.63	0.93	YES	
L0112855	0	0.10080E-02	485523.2	3754612.9	522.1	4.00	15.63	0.93	YES	
L0112856	0	0.10080E-02	485522.4	3754579.3	521.4	4.00	15.63	0.93	YES	
L0112857	0	0.10080E-02	485521.7	3754545.7	520.7	4.00	15.63	0.93	YES	
L0112858	0	0.10080E-02	485521.0	3754512.1	520.0	4.00	15.63	0.93	YES	
L0112859	0	0.10080E-02	485520.3	3754478.5	519.3	4.00	15.63	0.93	YES	
L0112860	0	0.10080E-02	485519.5	3754444.9	518.6	4.00	15.63	0.93	YES	
L0112861	0	0.10080E-02	485518.8	3754411.3	517.9	4.00	15.63	0.93	YES	
L0112862	0	0.10080E-02	485518.1	3754377.7	517.3	4.00	15.63	0.93	YES	
L0112863	0	0.10080E-02	485517.4	3754344.1	516.6	4.00	15.63	0.93	YES	
L0112864	0	0.10080E-02	485516.7	3754310.5	515.9	4.00	15.63	0.93	YES	
L0112865	0	0.10080E-02	485515.9	3754276.9	515.2	4.00	15.63	0.93	YES	
L0111870	0	0.00000E+00	485516.8	3755054.2	529.9	1.00	23.83	0.23	YES	
L0111871	0	0.00000E+00	485568.1	3755054.0	528.6	1.00	23.83	0.23	YES	
L0111872	0	0.00000E+00	485619.3	3755053.8	530.8	1.00	23.83	0.23	YES	
L0111873	0	0.00000E+00	485670.5	3755053.6	532.5	1.00	23.83	0.23	YES	
L0111874	0	0.00000E+00	485721.7	3755053.4	534.2	1.00	23.83	0.23	YES	
L0111875	0	0.00000E+00	485773.0	3755053.2	531.1	1.00	23.83	0.23	YES	
L0111876	0	0.00000E+00	485824.2	3755053.0	529.5	1.00	23.83	0.23	YES	
L0111877	0	0.00000E+00	485875.4	3755052.8	529.8	1.00	23.83	0.23	YES	
L0111878	0	0.00000E+00	485926.7	3755052.6	530.9	1.00	23.83	0.23	YES	
L0111879	0	0.00000E+00	485977.9	3755052.4	529.7	1.00	23.83	0.23	YES	
L0111880	0	0.00000E+00	486029.1	3755052.2	529.4	1.00	23.83	0.23	YES	
L0111881	0	0.00000E+00	486080.4	3755052.0	529.5	1.00	23.83	0.23	YES	
L0111882	0	0.00000E+00	486131.6	3755051.8	529.5	1.00	23.83	0.23	YES	
L0111883	0	0.00000E+00	486182.8	3755051.6	530.3	1.00	23.83	0.23	YES	
L0111884	0	0.00000E+00	486234.0	3755051.3	527.4	1.00	23.83	0.23	YES	
L0111885	0	0.00000E+00	486285.3	3755051.1	527.0	1.00	23.83	0.23	YES	
L0111886	0	0.00000E+00	486336.5	3755050.9	526.5	1.00	23.83	0.23	YES	
L0111887	0	0.00000E+00	486387.7	3755050.7	527.3	1.00	23.83	0.23	YES	
L0112866	0	0.22533E-02	486398.6	3755051.8	530.0	3.70	23.51	0.86	YES	
L0112867	0	0.22533E-02	486449.1	3755051.3	530.3	3.70	23.51	0.86	YES	
L0112868	0	0.22533E-02	486499.7	3755050.8	530.5	3.70	23.51	0.86	YES	
L0112869	0	0.22533E-02	486550.2	3755050.4	530.7	3.70	23.51	0.86	YES	
L0112870	0	0.22533E-02	486600.7	3755049.9	530.9	3.70	23.51	0.86	YES	
L0112871	0	0.22533E-02	486651.3	3755049.4	531.1	3.70	23.51	0.86	YES	
L0112872	0	0.22533E-02	486701.8	3755049.0	531.3	3.70	23.51	0.86	YES	
L0112873	0	0.22533E-02	486752.4	3755048.5	531.5	3.70	23.51	0.86	YES	
L0112874	0	0.22533E-02	486802.9	3755048.1	531.7	3.70	23.51	0.86	YES	
L0112875	0	0.22533E-02	486853.5	3755047.6	531.9	3.70	23.51	0.86	YES	

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112876	0	0.22533E-02	486904.0	3755047.1	532.1	3.70	23.51	0.86	YES	
L0112877	0	0.22533E-02	486954.6	3755046.7	532.3	3.70	23.51	0.86	YES	
L0112878	0	0.22533E-02	487005.1	3755046.2	532.5	3.70	23.51	0.86	YES	
L0112879	0	0.22533E-02	487055.7	3755045.8	532.7	3.70	23.51	0.86	YES	
L0112880	0	0.22533E-02	487106.2	3755045.3	532.9	3.70	23.51	0.86	YES	
L0111903	0	0.00000E+00	487151.1	3755042.2	530.6	1.00	23.38	0.23	YES	
L0111904	0	0.00000E+00	487201.3	3755039.4	528.0	1.00	23.38	0.23	YES	
L0111905	0	0.00000E+00	487251.5	3755036.7	528.5	1.00	23.38	0.23	YES	
L0111906	0	0.00000E+00	487301.7	3755033.9	528.6	1.00	23.38	0.23	YES	
L0111907	0	0.00000E+00	487351.3	3755025.8	526.0	1.00	23.38	0.23	YES	
L0111908	0	0.00000E+00	487400.9	3755017.8	524.6	1.00	23.38	0.23	YES	
L0111909	0	0.00000E+00	487450.5	3755009.8	524.4	1.00	23.38	0.23	YES	
L0111910	0	0.00000E+00	487500.1	3755001.7	526.0	1.00	23.38	0.23	YES	
L0111911	0	0.00000E+00	487549.9	3754996.4	528.3	1.00	23.38	0.23	YES	
L0111912	0	0.00000E+00	487600.2	3754997.7	529.2	1.00	23.38	0.23	YES	
L0111913	0	0.00000E+00	487650.4	3754999.0	526.2	1.00	23.38	0.23	YES	
L0111914	0	0.00000E+00	487700.6	3755000.3	523.0	1.00	23.38	0.23	YES	
L0111915	0	0.00000E+00	487749.5	3754990.1	522.3	1.00	23.38	0.23	YES	
L0111916	0	0.00000E+00	487798.0	3754976.9	523.3	1.00	23.38	0.23	YES	
L0111917	0	0.00000E+00	487846.5	3754963.7	524.1	1.00	23.38	0.23	YES	
L0111918	0	0.00000E+00	487895.0	3754950.4	525.8	1.00	23.38	0.23	YES	
L0111919	0	0.00000E+00	487919.9	3754938.9	524.6	1.00	24.10	0.23	YES	
L0111920	0	0.00000E+00	487964.8	3754913.0	521.9	1.00	24.10	0.23	YES	
L0111921	0	0.00000E+00	488009.7	3754887.1	519.8	1.00	24.10	0.23	YES	
L0111922	0	0.00000E+00	488053.4	3754859.6	519.4	1.00	24.10	0.23	YES	
L0111923	0	0.00000E+00	488094.9	3754828.5	519.2	1.00	24.10	0.23	YES	
L0111924	0	0.00000E+00	488136.3	3754797.4	520.5	1.00	24.10	0.23	YES	
L0111925	0	0.00000E+00	488178.6	3754767.9	521.2	1.00	24.10	0.23	YES	
L0111926	0	0.00000E+00	488228.5	3754753.9	522.9	1.00	24.10	0.23	YES	
L0111927	0	0.00000E+00	488278.4	3754739.9	523.0	1.00	24.10	0.23	YES	
L0111928	0	0.00000E+00	488329.2	3754731.6	521.5	1.00	24.10	0.23	YES	
L0111929	0	0.00000E+00	488380.9	3754728.1	523.9	1.00	24.10	0.23	YES	
L0111930	0	0.00000E+00	488432.6	3754724.6	528.0	1.00	24.10	0.23	YES	
L0111931	0	0.00000E+00	488484.3	3754721.0	524.8	1.00	24.10	0.23	YES	

L0111932	0	0.00000E+00	487131.3	3754448.5	506.6	1.00	17.64	0.23	YES
L0111933	0	0.00000E+00	487169.2	3754446.5	506.0	1.00	17.64	0.23	YES
L0111934	0	0.00000E+00	487207.0	3754444.4	508.1	1.00	17.64	0.23	YES
L0111935	0	0.00000E+00	487244.9	3754442.4	509.1	1.00	17.64	0.23	YES
L0111936	0	0.00000E+00	487282.8	3754440.4	509.8	1.00	17.64	0.23	YES
L0111937	0	0.00000E+00	487320.7	3754438.4	509.1	1.00	17.64	0.23	YES

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111938	0	0.00000E+00	487358.6	3754436.4	509.4	1.00	17.64	0.23	YES	
L0111939	0	0.00000E+00	487396.4	3754434.4	510.4	1.00	17.64	0.23	YES	
L0111940	0	0.00000E+00	487434.3	3754432.4	509.9	1.00	17.64	0.23	YES	
L0111941	0	0.00000E+00	487472.2	3754430.4	509.4	1.00	17.64	0.23	YES	
L0111942	0	0.00000E+00	487510.1	3754428.3	509.9	1.00	17.64	0.23	YES	
L0111943	0	0.00000E+00	487547.9	3754426.3	510.2	1.00	17.64	0.23	YES	
L0111944	0	0.00000E+00	487585.8	3754424.5	509.6	1.00	17.64	0.23	YES	
L0111945	0	0.00000E+00	487623.7	3754425.8	510.1	1.00	17.64	0.23	YES	
L0111946	0	0.00000E+00	487661.6	3754427.1	510.7	1.00	17.64	0.23	YES	
L0111947	0	0.00000E+00	487699.6	3754428.4	510.4	1.00	17.64	0.23	YES	
L0111948	0	0.00000E+00	487736.7	3754435.0	510.8	1.00	17.64	0.23	YES	
L0111949	0	0.00000E+00	487773.2	3754445.1	510.4	1.00	17.64	0.23	YES	
L0111950	0	0.00000E+00	487810.3	3754451.0	509.9	1.00	17.64	0.23	YES	
L0111951	0	0.00000E+00	487848.2	3754450.3	509.8	1.00	17.64	0.23	YES	
L0111952	0	0.00000E+00	487886.1	3754449.6	508.5	1.00	17.64	0.23	YES	
L0111953	0	0.00000E+00	487924.1	3754449.0	507.7	1.00	17.64	0.23	YES	
L0111954	0	0.00000E+00	487962.0	3754448.3	508.4	1.00	17.64	0.23	YES	
L0111955	0	0.00000E+00	487999.9	3754447.6	509.0	1.00	17.64	0.23	YES	
L0111956	0	0.00000E+00	488037.8	3754447.0	508.1	1.00	17.64	0.23	YES	
L0111957	0	0.00000E+00	488075.8	3754446.3	507.2	1.00	17.64	0.23	YES	
L0111958	0	0.00000E+00	488113.7	3754445.6	508.2	1.00	17.64	0.23	YES	
L0111959	0	0.00000E+00	488151.6	3754445.0	508.3	1.00	17.64	0.23	YES	
L0111960	0	0.00000E+00	488189.5	3754444.3	509.3	1.00	17.64	0.23	YES	
L0111961	0	0.00000E+00	488227.5	3754443.6	510.4	1.00	17.64	0.23	YES	
L0111962	0	0.00000E+00	488265.4	3754443.0	510.7	1.00	17.64	0.23	YES	
L0111963	0	0.00000E+00	488303.3	3754442.3	510.9	1.00	17.64	0.23	YES	
L0111964	0	0.00000E+00	488333.9	3754420.0	509.3	1.00	17.64	0.23	YES	
L0111965	0	0.00000E+00	488364.4	3754397.4	506.5	1.00	17.64	0.23	YES	
L0111966	0	0.00000E+00	488394.8	3754374.8	504.5	1.00	17.64	0.23	YES	
L0111967	0	0.00000E+00	488425.3	3754352.2	505.0	1.00	17.64	0.23	YES	
L0111968	0	0.00000E+00	488434.4	3754340.7	505.3	1.00	18.04	0.23	YES	
L0111969	0	0.00000E+00	488457.1	3754309.3	506.0	1.00	18.04	0.23	YES	
L0111970	0	0.00000E+00	488457.7	3754270.7	506.0	1.00	18.04	0.23	YES	
L0111971	0	0.00000E+00	488457.7	3754231.9	505.1	1.00	18.04	0.23	YES	
L0111972	0	0.00000E+00	488457.7	3754193.1	501.0	1.00	18.04	0.23	YES	
L0111973	0	0.00000E+00	488457.7	3754154.3	501.5	1.00	18.04	0.23	YES	
L0111974	0	0.00000E+00	488457.7	3754115.5	503.6	1.00	18.04	0.23	YES	
L0111975	0	0.00000E+00	488457.7	3754076.8	502.9	1.00	18.04	0.23	YES	
L0111976	0	0.00000E+00	488457.7	3754038.0	502.0	1.00	18.04	0.23	YES	
L0111977	0	0.00000E+00	488457.7	3753999.2	502.0	1.00	18.04	0.23	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111978	0	0.00000E+00	488457.7	3753960.4	502.0	1.00	18.04	0.23	YES	
L0111979	0	0.00000E+00	488457.7	3753921.6	500.4	1.00	18.04	0.23	YES	
L0111980	0	0.00000E+00	488457.7	3753882.8	498.4	1.00	18.04	0.23	YES	
L0111981	0	0.00000E+00	488457.7	3753844.0	497.1	1.00	18.04	0.23	YES	
L0111982	0	0.00000E+00	488457.7	3753805.3	496.8	1.00	18.04	0.23	YES	
L0111983	0	0.00000E+00	488457.7	3753766.5	496.0	1.00	18.04	0.23	YES	
L0111984	0	0.00000E+00	488457.7	3753727.7	495.3	1.00	18.04	0.23	YES	
L0111985	0	0.00000E+00	488457.7	3753688.9	493.9	1.00	18.04	0.23	YES	
L0111986	0	0.00000E+00	488457.7	3753650.1	491.0	1.00	18.04	0.23	YES	
L0111987	0	0.00000E+00	488457.7	3753611.3	488.4	1.00	18.04	0.23	YES	
L0111988	0	0.00000E+00	488457.7	3753572.6	488.0	1.00	18.04	0.23	YES	
L0111989	0	0.00000E+00	488457.7	3753533.8	488.0	1.00	18.04	0.23	YES	
L0111990	0	0.00000E+00	488457.7	3753495.0	488.0	1.00	18.04	0.23	YES	
L0111991	0	0.00000E+00	488457.7	3753456.2	487.2	1.00	18.04	0.23	YES	
L0111992	0	0.00000E+00	488457.7	3753417.4	485.9	1.00	18.04	0.23	YES	
L0111993	0	0.00000E+00	488457.7	3753378.6	485.4	1.00	18.04	0.23	YES	
L0111994	0	0.00000E+00	488457.7	3753339.9	484.0	1.00	18.04	0.23	YES	
L0111995	0	0.00000E+00	488457.7	3753301.1	482.0	1.00	18.04	0.23	YES	
L0112881	0	0.16000E-02	487111.6	3753293.9	490.9	3.00	22.81	0.70	YES	
L0112882	0	0.16000E-02	487160.6	3753293.6	490.4	3.00	22.81	0.70	YES	
L0112883	0	0.16000E-02	487209.6	3753293.2	490.0	3.00	22.81	0.70	YES	
L0112884	0	0.16000E-02	487258.7	3753292.8	489.6	3.00	22.81	0.70	YES	
L0112885	0	0.16000E-02	487307.7	3753292.4	489.1	3.00	22.81	0.70	YES	
L0112886	0	0.16000E-02	487356.7	3753292.1	488.7	3.00	22.81	0.70	YES	
L0112887	0	0.16000E-02	487405.8	3753291.7	488.2	3.00	22.81	0.70	YES	
L0112888	0	0.16000E-02	487454.8	3753291.3	487.8	3.00	22.81	0.70	YES	
L0112889	0	0.16000E-02	487503.8	3753291.0	487.3	3.00	22.81	0.70	YES	
L0112890	0	0.16000E-02	487552.9	3753290.6	486.9	3.00	22.81	0.70	YES	
L0112891	0	0.16000E-02	487601.9	3753290.2	486.4	3.00	22.81	0.70	YES	
L0112892	0	0.16000E-02	487650.9	3753289.8	486.0	3.00	22.81	0.70	YES	
L0112893	0	0.16000E-02	487700.0	3753289.5	485.6	3.00	22.81	0.70	YES	
L0112894	0	0.16000E-02	487749.0	3753289.1	485.1	3.00	22.81	0.70	YES	

L0112501	0	0.11714E-02	487765.1	3753289.0	484.0	3.00	24.24	0.70	YES
L0112502	0	0.11714E-02	487817.3	3753289.0	485.3	3.00	24.24	0.70	YES
L0112503	0	0.11714E-02	487869.4	3753289.0	483.2	3.00	24.24	0.70	YES
L0112504	0	0.11714E-02	487921.5	3753289.0	483.0	3.00	24.24	0.70	YES
L0112505	0	0.11714E-02	487973.6	3753289.0	484.8	3.00	24.24	0.70	YES
L0112506	0	0.11714E-02	488025.8	3753289.0	485.6	3.00	24.24	0.70	YES
L0112507	0	0.11714E-02	488077.9	3753289.0	485.4	3.00	24.24	0.70	YES
L0112508	0	0.11714E-02	488130.0	3753289.0	485.6	3.00	24.24	0.70	YES

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112509	0	0.11714E-02	488182.1	3753289.0	485.6	3.00	24.24	0.70	YES	
L0112510	0	0.11714E-02	488234.2	3753289.0	486.3	3.00	24.24	0.70	YES	
L0112511	0	0.11714E-02	488286.4	3753289.0	484.9	3.00	24.24	0.70	YES	
L0112512	0	0.11714E-02	488338.5	3753289.0	484.4	3.00	24.24	0.70	YES	
L0112513	0	0.11714E-02	488390.6	3753289.0	484.6	3.00	24.24	0.70	YES	
L0112514	0	0.11714E-02	488442.7	3753289.0	483.3	3.00	24.24	0.70	YES	
L0112515	0	0.35917E-04	488445.9	3753289.3	481.6	3.70	18.10	0.86	YES	
L0112516	0	0.35917E-04	488446.3	3753250.4	481.0	3.70	18.10	0.86	YES	
L0112517	0	0.35917E-04	488446.8	3753211.5	480.1	3.70	18.10	0.86	YES	
L0112518	0	0.35917E-04	488447.2	3753172.6	479.0	3.70	18.10	0.86	YES	
L0112519	0	0.35917E-04	488447.7	3753133.7	478.5	3.70	18.10	0.86	YES	
L0112520	0	0.35917E-04	488448.1	3753094.8	478.0	3.70	18.10	0.86	YES	
L0112521	0	0.35917E-04	488448.5	3753055.9	477.0	3.70	18.10	0.86	YES	
L0112522	0	0.35917E-04	488449.0	3753017.0	477.0	3.70	18.10	0.86	YES	
L0112523	0	0.35917E-04	488449.4	3752978.1	477.7	3.70	18.10	0.86	YES	
L0112524	0	0.35917E-04	488449.8	3752939.2	479.0	3.70	18.10	0.86	YES	
L0112525	0	0.35917E-04	488450.3	3752900.3	478.0	3.70	18.10	0.86	YES	
L0112526	0	0.35917E-04	488450.7	3752861.4	478.0	3.70	18.10	0.86	YES	
L0112036	0	0.49310E-03	488463.9	3753299.0	481.8	2.60	23.53	0.60	YES	
L0112037	0	0.49310E-03	488514.5	3753298.8	480.9	2.60	23.53	0.60	YES	
L0112038	0	0.49310E-03	488565.1	3753298.7	482.3	2.60	23.53	0.60	YES	
L0112039	0	0.49310E-03	488615.7	3753298.5	484.1	2.60	23.53	0.60	YES	
L0112040	0	0.49310E-03	488666.3	3753298.3	483.2	2.60	23.53	0.60	YES	
L0112041	0	0.49310E-03	488716.9	3753298.1	482.0	2.60	23.53	0.60	YES	
L0112042	0	0.49310E-03	488767.5	3753298.0	482.1	2.60	23.53	0.60	YES	
L0112043	0	0.49310E-03	488818.1	3753297.8	481.1	2.60	23.53	0.60	YES	
L0112044	0	0.49310E-03	488868.7	3753297.6	482.1	2.60	23.53	0.60	YES	
L0112045	0	0.49310E-03	488919.3	3753297.4	483.4	2.60	23.53	0.60	YES	
L0112046	0	0.49310E-03	488969.9	3753297.3	485.9	2.60	23.53	0.60	YES	
L0112047	0	0.49310E-03	489020.5	3753297.1	484.2	2.60	23.53	0.60	YES	
L0112048	0	0.49310E-03	489071.1	3753296.9	484.8	2.60	23.53	0.60	YES	
L0112049	0	0.49310E-03	489121.6	3753296.7	484.9	2.60	23.53	0.60	YES	
L0112050	0	0.49310E-03	489172.2	3753296.5	486.5	2.60	23.53	0.60	YES	
L0112051	0	0.49310E-03	489222.8	3753296.4	491.6	2.60	23.53	0.60	YES	
L0112052	0	0.49310E-03	489273.4	3753296.2	494.4	2.60	23.53	0.60	YES	
L0112053	0	0.49310E-03	489324.0	3753296.0	490.5	2.60	23.53	0.60	YES	
L0112054	0	0.49310E-03	489374.6	3753295.8	489.1	2.60	23.53	0.60	YES	
L0112055	0	0.49310E-03	489425.2	3753295.7	490.3	2.60	23.53	0.60	YES	
L0112056	0	0.49310E-03	489475.8	3753295.5	490.2	2.60	23.53	0.60	YES	
L0112057	0	0.49310E-03	489526.4	3753295.3	490.5	2.60	23.53	0.60	YES	

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112058	0	0.49310E-03	489577.0	3753295.1	493.0	2.60	23.53	0.60	YES	
L0112059	0	0.49310E-03	489627.6	3753295.0	493.4	2.60	23.53	0.60	YES	
L0112060	0	0.49310E-03	489678.2	3753294.8	495.6	2.60	23.53	0.60	YES	
L0112061	0	0.49310E-03	489728.8	3753294.6	496.8	2.60	23.53	0.60	YES	
L0112062	0	0.49310E-03	489779.4	3753294.4	493.4	2.60	23.53	0.60	YES	
L0112063	0	0.49310E-03	489830.0	3753294.3	489.2	2.60	23.53	0.60	YES	
L0112064	0	0.49310E-03	489880.6	3753294.1	491.6	2.60	23.53	0.60	YES	
L0112895	0	0.66000E-03	489900.7	3753294.2	493.2	2.70	22.24	0.63	YES	
L0112896	0	0.66000E-03	489944.6	3753313.0	493.8	2.70	22.24	0.63	YES	
L0112897	0	0.66000E-03	489983.0	3753340.6	495.7	2.70	22.24	0.63	YES	
L0112898	0	0.66000E-03	490018.7	3753372.4	498.2	2.70	22.24	0.63	YES	
L0112899	0	0.66000E-03	490054.3	3753404.3	500.8	2.70	22.24	0.63	YES	
L0112900	0	0.66000E-03	490090.0	3753436.1	503.3	2.70	22.24	0.63	YES	
L0112071	0	0.00000E+00	489898.8	3753280.5	492.3	1.00	15.51	0.23	YES	
L0112072	0	0.00000E+00	489899.2	3753247.1	490.4	1.00	15.51	0.23	YES	
L0112073	0	0.00000E+00	489899.6	3753213.8	488.2	1.00	15.51	0.23	YES	
L0112074	0	0.00000E+00	489900.0	3753180.4	487.0	1.00	15.51	0.23	YES	
L0112075	0	0.00000E+00	489900.4	3753147.1	488.3	1.00	15.51	0.23	YES	
L0112076	0	0.00000E+00	489900.8	3753113.7	491.0	1.00	15.51	0.23	YES	
L0112077	0	0.00000E+00	489901.2	3753080.4	490.6	1.00	15.51	0.23	YES	
L0112078	0	0.00000E+00	489901.6	3753047.0	489.0	1.00	15.51	0.23	YES	
L0112079	0	0.00000E+00	489902.0	3753013.7	487.3	1.00	15.51	0.23	YES	
L0112080	0	0.00000E+00	489902.4	3752980.3	486.2	1.00	15.51	0.23	YES	
L0112081	0	0.00000E+00	489902.8	3752947.0	484.6	1.00	15.51	0.23	YES	
L0112082	0	0.00000E+00	489903.2	3752913.6	482.5	1.00	15.51	0.23	YES	
L0112083	0	0.00000E+00	489903.6	3752880.3	480.4	1.00	15.51	0.23	YES	
L0112084	0	0.00000E+00	489917.3	3752867.0	481.7	1.00	15.35	0.23	YES	
L0112085	0	0.00000E+00	489950.3	3752867.9	483.0	1.00	15.35	0.23	YES	
L0112086	0	0.00000E+00	489983.2	3752868.9	484.0	1.00	15.35	0.23	YES	
L0112087	0	0.00000E+00	490016.2	3752869.8	484.9	1.00	15.35	0.23	YES	

L0112088	0	0.00000E+00	490049.2	3752870.8	486.1	1.00	15.35	0.23	YES
L0112089	0	0.00000E+00	490082.2	3752871.7	485.7	1.00	15.35	0.23	YES
L0112090	0	0.00000E+00	490115.2	3752872.7	485.9	1.00	15.35	0.23	YES
L0112091	0	0.00000E+00	490148.1	3752873.7	486.6	1.00	15.35	0.23	YES
L0112092	0	0.00000E+00	490181.1	3752874.6	486.0	1.00	15.35	0.23	YES
L0112093	0	0.00000E+00	490214.1	3752875.6	484.1	1.00	15.35	0.23	YES
L0112094	0	0.00000E+00	490247.1	3752876.5	482.6	1.00	15.35	0.23	YES
L0112095	0	0.00000E+00	488454.3	3752857.1	478.0	1.00	15.60	0.23	YES
L0112096	0	0.00000E+00	488487.8	3752858.9	478.7	1.00	15.60	0.23	YES
L0112097	0	0.00000E+00	488521.3	3752860.6	477.6	1.00	15.60	0.23	YES

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112098	0	0.00000E+00	488554.8	3752862.3	475.5	1.00	15.60	0.23	YES	
L0112099	0	0.00000E+00	488588.3	3752864.1	475.3	1.00	15.60	0.23	YES	
L0112100	0	0.00000E+00	488621.7	3752865.8	476.6	1.00	15.60	0.23	YES	
L0112101	0	0.00000E+00	488655.2	3752867.6	478.0	1.00	15.60	0.23	YES	
L0112102	0	0.00000E+00	488688.7	3752869.3	478.5	1.00	15.60	0.23	YES	
L0112103	0	0.00000E+00	488722.2	3752871.1	477.6	1.00	15.60	0.23	YES	
L0112104	0	0.00000E+00	488755.7	3752872.8	477.4	1.00	15.60	0.23	YES	
L0112105	0	0.00000E+00	488789.2	3752874.6	478.3	1.00	15.60	0.23	YES	
L0112106	0	0.00000E+00	488822.6	3752876.3	478.2	1.00	15.60	0.23	YES	
L0112107	0	0.00000E+00	488856.1	3752878.1	478.1	1.00	15.60	0.23	YES	
L0112108	0	0.00000E+00	488889.6	3752879.8	478.0	1.00	15.60	0.23	YES	
L0112109	0	0.00000E+00	488923.1	3752881.6	477.7	1.00	15.60	0.23	YES	
L0112110	0	0.00000E+00	488956.6	3752883.3	478.2	1.00	15.60	0.23	YES	
L0112111	0	0.00000E+00	488990.1	3752885.1	479.7	1.00	15.60	0.23	YES	
L0112112	0	0.00000E+00	489023.5	3752886.8	481.4	1.00	15.60	0.23	YES	
L0112113	0	0.00000E+00	489057.1	3752886.3	482.7	1.00	15.60	0.23	YES	
L0112114	0	0.00000E+00	489090.6	3752885.7	481.8	1.00	15.60	0.23	YES	
L0112115	0	0.00000E+00	489124.1	3752885.1	480.7	1.00	15.60	0.23	YES	
L0112116	0	0.00000E+00	489157.6	3752884.5	479.8	1.00	15.60	0.23	YES	
L0112117	0	0.00000E+00	489191.2	3752884.0	478.8	1.00	15.60	0.23	YES	
L0112118	0	0.00000E+00	489224.7	3752883.4	478.7	1.00	15.60	0.23	YES	
L0112119	0	0.00000E+00	489258.2	3752882.8	479.7	1.00	15.60	0.23	YES	
L0112120	0	0.00000E+00	489291.7	3752882.2	480.1	1.00	15.60	0.23	YES	
L0112121	0	0.00000E+00	489325.3	3752881.7	480.1	1.00	15.60	0.23	YES	
L0112122	0	0.00000E+00	489358.8	3752881.1	480.1	1.00	15.60	0.23	YES	
L0112123	0	0.00000E+00	489392.3	3752880.5	480.0	1.00	15.60	0.23	YES	
L0112124	0	0.00000E+00	489425.8	3752879.9	480.2	1.00	15.60	0.23	YES	
L0112125	0	0.00000E+00	489459.4	3752879.4	481.3	1.00	15.60	0.23	YES	
L0112126	0	0.00000E+00	489492.9	3752878.8	481.9	1.00	15.60	0.23	YES	
L0112127	0	0.00000E+00	489526.4	3752878.2	481.9	1.00	15.60	0.23	YES	
L0112128	0	0.00000E+00	489559.9	3752877.6	482.5	1.00	15.60	0.23	YES	
L0112129	0	0.00000E+00	489593.5	3752877.1	483.5	1.00	15.60	0.23	YES	
L0112130	0	0.00000E+00	489627.0	3752876.5	484.7	1.00	15.60	0.23	YES	
L0112131	0	0.00000E+00	489660.5	3752875.9	484.9	1.00	15.60	0.23	YES	
L0112132	0	0.00000E+00	489694.0	3752875.3	483.8	1.00	15.60	0.23	YES	
L0112133	0	0.00000E+00	489727.6	3752874.8	484.1	1.00	15.60	0.23	YES	
L0112134	0	0.00000E+00	489761.1	3752874.2	485.3	1.00	15.60	0.23	YES	
L0112135	0	0.00000E+00	489794.6	3752873.6	484.9	1.00	15.60	0.23	YES	
L0112136	0	0.00000E+00	489828.1	3752873.0	482.8	1.00	15.60	0.23	YES	
L0112137	0	0.00000E+00	489861.7	3752872.5	480.7	1.00	15.60	0.23	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112138	0	0.00000E+00	489895.2	3752871.9	480.3	1.00	15.60	0.23	YES	
L0112901	0	0.15241E-02	488256.0	3755293.6	547.8	4.00	9.20	0.93	YES	
L0112902	0	0.15241E-02	488263.4	3755275.3	547.1	4.00	9.20	0.93	YES	
L0112903	0	0.15241E-02	488270.8	3755256.9	546.3	4.00	9.20	0.93	YES	
L0112904	0	0.15241E-02	488278.2	3755238.6	545.6	4.00	9.20	0.93	YES	
L0112905	0	0.15241E-02	488285.6	3755220.3	544.9	4.00	9.20	0.93	YES	
L0112906	0	0.15241E-02	488293.0	3755201.9	544.1	4.00	9.20	0.93	YES	
L0112907	0	0.15241E-02	488300.4	3755183.6	543.4	4.00	9.20	0.93	YES	
L0112908	0	0.15241E-02	488307.8	3755165.2	542.7	4.00	9.20	0.93	YES	
L0112909	0	0.15241E-02	488315.2	3755146.9	541.9	4.00	9.20	0.93	YES	
L0112910	0	0.15241E-02	488322.7	3755128.6	541.2	4.00	9.20	0.93	YES	
L0112911	0	0.15241E-02	488330.1	3755110.2	540.4	4.00	9.20	0.93	YES	
L0112912	0	0.15241E-02	488337.5	3755091.9	539.7	4.00	9.20	0.93	YES	
L0112913	0	0.15241E-02	488344.9	3755073.6	539.0	4.00	9.20	0.93	YES	
L0112914	0	0.15241E-02	488352.3	3755055.2	538.2	4.00	9.20	0.93	YES	
L0112915	0	0.15241E-02	488359.7	3755036.9	537.5	4.00	9.20	0.93	YES	
L0112916	0	0.15241E-02	488367.1	3755018.5	536.8	4.00	9.20	0.93	YES	
L0112917	0	0.15241E-02	488374.5	3755000.2	536.0	4.00	9.20	0.93	YES	
L0112918	0	0.15241E-02	488381.9	3754981.9	535.3	4.00	9.20	0.93	YES	
L0112919	0	0.15241E-02	488389.3	3754963.5	534.5	4.00	9.20	0.93	YES	
L0112920	0	0.15241E-02	488396.7	3754945.2	533.8	4.00	9.20	0.93	YES	
L0112921	0	0.15241E-02	488404.1	3754926.9	533.1	4.00	9.20	0.93	YES	
L0112922	0	0.15241E-02	488411.5	3754908.5	532.3	4.00	9.20	0.93	YES	
L0112923	0	0.15241E-02	488418.9	3754890.2	531.6	4.00	9.20	0.93	YES	
L0112924	0	0.15241E-02	488426.3	3754871.8	530.9	4.00	9.20	0.93	YES	
L0112925	0	0.15241E-02	488433.7	3754853.5	530.1	4.00	9.20	0.93	YES	
L0112926	0	0.15241E-02	488441.1	3754835.2	529.4	4.00	9.20	0.93	YES	
L0112927	0	0.15241E-02	488448.6	3754816.8	528.7	4.00	9.20	0.93	YES	

L0112928	0	0.15241E-02	488456.0	3754798.5	527.9	4.00	9.20	0.93	YES
L0112929	0	0.15241E-02	488463.4	3754780.1	527.2	4.00	9.20	0.93	YES
L0112930	0	0.15596E-02	488468.1	3754776.1	526.9	3.50	9.32	0.81	YES
L0112931	0	0.15596E-02	488477.9	3754758.6	526.5	3.50	9.32	0.81	YES
L0112932	0	0.15596E-02	488487.7	3754741.2	526.1	3.50	9.32	0.81	YES
L0112933	0	0.15596E-02	488497.6	3754723.7	525.7	3.50	9.32	0.81	YES
L0112934	0	0.15596E-02	488507.4	3754706.3	525.3	3.50	9.32	0.81	YES
L0112935	0	0.15596E-02	488517.3	3754688.8	524.9	3.50	9.32	0.81	YES
L0112936	0	0.15596E-02	488527.1	3754671.4	524.5	3.50	9.32	0.81	YES
L0112937	0	0.15596E-02	488536.9	3754653.9	524.0	3.50	9.32	0.81	YES
L0112938	0	0.15596E-02	488546.8	3754636.5	523.6	3.50	9.32	0.81	YES
L0112939	0	0.15596E-02	488556.6	3754619.0	523.2	3.50	9.32	0.81	YES

**MODELOPTs: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112940	0	0.15596E-02	488566.5	3754601.6	522.8	3.50	9.32	0.81	YES	
L0112941	0	0.15596E-02	488576.3	3754584.1	522.4	3.50	9.32	0.81	YES	
L0112942	0	0.15596E-02	488586.1	3754566.7	522.0	3.50	9.32	0.81	YES	
L0112943	0	0.15596E-02	488596.0	3754549.2	521.6	3.50	9.32	0.81	YES	
L0112944	0	0.15596E-02	488605.8	3754531.8	521.2	3.50	9.32	0.81	YES	
L0112945	0	0.15596E-02	488615.6	3754514.3	520.8	3.50	9.32	0.81	YES	
L0112946	0	0.15596E-02	488625.5	3754496.9	520.4	3.50	9.32	0.81	YES	
L0112947	0	0.15596E-02	488635.3	3754479.4	520.0	3.50	9.32	0.81	YES	
L0112948	0	0.15596E-02	488645.2	3754462.0	519.6	3.50	9.32	0.81	YES	
L0112949	0	0.15596E-02	488655.0	3754444.5	519.2	3.50	9.32	0.81	YES	
L0112950	0	0.15596E-02	488664.8	3754427.1	518.8	3.50	9.32	0.81	YES	
L0112951	0	0.15596E-02	488674.7	3754409.6	518.4	3.50	9.32	0.81	YES	
L0112952	0	0.15596E-02	488684.5	3754392.2	518.0	3.50	9.32	0.81	YES	
L0112953	0	0.15596E-02	488694.4	3754374.7	517.5	3.50	9.32	0.81	YES	
L0112954	0	0.15596E-02	488704.2	3754357.3	517.1	3.50	9.32	0.81	YES	
L0112955	0	0.15596E-02	488714.0	3754339.8	516.7	3.50	9.32	0.81	YES	
L0112956	0	0.15596E-02	488723.9	3754322.4	516.3	3.50	9.32	0.81	YES	
L0112957	0	0.15596E-02	488734.7	3754305.7	515.9	3.50	9.32	0.81	YES	
L0112958	0	0.15596E-02	488750.1	3754293.0	515.6	3.50	9.32	0.81	YES	
L0112959	0	0.15596E-02	488765.6	3754280.2	515.3	3.50	9.32	0.81	YES	
L0112960	0	0.15596E-02	488781.0	3754267.5	514.9	3.50	9.32	0.81	YES	
L0112961	0	0.15596E-02	488796.5	3754254.7	514.6	3.50	9.32	0.81	YES	
L0112962	0	0.15596E-02	488811.9	3754241.9	514.3	3.50	9.32	0.81	YES	
L0112963	0	0.15596E-02	488827.4	3754229.2	513.9	3.50	9.32	0.81	YES	
L0112964	0	0.15596E-02	488842.8	3754216.4	513.6	3.50	9.32	0.81	YES	
L0112965	0	0.15596E-02	488858.2	3754203.7	513.3	3.50	9.32	0.81	YES	
L0112966	0	0.15596E-02	488873.7	3754190.9	512.9	3.50	9.32	0.81	YES	
L0112967	0	0.15596E-02	488889.1	3754178.1	512.6	3.50	9.32	0.81	YES	
L0112968	0	0.15596E-02	488904.6	3754165.4	512.3	3.50	9.32	0.81	YES	
L0112969	0	0.15596E-02	488920.0	3754152.6	511.9	3.50	9.32	0.81	YES	
L0112970	0	0.15596E-02	488935.5	3754139.9	511.6	3.50	9.32	0.81	YES	
L0112971	0	0.15596E-02	488950.9	3754127.1	511.3	3.50	9.32	0.81	YES	
L0112972	0	0.15596E-02	488966.7	3754114.8	511.0	3.50	9.32	0.81	YES	
L0112973	0	0.15596E-02	488983.8	3754104.4	510.9	3.50	9.32	0.81	YES	
L0112974	0	0.15596E-02	489000.9	3754093.9	510.7	3.50	9.32	0.81	YES	
L0112975	0	0.15596E-02	489018.0	3754083.5	510.6	3.50	9.32	0.81	YES	
L0112976	0	0.15596E-02	489035.1	3754073.0	510.5	3.50	9.32	0.81	YES	
L0112977	0	0.15596E-02	489052.2	3754062.6	510.4	3.50	9.32	0.81	YES	
L0112978	0	0.15596E-02	489069.3	3754052.2	510.2	3.50	9.32	0.81	YES	
L0112979	0	0.15596E-02	489086.4	3754041.7	510.1	3.50	9.32	0.81	YES	

**MODELOPTs: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112980	0	0.15596E-02	489103.5	3754031.3	510.0	3.50	9.32	0.81	YES	
L0112981	0	0.15596E-02	489120.6	3754020.8	509.9	3.50	9.32	0.81	YES	
L0112982	0	0.15596E-02	489137.7	3754010.4	509.8	3.50	9.32	0.81	YES	
L0112983	0	0.15596E-02	489154.8	3754000.0	509.7	3.50	9.32	0.81	YES	
L0112984	0	0.15596E-02	489171.9	3753989.5	509.5	3.50	9.32	0.81	YES	
L0112985	0	0.15596E-02	489189.0	3753979.1	509.4	3.50	9.32	0.81	YES	
L0112986	0	0.15596E-02	489206.1	3753968.6	509.3	3.50	9.32	0.81	YES	
L0112987	0	0.15596E-02	489223.2	3753958.2	509.2	3.50	9.32	0.81	YES	
L0112988	0	0.15596E-02	489240.2	3753947.8	509.1	3.50	9.32	0.81	YES	
L0112989	0	0.15596E-02	489257.3	3753937.3	508.9	3.50	9.32	0.81	YES	
L0112990	0	0.15596E-02	489274.4	3753926.9	508.8	3.50	9.32	0.81	YES	
L0112991	0	0.15596E-02	489291.5	3753916.4	508.7	3.50	9.32	0.81	YES	
L0112992	0	0.15596E-02	489308.6	3753906.0	508.6	3.50	9.32	0.81	YES	
L0112993	0	0.15596E-02	489325.7	3753895.6	508.4	3.50	9.32	0.81	YES	
L0112994	0	0.15596E-02	489342.8	3753885.1	508.3	3.50	9.32	0.81	YES	
L0112995	0	0.15596E-02	489359.9	3753874.7	508.2	3.50	9.32	0.81	YES	
L0112996	0	0.15596E-02	489377.0	3753864.2	508.1	3.50	9.32	0.81	YES	
L0112997	0	0.15596E-02	489394.1	3753853.8	508.0	3.50	9.32	0.81	YES	
L0112998	0	0.15596E-02	489411.2	3753843.4	507.9	3.50	9.32	0.81	YES	
L0112999	0	0.15596E-02	489428.3	3753832.9	507.7	3.50	9.32	0.81	YES	
L0113000	0	0.15596E-02	489445.4	3753822.5	507.6	3.50	9.32	0.81	YES	
L0113001	0	0.15596E-02	489462.5	3753812.0	507.5	3.50	9.32	0.81	YES	
L0113002	0	0.15596E-02	489479.6	3753801.6	507.4	3.50	9.32	0.81	YES	
L0113003	0	0.15596E-02	489496.7	3753791.2	507.2	3.50	9.32	0.81	YES	
L0113004	0	0.15596E-02	489513.8	3753780.7	507.1	3.50	9.32	0.81	YES	
L0113005	0	0.15596E-02	489530.9	3753770.3	507.0	3.50	9.32	0.81	YES	

L0113006	0	0.15596E-02	489548.0	3753759.8	506.9	3.50	9.32	0.81	YES
L0113007	0	0.15596E-02	489565.1	3753749.4	506.8	3.50	9.32	0.81	YES
L0113008	0	0.15596E-02	489582.2	3753739.0	506.6	3.50	9.32	0.81	YES
L0113009	0	0.15596E-02	489599.3	3753728.5	506.5	3.50	9.32	0.81	YES
L0113010	0	0.15596E-02	489616.4	3753718.1	506.4	3.50	9.32	0.81	YES
L0113011	0	0.15596E-02	489633.5	3753707.6	506.3	3.50	9.32	0.81	YES
L0113012	0	0.15596E-02	489650.6	3753697.2	506.2	3.50	9.32	0.81	YES
L0113013	0	0.15596E-02	489667.7	3753686.8	506.0	3.50	9.32	0.81	YES
L0113014	0	0.15596E-02	489684.8	3753676.3	505.9	3.50	9.32	0.81	YES
L0113015	0	0.15596E-02	489701.9	3753665.9	505.8	3.50	9.32	0.81	YES
L0113016	0	0.15596E-02	489719.0	3753655.4	505.7	3.50	9.32	0.81	YES
L0113017	0	0.15596E-02	489736.1	3753645.0	505.6	3.50	9.32	0.81	YES
L0113018	0	0.15596E-02	489753.2	3753634.6	505.4	3.50	9.32	0.81	YES
L0113019	0	0.15596E-02	489770.3	3753624.1	505.3	3.50	9.32	0.81	YES

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0113020	0	0.15596E-02	489787.4	3753613.7	505.2	3.50	9.32	0.81	YES	
L0113021	0	0.15596E-02	489804.5	3753603.2	505.1	3.50	9.32	0.81	YES	
L0113022	0	0.15596E-02	489821.6	3753592.8	505.0	3.50	9.32	0.81	YES	
L0113023	0	0.15596E-02	489838.7	3753582.4	504.8	3.50	9.32	0.81	YES	
L0113024	0	0.15596E-02	489855.8	3753571.9	504.7	3.50	9.32	0.81	YES	
L0113025	0	0.15596E-02	489872.9	3753561.5	504.6	3.50	9.32	0.81	YES	
L0113026	0	0.15596E-02	489890.0	3753551.0	504.5	3.50	9.32	0.81	YES	
L0113027	0	0.15596E-02	489907.1	3753540.6	504.4	3.50	9.32	0.81	YES	
L0113028	0	0.15596E-02	489924.2	3753530.2	504.2	3.50	9.32	0.81	YES	
L0113029	0	0.15596E-02	489941.3	3753519.7	504.1	3.50	9.32	0.81	YES	
L0113030	0	0.15596E-02	489958.4	3753509.3	504.0	3.50	9.32	0.81	YES	
L0113031	0	0.15596E-02	489975.5	3753498.8	503.9	3.50	9.32	0.81	YES	
L0113032	0	0.15596E-02	489992.6	3753488.4	503.8	3.50	9.32	0.81	YES	
L0113033	0	0.15596E-02	490009.7	3753478.0	503.6	3.50	9.32	0.81	YES	
L0113034	0	0.15596E-02	490026.7	3753467.5	503.5	3.50	9.32	0.81	YES	
L0113035	0	0.15596E-02	490043.8	3753457.1	503.4	3.50	9.32	0.81	YES	
L0113036	0	0.15596E-02	490060.9	3753446.6	503.3	3.50	9.32	0.81	YES	
L0113037	0	0.15596E-02	490078.0	3753436.2	503.2	3.50	9.32	0.81	YES	
L0113038	0	0.15596E-02	490095.1	3753425.8	503.0	3.50	9.32	0.81	YES	
L0113039	0	0.11962E-02	490104.1	3753442.3	503.9	3.00	9.38	0.70	YES	
L0113040	0	0.11962E-02	490121.5	3753432.0	503.5	3.00	9.38	0.70	YES	
L0113041	0	0.11962E-02	490138.9	3753421.8	503.2	3.00	9.38	0.70	YES	
L0113042	0	0.11962E-02	490156.2	3753411.5	502.8	3.00	9.38	0.70	YES	
L0113043	0	0.11962E-02	490173.6	3753401.2	502.4	3.00	9.38	0.70	YES	
L0113044	0	0.11962E-02	490191.0	3753391.0	502.0	3.00	9.38	0.70	YES	
L0113045	0	0.11962E-02	490208.3	3753380.7	501.6	3.00	9.38	0.70	YES	
L0113046	0	0.11962E-02	490225.7	3753370.4	501.3	3.00	9.38	0.70	YES	
L0113047	0	0.11962E-02	490243.1	3753360.2	500.9	3.00	9.38	0.70	YES	
L0113048	0	0.11962E-02	490260.4	3753349.9	500.5	3.00	9.38	0.70	YES	
L0113049	0	0.11962E-02	490277.8	3753339.7	500.1	3.00	9.38	0.70	YES	
L0113050	0	0.11962E-02	490295.2	3753329.4	499.8	3.00	9.38	0.70	YES	
L0113051	0	0.11962E-02	490312.5	3753319.1	499.4	3.00	9.38	0.70	YES	
L0113052	0	0.11962E-02	490329.9	3753308.9	499.0	3.00	9.38	0.70	YES	
L0113053	0	0.11962E-02	490347.3	3753298.6	498.6	3.00	9.38	0.70	YES	
L0113054	0	0.11962E-02	490364.6	3753288.3	498.2	3.00	9.38	0.70	YES	
L0113055	0	0.11962E-02	490382.0	3753278.1	497.9	3.00	9.38	0.70	YES	
L0113056	0	0.11962E-02	490399.4	3753267.8	497.5	3.00	9.38	0.70	YES	
L0113057	0	0.11962E-02	490416.7	3753257.6	497.1	3.00	9.38	0.70	YES	
L0113058	0	0.11962E-02	490434.1	3753247.3	496.8	3.00	9.38	0.70	YES	
L0113059	0	0.11962E-02	490451.5	3753237.0	496.4	3.00	9.38	0.70	YES	

**MODELOPTS: NonDFAULT CONC ELEV
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L0113060	0	0.11962E-02	490468.8	3753226.8	496.0	3.00	9.38	0.70	YES	
L0113061	0	0.11962E-02	490486.2	3753216.5	495.6	3.00	9.38	0.70	YES	
L0113062	0	0.11962E-02	490503.6	3753206.2	495.2	3.00	9.38	0.70	YES	
L0113063	0	0.11962E-02	490520.9	3753196.0	494.9	3.00	9.38	0.70	YES	
L0113064	0	0.11962E-02	490538.3	3753185.7	494.5	3.00	9.38	0.70	YES	
L0113065	0	0.11962E-02	490555.7	3753175.5	494.1	3.00	9.38	0.70	YES	
L0113066	0	0.11962E-02	490573.0	3753165.2	493.7	3.00	9.38	0.70	YES	
L0113067	0	0.11962E-02	490590.4	3753154.9	493.4	3.00	9.38	0.70	YES	
L0113068	0	0.11962E-02	490607.8	3753144.7	493.0	3.00	9.38	0.70	YES	
L0113069	0	0.11962E-02	490625.1	3753134.4	492.6	3.00	9.38	0.70	YES	
L0113070	0	0.11962E-02	490642.5	3753124.1	492.2	3.00	9.38	0.70	YES	
L0113071	0	0.11962E-02	490657.6	3753111.4	491.7	3.00	9.38	0.70	YES	
L0113072	0	0.11962E-02	490669.5	3753095.1	491.1	3.00	9.38	0.70	YES	
L0113073	0	0.11962E-02	490681.4	3753078.8	490.5	3.00	9.38	0.70	YES	
L0113074	0	0.11962E-02	490693.3	3753062.5	489.8	3.00	9.38	0.70	YES	
L0113075	0	0.11962E-02	490705.2	3753046.2	489.2	3.00	9.38	0.70	YES	
L0113076	0	0.11962E-02	490717.1	3753029.9	488.6	3.00	9.38	0.70	YES	
L0113077	0	0.11962E-02	490729.0	3753013.6	487.9	3.00	9.38	0.70	YES	
L0113078	0	0.11962E-02	490740.9	3752997.3	487.3	3.00	9.38	0.70	YES	
L0113079	0	0.11962E-02	490752.8	3752981.1	486.7	3.00	9.38	0.70	YES	
L0113080	0	0.11962E-02	490764.7	3752964.8	486.0	3.00	9.38	0.70	YES	
L0113081	0	0.11962E-02	490776.6	3752948.5	485.4	3.00	9.38	0.70	YES	
L0113082	0	0.11962E-02	490788.4	3752932.2	484.8	3.00	9.38	0.70	YES	
L0113083	0	0.11962E-02	490800.3	3752915.9	484.1	3.00	9.38	0.70	YES	

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L0113084         0   0.11962E-02  490812.2 3752899.6   483.5     3.00     9.38     0.70     YES
L0113085         0   0.11962E-02  490824.1 3752883.3   482.9     3.00     9.38     0.70     YES
L0113086         0   0.11962E-02  490836.0 3752867.0   482.2     3.00     9.38     0.70     YES
L0113087         0   0.11962E-02  490847.9 3752850.7   481.6     3.00     9.38     0.70     YES
L0113088         0   0.11962E-02  490859.8 3752834.4   480.9     3.00     9.38     0.70     YES
L0113089         0   0.11962E-02  490871.7 3752818.1   480.3     3.00     9.38     0.70     YES
L0113090         0   0.11962E-02  490883.6 3752801.8   479.7     3.00     9.38     0.70     YES
L0113091         0   0.11962E-02  490895.5 3752785.5   479.0     3.00     9.38     0.70     YES
L0113092         0   0.11962E-02  490907.4 3752769.2   478.4     3.00     9.38     0.70     YES
L0113093         0   0.11962E-02  490919.2 3752752.9   477.8     3.00     9.38     0.70     YES
L0113094         0   0.11962E-02  490931.1 3752736.6   477.1     3.00     9.38     0.70     YES
L0113095         0   0.11962E-02  490943.0 3752720.3   476.5     3.00     9.38     0.70     YES
L0113096         0   0.11962E-02  490954.9 3752704.0   475.9     3.00     9.38     0.70     YES
L0113097         0   0.11962E-02  490966.8 3752687.7   475.2     3.00     9.38     0.70     YES
L0113098         0   0.11962E-02  490978.7 3752671.4   474.6     3.00     9.38     0.70     YES
L0113099         0   0.11962E-02  490990.6 3752655.1   474.0     3.00     9.38     0.70     YES
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017         ***        12/19/12
                                    *** NO2 (No Refrigeration)                                                ***        16:16:36
                                                                                                                         PAGE  19
 **MODELOPTs:  NonDFAULT CONC                                                  ELEV
                        FASTALL                                                         OLM

                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.   URBAN  EMISSION RATE
   SOURCE      PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT     SY       SZ     SOURCE  SCALAR VARY
     ID        CATS.                (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)              BY
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

L0113100         0   0.11962E-02  491002.5 3752638.8   473.3     3.00     9.38     0.70     YES
L0113101         0   0.11962E-02  491014.4 3752622.6   472.7     3.00     9.38     0.70     YES
L0113102         0   0.11962E-02  491026.3 3752606.3   472.1     3.00     9.38     0.70     YES
L0113103         0   0.11962E-02  491038.2 3752590.0   471.4     3.00     9.38     0.70     YES
L0113104         0   0.11962E-02  491050.1 3752573.7   470.8     3.00     9.38     0.70     YES
L0113105         0   0.11962E-02  491061.9 3752557.4   470.2     3.00     9.38     0.70     YES
L0113106         0   0.11962E-02  491073.8 3752541.1   469.5     3.00     9.38     0.70     YES
L0113107         0   0.11962E-02  491085.7 3752524.8   468.9     3.00     9.38     0.70     YES
L0113108         0   0.11962E-02  491097.6 3752508.5   468.2     3.00     9.38     0.70     YES
L0113109         0   0.11962E-02  491109.5 3752492.2   467.6     3.00     9.38     0.70     YES
L0113110         0   0.11962E-02  491121.4 3752475.9   467.0     3.00     9.38     0.70     YES
L0113111         0   0.11962E-02  491133.3 3752459.6   466.3     3.00     9.38     0.70     YES
L0113112         0   0.11962E-02  491145.2 3752443.3   465.7     3.00     9.38     0.70     YES
L0113113         0   0.11962E-02  491157.1 3752427.0   465.1     3.00     9.38     0.70     YES
L0113114         0   0.11962E-02  491169.0 3752410.7   464.4     3.00     9.38     0.70     YES
L0113115         0   0.11962E-02  491180.9 3752394.4   463.8     3.00     9.38     0.70     YES
L0113116         0   0.11962E-02  491192.7 3752378.1   463.2     3.00     9.38     0.70     YES
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017         ***        12/19/12
                                    *** NO2 (No Refrigeration)                                                ***        16:16:36
                                                                                                                         PAGE  20
 **MODELOPTs:  NonDFAULT CONC                                                  ELEV
                        FASTALL                                                         OLM

                                                  *** AREAPOLY SOURCE DATA ***

              NUMBER EMISSION RATE   LOCATION OF AREA  BASE     RELEASE  NUMBER      INIT.   URBAN  EMISSION RATE
   SOURCE      PART.  (GRAMS/SEC       X        Y      ELEV.    HEIGHT  OF VERTS.     SZ     SOURCE  SCALAR VARY
     ID        CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS)            (METERS)              BY
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

PHASE1           0   0.33100E-06  485577.5 3755020.4   527.6     3.90      11         0.00     YES
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017         ***        12/19/12
                                    *** NO2 (No Refrigeration)                                                ***        16:16:36
                                                                                                                         PAGE  21
 **MODELOPTs:  NonDFAULT CONC                                                  ELEV
                        FASTALL                                                         OLM

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                 SOURCE IDs


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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017          ***        12/19/12
                                   *** NO2 (No Refrigeration)                                                 ***        16:16:36
                                                                                                                         PAGE  22
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                        FASTALL                                                 OLM

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                 SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017          ***        12/19/12
                                   *** NO2 (No Refrigeration)                                                 ***        16:16:36
                                                                                                                         PAGE  23
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                        FASTALL                                                 OLM

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                 SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017          ***        12/19/12
                                    *** NO2 (No Refrigeration)                                                 ***        16:16:36
                                                                                                                          PAGE  24
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL                                                     OLM

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                  SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017          ***        12/19/12
                                    *** NO2 (No Refrigeration)                                                 ***        16:16:36
                                                                                                                          PAGE  25
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL                                                     OLM

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                  SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017          ***        12/19/12
                                    *** NO2 (No Refrigeration)                                                 ***        16:16:36
                                                                                                                          PAGE  26
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL                                                     OLM

                                        *** SOURCE IDs DEFINING OLM SOURCE GROUPS ***
                                        ***        FOR COMBINING PLUMES           ***

 OLMGRP ID                                                 SOURCE IDs

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          L0112805    , L0112806    , L0112807    , L0112808    , L0112809    , L0112810    , L0112811    , L0112812    ,
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017          ***        12/19/12
                                   *** NO2 (No Refrigeration)                                                  ***        16:16:36
                                                                                                                          PAGE  27
 **MODELOPTS:  NonDFAULT CONC                                                ELEV
                         FASTALL                                                   OLM

                                     *** SOURCE IDs DEFINING OLM SOURCE GROUPS ***
                                     ***        FOR COMBINING PLUMES           ***

 OLMGRP ID                                          SOURCE IDs

          L0112813    , L0112814    , L0112815    , L0112816    , L0112817    , L0112818    , L0112819    , L0112820    ,
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          L0111873    , L0111874    , L0111875    , L0111876    , L0111877    , L0111878    , L0111879    , L0111880    ,
          L0111881    , L0111882    , L0111883    , L0111884    , L0111885    , L0111886    , L0111887    , L0112866    ,
          L0112867    , L0112868    , L0112869    , L0112870    , L0112871    , L0112872    , L0112873    , L0112874    ,
          L0112875    , L0112876    , L0112877    , L0112878    , L0112879    , L0112880    , L0111903    , L0111904    ,
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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017          ***        12/19/12
                                   *** NO2 (No Refrigeration)                                                  ***        16:16:36
                                                                                                                          PAGE  28
 **MODELOPTS:  NonDFAULT CONC                                                ELEV
                         FASTALL                                                   OLM

                                     *** SOURCE IDs DEFINING OLM SOURCE GROUPS ***
                                     ***        FOR COMBINING PLUMES           ***

 OLMGRP ID                                          SOURCE IDs

          L0111977    , L0111978    , L0111979    , L0111980    , L0111981    , L0111982    , L0111983    , L0111984    ,
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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017          ***        12/19/12
                                   *** NO2 (No Refrigeration)                                                  ***        16:16:36
                                                                                                                          PAGE  29
 **MODELOPTs:  NonDFAULT CONC                                                    ELEV
                       FASTALL                                                          OLM

                                        *** SOURCE IDs DEFINING OLM SOURCE GROUPS ***
                                        ***        FOR COMBINING PLUMES           ***

 OLMGRP ID                                                  SOURCE IDs

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          L0113051    , L0113052    , L0113053    , L0113054    , L0113055    , L0113056    , L0113057    , L0113058    ,
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017          ***        12/19/12
                                   *** NO2 (No Refrigeration)                                                  ***        16:16:36
                                                                                                                          PAGE  30
 **MODELOPTs:  NonDFAULT CONC                                                    ELEV
                       FASTALL                                                          OLM

                                        *** SOURCE IDs DEFINING OLM SOURCE GROUPS ***
                                        ***        FOR COMBINING PLUMES           ***

 OLMGRP ID                                                  SOURCE IDs

          L0113059    , L0113060    , L0113061    , L0113062    , L0113063    , L0113064    , L0113065    , L0113066    ,
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          L0113115    , L0113116    ,
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017          ***        12/19/12
                                   *** NO2 (No Refrigeration)                                                  ***        16:16:36
                                                                                                                          PAGE  31
 **MODELOPTs:  NonDFAULT CONC                                                    ELEV
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FASTALL OLM

*** IN-STACK NO2 RATIOS FOR OLM/PVMRM OPTIONS ***

SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO
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L0112752	0.100	L0112753	0.100	L0112754	0.100	L0112755	0.100
L0112756	0.100	L0112757	0.100	L0112758	0.100	L0112759	0.100
L0112760	0.100	L0112761	0.100	L0112762	0.100	L0112763	0.100
L0112764	0.100	L0111674	0.100	L0111675	0.100	L0111676	0.100
L0111677	0.100	L0111678	0.100	L0111679	0.100	L0111680	0.100
L0111681	0.100	L0111682	0.100	L0111683	0.100	L0111684	0.100
L0111685	0.100	L0111686	0.100	L0111687	0.100	L0111688	0.100
L0111689	0.100	L0111690	0.100	L0111691	0.100	L0111692	0.100
L0111693	0.100	L0111694	0.100	L0111695	0.100	L0111696	0.100
L0111697	0.100	L0111698	0.100	L0111699	0.100	L0111700	0.100
L0111701	0.100	L0111702	0.100	L0111703	0.100	L0111704	0.100
L0111705	0.100	L0111706	0.100	L0111707	0.100	L0111708	0.100
L0111709	0.100	L0111710	0.100	L0111711	0.100	L0111712	0.100
L0111713	0.100	L0111714	0.100	L0111715	0.100	L0111716	0.100
L0111717	0.100	L0111718	0.100	L0111719	0.100	L0111720	0.100
L0111721	0.100	L0111722	0.100	L0111723	0.100	L0111724	0.100
L0111725	0.100	L0111726	0.100	L0111727	0.100	L0111728	0.100
L0111729	0.100	L0112765	0.100	L0112766	0.100	L0112767	0.100
L0112768	0.100	L0112769	0.100	L0112770	0.100	L0112771	0.100
L0112772	0.100	L0112773	0.100	L0112774	0.100	L0112775	0.100
L0112776	0.100	L0112777	0.100	L0112778	0.100	L0112779	0.100
L0112780	0.100	L0112781	0.100	L0112782	0.100	L0112783	0.100
L0112784	0.100	L0112785	0.100	L0112786	0.100	L0112787	0.100
L0112788	0.100	L0112789	0.100	L0112790	0.100	L0112791	0.100
L0112792	0.100	L0112793	0.100	L0112794	0.100	L0112795	0.100
L0112796	0.100	L0112797	0.100	L0112798	0.100	L0112799	0.100
L0112800	0.100	L0112801	0.100	L0112802	0.100	L0112803	0.100
L0112804	0.100	L0111770	0.100	L0111771	0.100	L0111772	0.100
L0111773	0.100	L0111774	0.100	L0111775	0.100	L0111776	0.100
L0111777	0.100	L0111778	0.100	L0111779	0.100	L0111780	0.100
L0111781	0.100	L0111782	0.100	L0111783	0.100	L0111784	0.100
L0111785	0.100	L0111786	0.100	L0111787	0.100	L0111788	0.100
L0111789	0.100	L0111790	0.100	L0111791	0.100	L0111792	0.100
L0111793	0.100	L0111794	0.100	L0111795	0.100	L0111796	0.100
L0111797	0.100	L0111798	0.100	L0111799	0.100	L0111800	0.100
L0111801	0.100	L0111802	0.100	L0111803	0.100	L0111804	0.100
L0111805	0.100	L0111806	0.100	L0111807	0.100	L0111808	0.100
L0112805	0.100	L0112806	0.100	L0112807	0.100	L0112808	0.100
L0112809	0.100	L0112810	0.100	L0112811	0.100	L0112812	0.100

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** IN-STACK NO2 RATIOS FOR OLM/PVMRM OPTIONS ***

SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO
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L0112817	0.100	L0112818	0.100	L0112819	0.100	L0112820	0.100
L0112821	0.100	L0112822	0.100	L0112823	0.100	L0112824	0.100
L0112825	0.100	L0112826	0.100	L0112827	0.100	L0112828	0.100
L0112829	0.100	L0112830	0.100	L0112831	0.100	L0112832	0.100
L0112833	0.100	L0112834	0.100	L0112835	0.100	L0112836	0.100
L0112837	0.100	L0112838	0.100	L0112839	0.100	L0112840	0.100
L0112841	0.100	L0112842	0.100	L0112843	0.100	L0112844	0.100
L0112845	0.100	L0112846	0.100	L0112847	0.100	L0112848	0.100
L0112849	0.100	L0112850	0.100	L0112851	0.100	L0112852	0.100
L0112853	0.100	L0112854	0.100	L0112855	0.100	L0112856	0.100
L0112857	0.100	L0112858	0.100	L0112859	0.100	L0112860	0.100
L0112861	0.100	L0112862	0.100	L0112863	0.100	L0112864	0.100
L0112865	0.100	L0111870	0.100	L0111871	0.100	L0111872	0.100
L0111873	0.100	L0111874	0.100	L0111875	0.100	L0111876	0.100
L0111877	0.100	L0111878	0.100	L0111879	0.100	L0111880	0.100
L0111881	0.100	L0111882	0.100	L0111883	0.100	L0111884	0.100
L0111885	0.100	L0111886	0.100	L0111887	0.100	L0112866	0.100
L0112867	0.100	L0112868	0.100	L0112869	0.100	L0112870	0.100
L0112871	0.100	L0112872	0.100	L0112873	0.100	L0112874	0.100
L0112875	0.100	L0112876	0.100	L0112877	0.100	L0112878	0.100
L0112879	0.100	L0112880	0.100	L0111903	0.100	L0111904	0.100
L0111905	0.100	L0111906	0.100	L0111907	0.100	L0111908	0.100
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L0111961	0.100	L0111962	0.100	L0111963	0.100	L0111964	0.100
L0111965	0.100	L0111966	0.100	L0111967	0.100	L0111968	0.100
L0111969	0.100	L0111970	0.100	L0111971	0.100	L0111972	0.100
L0111973	0.100	L0111974	0.100	L0111975	0.100	L0111976	0.100

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** IN-STACK NO2 RATIOS FOR OLM/PVMRM OPTIONS ***

SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO
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L0111989	0.100	L0111990	0.100	L0111991	0.100	L0111992	0.100
L0111993	0.100	L0111994	0.100	L0111995	0.100	L0112881	0.100
L0112882	0.100	L0112883	0.100	L0112884	0.100	L0112885	0.100
L0112886	0.100	L0112887	0.100	L0112888	0.100	L0112889	0.100
L0112890	0.100	L0112891	0.100	L0112892	0.100	L0112893	0.100
L0112894	0.100	L0112501	0.100	L0112502	0.100	L0112503	0.100
L0112504	0.100	L0112505	0.100	L0112506	0.100	L0112507	0.100
L0112508	0.100	L0112509	0.100	L0112510	0.100	L0112511	0.100
L0112512	0.100	L0112513	0.100	L0112514	0.100	L0112515	0.100
L0112516	0.100	L0112517	0.100	L0112518	0.100	L0112519	0.100
L0112520	0.100	L0112521	0.100	L0112522	0.100	L0112523	0.100
L0112524	0.100	L0112525	0.100	L0112526	0.100	L0112036	0.100
L0112037	0.100	L0112038	0.100	L0112039	0.100	L0112040	0.100
L0112041	0.100	L0112042	0.100	L0112043	0.100	L0112044	0.100
L0112045	0.100	L0112046	0.100	L0112047	0.100	L0112048	0.100
L0112049	0.100	L0112050	0.100	L0112051	0.100	L0112052	0.100
L0112053	0.100	L0112054	0.100	L0112055	0.100	L0112056	0.100
L0112057	0.100	L0112058	0.100	L0112059	0.100	L0112060	0.100
L0112061	0.100	L0112062	0.100	L0112063	0.100	L0112064	0.100
L0112895	0.100	L0112896	0.100	L0112897	0.100	L0112898	0.100
L0112899	0.100	L0112900	0.100	L0112071	0.100	L0112072	0.100
L0112073	0.100	L0112074	0.100	L0112075	0.100	L0112076	0.100
L0112077	0.100	L0112078	0.100	L0112079	0.100	L0112080	0.100
L0112081	0.100	L0112082	0.100	L0112083	0.100	L0112084	0.100
L0112085	0.100	L0112086	0.100	L0112087	0.100	L0112088	0.100
L0112089	0.100	L0112090	0.100	L0112091	0.100	L0112092	0.100
L0112093	0.100	L0112094	0.100	L0112095	0.100	L0112096	0.100
L0112097	0.100	L0112098	0.100	L0112099	0.100	L0112100	0.100
L0112101	0.100	L0112102	0.100	L0112103	0.100	L0112104	0.100
L0112105	0.100	L0112106	0.100	L0112107	0.100	L0112108	0.100
L0112109	0.100	L0112110	0.100	L0112111	0.100	L0112112	0.100
L0112113	0.100	L0112114	0.100	L0112115	0.100	L0112116	0.100
L0112117	0.100	L0112118	0.100	L0112119	0.100	L0112120	0.100
L0112121	0.100	L0112122	0.100	L0112123	0.100	L0112124	0.100
L0112125	0.100	L0112126	0.100	L0112127	0.100	L0112128	0.100
L0112129	0.100	L0112130	0.100	L0112131	0.100	L0112132	0.100
L0112133	0.100	L0112134	0.100	L0112135	0.100	L0112136	0.100

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** IN-STACK NO2 RATIOS FOR OLM/PVMRM OPTIONS ***

SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO
L0112137	0.100	L0112138	0.100	L0112901	0.100	L0112902	0.100
L0112903	0.100	L0112904	0.100	L0112905	0.100	L0112906	0.100
L0112907	0.100	L0112908	0.100	L0112909	0.100	L0112910	0.100
L0112911	0.100	L0112912	0.100	L0112913	0.100	L0112914	0.100
L0112915	0.100	L0112916	0.100	L0112917	0.100	L0112918	0.100
L0112919	0.100	L0112920	0.100	L0112921	0.100	L0112922	0.100
L0112923	0.100	L0112924	0.100	L0112925	0.100	L0112926	0.100
L0112927	0.100	L0112928	0.100	L0112929	0.100	L0112930	0.100
L0112931	0.100	L0112932	0.100	L0112933	0.100	L0112934	0.100
L0112935	0.100	L0112936	0.100	L0112937	0.100	L0112938	0.100
L0112939	0.100	L0112940	0.100	L0112941	0.100	L0112942	0.100
L0112943	0.100	L0112944	0.100	L0112945	0.100	L0112946	0.100
L0112947	0.100	L0112948	0.100	L0112949	0.100	L0112950	0.100
L0112951	0.100	L0112952	0.100	L0112953	0.100	L0112954	0.100
L0112955	0.100	L0112956	0.100	L0112957	0.100	L0112958	0.100
L0112959	0.100	L0112960	0.100	L0112961	0.100	L0112962	0.100
L0112963	0.100	L0112964	0.100	L0112965	0.100	L0112966	0.100
L0112967	0.100	L0112968	0.100	L0112969	0.100	L0112970	0.100
L0112971	0.100	L0112972	0.100	L0112973	0.100	L0112974	0.100
L0112975	0.100	L0112976	0.100	L0112977	0.100	L0112978	0.100
L0112979	0.100	L0112980	0.100	L0112981	0.100	L0112982	0.100
L0112983	0.100	L0112984	0.100	L0112985	0.100	L0112986	0.100
L0112987	0.100	L0112988	0.100	L0112989	0.100	L0112990	0.100
L0112991	0.100	L0112992	0.100	L0112993	0.100	L0112994	0.100
L0112995	0.100	L0112996	0.100	L0112997	0.100	L0112998	0.100
L0112999	0.100	L0113000	0.100	L0113001	0.100	L0113002	0.100
L0113003	0.100	L0113004	0.100	L0113005	0.100	L0113006	0.100
L0113007	0.100	L0113008	0.100	L0113009	0.100	L0113010	0.100
L0113011	0.100	L0113012	0.100	L0113013	0.100	L0113014	0.100
L0113015	0.100	L0113016	0.100	L0113017	0.100	L0113018	0.100
L0113019	0.100	L0113020	0.100	L0113021	0.100	L0113022	0.100
L0113023	0.100	L0113024	0.100	L0113025	0.100	L0113026	0.100
L0113027	0.100	L0113028	0.100	L0113029	0.100	L0113030	0.100
L0113031	0.100	L0113032	0.100	L0113033	0.100	L0113034	0.100
L0113035	0.100	L0113036	0.100	L0113037	0.100	L0113038	0.100
L0113039	0.100	L0113040	0.100	L0113041	0.100	L0113042	0.100
L0113043	0.100	L0113044	0.100	L0113045	0.100	L0113046	0.100
L0113047	0.100	L0113048	0.100	L0113049	0.100	L0113050	0.100
L0113051	0.100	L0113052	0.100	L0113053	0.100	L0113054	0.100
L0113055	0.100	L0113056	0.100	L0113057	0.100	L0113058	0.100

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** IN-STACK NO2 RATIOS FOR OLM/PVMRM OPTIONS ***

SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO
L0113059	0.100	L0113060	0.100	L0113061	0.100	L0113062	0.100
L0113063	0.100	L0113064	0.100	L0113065	0.100	L0113066	0.100
L0113067	0.100	L0113068	0.100	L0113069	0.100	L0113070	0.100
L0113071	0.100	L0113072	0.100	L0113073	0.100	L0113074	0.100
L0113075	0.100	L0113076	0.100	L0113077	0.100	L0113078	0.100
L0113079	0.100	L0113080	0.100	L0113081	0.100	L0113082	0.100
L0113083	0.100	L0113084	0.100	L0113085	0.100	L0113086	0.100
L0113087	0.100	L0113088	0.100	L0113089	0.100	L0113090	0.100
L0113091	0.100	L0113092	0.100	L0113093	0.100	L0113094	0.100
L0113095	0.100	L0113096	0.100	L0113097	0.100	L0113098	0.100
L0113099	0.100	L0113100	0.100	L0113101	0.100	L0113102	0.100
L0113103	0.100	L0113104	0.100	L0113105	0.100	L0113106	0.100
L0113107	0.100	L0113108	0.100	L0113109	0.100	L0113110	0.100
L0113111	0.100	L0113112	0.100	L0113113	0.100	L0113114	0.100
L0113115	0.100	L0113116	0.100				

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

461553.0, 462553.0, 463553.0, 464553.0, 465553.0, 466553.0, 467553.0, 468553.0, 469553.0, 470553.0,
471553.0, 472553.0, 473553.0, 474553.0, 475553.0, 476553.0, 477553.0, 478553.0, 479553.0, 480553.0,
481553.0, 482553.0, 483553.0, 484553.0, 485553.0, 486553.0, 487553.0, 488553.0, 489553.0, 490553.0,
491553.0, 492553.0, 493553.0, 494553.0, 495553.0, 496553.0, 497553.0, 498553.0, 499553.0, 500553.0,
501553.0, 502553.0, 503553.0, 504553.0, 505553.0,

*** Y-COORDINATES OF GRID ***
(METERS)

3741938.3, 3742938.3, 3743938.3, 3744938.3, 3745938.3, 3746938.3, 3747938.3, 3748938.3, 3749938.3, 3750938.3,
3751938.3, 3752938.3, 3753938.3, 3754938.3, 3755938.3, 3756938.3, 3757938.3, 3758938.3, 3759938.3, 3760938.3,
3761938.3, 3762938.3, 3763938.3, 3764938.3, 3765938.3, 3766938.3, 3767938.3,

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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	317.90	315.50	311.70	305.80	301.50	279.60	278.50	272.60	279.20
3766938.31	336.30	305.50	294.90	294.00	283.00	268.30	267.10	395.80	277.90
3765938.31	325.60	405.70	301.30	289.30	287.10	261.20	293.50	397.30	291.80
3764938.31	311.30	365.90	350.10	293.30	273.50	258.00	261.00	288.90	288.10
3763938.31	295.70	394.50	275.10	267.50	248.90	253.00	257.10	276.60	299.60
3762938.31	266.30	266.90	261.00	243.60	247.90	254.20	263.80	281.00	306.80
3761938.31	242.70	240.00	239.10	241.70	250.50	255.90	268.10	287.50	312.50
3760938.31	227.40	232.20	233.60	267.10	260.30	266.80	279.00	295.10	323.80
3759938.31	231.00	227.90	306.60	254.10	267.80	278.00	287.90	303.00	326.30
3758938.31	225.00	236.10	253.00	263.10	271.10	278.30	294.20	306.30	325.20
3757938.31	242.90	247.20	257.60	287.20	273.70	269.10	286.50	309.40	333.40
3756938.31	240.20	249.30	257.40	270.00	287.90	314.60	321.20	305.30	333.60
3755938.31	246.00	257.10	266.10	276.80	293.20	340.60	359.10	392.00	355.20
3754938.31	248.50	260.00	276.80	296.00	315.10	378.50	397.50	424.40	446.50
3753938.31	260.60	269.80	285.70	300.20	343.20	384.50	408.70	459.30	492.70
3752938.31	270.20	283.70	306.80	324.20	359.90	410.50	453.20	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	370.10	406.50	435.60	459.70	473.80
3750938.31	302.60	319.90	344.80	357.00	359.90	410.40	467.40	475.40	487.80
3749938.31	329.00	337.50	391.80	442.20	444.30	439.90	466.10	486.40	501.00
3748938.31	396.00	335.40	377.80	424.70	452.80	466.30	492.50	530.60	513.50
3747938.31	427.10	444.20	382.70	398.40	434.20	525.50	527.90	535.40	508.80
3746938.31	441.20	476.80	468.20	415.80	447.50	476.50	480.20	486.90	492.60
3745938.31	443.70	473.10	464.50	438.00	420.80	444.80	467.60	496.10	513.30
3744938.31	430.60	450.90	441.80	434.80	446.20	468.50	540.20	507.00	518.10
3743938.31	417.00	420.10	430.30	443.00	447.20	451.30	469.00	476.40	478.80
3742938.31	435.90	446.30	466.50	498.00	501.00	511.50	481.80	517.80	556.40
3741938.31	474.60	533.00	551.60	552.10	619.20	572.30	597.50	653.00	564.20

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - Project-Related LST Assessment 2017 *** 12/19/12
*** NO2 (No Refrigeration) *** 16:16:36
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	283.60	289.00	304.20	312.00	323.50	341.00	348.00	353.60	357.50
3766938.31	301.20	333.70	340.60	336.20	384.40	409.90	380.20	386.80	384.50
3765938.31	313.20	342.50	448.10	359.20	407.10	458.80	482.50	461.70	459.60
3764938.31	311.10	346.40	657.00	455.30	395.40	467.20	504.80	545.20	510.30
3763938.31	325.70	353.10	435.90	504.40	420.40	430.90	500.60	554.40	626.90
3762938.31	318.70	356.60	382.20	408.20	498.60	534.40	470.90	509.90	539.10
3761938.31	411.70	551.30	580.90	449.90	615.40	776.00	690.30	617.60	548.30

3760938.31	399.70	469.40	625.60	642.80	582.20	632.10	814.90	830.10	632.90
3759938.31	352.70	380.50	666.10	820.90	599.20	547.70	579.10	784.30	625.60
3758938.31	356.30	404.00	732.30	830.30	615.10	544.90	541.10	565.00	602.60
3757938.31	390.90	429.40	509.10	790.60	782.00	562.30	524.60	545.10	576.90
3756938.31	396.60	462.40	469.80	513.40	695.40	563.20	521.90	516.20	540.60
3755938.31	451.40	484.60	457.40	488.80	514.90	515.10	503.90	508.20	511.80
3754938.31	462.00	468.90	467.80	474.40	483.10	495.10	497.10	497.00	496.10
3753938.31	485.80	444.20	462.50	468.20	470.10	483.70	489.90	488.60	488.00
3752938.31	496.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	499.70	534.90	498.40	478.90	472.10	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	472.60	465.30	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	467.20	456.80	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	476.10	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	454.60	452.80	451.90
3746938.31	525.30	513.50	511.80	533.20	519.10	469.50	454.30	454.50	447.50
3745938.31	546.30	513.20	510.80	517.60	521.80	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	533.40	477.40	461.80	449.40	445.80
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	522.10	528.30	527.90	518.60	512.50	490.80	475.50	452.00	447.80
3741938.31	593.90	581.10	555.50	534.60	537.70	549.40	498.00	460.30	442.90

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	373.90	406.60	408.60	429.30	457.00	476.70	495.00	534.80	562.90
3765938.31	441.20	390.60	450.20	458.00	486.40	516.70	539.40	562.30	602.20
3764938.31	472.90	447.20	408.10	450.00	508.00	549.40	579.80	596.40	630.70
3763938.31	573.90	480.90	465.10	443.30	451.50	526.90	616.60	643.00	665.40
3762938.31	633.40	621.10	497.10	513.60	500.30	473.20	549.60	558.50	597.70
3761938.31	633.80	696.10	578.40	595.10	536.00	493.00	521.50	573.40	589.70
3760938.31	612.70	771.50	774.50	667.50	632.60	595.90	532.50	510.00	543.10
3759938.31	750.20	721.00	823.40	796.40	718.30	624.10	577.90	559.90	566.90
3758938.31	769.50	817.80	682.00	715.80	715.30	649.00	632.00	705.60	627.80
3757938.31	654.20	735.40	726.40	625.20	646.60	603.80	643.90	673.20	703.70
3756938.31	578.40	596.10	632.00	636.80	574.80	581.40	584.90	593.20	633.90
3755938.31	534.90	550.50	557.10	551.80	558.10	556.20	551.80	549.40	578.00
3754938.31	501.90	518.80	513.20	530.30	535.20	537.10	527.60	525.60	526.30
3753938.31	484.50	494.20	500.90	507.30	527.20	515.60	503.90	503.00	496.40
3752938.31	472.20	481.00	482.10	483.90	484.30	487.50	488.10	487.40	479.60
3751938.31	472.00	468.70	466.60	469.20	467.20	475.60	513.80	650.90	533.40
3750938.31	462.20	464.30	454.80	461.90	476.80	531.30	771.00	658.60	548.10
3749938.31	461.90	456.70	491.00	524.00	524.30	563.50	580.90	550.10	513.70
3748938.31	453.60	458.80	528.40	666.50	545.30	516.50	507.70	500.10	534.60
3747938.31	448.80	453.60	630.60	614.60	504.60	497.40	478.00	495.60	566.60
3746938.31	443.40	457.10	486.30	478.00	478.00	478.00	478.00	535.10	465.60
3745938.31	444.60	444.00	451.50	478.00	478.00	478.00	544.70	620.50	435.80
3744938.31	442.20	442.80	446.20	452.70	478.00	491.40	688.80	460.70	434.70
3743938.31	442.20	443.90	443.80	449.80	518.60	704.30	461.70	433.40	439.40
3742938.31	443.00	436.50	441.80	460.50	485.80	462.50	436.60	434.40	437.20
3741938.31	440.00	440.00	443.20	464.70	494.00	451.40	435.10	436.80	444.80

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	585.60	659.90	750.50	849.50	964.60	887.60	799.80	842.60
3766938.31	620.90	644.20	726.40	740.70	749.70	765.90	746.90	783.40	825.20
3765938.31	647.50	671.10	648.30	644.30	667.00	700.80	752.10	785.40	821.00
3764938.31	645.70	628.90	634.80	634.90	658.40	717.30	744.10	769.90	803.90
3763938.31	641.80	636.10	611.10	647.70	662.20	696.20	735.10	762.10	788.90
3762938.31	567.80	579.90	612.80	639.70	683.70	703.20	737.10	760.10	788.60
3761938.31	645.00	662.30	670.20	680.00	684.30	717.00	734.10	758.40	782.00
3760938.31	605.10	665.70	651.20	671.30	699.20	686.90	709.50	748.60	777.00
3759938.31	554.60	565.70	601.70	627.90	662.80	672.60	705.00	707.60	735.00
3758938.31	691.80	646.90	606.20	641.40	617.10	646.90	656.00	701.50	705.00
3757938.31	708.00	700.40	691.40	714.50	700.80	636.00	691.20	708.50	717.50
3756938.31	671.60	698.80	672.20	693.20	762.30	676.60	660.50	722.70	744.70
3755938.31	584.70	625.90	643.00	724.20	685.50	740.50	714.80	678.00	696.50
3754938.31	538.80	559.60	583.70	611.70	661.10	631.20	658.60	711.00	714.10
3753938.31	497.80	504.20	536.20	577.90	576.60	604.60	594.70	629.30	712.60
3752938.31	476.00	484.00	483.20	521.60	511.20	551.60	565.60	597.80	713.90
3751938.31	461.80	464.20	456.50	460.80	483.90	546.20	559.10	588.10	668.30
3750938.31	452.20	443.30	437.30	433.00	456.70	508.60	521.70	564.30	641.50
3749938.31	440.90	437.90	432.30	428.00	441.00	462.30	480.10	618.00	616.20
3748938.31	447.80	435.20	433.30	430.10	431.40	434.70	436.80	562.80	649.90
3747938.31	441.10	433.70	435.40	437.00	430.60	428.00	432.60	441.60	530.80
3746938.31	435.20	470.70	436.80	436.10	434.50	439.70	433.90	437.50	452.70
3745938.31	432.10	434.70	437.10	439.10	440.90	438.60	438.10	435.60	446.20
3744938.31	435.10	440.90	436.10	438.20	441.30	441.00	441.10	438.90	439.20
3743938.31	445.10	447.60	443.00	442.10	473.20	470.40	440.10	441.00	440.30
3742938.31	453.00	463.60	463.40	470.40	558.30	719.10	644.10	446.20	448.60
3741938.31	459.30	477.60	489.00	576.80	623.40	693.40	713.10	512.00	449.70

**MODELOPTS: NonDFAULT CONC ELEV

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	884.20	929.90	993.80	1066.90	1171.60	1243.50	1319.20	1434.80	1630.30
3766938.31	883.00	946.60	1050.80	1085.60	1198.10	1517.00	1503.00	1502.80	1502.40
3765938.31	883.90	1004.20	1177.00	1131.40	1192.90	1410.70	1471.10	1478.60	1400.30
3764938.31	850.10	947.40	1013.60	1008.70	1179.60	1281.10	1301.70	1306.10	1382.20
3763938.31	829.40	857.30	905.40	964.90	1044.10	1180.20	1202.20	1179.70	1257.70
3762938.31	822.50	865.90	944.60	1007.70	1037.60	1078.00	1127.90	1158.40	1182.30
3761938.31	809.00	878.30	953.60	1169.40	1036.50	1099.60	1048.30	1047.60	1121.70
3760938.31	787.90	883.00	940.40	982.90	1006.80	962.30	991.10	1006.40	1068.70
3759938.31	799.00	833.90	872.10	865.40	882.00	901.80	917.10	980.90	1014.00
3758938.31	739.80	775.50	823.60	827.30	844.80	866.20	876.00	896.40	973.80
3757938.31	745.50	766.60	789.80	806.10	812.70	836.20	847.10	869.00	891.20
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	796.10	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	733.70	739.00	748.20	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	698.30	742.60	758.40	806.00	784.40	793.40	782.90	776.00	774.50
3751938.31	688.50	698.30	788.50	827.60	779.20	816.00	826.50	776.50	765.50
3750938.31	637.60	658.70	761.70	746.60	753.10	763.30	778.20	767.10	824.50
3749938.31	565.10	605.60	688.00	741.70	730.60	768.40	748.50	743.00	742.90
3748938.31	600.40	581.60	634.10	689.10	721.10	712.00	735.90	695.10	721.80
3747938.31	612.80	550.40	629.60	635.50	674.00	749.80	680.90	680.10	661.60
3746938.31	475.00	519.90	658.40	668.60	636.20	659.50	635.50	626.90	644.80
3745938.31	457.70	478.30	548.30	576.50	593.60	572.70	612.10	688.50	733.30
3744938.31	445.20	446.70	455.30	487.90	797.60	730.60	713.70	991.50	924.10
3743938.31	441.00	442.60	443.20	451.00	524.60	831.50	1033.10	970.20	1073.70
3742938.31	441.80	443.80	445.20	450.00	460.10	583.10	792.30	1036.30	1119.40
3741938.31	445.60	445.70	445.30	450.20	453.60	459.80	469.30	669.80	974.60

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	677.00	570.00	311.70	305.80	301.50	279.60	328.00	406.00	735.00
3766938.31	677.00	677.00	478.00	303.00	283.00	289.00	434.00	406.00	735.00
3765938.31	677.00	478.00	518.00	478.00	287.10	429.00	434.00	434.00	735.00
3764938.31	677.00	518.00	518.00	518.00	273.50	258.00	434.00	735.00	735.00
3763938.31	677.00	518.00	518.00	518.00	248.90	253.00	257.10	735.00	758.00
3762938.31	677.00	518.00	518.00	518.00	247.90	259.00	580.00	735.00	905.00
3761938.31	518.00	518.00	518.00	373.00	250.50	255.90	580.00	905.00	932.00
3760938.31	227.40	392.00	392.00	392.00	260.30	266.80	580.00	932.00	932.00
3759938.31	231.00	392.00	392.00	392.00	267.80	278.00	905.00	932.00	932.00
3758938.31	225.00	251.00	253.00	263.10	271.10	278.30	905.00	932.00	932.00
3757938.31	242.90	247.20	257.60	343.00	319.00	294.00	905.00	932.00	932.00
3756938.31	240.20	249.30	257.40	318.00	287.90	314.60	330.00	932.00	932.00
3755938.31	246.00	257.10	266.10	276.80	432.00	432.00	359.10	404.00	932.00
3754938.31	248.50	260.00	276.80	296.00	432.00	432.00	397.50	427.00	459.00
3753938.31	260.60	269.80	337.00	300.20	372.00	401.00	408.70	459.30	492.70
3752938.31	270.20	288.00	306.80	324.20	359.90	439.00	470.00	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	374.00	498.00	498.00	466.00	473.80
3750938.31	302.60	319.90	344.80	384.00	359.90	472.00	467.40	475.40	487.80
3749938.31	411.00	337.50	458.00	458.00	446.00	448.00	466.10	486.40	501.00
3748938.31	405.00	480.00	395.00	424.70	455.00	466.30	492.50	543.00	513.50
3747938.31	428.00	456.00	498.00	398.40	559.00	559.00	537.00	535.40	508.80
3746938.31	441.20	476.80	488.00	445.00	447.50	476.50	480.20	486.90	492.60
3745938.31	445.00	478.00	468.00	438.00	420.80	450.00	467.60	496.10	513.30
3744938.31	464.00	450.90	441.80	434.80	451.00	501.00	540.20	507.00	518.10
3743938.31	417.00	422.00	430.30	632.00	633.00	633.00	661.00	685.00	478.80
3742938.31	597.00	710.00	710.00	632.00	633.00	633.00	687.00	687.00	687.00
3741938.31	710.00	710.00	710.00	736.00	633.00	602.00	661.00	680.00	734.00

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	735.00	735.00	735.00	735.00	735.00	341.00	348.00	353.60	357.50
3766938.31	735.00	735.00	735.00	735.00	735.00	481.00	563.00	634.00	642.00
3765938.31	735.00	735.00	735.00	841.00	735.00	461.00	563.00	635.00	644.00
3764938.31	735.00	758.00	735.00	735.00	941.00	941.00	941.00	941.00	941.00
3763938.31	867.00	867.00	856.00	856.00	941.00	941.00	941.00	941.00	634.00
3762938.31	932.00	932.00	941.00	941.00	941.00	941.00	941.00	941.00	941.00
3761938.31	905.00	850.00	867.00	941.00	941.00	874.00	941.00	941.00	941.00
3760938.31	932.00	932.00	905.00	905.00	941.00	941.00	941.00	941.00	941.00
3759938.31	932.00	932.00	932.00	867.00	941.00	941.00	941.00	941.00	941.00
3758938.31	932.00	932.00	932.00	905.00	932.00	941.00	941.00	941.00	941.00
3757938.31	932.00	932.00	932.00	932.00	932.00	941.00	941.00	941.00	941.00
3756938.31	932.00	932.00	932.00	932.00	932.00	932.00	941.00	941.00	890.00
3755938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	890.00
3754938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	497.00	496.10

3753938.31	485.80	932.00	932.00	932.00	932.00	932.00	489.90	488.60	488.00
3752938.31	509.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	509.00	541.00	503.00	478.90	479.00	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	479.00	490.00	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	468.00	490.00	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	478.00	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	462.00	452.80	451.90
3746938.31	566.00	513.50	511.80	536.00	519.10	469.50	454.30	454.50	457.00
3745938.31	559.00	513.20	510.80	517.60	540.00	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	548.00	477.40	461.80	449.40	447.00
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	734.00	528.30	527.90	518.60	515.00	490.80	475.50	455.00	452.00
3741938.31	734.00	734.00	555.50	534.60	537.70	549.40	597.00	460.30	442.90

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	537.00	406.60	408.60	429.30	457.00	516.00	508.00	534.80	565.00
3765938.31	644.00	537.00	495.00	525.00	493.00	516.70	539.40	588.00	645.00
3764938.31	941.00	687.00	858.00	525.00	523.00	575.00	579.80	596.40	666.00
3763938.31	687.00	941.00	858.00	858.00	858.00	623.00	625.00	643.00	677.00
3762938.31	941.00	782.00	858.00	858.00	858.00	641.00	581.00	693.00	693.00
3761938.31	941.00	858.00	858.00	858.00	858.00	858.00	555.00	616.00	654.00
3760938.31	941.00	824.00	858.00	858.00	858.00	802.00	771.00	751.00	654.00
3759938.31	887.00	890.00	833.00	829.00	802.00	771.00	771.00	774.00	774.00
3758938.31	890.00	890.00	890.00	829.00	741.00	731.00	751.00	751.00	774.00
3757938.31	890.00	890.00	890.00	890.00	684.00	603.80	738.00	774.00	774.00
3756938.31	890.00	890.00	890.00	682.00	574.80	581.40	584.90	774.00	774.00
3755938.31	890.00	890.00	890.00	721.00	558.10	556.20	551.80	549.40	607.00
3754938.31	890.00	890.00	518.00	530.30	617.00	537.10	527.60	525.60	528.00
3753938.31	484.50	494.20	500.90	617.00	617.00	615.00	811.00	811.00	777.00
3752938.31	472.20	481.00	482.10	483.90	811.00	811.00	811.00	811.00	811.00
3751938.31	472.00	468.70	466.60	798.00	811.00	811.00	811.00	811.00	811.00
3750938.31	462.20	741.00	777.00	798.00	811.00	811.00	798.00	811.00	811.00
3749938.31	766.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00	811.00
3748938.31	777.00	777.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00
3747938.31	777.00	777.00	777.00	777.00	777.00	810.00	811.00	810.00	804.00
3746938.31	777.00	777.00	777.00	777.00	810.00	810.00	810.00	810.00	810.00
3745938.31	444.60	777.00	777.00	810.00	810.00	810.00	810.00	810.00	810.00
3744938.31	442.20	442.80	757.00	810.00	810.00	810.00	810.00	810.00	810.00
3743938.31	442.20	443.90	757.00	810.00	810.00	757.00	810.00	810.00	810.00
3742938.31	443.00	436.50	757.00	757.00	810.00	810.00	810.00	810.00	810.00
3741938.31	440.00	443.00	757.00	757.00	757.00	810.00	810.00	810.00	444.80

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	985.00	1018.00	1018.00	1018.00	985.00	1018.00	1656.00	1771.00
3766938.31	626.00	757.00	757.00	985.00	1018.00	1018.00	1611.00	1677.00	1771.00
3765938.31	663.00	671.10	784.00	1018.00	1018.00	1018.00	1611.00	1677.00	1771.00
3764938.31	681.00	628.90	634.80	634.90	985.00	717.30	1611.00	1677.00	1740.00
3763938.31	668.00	687.00	638.00	664.00	690.00	721.00	735.10	1677.00	1677.00
3762938.31	686.00	682.00	684.00	690.00	689.00	720.00	737.10	1611.00	1677.00
3761938.31	686.00	678.00	682.00	691.00	705.00	717.00	734.10	758.40	1677.00
3760938.31	697.00	685.00	677.00	715.00	708.00	696.00	723.00	776.00	785.00
3759938.31	769.00	755.00	701.00	715.00	717.00	708.00	705.00	707.60	1200.00
3758938.31	755.00	762.00	764.00	648.00	712.00	677.00	736.00	710.00	705.00
3757938.31	769.00	764.00	764.00	748.00	730.00	794.00	736.00	712.00	730.00
3756938.31	760.00	761.00	764.00	763.00	794.00	794.00	735.00	728.00	744.70
3755938.31	760.00	760.00	683.00	727.00	794.00	768.00	742.00	678.00	717.00
3754938.31	546.00	639.00	627.00	727.00	711.00	768.00	747.00	739.00	757.00
3753938.31	777.00	569.00	596.00	581.00	692.00	653.00	745.00	771.00	771.00
3752938.31	811.00	777.00	575.00	529.00	628.00	615.00	625.00	771.00	746.00
3751938.31	811.00	777.00	461.00	460.80	578.00	546.20	592.00	746.00	709.00
3750938.31	811.00	811.00	437.30	433.00	456.70	518.00	713.00	713.00	680.00
3749938.31	811.00	811.00	432.30	428.00	441.00	713.00	713.00	713.00	713.00
3748938.31	811.00	729.00	729.00	432.00	439.00	713.00	713.00	713.00	663.00
3747938.31	804.00	804.00	729.00	437.00	430.60	428.00	713.00	713.00	663.00
3746938.31	810.00	804.00	599.00	436.10	434.50	439.70	433.90	653.00	663.00
3745938.31	810.00	804.00	437.10	439.10	796.00	796.00	438.10	435.60	446.20
3744938.31	810.00	804.00	436.10	796.00	796.00	796.00	796.00	796.00	439.20
3743938.31	810.00	447.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3742938.31	453.00	463.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3741938.31	459.30	477.60	796.00	796.00	796.00	796.00	781.00	796.00	796.00

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD | X-COORD (METERS)

(METERS)	497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3766938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1641.00	1771.00	1771.00	1771.00
3765938.31	1771.00	1771.00	1677.00	1771.00	1771.00	1677.00	1677.00	1771.00	1771.00
3764938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3763938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3762938.31	1677.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3761938.31	1677.00	1677.00	1677.00	1183.00	1677.00	1677.00	1771.00	1771.00	1771.00
3760938.31	1677.00	1611.00	1677.00	1677.00	1677.00	1771.00	1771.00	1771.00	1677.00
3759938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1771.00	1771.00	1677.00	1333.00
3758938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1677.00	1677.00	1677.00	1058.00
3757938.31	748.00	766.60	1200.00	1200.00	1194.00	836.20	847.10	1058.00	1058.00
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	799.00	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	754.00	772.00	780.00	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	741.00	744.00	859.00	818.00	784.40	793.40	782.90	776.00	774.50
3751938.31	702.00	859.00	869.00	869.00	781.00	816.00	826.50	936.00	936.00
3750938.31	679.00	869.00	799.00	869.00	792.00	773.00	791.00	936.00	936.00
3749938.31	782.00	860.00	774.00	749.00	819.00	819.00	753.00	936.00	936.00
3748938.31	644.00	670.00	716.00	711.00	783.00	783.00	745.00	748.00	726.00
3747938.31	618.00	800.00	800.00	800.00	830.00	830.00	1129.00	1147.00	1147.00
3746938.31	800.00	800.00	800.00	800.00	1147.00	1147.00	1168.00	1168.00	1168.00
3745938.31	800.00	1133.00	1133.00	1147.00	1168.00	1168.00	1168.00	1168.00	1168.00
3744938.31	1129.00	1147.00	1168.00	1168.00	1133.00	1168.00	1168.00	1016.00	1168.00
3743938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1133.00	1168.00	1078.00
3742938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00
3741938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

484551.7, 484651.7, 484751.7, 484851.7, 484951.7, 485051.7, 485151.7, 485251.7, 485351.7, 485451.7,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.4, 3751034.4, 3751134.4, 3751234.4, 3751334.4, 3751434.4, 3751534.4, 3751634.4, 3751734.4, 3751834.4,
3751934.4, 3752034.4, 3752134.4, 3752234.4, 3752334.4, 3752434.4, 3752534.4, 3752634.4, 3752734.4, 3752834.4,
3752934.4, 3753034.4, 3753134.4, 3753234.4, 3753334.4, 3753434.4, 3753534.4, 3753634.4, 3753734.4, 3753834.4,
3753934.4, 3754034.4, 3754134.4, 3754234.4, 3754334.4, 3754434.4, 3754534.4, 3754634.4,

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	524.70	525.20	523.10	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	523.30	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	521.50	520.70	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	518.70	518.40	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	516.90	518.10	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	518.10	514.80	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	517.70	512.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	515.80	511.30	512.10	511.60	512.10	508.80	506.80	509.90	509.10
3753834.43	510.50	509.90	507.90	511.00	507.90	508.00	508.50	506.70	502.40
3753734.43	507.90	507.90	506.50	506.80	505.40	503.10	508.40	504.90	503.30
3753634.43	505.40	508.10	501.40	503.70	503.70	503.30	503.20	503.00	502.00
3753534.43	502.40	500.60	501.10	505.00	504.30	501.80	501.10	498.80	499.90
3753434.43	498.20	500.10	501.50	501.30	502.50	501.60	499.50	497.50	498.00
3753334.43	498.80	499.20	497.80	498.20	498.30	499.50	497.40	496.00	496.90
3753234.43	496.80	496.00	496.70	497.80	496.40	495.20	496.20	494.90	496.00
3753134.43	498.10	497.00	494.60	493.00	495.50	495.30	497.10	492.90	491.50
3753034.43	494.30	493.10	494.60	493.00	494.00	492.80	493.70	491.30	491.10
3752934.43	487.60	488.10	490.80	488.60	490.80	489.70	490.10	490.20	488.40
3752834.43	488.90	488.00	489.10	488.80	488.50	487.50	487.80	490.40	486.40
3752734.43	486.30	487.90	485.40	485.50	485.30	487.90	484.30	486.00	484.80
3752634.43	486.90	484.10	487.00	485.90	483.90	490.10	488.80	486.00	483.20
3752534.43	483.40	482.40	478.60	483.50	481.50	482.10	483.90	481.50	482.60
3752434.43	480.00	484.30	482.60	483.00	481.10	477.10	483.10	479.20	483.50
3752334.43	478.40	481.10	480.70	479.00	480.30	479.30	481.40	480.90	483.80
3752234.43	475.80	477.00	481.50	478.90	478.30	472.50	481.10	479.50	483.70
3752134.43	475.40	478.80	479.20	479.80	480.70	479.50	480.70	485.90	491.70
3752034.43	480.20	481.20	476.20	478.10	482.00	478.70	482.40	487.10	493.80
3751934.43	475.60	477.20	479.30	478.60	479.40	482.60	487.80	490.10	497.20
3751834.43	475.90	478.80	480.40	483.60	480.90	486.20	491.70	498.90	506.50
3751734.43	482.60	483.70	490.40	491.10	488.70	490.80	495.50	501.30	512.70
3751634.43	487.30	492.60	492.30	493.50	495.90	493.70	501.30	512.90	527.00
3751534.43	490.70	494.00	501.90	502.10	505.60	504.10	514.20	535.70	561.00
3751434.43	495.40	502.10	507.10	510.40	512.40	522.30	540.90	563.70	601.20
3751334.43	500.20	504.10	509.30	515.40	516.70	531.00	556.50	596.00	635.10
3751234.43	504.80	510.60	515.40	521.50	530.10	547.10	570.50	612.20	650.20
3751134.43	512.40	513.00	516.40	540.90	547.30	559.70	574.00	609.80	636.10
3751034.43	514.10	518.70	538.20	566.60	558.70	570.80	594.70	631.60	660.00
3750934.43	532.10	531.70	564.30	576.10	577.60	587.10	618.00	658.00	693.50

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	516.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	507.50
3753934.43	507.60
3753834.43	504.10
3753734.43	502.70
3753634.43	500.40
3753534.43	500.80
3753434.43	497.40
3753334.43	496.10
3753234.43	494.70
3753134.43	492.30
3753034.43	491.70
3752934.43	485.90
3752834.43	487.20
3752734.43	485.10
3752634.43	485.10
3752534.43	484.10
3752434.43	485.40
3752334.43	484.70
3752234.43	491.00
3752134.43	493.80
3752034.43	502.20
3751934.43	504.90
3751834.43	515.40
3751734.43	523.90
3751634.43	548.80
3751534.43	594.90
3751434.43	642.40
3751334.43	689.90
3751234.43	687.90
3751134.43	679.30
3751034.43	697.10
3750934.43	732.40

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	615.00	527.00	526.00	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	615.00	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	616.00	615.00	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	616.00	615.00	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	616.00	615.00	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	616.00	615.00	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	615.00	615.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	615.00	559.00	512.10	511.60	512.10	508.80	811.00	811.00	811.00
3753834.43	615.00	559.00	507.90	511.00	811.00	811.00	811.00	811.00	811.00
3753734.43	613.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3750934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00

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**MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL                                                 OLM

                                 *** NETWORK ID: UCART3   ;  NETWORK TYPE: GRIDCART ***

                                            * HILL HEIGHT SCALES IN METERS *

   Y-COORD  |                                          X-COORD (METERS)
   (METERS) |     485451.71
- - - -
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 3751234.90 |        708.30       736.50       713.70       692.00
 3751134.90 |        720.70       748.90       725.50       720.30
 3751034.90 |        744.10       769.60       738.00       734.40
 3750934.90 |        771.00       782.40       753.40       754.20
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017         ***        12/19/12
                                    *** NO2 (No Refrigeration)                                                ***        16:16:36
                                                                                                                         PAGE  54
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL                                                       OLM

                                  *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                            * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                          X-COORD (METERS)
    (METERS) |     485549.47    485649.47    485749.47    485849.47
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3753434.90 |        811.00       811.00       811.00       811.00
 3753334.90 |        811.00       811.00       811.00       811.00
 3753234.90 |        811.00       811.00       811.00       811.00
 3753134.90 |        811.00       811.00       811.00       811.00
 3753034.90 |        811.00       811.00       811.00       811.00
 3752934.90 |        811.00       811.00       811.00       811.00
 3752834.90 |        811.00       811.00       811.00       811.00
 3752734.90 |        811.00       811.00       811.00       811.00
 3752634.90 |        811.00       811.00       811.00       811.00
 3752534.90 |        811.00       811.00       811.00       811.00
 3752434.90 |        811.00       811.00       811.00       811.00
 3752334.90 |        811.00       811.00       811.00       811.00
 3752234.90 |        811.00       811.00       811.00       811.00
 3752134.90 |        811.00       811.00       811.00       811.00
 3752034.90 |        811.00       811.00       811.00       811.00
 3751934.90 |        811.00       811.00       811.00       811.00
 3751834.90 |        811.00       811.00       811.00       811.00
 3751734.90 |        811.00       811.00       811.00       811.00
 3751634.90 |        811.00       811.00       811.00       811.00
 3751534.90 |        811.00       811.00       811.00       811.00
 3751434.90 |        811.00       811.00       811.00       811.00
 3751334.90 |        811.00       811.00       811.00       811.00
 3751234.90 |        811.00       811.00       811.00       811.00
 3751134.90 |        811.00       811.00       811.00       811.00
 3751034.90 |        811.00       798.00       811.00       811.00
 3750934.90 |        798.00       798.00       811.00       811.00
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017         ***        12/19/12
                                    *** NO2 (No Refrigeration)                                                ***        16:16:36
                                                                                                                         PAGE  55
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL                                                       OLM

                                     *** DISCRETE CARTESIAN RECEPTORS ***
                                  (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     ( 485619.4, 3753969.7,     505.7,     811.0,       0.0);         ( 485713.0, 3753961.9,     506.6,     811.0,       0.0);
     ( 487190.8, 3754410.3,     509.4,     776.0,       0.0);         ( 487194.8, 3754289.5,     507.2,     777.0,       0.0);
     ( 487268.8, 3754090.6,     503.1,     777.0,       0.0);         ( 487483.3, 3754102.3,     502.0,     777.0,       0.0);
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017         ***        12/19/12
                                    *** NO2 (No Refrigeration)                                                ***        16:16:36
                                                                                                                         PAGE  56
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL                                                       OLM

                       * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
                         LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL


                              SOURCE          - - RECEPTOR LOCATION - -         DISTANCE
                                ID            XR (METERS)   YR (METERS)         (METERS)
                           - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                           L0112845            485553.0     3754938.3            -8.64
                           L0112846            485553.0     3754938.3            -0.74
                           L0111934            487190.8     3754410.3            -0.17
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017         ***        12/19/12
                                    *** NO2 (No Refrigeration)                                                ***        16:16:36
                                                                                                                         PAGE  57
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL                                                       OLM

                                     *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                              (1=YES; 0=NO)

          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
              NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                  *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                              (METERS/SEC)

                                          1.54,   3.09,   5.14,   8.23,  10.80,
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017         ***        12/19/12
                                    *** NO2 (No Refrigeration)                                                ***        16:16:36
                                                                                                                         PAGE  58
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL                                                       OLM
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```
  Surface file:   RIVR2.SFC                                                                          Met Version:  11059
  Profile file:   RIVR2.PFL
  Surface format: FREE
  Profile format: FREE
  Surface station no.:        2                  Upper air station no.:     3190
                 Name: UNKNOWN                                   Name: UNKNOWN
                 Year:   2005                                    Year:   2005

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 05 01 01   1 01   -7.5  0.135 -9.000 -9.000 -999.  115.     29.0  0.39   1.00   1.00    1.60  338.    9.1  279.2    5.5
 05 01 01   1 02   -2.2  0.057 -9.000 -9.000 -999.   34.      7.4  0.39   1.00   1.00    0.90  264.    9.1  279.2    5.5
 05 01 01   1 03   -4.0  0.070 -9.000 -9.000 -999.   42.      7.4  0.39   1.00   1.00    1.10   54.    9.1  278.8    5.5
 05 01 01   1 04   -1.6  0.044 -9.000 -9.000 -999.   21.      4.7  0.39   1.00   1.00    0.70  360.    9.1  278.8    5.5
 05 01 01   1 05   -2.7  0.063 -9.000 -9.000 -999.   37.      8.2  0.39   1.00   1.00    1.00  318.    9.1  278.1    5.5
 05 01 01   1 06   -2.8  0.070 -9.000 -9.000 -999.   42.     10.5  0.39   1.00   1.00    1.10   53.    9.1  277.5    5.5
 05 01 01   1 07   -3.8  0.070 -9.000 -9.000 -999.   42.      7.7  0.39   1.00   1.00    1.10  134.    9.1  278.8    5.5
 05 01 01   1 08   -2.3  0.057 -9.000 -9.000 -999.   31.      7.0  0.39   1.00   0.53    0.90  319.    9.1  278.8    5.5
 05 01 01   1 09   29.7  0.193  0.388  0.005   69.  195.    -21.1  0.39   1.00   0.32    1.20  110.    9.1  282.0    5.5
 05 01 01   1 10   78.5  0.248  1.193  0.005  760.  285.    -17.1  0.39   1.00   0.25    1.50  107.    9.1  284.2    5.5
 05 01 01   1 11  118.9  0.316  1.511  0.007 1020.  409.    -23.3  0.39   1.00   0.22    2.00  122.    9.1  285.9    5.5
 05 01 01   1 12  132.2  0.238  1.665  0.009 1227.  270.     -9.0  0.39   1.00   0.21    1.30  154.    9.1  287.0    5.5
 05 01 01   1 13   80.9  0.249  1.421  0.009 1245.  286.    -16.8  0.39   1.00   0.21    1.50  166.    9.1  287.0    5.5
 05 01 01   1 14   80.7  0.305  1.427  0.009 1263.  388.    -31.0  0.39   1.00   0.23    2.00  235.    9.1  287.5    5.5
 05 01 01   1 15   36.6  0.321  1.098  0.009 1270.  419.    -79.5  0.39   1.00   0.26    2.30  305.    9.1  286.4    5.5
 05 01 01   1 16    1.2  0.206  0.354  0.009 1271.  221.   -629.7  0.39   1.00   0.35    1.60  292.    9.1  285.9    5.5
 05 01 01   1 17  -11.9  0.181 -9.000 -9.000 -999.  178.     44.1  0.39   1.00   0.63    1.90  280.    9.1  285.4    5.5
 05 01 01   1 18  -17.1  0.313 -9.000 -9.000 -999.  404.    158.3  0.39   1.00   1.00    2.70  304.    9.1  284.2    5.5
 05 01 01   1 19   -8.7  0.159 -9.000 -9.000 -999.  161.     40.6  0.39   1.00   1.00    1.70  311.    9.1  283.8    5.5
 05 01 01   1 20   -3.8  0.070 -9.000 -9.000 -999.   48.      7.8  0.39   1.00   1.00    1.10   13.    9.1  283.1    5.5
 05 01 01   1 21   -4.7  0.076 -9.000 -9.000 -999.   48.      8.2  0.39   1.00   1.00    1.20    8.    9.1  282.0    5.5
 05 01 01   1 22   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80  183.    9.1  280.9    5.5
 05 01 01   1 23   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   16.    9.1  280.4    5.5
 05 01 01   1 24   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   62.    9.1  279.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 05 01 01 01    5.5 0 -999.  -99.00   279.3   99.0  -99.00  -99.00
 05 01 01 01    9.1 1  338.    1.60  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017         ***        12/19/12
                                   *** NO2 (No Refrigeration)                                                ***        16:16:36
                                                                                                                        PAGE  59
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                         FASTALL                                              OLM

                     *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     PHASE1      , L0112749    , L0112750    , L0112751    , L0112752    ,
                           L0112753    , L0112754    , L0112755    , L0112756    , L0112757    , L0112758    , L0112759    , L0112760    ,
                           L0112761    , L0112762    , L0112763    , L0112764    , L0111674    , L0111675    , L0111676    , L0111677    ,
                           L0111678    , L0111679    , L0111680    , L0111681    , L0111682    , L0111683    , L0111684    ,  . . .      ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                        ** CONC OF NO2      IN MICROGRAMS/M**3                          **

    Y-COORD  |                                                  X-COORD (METERS)
    (METERS) |     461553.03    462553.03    463553.03    464553.03    465553.03    466553.03    467553.03    468553.03    469553.03
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3767938.31 |       0.01300       0.01339       0.01383       0.01433       0.01489       0.01531       0.01590       0.01634       0.01685
  3766938.31 |       0.01347       0.01358       0.01391       0.01440       0.01487       0.01537       0.01607       0.01845       0.01755
  3765938.31 |       0.01365       0.01496       0.01431       0.01466       0.01517       0.01551       0.01657       0.01880       0.01823
  3764938.31 |       0.01369       0.01476       0.01514       0.01508       0.01541       0.01583       0.01650       0.01760       0.01850
  3763938.31 |       0.01367       0.01525       0.01457       0.01510       0.01553       0.01620       0.01690       0.01786       0.01903
  3762938.31 |       0.01351       0.01406       0.01459       0.01505       0.01575       0.01654       0.01742       0.01844       0.01969
  3761938.31 |       0.01330       0.01385       0.01447       0.01515       0.01594       0.01677       0.01776       0.01895       0.02035
  3760938.31 |       0.01316       0.01375       0.01438       0.01540       0.01610       0.01701       0.01808       0.01933       0.02094
  3759938.31 |       0.01344       0.01390       0.01521       0.01532       0.01620       0.01716       0.01825       0.01957       0.02121
  3758938.31 |       0.01389       0.01447       0.01516       0.01585       0.01661       0.01746       0.01855       0.01978       0.02134
  3757938.31 |       0.01441       0.01502       0.01574       0.01674       0.01731       0.01804       0.01915       0.02051       0.02212
  3756938.31 |       0.01435       0.01507       0.01584       0.01674       0.01781       0.01912       0.02029       0.02120       0.02304
  3755938.31 |       0.01409       0.01483       0.01562       0.01652       0.01760       0.01929       0.02078       0.02277       0.02360
  3754938.31 |       0.01371       0.01442       0.01526       0.01623       0.01733       0.01926       0.02078       0.02267       0.02476
  3753938.31 |       0.01334       0.01400       0.01480       0.01567       0.01703       0.01859       0.02012       0.02233       0.02448
  3752938.31 |       0.01301       0.01368       0.01453       0.01542       0.01667       0.01832       0.02008       0.02179       0.02342
  3751938.31 |       0.01284       0.01343       0.01412       0.01508       0.01628       0.01761       0.01899       0.02047       0.02194
  3750938.31 |       0.01256       0.01317       0.01390       0.01456       0.01516       0.01644       0.01797       0.01893       0.02006
  3749938.31 |       0.01189       0.01231       0.01322       0.01422       0.01475       0.01528       0.01631       0.01737       0.01832
  3748938.31 |       0.01148       0.01130       0.01207       0.01301       0.01389       0.01471       0.01572       0.01561       0.01741
  3747938.31 |       0.01118       0.01178       0.01167       0.01235       0.01334       0.01378       0.01460       0.01422       0.01729
  3746938.31 |       0.01111       0.01193       0.01238       0.01240       0.01335       0.01438       0.01521       0.01616       0.01716
  3745938.31 |       0.01107       0.01182       0.01225       0.01252       0.01294       0.01386       0.01487       0.01589       0.01671
  3744938.31 |       0.01087       0.01151       0.01190       0.01236       0.01305       0.01392       0.01262       0.01550       0.01616
  3743938.31 |       0.01066       0.01111       0.01166       0.01227       0.01282       0.01341       0.01419       0.01488       0.01557
  3742938.31 |       0.01072       0.01121       0.01184       0.01248       0.01293       0.01339       0.01387       0.01436       0.01235
  3741938.31 |       0.01093       0.00988       0.00906       0.00940       0.00862       0.00983       0.00991       0.00909       0.01157
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017         ***        12/19/12
                                   *** NO2 (No Refrigeration)                                                ***        16:16:36
                                                                                                                        PAGE  60
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                         FASTALL                                              OLM

                     *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     PHASE1      , L0112749    , L0112750    , L0112751    , L0112752    ,
                           L0112753    , L0112754    , L0112755    , L0112756    , L0112757    , L0112758    , L0112759    , L0112760    ,
                           L0112761    , L0112762    , L0112763    , L0112764    , L0111674    , L0111675    , L0111676    , L0111677    ,
                           L0111678    , L0111679    , L0111680    , L0111681    , L0111682    , L0111683    , L0111684    ,  . . .      ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***
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** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	0.01738	0.01803	0.01887	0.01958	0.02043	0.02156	0.02261	0.02377	0.02527
3766938.31	0.01841	0.01947	0.02028	0.02099	0.02265	0.02408	0.02454	0.02588	0.02730
3765938.31	0.01936	0.02058	0.02326	0.02249	0.02443	0.02661	0.02834	0.02940	0.03102
3764938.31	0.01985	0.02150	0.01862	0.02576	0.02562	0.02854	0.03053	0.02977	0.03406
3763938.31	0.02048	0.02220	0.02528	0.02800	0.02785	0.02962	0.03277	0.03231	0.02904
3762938.31	0.02090	0.02280	0.02485	0.02724	0.03121	0.03209	0.03486	0.03783	0.03890
3761938.31	0.02332	0.02318	0.02413	0.02915	0.02652	0.02091	0.02583	0.03389	0.04311
3760938.31	0.02372	0.02679	0.02268	0.02337	0.02996	0.02861	0.02323	0.02563	0.03804
3759938.31	0.02317	0.02546	0.02118	0.01819	0.03024	0.03679	0.03899	0.02765	0.04236
3758938.31	0.02344	0.02634	0.01871	0.01872	0.03040	0.03931	0.04421	0.04831	0.04896
3757938.31	0.02477	0.02749	0.03131	0.01887	0.02132	0.04018	0.04797	0.05381	0.05788
3756938.31	0.02601	0.02955	0.03214	0.03568	0.02483	0.04112	0.04996	0.05756	0.06659
3755938.31	0.02762	0.03069	0.03282	0.03691	0.04141	0.04647	0.05261	0.06086	0.07176
3754938.31	0.02705	0.02956	0.03236	0.03595	0.04044	0.04618	0.05306	0.06195	0.07369
3753938.31	0.02627	0.02762	0.03065	0.03397	0.03795	0.04332	0.04981	0.05801	0.06894
3752938.31	0.02521	0.02719	0.02931	0.03193	0.03553	0.03986	0.04517	0.05184	0.06074
3751938.31	0.02363	0.02382	0.02719	0.02922	0.03180	0.03511	0.03935	0.04483	0.05233
3750938.31	0.02072	0.02018	0.02414	0.02615	0.02854	0.03159	0.03589	0.04103	0.04821
3749938.31	0.01855	0.01885	0.02209	0.02482	0.02730	0.03032	0.03390	0.03873	0.04450
3748938.31	0.01815	0.01968	0.02178	0.02421	0.02645	0.02900	0.03213	0.03598	0.04038
3747938.31	0.01830	0.01970	0.02140	0.02337	0.02541	0.02751	0.02995	0.03302	0.03675
3746938.31	0.01791	0.01946	0.02091	0.02155	0.02421	0.02585	0.02777	0.03044	0.03360
3745938.31	0.01581	0.01883	0.02005	0.02132	0.02266	0.02421	0.02594	0.02824	0.03124
3744938.31	0.01715	0.01806	0.01910	0.02023	0.02020	0.02278	0.02440	0.02653	0.02956
3743938.31	0.01644	0.01727	0.01816	0.01916	0.02028	0.02163	0.02320	0.02535	0.02836
3742938.31	0.01546	0.01608	0.01685	0.01799	0.01930	0.02080	0.02244	0.02437	0.02736
3741938.31	0.01157	0.01256	0.01376	0.01562	0.01637	0.01711	0.02184	0.02380	0.02650

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - Project-Related LST Assessment 2017 *** 12/19/12
*** NO2 (No Refrigeration) *** 16:16:36
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	0.02732	0.02924	0.03095	0.03245	0.03498	0.03790	0.03971	0.04046	0.04078
3766938.31	0.02909	0.03220	0.03406	0.03608	0.03903	0.04226	0.04421	0.04265	0.04157
3765938.31	0.03273	0.03385	0.03848	0.04069	0.04389	0.04758	0.04841	0.04635	0.04281
3764938.31	0.03603	0.03835	0.04026	0.04479	0.04930	0.05184	0.05202	0.04871	0.04423
3763938.31	0.03597	0.04270	0.04652	0.04963	0.05359	0.06037	0.05240	0.04774	0.04558
3762938.31	0.03314	0.03722	0.05235	0.05844	0.06351	0.06794	0.07355	0.07341	0.06616
3761938.31	0.03660	0.03306	0.05269	0.05612	0.07339	0.08096	0.08834	0.08473	0.08150
3760938.31	0.04415	0.03411	0.03715	0.04842	0.06073	0.08151	0.10738	0.11410	0.11637
3759938.31	0.03580	0.04081	0.04244	0.04793	0.05860	0.08379	0.11741	0.13811	0.14104
3758938.31	0.03852	0.04358	0.05535	0.05968	0.06967	0.09094	0.11317	0.11102	0.13525
3757938.31	0.04935	0.04995	0.06022	0.08722	0.09495	0.13610	0.14354	0.16011	0.16600
3756938.31	0.07249	0.07956	0.08092	0.09787	0.17092	0.20903	0.26381	0.30663	0.27948
3755938.31	0.08642	0.10463	0.13062	0.17718	0.24009	0.35604	0.58465	0.89789	0.68947
3754938.31	0.09018	0.11470	0.14930	0.21015	0.31773	0.56307	2.82397	6.82247	4.71267
3753938.31	0.08362	0.10598	0.13971	0.19550	0.29931	0.56399	2.96205	7.66516	8.40060
3752938.31	0.07159	0.08881	0.11353	0.15323	0.22285	0.37773	0.98285	2.26257	2.96126
3751938.31	0.06216	0.07581	0.09543	0.12544	0.17257	0.27374	0.52408	0.47836	1.16243
3750938.31	0.05663	0.06839	0.08248	0.10529	0.14561	0.22070	0.16994	0.25543	0.59457
3749938.31	0.05172	0.06025	0.07529	0.09414	0.12736	0.16163	0.18555	0.29602	0.40530
3748938.31	0.04605	0.05374	0.06579	0.04623	0.10975	0.14466	0.18180	0.22588	0.27686
3747938.31	0.04145	0.04836	0.03913	0.05378	0.09793	0.11849	0.13967	0.17056	0.18497
3746938.31	0.03793	0.04492	0.05587	0.06917	0.08391	0.09770	0.11319	0.13343	0.15404
3745938.31	0.03557	0.04167	0.05075	0.06332	0.07354	0.08291	0.09122	0.07888	0.11935
3744938.31	0.03372	0.03961	0.04768	0.05635	0.06466	0.07180	0.04587	0.09023	0.09907
3743938.31	0.03235	0.03806	0.04482	0.05111	0.05762	0.03511	0.06810	0.07520	0.08465
3742938.31	0.03132	0.03634	0.04193	0.04688	0.05099	0.05401	0.05854	0.06579	0.07307
3741938.31	0.03037	0.03496	0.03917	0.04270	0.04588	0.04790	0.05222	0.05841	0.06469

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - Project-Related LST Assessment 2017 *** 12/19/12
*** NO2 (No Refrigeration) *** 16:16:36
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	0.03960	0.03833	0.03202	0.02728	0.02395	0.01905	0.02081	0.02064	0.01864
3766938.31	0.03798	0.03646	0.03104	0.02982	0.02754	0.02519	0.02445	0.02185	0.01946
3765938.31	0.03932	0.03801	0.04037	0.03895	0.03427	0.02969	0.02590	0.02284	0.02081
3764938.31	0.04441	0.04824	0.04670	0.04355	0.03780	0.03126	0.02750	0.02473	0.02293
3763938.31	0.05105	0.05337	0.05624	0.04605	0.04080	0.03469	0.02980	0.02735	0.02638
3762938.31	0.07687	0.07491	0.06225	0.05219	0.04225	0.03685	0.03299	0.03143	0.03019

3761938.31	0.06868	0.06462	0.05835	0.05183	0.04603	0.04057	0.03838	0.03661	0.03511
3760938.31	0.09592	0.07423	0.06993	0.05875	0.05128	0.05015	0.04696	0.04336	0.03969
3759938.31	0.14830	0.13220	0.09807	0.07816	0.06646	0.06263	0.05595	0.05095	0.04434
3758938.31	0.11589	0.11117	0.11468	0.09277	0.09725	0.07967	0.06927	0.05583	0.04917
3757938.31	0.15267	0.13237	0.11956	0.10604	0.09425	0.09332	0.07049	0.05984	0.05256
3756938.31	0.23018	0.19682	0.16781	0.13672	0.10836	0.09519	0.08430	0.06821	0.05966
3755938.31	0.53556	0.32947	0.24203	0.17478	0.14048	0.11134	0.09439	0.08412	0.07138
3754938.31	3.24971	0.90037	0.45652	0.27548	0.18426	0.15609	0.11903	0.09256	0.07823
3753938.31	4.49923	2.97717	1.04395	0.48579	0.34612	0.21640	0.18462	0.12637	0.08953
3752938.31	2.56199	1.72020	1.85880	0.90381	0.54849	0.36179	0.26010	0.17441	0.10366
3751938.31	1.08498	0.96153	0.83673	0.77911	0.55819	0.40591	0.30207	0.20931	0.12305
3750938.31	0.62516	0.58851	0.53210	0.47680	0.42767	0.37461	0.31266	0.24675	0.14513
3749938.31	0.40564	0.40817	0.37955	0.34806	0.32303	0.29675	0.26602	0.17093	0.15649
3748938.31	0.29496	0.30034	0.28962	0.27074	0.25103	0.23181	0.21286	0.19236	0.12142
3747938.31	0.21917	0.22992	0.22955	0.21968	0.20434	0.18916	0.17761	0.16773	0.16278
3746938.31	0.16915	0.19175	0.18594	0.18012	0.17159	0.16234	0.15084	0.14304	0.13766
3745938.31	0.13483	0.14786	0.15342	0.15130	0.14649	0.13954	0.13139	0.12366	0.11920
3744938.31	0.11104	0.12306	0.12863	0.12864	0.12557	0.12158	0.11622	0.10975	0.10440
3743938.31	0.09414	0.10388	0.11035	0.11169	0.11230	0.10917	0.10313	0.09882	0.09395
3742938.31	0.08107	0.08959	0.09670	0.10014	0.09497	0.05414	0.06540	0.08977	0.08633
3741938.31	0.07088	0.07802	0.08532	0.08337	0.06735	0.05084	0.04832	0.08456	0.07925

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	0.01682	0.01428	0.01326	0.01161	0.00806	0.00595	0.00427	0.00309	0.00211
3766938.31	0.01793	0.01529	0.01339	0.01216	0.00821	0.00275	0.00277	0.00278	0.00279
3765938.31	0.01948	0.01668	0.00980	0.01167	0.00933	0.00386	0.00327	0.00320	0.00396
3764938.31	0.02229	0.01968	0.01830	0.01820	0.01095	0.00692	0.00637	0.00598	0.00435
3763938.31	0.02540	0.02463	0.02370	0.02084	0.01801	0.01135	0.00994	0.00986	0.00720
3762938.31	0.02904	0.02773	0.02413	0.02154	0.01879	0.01604	0.01303	0.01133	0.00978
3761938.31	0.03301	0.03007	0.02539	0.01451	0.01959	0.01603	0.01686	0.01585	0.01270
3760938.31	0.03605	0.03162	0.02682	0.02406	0.02170	0.02072	0.01888	0.01739	0.01521
3759938.31	0.03807	0.03391	0.03049	0.02804	0.02570	0.02360	0.02171	0.01897	0.01763
3758938.31	0.04223	0.03713	0.03307	0.03040	0.02803	0.02615	0.02466	0.02326	0.02037
3757938.31	0.04608	0.04131	0.03756	0.03469	0.03224	0.02986	0.02782	0.02587	0.02403
3756938.31	0.05356	0.04773	0.04286	0.03895	0.03537	0.03218	0.02948	0.02712	0.02511
3755938.31	0.06174	0.05390	0.04740	0.04186	0.03750	0.03403	0.03108	0.02870	0.02667
3754938.31	0.06646	0.05762	0.05034	0.04506	0.04026	0.03655	0.03333	0.03072	0.02849
3753938.31	0.07498	0.06461	0.05622	0.04914	0.04373	0.03929	0.03576	0.03283	0.03042
3752938.31	0.08910	0.07387	0.06371	0.05491	0.04924	0.04394	0.03987	0.03642	0.03340
3751938.31	0.09959	0.08409	0.06846	0.05948	0.05393	0.04785	0.04316	0.04031	0.03729
3750938.31	0.12579	0.10053	0.07573	0.06601	0.05770	0.05115	0.04569	0.04196	0.03739
3749938.31	0.17646	0.13240	0.08877	0.07368	0.06534	0.05606	0.05036	0.04531	0.04099
3748938.31	0.13996	0.13998	0.10217	0.07973	0.06944	0.06378	0.05612	0.05372	0.04638
3747938.31	0.11717	0.13614	0.09682	0.08877	0.07305	0.06076	0.06238	0.05802	0.05654
3746938.31	0.13227	0.12661	0.07861	0.07295	0.07759	0.06780	0.06959	0.06748	0.05953
3745938.31	0.11533	0.11190	0.10161	0.09136	0.08280	0.08387	0.07158	0.05346	0.04695
3744938.31	0.10086	0.09769	0.09492	0.09329	0.04867	0.04944	0.04925	0.04027	0.04069
3743938.31	0.09006	0.08719	0.08490	0.08312	0.08215	0.04215	0.03620	0.03660	0.03296
3742938.31	0.08208	0.07916	0.07702	0.07564	0.07460	0.06287	0.03834	0.03195	0.02760
3741938.31	0.07599	0.07304	0.07064	0.06919	0.06808	0.06737	0.06655	0.04216	0.02981

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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	0.60312	0.65340	0.71139	0.78150	0.86766	0.97688	1.11611	1.30899	1.62552
3754534.43	0.60596	0.65779	0.71525	0.78731	0.87917	0.99191	1.13465	1.33909	1.65794
3754434.43	0.60499	0.65662	0.71638	0.78775	0.88280	0.99244	1.13759	1.33975	1.65531
3754334.43	0.60017	0.65218	0.71362	0.78664	0.87609	0.98446	1.12098	1.32812	1.63391
3754234.43	0.59378	0.64625	0.70608	0.77754	0.86667	0.97617	1.10565	1.29600	1.58452
3754134.43	0.58632	0.63551	0.69488	0.76474	0.84995	0.95071	1.08857	1.27984	1.52849
3754034.43	0.57564	0.62214	0.67993	0.74680	0.83096	0.93431	1.04764	1.25126	1.48594
3753934.43	0.56297	0.60823	0.66505	0.73073	0.81436	0.90629	1.02379	1.20681	1.45924
3753834.43	0.54597	0.59126	0.64160	0.71007	0.78273	0.87877	1.00215	1.15925	1.37566
3753734.43	0.52777	0.57149	0.62010	0.68054	0.75168	0.83493	0.96756	1.11305	1.34100
3753634.43	0.50801	0.55277	0.59004	0.65035	0.71983	0.80354	0.91086	1.05931	1.28030
3753534.43	0.48650	0.52218	0.56741	0.62697	0.69119	0.76412	0.86190	0.98948	1.20054
3753434.43	0.46294	0.50159	0.54563	0.59417	0.65653	0.72744	0.81352	0.93058	1.11565
3753334.43	0.44683	0.48116	0.51785	0.56365	0.61838	0.68806	0.76689	0.87615	1.04110
3753234.43	0.42840	0.45891	0.49629	0.54043	0.58860	0.64770	0.72712	0.82496	0.96992
3753134.43	0.41506	0.44395	0.47491	0.51160	0.56307	0.62003	0.69411	0.77139	0.88671
3753034.43	0.39720	0.42387	0.45832	0.49307	0.53830	0.58776	0.65205	0.72207	0.81890
3752934.43	0.37707	0.40385	0.43745	0.46872	0.51223	0.55701	0.61299	0.67897	0.75358

3752834.43	0.36705	0.39105	0.42080	0.45277	0.48938	0.53038	0.58057	0.64454	0.70289
3752734.43	0.35346	0.37889	0.40250	0.43260	0.46640	0.50996	0.54809	0.60299	0.65980
3752634.43	0.34378	0.36318	0.39157	0.41848	0.44737	0.49318	0.53260	0.57407	0.62113
3752534.43	0.33052	0.35045	0.36925	0.40127	0.42780	0.46138	0.50119	0.53816	0.58798
3752434.43	0.31792	0.34194	0.36225	0.38723	0.41194	0.43591	0.47853	0.50901	0.56023
3752334.43	0.30755	0.32869	0.34891	0.36968	0.39622	0.42230	0.45569	0.48877	0.53286
3752234.43	0.29676	0.31523	0.33894	0.35744	0.37976	0.39710	0.43629	0.46454	0.50650
3752134.43	0.28832	0.30780	0.32634	0.34674	0.36922	0.39104	0.41792	0.45347	0.49385
3752034.43	0.28434	0.30105	0.31373	0.33387	0.35779	0.37560	0.40338	0.43537	0.47285
3751934.43	0.27327	0.28933	0.30715	0.32376	0.34297	0.36621	0.39368	0.42044	0.45391
3751834.43	0.26634	0.28258	0.29902	0.31799	0.33296	0.35665	0.38213	0.40986	0.43812
3751734.43	0.26398	0.27833	0.29747	0.31365	0.32860	0.34794	0.37025	0.39452	0.42005
3751634.43	0.25998	0.27600	0.28984	0.30533	0.32207	0.33784	0.35946	0.38136	0.39668
3751534.43	0.25503	0.26907	0.28472	0.29891	0.31474	0.33035	0.34846	0.35537	0.32654
3751434.43	0.25025	0.26394	0.27756	0.29127	0.30545	0.31855	0.32177	0.29484	0.22811
3751334.43	0.24518	0.25722	0.26994	0.28257	0.29558	0.30497	0.28851	0.21876	0.19543
3751234.43	0.23975	0.25122	0.26255	0.27339	0.28309	0.28216	0.25157	0.19473	0.18434
3751134.43	0.23450	0.24479	0.25528	0.25743	0.26252	0.25564	0.23794	0.19162	0.18279
3751034.43	0.22874	0.23814	0.24229	0.21831	0.24064	0.22901	0.19636	0.17230	0.17042
3750934.43	0.22009	0.22944	0.20883	0.19788	0.20329	0.19552	0.16874	0.15944	0.16083

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	2.27095
3754534.43	2.24737
3754434.43	2.34442
3754334.43	2.32761
3754234.43	2.18564
3754134.43	2.07303
3754034.43	1.96655
3753934.43	1.93330
3753834.43	1.84559
3753734.43	1.78409
3753634.43	1.69998
3753534.43	1.62211
3753434.43	1.47073
3753334.43	1.34639
3753234.43	1.23703
3753134.43	1.11858
3753034.43	0.97595
3752934.43	0.84495
3752834.43	0.78715
3752734.43	0.73152
3752634.43	0.68924
3752534.43	0.64828
3752434.43	0.61574
3752334.43	0.58059
3752234.43	0.56052
3752134.43	0.53429
3752034.43	0.51308
3751934.43	0.48897
3751834.43	0.46534
3751734.43	0.43965
3751634.43	0.38797
3751534.43	0.25687
3751434.43	0.20941
3751334.43	0.19387
3751234.43	0.18669
3751134.43	0.18052
3751034.43	0.17242
3750934.43	0.16455

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - Project-Related LST Assessment 2017 *** 12/19/12
*** NO2 (No Refrigeration) *** 16:16:36
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	2.22441	3.05791	3.59403	4.13055
3753334.90	1.84971	1.93621	2.23997	2.70695
3753234.90	1.66262	1.65701	1.82857	2.20302
3753134.90	1.48034	1.43656	1.59118	1.93425
3753034.90	1.19965	1.26982	1.41949	1.75434
3752934.90	0.97486	1.10994	1.27237	1.60098
3752834.90	0.89165	1.00774	1.18309	1.49550
3752734.90	0.82929	0.93556	1.09414	1.38922

3752634.90	0.76861	0.87175	1.01965	1.30095
3752534.90	0.72238	0.80702	0.93663	1.20911
3752434.90	0.67828	0.75697	0.88813	1.17254
3752334.90	0.64620	0.72259	0.83632	1.07437
3752234.90	0.61370	0.68006	0.76689	0.90471
3752134.90	0.58244	0.63704	0.70245	0.78314
3752034.90	0.55227	0.59578	0.64354	0.67692
3751934.90	0.52185	0.55925	0.59289	0.61282
3751834.90	0.49330	0.51295	0.52923	0.49312
3751734.90	0.45800	0.48190	0.44526	0.32296
3751634.90	0.38730	0.36154	0.32198	0.28874
3751534.90	0.26280	0.25946	0.25925	0.27036
3751434.90	0.21516	0.22431	0.23393	0.25048
3751334.90	0.20170	0.21051	0.22053	0.23374
3751234.90	0.19304	0.20008	0.20965	0.21949
3751134.90	0.18474	0.19140	0.20001	0.20789
3751034.90	0.17679	0.18320	0.19112	0.19823
3750934.90	0.16949	0.17574	0.18283	0.18923

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
485619.40	3753969.72	4.07310	485712.99	3753961.92	4.92627
487190.85	3754410.34	17.50149	487194.75	3754289.46	13.32188
487268.83	3754090.60	10.47315	487483.30	3754102.29	9.03083

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - Project-Related LST Assessment 2017 *** 12/19/12
*** NO2 (No Refrigeration) *** 16:16:36
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	1.65342	1.82794	1.82463	1.82724	1.86052	1.85021	1.87270	2.11037	2.07226
3766938.31	1.73821	1.68992	1.76822	1.91413	1.88919	1.89332	1.90966	2.10781	2.10936
3765938.31	1.90436	2.00943	1.79397	1.77236	1.91098	1.97550	2.03774	2.20503	2.07729
3764938.31	1.64447	1.94599	2.04028	1.97538	1.86944	1.84675	2.03902	2.15627	2.16311
3763938.31	1.76545	1.84514	1.68937	1.88723	2.03094	2.05849	1.97079	1.99951	2.28508
3762938.31	1.71697	1.80207	1.84618	1.81371	1.77418	1.93621	2.17853	2.24848	2.18477
3761938.31	1.61869	1.64915	1.71873	1.85281	1.93966	2.00479	1.97387	2.04808	2.39772
3760938.31	1.59253	1.67474	1.73518	1.81116	1.82495	1.92349	2.09542	2.20035	2.28468
3759938.31	1.65526	1.66815	1.81282	1.77599	1.84880	1.94359	2.04098	2.07852	2.24174
3758938.31	1.88544	1.95409	2.00113	1.99700	1.96991	1.95985	2.04102	2.10742	2.22800
3757938.31	1.78555	1.85997	1.93763	2.04238	2.09888	2.21835	2.33211	2.41514	2.43819
3756938.31	1.87672	1.96000	2.03523	2.11801	2.19392	2.31574	2.37888	2.36613	2.47935
3755938.31	1.79195	1.85885	1.92062	1.98391	2.05336	2.20398	2.37321	2.59843	2.67301
3754938.31	1.65890	1.71139	1.78475	1.86627	1.95349	2.12018	2.24220	2.38912	2.53954
3753938.31	1.68826	1.74474	1.81335	1.88598	2.00492	2.13716	2.28455	2.50383	2.72438
3752938.31	1.94475	2.02147	2.11554	2.20567	2.33958	2.52735	2.71474	2.87931	3.01471
3751938.31	1.68527	1.72987	1.81568	1.96189	2.12938	2.30034	2.49382	2.68082	2.84942
3750938.31	1.90215	1.99984	2.09354	2.18152	2.26340	2.43960	2.61897	2.65338	2.68681
3749938.31	1.92235	1.92079	1.97589	2.01376	2.05997	2.16988	2.30160	2.44509	2.72539
3748938.31	1.79486	1.77801	1.86355	2.04147	2.23500	2.36543	2.51153	3.02422	2.74590
3747938.31	1.94785	2.04987	2.01444	2.05813	2.13405	2.64261	2.73756	2.76863	2.59672
3746938.31	1.93343	2.00679	1.99717	1.97481	2.10190	2.19562	2.21414	2.42583	2.55393
3745938.31	1.86493	1.97695	1.99174	1.91425	2.02965	2.20937	2.30570	2.37766	2.44225
3744938.31	1.76040	1.87059	1.99700	2.07772	2.10046	2.09739	2.44986	2.40912	2.50066
3743938.31	1.88471	1.92468	1.94671	1.87894	1.95679	2.08023	2.07424	2.27131	2.55476
3742938.31	1.83161	1.75243	1.89321	2.08355	2.06092	2.17614	2.38033	2.60745	2.54859
3741938.31	1.82273	2.19515	2.05948	2.09357	2.42259	2.54335	2.34829	2.39141	2.56987

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - Project-Related LST Assessment 2017 *** 12/19/12
*** NO2 (No Refrigeration) *** 16:16:36
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03

3767938.31	2.22880	2.06462	2.25683	2.18985	2.03299	2.19510	2.25988	2.40106	2.44191
3766938.31	2.28504	2.37323	2.32816	2.41861	2.45100	2.31490	2.38102	2.44722	2.62832
3765938.31	2.12434	2.51623	2.65104	2.56478	2.70041	2.77607	2.64132	2.65527	2.79270
3764938.31	2.20746	2.26594	3.24057	2.83025	2.86603	3.00413	3.13110	3.56527	3.04408
3763938.31	2.39323	2.40090	2.63032	3.09585	2.99847	3.19726	3.33042	4.00796	3.76128
3762938.31	2.30251	2.61371	2.74508	2.74458	3.04154	4.03951	3.56817	3.65789	4.30998
3761938.31	2.67940	3.52295	3.71332	3.15968	3.97249	3.28463	3.95857	4.44530	4.69782
3760938.31	2.40793	2.90147	3.92951	3.89399	4.27460	4.21736	3.29556	3.29217	4.88252
3759938.31	2.48625	2.66215	3.69724	3.00015	4.57104	4.73262	5.09287	3.81959	5.30726
3758938.31	2.41925	2.56472	3.24914	3.02156	4.65393	4.77013	5.30706	5.76315	5.97900
3757938.31	2.52369	2.67721	3.12194	3.08898	3.30450	5.13955	4.81526	6.03346	6.49198
3756938.31	2.73428	3.08337	3.29197	3.72400	4.12484	5.25468	4.60369	4.79931	6.59989
3755938.31	3.05609	3.31741	3.44543	3.79623	4.30051	4.51294	4.60263	5.00818	5.48593
3754938.31	2.70096	2.86972	3.04823	3.29918	3.58948	4.10748	4.62497	5.16188	5.80726
3753938.31	2.86125	2.94656	3.19833	3.45715	3.75031	4.13252	4.56641	5.05884	5.65884
3752938.31	3.15995	3.24965	3.31675	3.41577	3.68832	4.05640	4.44283	4.90319	5.45924
3751938.31	3.09553	3.70129	3.42902	3.56680	3.71308	3.82610	3.87462	4.22435	4.79379
3750938.31	2.98099	3.38557	3.12690	3.15772	3.40222	3.52930	3.72112	3.97185	4.35082
3749938.31	3.33525	3.43349	3.30359	2.97307	3.15561	3.29475	3.58599	3.77670	4.08755
3748938.31	3.03469	3.19092	3.09568	3.03564	3.12638	3.14029	3.32058	3.86766	4.20022
3747938.31	2.79283	3.07029	3.14334	3.03669	2.94400	3.21270	3.62243	3.44174	3.44147
3746938.31	2.98997	2.63416	2.84894	3.18413	3.50873	3.13511	3.03373	3.12957	3.21180
3745938.31	2.93504	2.60861	2.97665	3.20879	3.07025	2.83436	2.95871	2.89439	3.33250
3744938.31	2.64382	2.81511	2.61065	2.76627	3.10016	2.80457	2.67986	3.06225	3.15074
3743938.31	2.48250	2.41580	2.56708	2.55571	2.84916	2.53862	2.87083	2.95557	2.75087
3742938.31	2.61222	2.81365	2.87609	2.73263	2.58479	2.74455	2.82785	2.62307	2.53928
3741938.31	2.52549	2.78793	2.73807	2.63825	2.90396	3.09711	2.61173	2.38792	2.51385

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	2.50883	2.36202	2.35061	2.48224	2.53496	2.57865	2.82333	2.65291	2.95845
3766938.31	2.73627	2.39814	2.58544	2.65802	2.70213	2.73687	3.02261	3.24262	3.56786
3765938.31	2.95459	2.91000	2.81719	2.79376	2.87921	3.09759	3.75989	3.81467	3.76420
3764938.31	3.19353	3.24678	2.82953	2.94955	3.21329	3.99751	4.21007	4.08849	3.88785
3763938.31	4.11333	3.50428	3.63284	3.20954	3.24180	3.94615	4.32693	4.14188	3.88398
3762938.31	4.05527	4.28142	3.94694	3.85467	3.61655	3.56860	4.91692	5.02856	4.79919
3761938.31	4.44773	3.83389	4.99272	5.09089	4.99152	3.98787	4.77027	5.61905	5.38742
3760938.31	5.04629	3.70860	3.56223	4.71039	5.31564	5.75635	5.53809	4.99338	5.94184
3759938.31	4.34549	4.57142	3.76101	3.74553	4.39719	5.96277	7.01810	7.48657	7.33047
3758938.31	4.34258	4.12764	5.58540	5.13888	4.97731	6.32700	6.84636	5.89165	7.55476
3757938.31	6.17477	5.31504	5.44901	7.38798	7.11371	8.14349	7.11498	7.35784	6.79800
3756938.31	7.55072	7.91790	8.10360	8.56495	10.32776	10.53669	10.86521	12.61701	11.08469
3755938.31	7.38441	8.69340	9.84991	11.88494	13.81139	14.98190	15.60760	20.50738	20.22491
3754938.31	6.64143	8.36168	9.31177	12.65762	16.08248	21.02994	36.60903	37.59478	35.49871
3753938.31	6.37540	7.36591	8.61548	10.27376	14.34290	17.49958	29.68396	25.83384	28.15550
3752938.31	6.06770	6.88773	7.70721	8.85991	10.52515	13.86865	17.19489	18.02781	18.28292
3751938.31	5.18412	5.69802	6.56488	7.84843	8.89529	10.17376	12.38486	9.36667	15.18160
3750938.31	4.75887	5.43860	6.33506	6.48670	7.53132	9.32795	5.75068	7.07245	11.29696
3749938.31	4.91217	5.01625	5.20353	6.94612	6.90956	8.56576	8.25338	8.69248	7.50882
3748938.31	4.05703	4.27873	5.88577	5.12392	6.76181	5.93312	6.28836	5.39487	6.82044
3747938.31	3.63444	4.22652	5.05527	5.58698	4.65085	5.13539	5.07758	4.62532	6.28946
3746938.31	3.69342	3.83521	3.69074	3.80421	3.92705	4.51792	4.38811	5.05140	4.21813
3745938.31	3.41338	3.14972	3.38818	3.49638	3.61430	4.07081	4.72257	4.57798	3.56251
3744938.31	2.91088	3.03161	3.03789	3.23098	3.55691	3.75335	3.53337	3.26759	3.14004
3743938.31	2.78735	2.83647	2.88614	2.91127	3.69875	3.52347	3.01826	2.95906	2.93859
3742938.31	2.72382	2.59998	2.83073	2.75418	3.16756	3.14463	2.79086	2.78147	2.76343
3741938.31	2.51820	2.54014	2.60345	2.77933	3.00499	2.87740	2.66025	2.63863	2.63909

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	3.24402	3.26710	3.08434	2.78274	2.41115	1.73349	2.09279	2.40278	2.33595
3766938.31	3.44374	3.36660	2.98879	2.98170	2.71439	2.50967	2.59496	2.55156	2.31767
3765938.31	3.51924	3.40778	3.61540	3.53282	3.17832	2.99706	2.82402	2.65579	2.28721
3764938.31	3.78598	3.91048	3.86386	3.69970	3.40836	3.11239	3.02054	2.48844	2.55827
3763938.31	4.13829	4.18452	4.40917	3.81410	3.68667	3.42540	2.81196	2.89528	2.60068
3762938.31	4.95803	5.00810	4.53743	4.19762	3.82555	3.41813	3.24700	2.92880	2.86639
3761938.31	4.96296	4.80617	4.27358	4.20629	4.06160	3.66140	3.35084	3.20260	2.95760
3760938.31	5.99865	5.07858	5.01812	4.73791	4.17430	4.11632	3.79260	3.45484	3.21028
3759938.31	7.34051	6.95579	6.33740	5.64887	4.88496	4.44210	4.16480	3.91749	3.89903
3758938.31	6.14389	6.51036	6.92963	5.85707	5.73598	5.25209	5.09510	4.32798	3.89290
3757938.31	6.18011	5.81557	5.65917	5.13522	5.20645	5.98381	4.70892	4.52190	4.01063
3756938.31	8.31535	6.53593	6.79807	6.21769	4.70250	5.61061	5.06581	4.16859	3.83508

3755938.31	13.42516	10.06572	8.24694	5.57606	5.76866	4.69393	4.86761	5.31094	4.90195
3754938.31	27.95764	16.84590	12.31164	9.56372	7.30316	7.30801	6.21574	5.07873	4.65283
3753938.31	23.21669	20.41528	15.51057	10.96566	9.42913	7.73665	7.15477	6.01837	4.49272
3752938.31	17.80625	13.92997	12.76789	13.76473	9.43237	9.44768	8.23971	7.04311	4.87914
3751938.31	10.74341	10.54723	9.99770	9.07246	8.23088	9.43224	8.49430	6.86701	5.36855
3750938.31	7.40904	7.96219	7.36126	7.62062	6.92263	6.40886	6.35325	6.90963	5.81444
3749938.31	5.88815	6.17729	6.33298	5.77046	6.27283	5.83688	5.30216	5.83312	5.33351
3748938.31	5.29506	5.05163	5.48617	5.30502	4.87615	5.21702	4.94731	5.77984	5.12243
3747938.31	4.72677	4.42833	4.44476	4.90366	4.46871	4.17733	4.36469	4.41876	4.66473
3746938.31	4.26548	4.06168	3.97354	3.97312	4.33204	3.85435	3.69574	3.67192	3.93349
3745938.31	3.88794	3.55332	3.61680	3.59457	3.78051	3.87723	3.40683	3.31664	3.22331
3744938.31	3.59864	3.36858	3.23829	3.30229	3.32032	3.57259	3.46601	3.09544	3.02956
3743938.31	3.34744	3.22039	3.06001	3.07108	3.11694	3.10263	3.32604	3.10011	2.86716
3742938.31	3.10405	3.11900	2.92461	2.94342	3.78678	3.01595	3.37335	3.10135	2.81821
3741938.31	2.85050	2.98605	2.75616	3.54227	3.33955	2.92789	2.91835	3.04427	2.91955

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - Project-Related LST Assessment 2017 *** 12/19/12
*** NO2 (No Refrigeration) *** 16:16:36
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	1.98434	1.78274	1.54052	1.27378	1.09106	0.93152	0.78707	0.60844	0.38734
3766938.31	2.15730	1.76600	1.38987	1.31196	1.07772	0.47977	0.52438	0.50997	0.47155
3765938.31	2.26058	1.61604	1.20498	1.27253	1.12523	0.71295	0.55655	0.55823	0.67554
3764938.31	2.28289	1.94669	1.63679	1.75243	1.17542	0.94468	0.90089	0.86337	0.73293
3763938.31	2.57267	2.36136	2.47931	1.97942	1.50676	1.18392	1.11502	1.11189	0.96416
3762938.31	2.57336	2.64940	2.11300	1.90611	1.58457	1.43100	1.27388	1.19792	1.12594
3761938.31	2.94212	2.61730	2.28822	1.36616	1.65284	1.43114	1.50015	1.46801	1.26676
3760938.31	3.17435	3.01767	2.22516	1.97947	1.81925	2.09543	1.79451	1.63820	1.38729
3759938.31	3.15092	2.78467	2.75519	2.85277	2.51155	2.13042	1.98842	1.75948	1.59726
3758938.31	3.70664	3.32896	2.66020	2.47002	2.55259	2.52540	2.44655	2.32188	1.79343
3757938.31	3.34369	3.23378	3.03756	2.86828	2.70493	2.59620	2.54482	2.52197	2.53747
3756938.31	3.66037	3.41609	3.23858	3.26827	3.27470	3.14689	2.95853	2.85200	2.88638
3755938.31	4.52425	4.17144	3.91902	3.66447	3.42919	3.18380	2.90447	2.76314	2.64289
3754938.31	4.10143	3.71444	3.38352	3.21709	2.96141	2.78745	2.65593	2.57096	2.49901
3753938.31	3.99929	3.71700	3.46044	3.15863	2.96702	2.82906	2.75268	2.68598	2.63307
3752938.31	4.63521	3.79844	3.46466	3.08505	3.10331	2.96738	2.94790	2.89884	2.81328
3751938.31	4.79787	4.45759	3.67081	3.39093	3.44464	3.12293	2.89943	2.89233	2.78693
3750938.31	5.59320	4.64949	3.40351	3.52674	3.36723	3.18921	2.89790	2.95188	2.84135
3749938.31	5.63544	5.06349	4.32726	3.78859	3.42958	2.83682	2.92293	2.94585	2.88373
3748938.31	5.12779	4.80579	4.31408	3.65240	3.44691	3.53313	3.29791	3.16393	2.76674
3747938.31	4.59884	4.72315	4.23214	3.87150	3.45700	2.89467	3.19796	3.20954	3.25583
3746938.31	3.63981	3.79567	3.83419	3.72707	3.66664	3.32153	3.33446	3.26968	3.02996
3745938.31	3.58866	3.46791	3.92762	3.81099	3.70576	3.59497	3.34547	2.87838	2.52033
3744938.31	2.90509	3.22222	3.19314	2.87056	2.83148	2.83168	3.04585	1.83510	2.13959
3743938.31	2.80018	2.66148	2.88794	2.96145	3.18126	2.58207	1.60638	1.79676	1.40651
3742938.31	2.68171	2.61752	2.49628	2.66453	2.80142	3.20175	2.46183	1.48014	1.26395
3741938.31	2.64619	2.53224	2.46473	2.35253	2.48236	2.64717	2.62727	2.64646	1.71695

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - Project-Related LST Assessment 2017 *** 12/19/12
*** NO2 (No Refrigeration) *** 16:16:36
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	21.90966	23.01559	23.75613	25.50642	27.12028	28.31537	29.69702	30.63199	33.55380
3754534.43	20.75281	21.88521	22.24508	23.62698	25.48257	27.77159	29.15672	31.68595	33.63762
3754434.43	20.13682	20.73805	21.29728	22.03818	24.79375	25.44249	27.27677	28.99511	31.28091
3754334.43	19.50422	20.29853	21.49163	22.71263	23.40974	24.51005	25.52457	28.46485	30.79623
3754234.43	18.84395	19.80118	20.64062	21.61038	22.62488	24.06463	24.68290	26.55591	28.78922
3754134.43	18.84114	19.09598	19.98728	20.72742	21.44176	22.40981	23.77192	25.56109	26.70798
3754034.43	18.25792	18.21537	18.96650	19.67771	20.49390	21.50193	22.11032	24.10239	25.00274
3753934.43	17.48228	17.65302	18.32186	18.90106	19.67048	20.28112	21.02506	22.68970	24.85732
3753834.43	16.60732	17.06934	17.44523	18.31441	18.66123	19.45392	20.88645	22.30662	23.80502
3753734.43	15.92401	16.40226	16.84254	17.45744	18.26808	19.33342	21.05471	22.12641	23.63972
3753634.43	15.51561	16.19984	16.46718	17.49346	18.49946	19.50808	20.60041	21.75877	23.20719
3753534.43	15.28644	15.85727	16.71583	17.74258	18.58772	19.37603	20.27861	21.24663	22.85980
3753434.43	15.30463	16.09163	16.88283	17.62097	18.44876	19.21282	19.97584	20.94926	22.53932
3753334.43	15.43907	16.09306	16.67548	17.32473	18.00646	18.78256	19.40698	20.15900	21.22406
3753234.43	15.29584	15.80341	16.35597	16.91870	17.34930	17.76636	18.28363	18.73767	19.97337
3753134.43	15.07222	15.43774	15.72607	16.09026	16.52995	16.91200	17.31209	18.10024	18.54432
3753034.43	14.50160	14.83348	15.17179	15.45994	15.73362	16.02253	16.81745	17.11376	17.49889
3752934.43	13.84885	14.15006	14.48441	14.54423	14.97643	15.57361	15.97151	16.23284	16.38489
3752834.43	13.46486	13.57992	13.79589	14.08625	14.63241	14.93195	15.16336	15.47032	15.56548
3752734.43	12.80899	13.09839	13.24046	13.73653	14.03874	14.34303	14.38356	14.69627	14.93347
3752634.43	12.48451	12.57192	13.11553	13.35844	13.47867	13.92520	14.06905	14.17457	14.19106
3752534.43	11.99982	12.33260	12.46146	12.86050	12.94934	13.12961	13.36975	13.38068	13.52657
3752434.43	11.70544	12.13901	12.27931	12.43584	12.50846	12.47847	12.80079	12.72828	12.98629
3752334.43	11.46095	11.72563	11.84246	11.90669	12.05178	12.08372	12.23548	12.27749	12.44916

3752234.43	11.10325	11.26322	11.50597	11.50543	11.53577	11.40392	11.75296	11.73774	12.02832
3752134.43	10.79657	10.98159	11.05859	11.11971	11.21236	11.22500	11.30592	11.57944	11.85273
3752034.43	10.61159	10.69135	10.59710	10.70344	10.87019	10.81056	10.99540	11.22415	11.48094
3751934.43	10.16034	10.24301	10.35123	10.37889	10.43764	10.57263	10.79666	10.86131	11.19136
3751834.43	9.85564	9.98235	10.06383	10.18003	10.14154	10.34750	10.49144	10.77694	11.29360
3751734.43	9.73941	9.80092	9.97066	10.00902	10.02397	10.08540	10.22005	10.47533	10.86546
3751634.43	9.55749	9.67091	9.70083	9.76330	9.91743	9.75093	10.07359	10.40245	11.73231
3751534.43	9.33511	9.42692	9.78102	9.81203	9.97866	9.89488	10.04116	11.59337	12.35991
3751434.43	9.20836	9.46892	9.67848	9.77456	9.76131	10.35905	11.47850	11.80171	10.60706
3751334.43	9.08516	9.27466	9.44737	9.48166	9.44398	10.60052	11.51652	10.50477	9.02074
3751234.43	9.01167	9.17642	9.19987	9.64180	10.24900	11.08320	11.03392	9.71472	8.30318
3751134.43	8.92647	8.90679	8.86082	10.46230	10.73001	10.90052	10.82099	9.64549	8.54964
3751034.43	8.68304	8.70797	10.03124	10.23544	10.51019	10.52000	9.98732	8.64034	7.52430
3750934.43	9.37862	9.46550	9.97679	9.85085	10.00563	9.95997	8.99501	7.58654	6.53831

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	37.65250
3754534.43	35.23562
3754434.43	35.98140
3754334.43	35.73937
3754234.43	32.35955
3754134.43	29.61329
3754034.43	27.65044
3753934.43	27.82504
3753834.43	26.75557
3753734.43	26.20107
3753634.43	25.64973
3753534.43	25.51843
3753434.43	25.01469
3753334.43	23.03522
3753234.43	20.87365
3753134.43	19.55743
3753034.43	18.09202
3752934.43	16.50875
3752834.43	16.00418
3752734.43	15.15167
3752634.43	14.39987
3752534.43	13.70327
3752434.43	13.14675
3752334.43	12.64087
3752234.43	12.39489
3752134.43	12.06701
3752034.43	12.12514
3751934.43	11.84302
3751834.43	11.55696
3751734.43	12.07936
3751634.43	12.96798
3751534.43	11.18108
3751434.43	8.90576
3751334.43	7.32224
3751234.43	7.10592
3751134.43	7.08662
3751034.43	6.57962
3750934.43	5.98975

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	27.29309	27.35444	27.39892	27.62652
3753334.90	21.79584	21.93415	22.63510	25.26753
3753234.90	19.74043	20.40224	21.35191	24.46584
3753134.90	18.52816	19.38169	20.99057	22.69945
3753034.90	17.79966	18.86271	19.64914	20.78337
3752934.90	17.15875	17.71186	18.00748	19.22589
3752834.90	16.41700	16.53299	17.03717	18.14116
3752734.90	15.49836	15.63472	16.11392	17.36701
3752634.90	14.59589	14.83239	15.34506	16.97242
3752534.90	13.91562	14.08804	14.62444	16.40944
3752434.90	13.32973	13.62685	14.41196	16.77156
3752334.90	13.01225	13.45389	14.50516	17.72941
3752234.90	12.75205	13.40918	14.65790	17.40380
3752134.90	12.59939	13.58581	14.64767	16.50832

3752034.90	12.64385	13.38655	14.23023	15.70516
3751934.90	12.35028	12.99557	13.82851	14.50453
3751834.90	12.20543	13.42063	13.72599	13.11225
3751734.90	12.68147	13.03825	12.96008	10.42106
3751634.90	13.00501	12.26613	11.16997	9.31404
3751534.90	10.87279	10.01912	9.14480	8.87446
3751434.90	8.15007	7.85039	7.52050	8.19665
3751334.90	6.95232	6.85017	6.85585	7.51976
3751234.90	6.69298	6.32999	6.49362	6.82839
3751134.90	6.36541	6.10620	6.27709	6.35002
3751034.90	6.00878	5.86406	6.07076	6.10264
3750934.90	5.74626	5.69936	5.85456	5.83290

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - Project-Related LST Assessment 2017 *** 12/19/12
*** NO2 (No Refrigeration) *** 16:16:36
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
485619.40	3753969.72	30.58138	485712.99	3753961.92	30.48390
487190.85	3754410.34	57.67477	487194.75	3754289.46	45.53259
487268.83	3754090.60	34.46950	487483.30	3754102.29	30.13524

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - Project-Related LST Assessment 2017 *** 12/19/12
*** NO2 (No Refrigeration) *** 16:16:36
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	1.31056	1.31239	1.35355	1.40679	1.38620	1.40937	1.48650	1.52934	1.51820
3766938.31	1.32792	1.34043	1.36545	1.37625	1.41750	1.44975	1.45042	1.61460	1.59036
3765938.31	1.39553	1.48004	1.38663	1.41110	1.44201	1.44156	1.54418	1.66742	1.58718
3764938.31	1.36782	1.49199	1.49911	1.46831	1.45965	1.47554	1.49627	1.59794	1.65388
3763938.31	1.34523	1.50792	1.41391	1.47320	1.48851	1.54399	1.55644	1.61907	1.66655
3762938.31	1.35666	1.34018	1.37865	1.42172	1.47364	1.54823	1.62490	1.70926	1.75054
3761938.31	1.28475	1.36841	1.42302	1.46336	1.45776	1.53922	1.63736	1.70042	1.84080
3760938.31	1.29083	1.34724	1.37635	1.41748	1.53746	1.59369	1.65387	1.70142	1.83077
3759938.31	1.31754	1.35581	1.44318	1.45457	1.53695	1.56790	1.64222	1.76575	1.86864
3758938.31	1.40249	1.42977	1.44507	1.49630	1.54645	1.59948	1.66983	1.73759	1.85958
3757938.31	1.41806	1.44548	1.53378	1.60123	1.64109	1.71342	1.74888	1.80337	1.92403
3756938.31	1.37850	1.39322	1.48452	1.56549	1.62979	1.75553	1.81779	1.88488	2.05107
3755938.31	1.32674	1.36401	1.41853	1.47202	1.58650	1.70766	1.82135	1.97938	1.98528
3754938.31	1.39862	1.44815	1.50404	1.56525	1.63464	1.77681	1.88105	2.01354	2.13107
3753938.31	1.26616	1.31382	1.37079	1.43183	1.53153	1.64308	1.74603	1.90186	2.05915
3752938.31	1.26697	1.30898	1.36483	1.42440	1.52366	1.64610	1.77935	1.91873	2.03446
3751938.31	1.31900	1.36089	1.38807	1.49567	1.61436	1.72010	1.81667	1.94557	2.05987
3750938.31	1.34231	1.42439	1.47761	1.51285	1.56518	1.68012	1.83384	1.90709	2.00917
3749938.31	1.32883	1.35746	1.44515	1.53863	1.57882	1.61672	1.72645	1.78070	1.90939
3748938.31	1.29599	1.27404	1.31159	1.45165	1.49941	1.59516	1.72566	2.25923	2.06009
3747938.31	1.28450	1.33570	1.33161	1.46871	1.57196	1.97259	2.08045	2.16296	2.01833
3746938.31	1.40042	1.46834	1.48216	1.49313	1.57654	1.68862	1.77075	1.84175	1.86498
3745938.31	1.37850	1.46687	1.49926	1.54526	1.55114	1.58592	1.68035	1.83791	2.01287
3744938.31	1.41219	1.44173	1.45745	1.44357	1.55460	1.65444	2.00692	1.84959	2.02868
3743938.31	1.31856	1.36367	1.46569	1.49974	1.53716	1.55435	1.64818	1.67967	1.71576
3742938.31	1.37105	1.42402	1.46255	1.53665	1.57000	1.68092	1.62282	1.80770	2.16820
3741938.31	1.38936	1.59841	1.70229	1.75053	1.87810	1.92020	2.01929	1.90879	2.22560

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - Project-Related LST Assessment 2017 *** 12/19/12
*** NO2 (No Refrigeration) *** 16:16:36
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	1.54054	1.60845	1.65647	1.67982	1.72541	1.81602	1.84755	1.84985	2.00607
3766938.31	1.66293	1.65339	1.75397	1.78703	1.87840	1.94444	1.99556	2.06909	2.06160
3765938.31	1.72974	1.81073	1.95473	1.87296	2.00088	2.12516	2.18092	2.28192	2.34310
3764938.31	1.70901	1.82826	2.58400	2.11257	2.02347	2.23808	2.42623	3.15754	2.66077
3763938.31	1.77113	1.85486	2.05193	2.40262	2.21001	2.26951	2.53200	3.49025	3.16704
3762938.31	1.80631	1.91158	2.06519	2.17920	2.52031	3.16589	2.58120	2.87293	3.65844

3761938.31	2.08249	3.05766	3.33508	2.32563	3.50915	2.32368	3.04715	3.72496	4.25572
3760938.31	2.04800	2.30482	3.26815	3.21600	3.82235	3.56926	2.35868	2.44962	3.98241
3759938.31	1.96376	2.09872	3.04366	2.33369	3.99288	4.16255	4.48745	2.65477	4.22881
3758938.31	1.98509	2.20020	2.60881	2.33586	3.88695	4.36719	4.64935	5.16167	4.90407
3757938.31	2.09881	2.26876	2.70757	2.45629	2.59243	4.66559	4.07817	5.41049	5.86330
3756938.31	2.21687	2.47483	2.59176	3.00814	3.27139	4.77540	4.13152	4.29392	6.09525
3755938.31	2.26083	2.45958	2.59000	2.87264	3.39468	3.71526	3.82821	4.26909	4.80883
3754938.31	2.25644	2.40202	2.54371	2.71289	2.94909	3.26644	3.62538	4.07142	4.57448
3753938.31	2.14613	2.20140	2.38602	2.58403	2.80717	3.09195	3.42529	3.81426	4.29884
3752938.31	2.17241	2.28563	2.41008	2.61676	2.84239	3.14519	3.44806	3.78200	4.22683
3751938.31	2.26190	2.91567	2.43898	2.53443	2.71305	2.88380	3.18276	3.47525	3.82972
3750938.31	2.40836	2.75910	2.46875	2.37554	2.52420	2.80431	3.05656	3.38255	3.80040
3749938.31	2.36516	2.58044	2.57800	2.37099	2.55365	2.77343	2.91802	3.19348	3.49777
3748938.31	2.36736	2.53613	2.47469	2.42455	2.44778	2.66595	2.80658	3.00067	3.18318
3747938.31	2.24723	2.34724	2.41549	2.54918	2.42357	2.52984	2.58948	2.81573	2.96304
3746938.31	2.31796	2.22091	2.26130	2.74730	2.56340	2.42220	2.55903	2.64336	2.77282
3745938.31	2.44682	2.17023	2.17618	2.30378	2.59575	2.30034	2.40804	2.49527	2.60393
3744938.31	1.93812	1.92076	2.10124	2.18558	2.57845	2.21851	2.25367	2.34822	2.44551
3743938.31	1.83978	1.92715	2.02382	2.05518	2.22726	2.09168	2.16870	2.25378	2.28103
3742938.31	2.04359	2.16560	2.26642	2.20239	2.09274	2.05594	2.11723	2.12427	2.09829
3741938.31	2.25870	2.37275	2.40284	2.15314	2.28739	2.55544	2.03743	1.96778	2.01613

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	1.97524	1.98974	2.05034	2.09982	2.10486	2.26616	2.34539	2.32555	2.56201
3766938.31	2.11805	2.18559	2.21394	2.24752	2.31532	2.41903	2.49435	2.90215	3.32099
3765938.31	2.37245	2.29828	2.41376	2.50544	2.53713	2.79806	3.30662	3.50267	3.44187
3764938.31	2.51637	2.59046	2.50715	2.65779	2.84274	3.74137	3.90271	3.75011	3.41930
3763938.31	3.77479	2.82671	2.86180	2.80756	2.87908	3.49938	3.92078	3.61570	3.29363
3762938.31	3.39733	3.73731	3.21718	3.38877	3.35957	3.22628	4.60548	4.68125	4.36984
3761938.31	3.67867	3.11727	4.54414	4.51800	4.55008	3.66593	4.24136	5.20231	4.93619
3760938.31	4.28273	2.71793	2.85135	3.73976	4.35454	5.14376	5.19489	4.38321	5.55542
3759938.31	3.11729	3.33758	2.92506	3.12741	3.58622	5.01657	6.31563	7.00236	6.94791
3758938.31	3.16902	3.23253	4.26326	3.69437	3.98694	5.03694	5.75866	5.02195	6.31603
3757938.31	4.98013	3.86217	4.12108	5.95305	5.36852	6.90709	5.93426	6.36180	6.40692
3756938.31	6.68602	6.97087	6.52582	6.51567	8.87325	8.75213	9.22741	10.89681	9.53537
3755938.31	6.77886	7.99057	9.10831	10.77308	12.28813	13.01285	13.90186	18.72944	17.90577
3754938.31	5.37912	6.89500	7.62924	10.92553	14.40515	19.61339	33.86203	34.96438	33.34742
3753938.31	4.90098	5.80228	6.92525	8.68039	12.23839	15.63031	26.43102	23.80928	25.83089
3752938.31	4.69774	5.47677	6.36973	7.60926	9.51484	12.17646	15.26840	15.63114	16.91116
3751938.31	4.41241	5.02929	5.75227	6.75654	7.54280	8.79985	11.44057	7.82511	13.51934
3750938.31	4.13719	4.65026	5.01926	5.62294	6.41759	8.35857	5.16337	6.19732	10.43426
3749938.31	3.77374	4.08509	4.63763	5.88168	6.26742	7.71354	7.27895	7.98443	6.50118
3748938.31	3.49105	3.74143	4.96042	3.89060	6.04040	5.32511	5.18026	5.12307	6.36785
3747938.31	3.17167	3.39163	4.07669	4.44108	4.23168	4.25948	4.21270	4.39409	5.93572
3746938.31	2.92725	3.08693	3.25556	3.36154	3.57728	3.66976	3.75086	4.75157	3.73611
3745938.31	2.71666	2.74074	2.90552	3.11991	3.22829	3.26427	4.45889	4.12486	3.23199
3744938.31	2.48156	2.53652	2.64067	2.80589	2.95759	2.98936	2.99262	3.07708	2.94990
3743938.31	2.31610	2.36639	2.53635	2.60408	3.06705	2.60612	2.75054	2.76732	2.73687
3742938.31	2.19481	2.20811	2.36734	2.44598	2.53911	2.52221	2.49201	2.58220	2.54851
3741938.31	2.06508	2.20328	2.24068	2.33671	2.38294	2.38356	2.31537	2.42556	2.39197

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	2.97323	3.05097	2.70285	2.23894	1.78289	1.55310	1.70767	1.79656	1.61506
3766938.31	3.15461	2.87791	2.42531	2.38305	2.11070	2.11065	2.13720	1.85660	1.69202
3765938.31	3.11405	2.88127	3.08996	3.07756	2.67486	2.56394	2.16131	1.87197	1.79340
3764938.31	3.27564	3.52594	3.52084	3.25446	3.07736	2.48281	2.18397	2.08946	1.85012
3763938.31	3.58724	3.74970	3.86546	3.26878	3.17083	2.68768	2.41469	2.11421	2.15630
3762938.31	4.61232	4.60193	4.12001	3.80632	3.13455	2.74699	2.38937	2.43858	2.27638
3761938.31	4.17467	4.08615	3.60569	3.44951	3.13555	2.72430	2.78365	2.57295	2.43964
3760938.31	5.41866	4.22643	4.35791	3.60929	3.15700	3.49829	3.17286	2.78125	2.56740
3759938.31	6.79885	6.40107	5.53526	4.56099	4.16157	3.86251	3.40158	3.26104	2.83018
3758938.31	5.03210	5.38270	5.78409	5.13865	5.24326	4.48440	4.07345	3.38875	3.17270
3757938.31	5.55980	4.92836	4.80448	4.29219	4.18460	4.90159	3.72947	3.25667	3.00715
3756938.31	6.96807	5.79955	5.62241	4.95233	3.77359	4.16652	4.18461	3.27760	2.92072
3755938.31	12.12076	8.32930	6.69371	4.75242	4.56007	3.84930	3.94095	4.13744	3.79298
3754938.31	25.61642	15.03899	10.51490	7.86487	5.70688	5.94640	4.87491	3.77245	3.54537
3753938.31	21.75953	18.90323	14.29076	9.92436	8.40595	6.58955	6.31362	5.14797	3.57071
3752938.31	15.97759	13.20840	11.73763	12.54376	8.59919	8.59964	7.48705	6.07631	3.81201
3751938.31	9.50762	9.37449	8.68738	8.46681	7.77897	8.78215	7.59558	6.25253	4.33795
3750938.31	6.98786	6.96193	6.64334	6.46187	6.14775	5.86055	5.86568	6.41032	4.92323

3749938.31	5.59091	5.63949	5.58685	5.24862	5.23698	4.93678	4.64740	5.00976	4.80797
3748938.31	4.83297	4.71105	4.73494	4.71737	4.33989	4.26904	4.02032	5.28569	4.12270
3747938.31	4.15968	4.10418	4.17355	4.12039	4.01354	3.69362	3.58059	3.51465	3.91587
3746938.31	3.63383	3.86031	3.64519	3.65124	3.58023	3.48466	3.23997	3.15229	3.12401
3745938.31	3.23382	3.31497	3.27017	3.32241	3.27995	3.21806	3.06888	2.88729	2.83821
3744938.31	2.96207	3.04105	3.05385	2.97403	2.94750	2.95405	2.93154	2.75603	2.61620
3743938.31	2.75238	2.80807	2.82134	2.74558	2.81950	2.80563	2.70972	2.67512	2.49405
3742938.31	2.59453	2.62565	2.64005	2.64252	3.46427	2.53211	3.09803	2.49860	2.51875
3741938.31	2.46421	2.49118	2.49458	3.34263	3.01612	2.56106	2.33959	2.54496	2.34259

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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	1.51773	1.43584	1.30039	1.17490	1.01107	0.81649	0.61981	0.40016	0.26327
3766938.31	1.60973	1.43019	1.29553	1.23765	0.99315	0.32507	0.32585	0.32637	0.35234
3765938.31	1.60298	1.48745	1.13713	1.22398	1.02678	0.47904	0.38044	0.40664	0.52656
3764938.31	1.85334	1.66249	1.50330	1.46578	1.12692	0.86171	0.81678	0.73287	0.58132
3763938.31	2.00523	1.99307	1.76673	1.63809	1.41376	1.12586	1.04149	1.05930	0.89157
3762938.31	2.15085	2.03566	1.75206	1.57218	1.46611	1.34172	1.22187	1.09740	1.05936
3761938.31	2.26255	2.08173	1.78969	1.30049	1.50403	1.35663	1.41638	1.34361	1.19155
3760938.31	2.38773	2.09512	1.88668	1.73996	1.62864	1.58960	1.52815	1.41071	1.29023
3759938.31	2.38351	2.15640	2.00822	1.91331	1.83221	1.72922	1.57707	1.49202	1.41077
3758938.31	2.67108	2.33754	2.08990	1.93211	1.88802	1.77881	1.71753	1.65208	1.48275
3757938.31	2.69195	2.49208	2.23079	2.12689	2.00019	1.88762	1.80662	1.76802	1.76315
3756938.31	2.73401	2.60525	2.44455	2.42539	2.28827	2.21288	2.09686	2.02803	1.89260
3755938.31	3.50820	3.14032	2.83761	2.54683	2.34958	2.17836	2.05941	2.00895	1.92325
3754938.31	3.18750	2.91150	2.58022	2.45398	2.28118	2.19452	2.07786	2.01229	1.97640
3753938.31	3.19802	3.01796	2.83686	2.56936	2.36897	2.21805	2.14312	2.09677	2.05473
3752938.31	3.71479	3.08099	2.82295	2.46021	2.42253	2.20005	2.14675	2.11960	2.06854
3751938.31	3.81068	3.60183	2.84136	2.51307	2.59644	2.30402	2.08201	2.19396	2.12619
3750938.31	4.57370	3.82321	2.74722	2.73268	2.57120	2.42580	2.33498	2.29099	2.04610
3749938.31	5.21210	4.60325	3.60048	2.80761	2.64948	2.31550	2.31307	2.32127	2.24324
3748938.31	4.47365	4.40374	3.73513	3.16245	2.88163	2.89367	2.47032	2.53309	2.26762
3747938.31	4.08727	4.28861	3.61600	3.36979	2.91098	2.37077	2.80147	2.76523	2.83811
3746938.31	2.98120	3.23726	3.18825	3.12642	3.14217	2.85639	2.88617	2.93304	2.70519
3745938.31	2.79344	2.75565	3.40330	3.49557	3.23078	3.29321	2.97745	2.42700	2.09635
3744938.31	2.57571	2.48207	2.48583	2.40810	2.03272	2.31049	2.37381	1.59940	1.64606
3743938.31	2.40155	2.35351	2.28060	2.28488	2.70555	1.74896	1.47190	1.50820	1.32937
3742938.31	2.30810	2.23515	2.17824	2.13996	2.13338	2.83204	1.86624	1.35714	1.22107
3741938.31	2.31308	2.15538	2.08810	2.05669	1.99883	2.01826	2.03335	2.37484	1.31347

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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	18.78726	19.77325	20.25842	22.00421	23.83121	24.37182	25.53046	26.58389	29.47937
3754534.43	18.38071	19.59603	19.09870	20.29020	22.04684	24.67179	25.18829	27.23971	29.08323
3754434.43	17.86712	18.32927	18.93889	19.60386	21.90045	22.42982	23.98693	25.70182	27.55228
3754334.43	16.90727	17.57541	18.54855	19.44775	20.14308	21.07743	21.88917	24.44953	26.38738
3754234.43	16.45645	17.26886	17.92257	18.68910	19.51609	20.65954	21.12839	22.77704	24.64531
3754134.43	16.23182	16.67988	17.42227	18.05596	18.72923	19.50871	20.81739	22.50746	23.48862
3754034.43	16.00278	16.13603	16.86634	17.51885	18.28997	19.28154	19.85949	22.01987	23.00730
3753934.43	15.62343	15.81993	16.51301	17.12952	18.02649	18.71057	19.55989	21.22722	22.69200
3753834.43	14.96330	15.52223	15.98477	16.93236	17.36852	18.27988	19.34636	20.36144	21.40610
3753734.43	14.73459	15.29797	15.78403	16.44473	17.03420	17.67192	19.16546	20.01435	21.32145
3753634.43	14.27372	15.00301	15.26994	16.01085	16.72349	17.56579	18.51072	19.55464	20.90402
3753534.43	14.14607	14.64240	15.23168	16.01348	16.70093	17.37524	18.17363	19.08417	20.63219
3753434.43	13.78643	14.35467	14.98557	15.50136	16.27404	16.91038	17.79824	18.73070	20.31920
3753334.43	13.52796	14.07131	14.56837	15.14495	15.82227	16.51016	17.13456	18.00094	19.24237
3753234.43	13.39494	13.83085	14.25523	14.67652	15.14721	15.78267	16.44419	17.11898	17.73526
3753134.43	13.04217	13.37650	13.74367	14.15942	14.63210	15.28197	15.67177	16.00575	16.57297
3753034.43	12.63360	12.94828	13.31693	13.75599	14.21498	14.47503	14.84231	15.13467	15.66911
3752934.43	12.16739	12.47252	12.91139	13.13955	13.45690	13.76761	14.06559	14.37712	14.66271
3752834.43	11.90784	12.14958	12.36864	12.59442	12.81826	13.07766	13.40021	13.67250	13.79247
3752734.43	11.43364	11.63724	11.73600	11.98650	12.29943	12.59148	12.60825	12.94189	13.17947
3752634.43	10.98794	11.11236	11.45503	11.62458	11.72930	12.13787	12.31677	12.48766	12.60485
3752534.43	10.57433	10.74827	10.83108	11.11433	11.25187	11.45581	11.75147	11.86174	12.08574
3752434.43	10.20121	10.45012	10.58148	10.77411	10.87355	10.94235	11.32750	11.32390	11.64780
3752334.43	9.85286	10.07896	10.21934	10.34686	10.54849	10.67850	10.84970	10.98975	11.22523
3752234.43	9.52728	9.69326	9.98286	10.06192	10.17154	10.09125	10.47400	10.55156	10.81227
3752134.43	9.27181	9.50315	9.64929	9.74857	9.89137	9.94066	10.09751	10.34994	10.65808
3752034.43	9.17487	9.27927	9.27388	9.41857	9.58094	9.60616	9.79943	10.07494	10.38556
3751934.43	8.78152	8.94383	9.06677	9.11931	9.23440	9.36622	9.60021	9.77844	10.31259
3751834.43	8.59190	8.71462	8.81994	8.95879	8.95860	9.15306	9.41137	9.87519	10.43507
3751734.43	8.45471	8.56215	8.72512	8.79176	8.83385	8.98291	9.28315	9.74026	10.19232

3751634.43	8.31614	8.42055	8.48959	8.56660	8.81569	8.77830	9.31554	9.73527	10.73848
3751534.43	8.09817	8.23551	8.67954	8.75756	8.95553	9.00807	9.40334	10.47496	10.83398
3751434.43	8.01038	8.35629	8.60049	8.74703	8.84474	9.52250	10.30171	10.34138	8.57461
3751334.43	7.97943	8.23330	8.43656	8.61840	8.80347	9.63938	10.16142	8.58285	7.09771
3751234.43	7.96781	8.18322	8.34145	8.84465	9.32781	9.98921	9.60483	7.73680	6.66235
3751134.43	7.94113	8.02928	8.19943	9.38127	9.62931	9.65624	9.38410	7.68557	6.92646
3751034.43	7.83513	8.06587	8.93119	8.95848	9.34798	9.19848	8.20735	6.92458	6.16917
3750934.43	8.38550	8.42071	8.80411	8.56620	8.66705	8.42828	7.08545	6.12941	5.58020

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - Project-Related LST Assessment 2017 *** 12/19/12
*** NO2 (No Refrigeration) *** 16:16:36
PAGE 83

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	33.52192
3754534.43	30.86625
3754434.43	31.89522
3754334.43	30.76842
3754234.43	27.85839
3754134.43	26.34424
3754034.43	25.27693
3753934.43	24.97361
3753834.43	24.07529
3753734.43	23.69533
3753634.43	23.25402
3753534.43	23.22287
3753434.43	22.70079
3753334.43	20.39237
3753234.43	18.74049
3753134.43	17.55079
3753034.43	16.28760
3752934.43	14.75315
3752834.43	14.16663
3752734.43	13.47129
3752634.43	12.94392
3752534.43	12.31254
3752434.43	11.88550
3752334.43	11.47973
3752234.43	11.22334
3752134.43	10.98895
3752034.43	11.25533
3751934.43	10.98375
3751834.43	10.75789
3751734.43	11.14852
3751634.43	11.47441
3751534.43	9.14266
3751434.43	7.21164
3751334.43	6.24816
3751234.43	6.12104
3751134.43	5.92598
3751034.43	5.61950
3750934.43	5.32111

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center - Project-Related LST Assessment 2017 *** 12/19/12
*** NO2 (No Refrigeration) *** 16:16:36
PAGE 84

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112749 , L0112750 , L0112751 , L0112752 ,
L0112753 , L0112754 , L0112755 , L0112756 , L0112757 , L0112758 , L0112759 , L0112760 ,
L0112761 , L0112762 , L0112763 , L0112764 , L0111674 , L0111675 , L0111676 , L0111677 ,
L0111678 , L0111679 , L0111680 , L0111681 , L0111682 , L0111683 , L0111684 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	24.85256	25.05808	25.28216	25.68997
3753334.90	19.60549	20.11218	20.96922	23.05204
3753234.90	17.95842	18.69224	20.00357	22.26910
3753134.90	16.95887	17.79507	19.00514	20.51819
3753034.90	16.17622	16.69850	17.62069	18.67028
3752934.90	15.23352	15.78445	16.21749	17.56213
3752834.90	14.57690	14.92729	15.49657	16.65990
3752734.90	13.96119	14.13188	14.74405	15.86336
3752634.90	13.13398	13.55272	14.19905	15.38411
3752534.90	12.64768	12.95620	13.53825	14.79571
3752434.90	12.16313	12.54610	13.22493	14.91137
3752334.90	11.90956	12.30917	13.26975	15.83855
3752234.90	11.62181	12.51849	13.17822	15.43139
3752134.90	11.69212	12.50602	13.13628	14.16854
3752034.90	11.66974	12.15470	12.64186	13.69342
3751934.90	11.41614	11.67311	12.33742	12.82154
3751834.90	11.12235	12.01724	12.43448	11.78327
3751734.90	11.53121	11.64543	11.69615	8.74269
3751634.90	11.56628	10.92411	9.59545	7.78774
3751534.90	9.09285	8.35320	7.53588	7.35715

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 3751434.90 |       6.77184      6.51504      6.30430      6.73392
 3751334.90 |       6.03601      5.92627      5.85565      6.19128
 3751234.90 |       5.81497      5.60242      5.64193      5.81131
 3751134.90 |       5.59406      5.40539      5.46663      5.53345
 3751034.90 |       5.35160      5.26961      5.33224      5.40265
 3750934.90 |       5.16236      5.08567      5.21571      5.24448
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017         ***        12/19/12
                                    *** NO2 (No Refrigeration)                                               ***        16:16:36
                                                                                                                        PAGE  85
 **MODELOPTs:  NonDFAULT CONC                                              ELEV
                         FASTALL                                                  OLM

    *** THE   8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     PHASE1      , L0112749    , L0112750    , L0112751    , L0112752    ,
                  L0112753    , L0112754    , L0112755    , L0112756    , L0112757    , L0112758    , L0112759    , L0112760    ,
                  L0112761    , L0112762    , L0112763    , L0112764    , L0111674    , L0111675    , L0111676    , L0111677    ,
                  L0111678    , L0111679    , L0111680    , L0111681    , L0111682    , L0111683    , L0111684    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                     ** CONC OF NO2      IN MICROGRAMS/M**3                          **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)   Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         485619.40    3753969.72      27.28604                      485712.99    3753961.92      27.44658
         487190.85    3754410.34      52.88558                      487194.75    3754289.46      39.08629
         487268.83    3754090.60      31.04675                      487483.30    3754102.29      27.68982
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017         ***        12/19/12
                                    *** NO2 (No Refrigeration)                                               ***        16:16:36
                                                                                                                        PAGE  86
 **MODELOPTs:  NonDFAULT CONC                                              ELEV
                         FASTALL                                                  OLM

                                    *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER   3 YEARS ***

                                     ** CONC OF NO2      IN MICROGRAMS/M**3                          **

                                                                                                          NETWORK
GROUP ID                      AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS      17.50149 AT (  487190.85,  3754410.34,   509.37,   776.00,    0.00)  DC
          2ND HIGHEST VALUE IS      13.32188 AT (  487194.75,  3754289.46,   507.16,   777.00,    0.00)  DC
          3RD HIGHEST VALUE IS      10.47315 AT (  487268.83,  3754090.60,   503.10,   777.00,    0.00)  DC
          4TH HIGHEST VALUE IS       9.03083 AT (  487483.30,  3754102.29,   501.97,   777.00,    0.00)  DC
          5TH HIGHEST VALUE IS       8.40060 AT (  487553.03,  3753938.31,   496.40,   777.00,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS       7.66516 AT (  486553.03,  3753938.31,   503.00,   811.00,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS       6.82247 AT (  486553.03,  3754938.31,   525.60,   525.60,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS       4.92627 AT (  485712.99,  3753961.92,   506.59,   811.00,    0.00)  DC
          9TH HIGHEST VALUE IS       4.71267 AT (  487553.03,  3754938.31,   526.30,   528.00,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       4.49923 AT (  488553.03,  3753938.31,   497.80,   777.00,    0.00)  GC  UCART1


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017         ***        12/19/12
                                    *** NO2 (No Refrigeration)                                               ***        16:16:36
                                                                                                                        PAGE  87
 **MODELOPTs:  NonDFAULT CONC                                              ELEV
                         FASTALL                                                  OLM

                      *** THE SUMMARY OF MAXIMUM   1ST-HIGHEST MAX DAILY  1-HR RESULTS AVERAGED OVER   3 YEARS ***

                                     ** CONC OF NO2      IN MICROGRAMS/M**3                          **

                                                                                                          NETWORK
GROUP ID                      AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS      57.67477 AT (  487190.85,  3754410.34,   509.37,   776.00,    0.00)  DC
          2ND HIGHEST VALUE IS      45.53259 AT (  487194.75,  3754289.46,   507.16,   777.00,    0.00)  DC
          3RD HIGHEST VALUE IS      37.65250 AT (  485451.71,  3754634.43,   521.00,   521.00,    0.00)  GC  UCART3
          4TH HIGHEST VALUE IS      37.59478 AT (  486553.03,  3754938.31,   525.60,   525.60,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      36.60903 AT (  485553.03,  3754938.31,   527.60,   527.60,    0.00)  GC  UCART1
          6TH HIGHEST VALUE IS      35.98140 AT (  485451.71,  3754434.43,   517.30,   517.30,    0.00)  GC  UCART3
          7TH HIGHEST VALUE IS      35.73937 AT (  485451.71,  3754334.43,   515.90,   515.90,    0.00)  GC  UCART3
          8TH HIGHEST VALUE IS      35.49871 AT (  487553.03,  3754938.31,   526.30,   528.00,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS      35.23562 AT (  485451.71,  3754534.43,   516.00,   520.00,    0.00)  GC  UCART3
         10TH HIGHEST VALUE IS      34.46950 AT (  487268.83,  3754090.60,   503.10,   777.00,    0.00)  DC
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017         ***        12/19/12
                                    *** NO2 (No Refrigeration)                                               ***        16:16:36
                                                                                                                        PAGE  88
 **MODELOPTs:  NonDFAULT CONC                                              ELEV
                         FASTALL                                                  OLM

                      *** THE SUMMARY OF MAXIMUM   8TH-HIGHEST MAX DAILY  1-HR RESULTS AVERAGED OVER   3 YEARS ***

                                     ** CONC OF NO2      IN MICROGRAMS/M**3                          **

                                                                                                          NETWORK
GROUP ID                      AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS      52.88558 AT (  487190.85,  3754410.34,   509.37,   776.00,    0.00)  DC
          2ND HIGHEST VALUE IS      39.08629 AT (  487194.75,  3754289.46,   507.16,   777.00,    0.00)  DC
          3RD HIGHEST VALUE IS      34.96438 AT (  486553.03,  3754938.31,   525.60,   525.60,    0.00)  GC  UCART1
          4TH HIGHEST VALUE IS      33.86203 AT (  485553.03,  3754938.31,   527.60,   527.60,    0.00)  GC  UCART1
          5TH HIGHEST VALUE IS      33.52192 AT (  485451.71,  3754634.43,   521.00,   521.00,    0.00)  GC  UCART3
          6TH HIGHEST VALUE IS      33.34742 AT (  487553.03,  3754938.31,   526.30,   528.00,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS      31.89522 AT (  485451.71,  3754434.43,   517.30,   517.30,    0.00)  GC  UCART3
          8TH HIGHEST VALUE IS      31.04675 AT (  487268.83,  3754090.60,   503.10,   777.00,    0.00)  DC
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 9TH HIGHEST VALUE IS      30.86625 AT (  485451.71,  3754534.43,   516.00,   520.00,    0.00)  GC  UCART3
10TH HIGHEST VALUE IS      30.76842 AT (  485451.71,  3754334.43,   515.90,   515.90,    0.00)  GC  UCART3


*** RECEPTOR TYPES:  GC = GRIDCART
                     GP = GRIDPOLR
                     DC = DISCCART
                     DP = DISCPOLR
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center - Project-Related LST Assessment 2017         ***        12/19/12
                                  *** NO2 (No Refrigeration)                                                 ***        16:16:36
                                                                                                                        PAGE  89
**MODELOPTS:  NonDFAULT CONC                                                  ELEV
                        FASTALL                                                       OLM

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of           0 Fatal Error Message(s)
A Total of         190 Warning Message(s)
A Total of         117 Informational Message(s)

A Total of       26280 Hours Were Processed

A Total of           0 Calm Hours Identified

A Total of         117 Missing Hours Identified (  0.45 Percent)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
CO W361      31 COCARD:Multiyear PERIOD/ANNUAL values for NO2/SO2 require MULTYEAR Opt
SO W320    1326  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1327  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1328  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1329  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1330  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1331  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1332  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1333  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1334  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1517  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1518  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
                                                                   Page 59
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SO W320    1519  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1520  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1716  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1717  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1718  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1719  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
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SO W320    1726  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1727  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1728  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
ME W530    1978 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

   ************************************
   *** AERMOD Finishes Successfully ***
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WLC LST Assessment - PM10 (24-hour average)

Year: 2017 (Unmitigated Emissions - 15 hour day)

Unit Emission Rate	1.00E-07	g/sec-m2
Actual Emissions (Mass Grading):	2.88E-06	g/sec-m2
Actual Emissions (NON Mass Grading):	2.20E-06	g/sec-m2

X(m)	Y(m)	Mass Grading 24hr Ave w/Unit Emissions (ug/m3)	Mass Grading 24hr Ave w/Actual Emissions (ug/m3)	NON Mass Grading 24hr Ave w/Unit Emissions (ug/m3)	NON Mass Grading 24hr Ave w/Actual Emissions (ug/m3)	Year: 2017 (Unmitigated Operational Emissions) X(m)	Y(m)	24hr Ave Operational (ug/m3)	Total 24hr Ave Construction and Operation (ug/m3)
461553	3741938	0.00262	0.08	0.00119	0.03	461553	3741938	0.02	0.1235
462553	3741938	0.00312	0.09	0.00135	0.03	462553	3741938	0.02	0.1439
463553	3741938	0.00342	0.10	0.00157	0.03	463553	3741938	0.03	0.1641
464553	3741938	0.00472	0.14	0.00197	0.04	464553	3741938	0.03	0.2140
465553	3741938	0.00487	0.14	0.00219	0.05	465553	3741938	0.03	0.2228
466553	3741938	0.00491	0.14	0.00233	0.05	466553	3741938	0.03	0.2261
467553	3741938	0.00388	0.11	0.00176	0.04	467553	3741938	0.03	0.1779
468553	3741938	0.00368	0.11	0.00164	0.04	468553	3741938	0.03	0.1725
469553	3741938	0.00401	0.12	0.00182	0.04	469553	3741938	0.03	0.1874
470553	3741938	0.00443	0.13	0.00185	0.04	470553	3741938	0.03	0.1977
471553	3741938	0.00454	0.13	0.00213	0.05	471553	3741938	0.04	0.2206
472553	3741938	0.00423	0.12	0.00208	0.05	472553	3741938	0.04	0.2029
473553	3741938	0.00934	0.27	0.00345	0.08	473553	3741938	0.03	0.3752
474553	3741938	0.00627	0.18	0.00382	0.08	474553	3741938	0.03	0.2973
475553	3741938	0.00537	0.15	0.00231	0.05	475553	3741938	0.05	0.2556
476553	3741938	0.00496	0.14	0.00231	0.05	476553	3741938	0.03	0.2264
477553	3741938	0.00775	0.22	0.00227	0.05	477553	3741938	0.03	0.3026
478553	3741938	0.01167	0.34	0.00486	0.11	478553	3741938	0.04	0.4783
479553	3741938	0.00857	0.25	0.00483	0.11	479553	3741938	0.04	0.3933
480553	3741938	0.00905	0.26	0.00395	0.09	480553	3741938	0.04	0.3890
481553	3741938	0.00783	0.23	0.00404	0.09	481553	3741938	0.04	0.3564
482553	3741938	0.00966	0.28	0.00348	0.08	482553	3741938	0.05	0.4005
483553	3741938	0.0079	0.23	0.00466	0.10	483553	3741938	0.05	0.3801
484553	3741938	0.00861	0.25	0.00394	0.09	484553	3741938	0.05	0.3802
485553	3741938	0.01052	0.30	0.00488	0.11	485553	3741938	0.05	0.4558
486553	3741938	0.00854	0.25	0.00535	0.12	486553	3741938	0.04	0.4077
487553	3741938	0.00821	0.24	0.00327	0.07	487553	3741938	0.04	0.3525
488553	3741938	0.00776	0.22	0.00399	0.09	488553	3741938	0.05	0.3587
489553	3741938	0.00909	0.26	0.00326	0.07	489553	3741938	0.05	0.3855
490553	3741938	0.01242	0.36	0.00477	0.10	490553	3741938	0.06	0.5175
491553	3741938	0.00994	0.29	0.0064	0.14	491553	3741938	0.11	0.5346
492553	3741938	0.0071	0.20	0.0036	0.08	492553	3741938	0.06	0.3430
493553	3741938	0.00821	0.24	0.00329	0.07	493553	3741938	0.07	0.3746
494553	3741938	0.0076	0.22	0.004	0.09	494553	3741938	0.04	0.3456
495553	3741938	0.00767	0.22	0.00584	0.13	495553	3741938	0.05	0.4015
496553	3741938	0.00788	0.23	0.0031	0.07	496553	3741938	0.04	0.3350
497553	3741938	0.00764	0.22	0.00372	0.08	497553	3741938	0.04	0.3428
498553	3741938	0.00699	0.20	0.0034	0.07	498553	3741938	0.04	0.3144
499553	3741938	0.00642	0.18	0.0033	0.07	499553	3741938	0.04	0.2955
500553	3741938	0.00579	0.17	0.0029	0.06	500553	3741938	0.04	0.2659
501553	3741938	0.00518	0.15	0.00273	0.06	501553	3741938	0.03	0.2414
502553	3741938	0.00656	0.19	0.00245	0.05	502553	3741938	0.03	0.2742
503553	3741938	0.00721	0.21	0.00314	0.07	503553	3741938	0.03	0.3062
504553	3741938	0.0049	0.14	0.00292	0.06	504553	3741938	0.03	0.2378
505553	3741938	0.00425	0.12	0.00169	0.04	505553	3741938	0.02	0.1815
461553	3742938	0.00245	0.07	0.0011	0.02	461553	3742938	0.02	0.1176
462553	3742938	0.00263	0.08	0.00119	0.03	462553	3742938	0.02	0.1252
463553	3742938	0.00281	0.08	0.00127	0.03	463553	3742938	0.02	0.1326
464553	3742938	0.00291	0.08	0.00128	0.03	464553	3742938	0.03	0.1374
465553	3742938	0.00352	0.10	0.00149	0.03	465553	3742938	0.02	0.1590
466553	3742938	0.00483	0.14	0.00206	0.05	466553	3742938	0.03	0.2126
467553	3742938	0.00488	0.14	0.00216	0.05	467553	3742938	0.03	0.2143
468553	3742938	0.00615	0.18	0.00278	0.06	468553	3742938	0.03	0.2707
469553	3742938	0.00543	0.16	0.00246	0.05	469553	3742938	0.03	0.2437
470553	3742938	0.00473	0.14	0.00234	0.05	470553	3742938	0.03	0.2146
471553	3742938	0.00505	0.15	0.002	0.04	471553	3742938	0.03	0.2190
472553	3742938	0.00572	0.16	0.00259	0.06	472553	3742938	0.03	0.2541
473553	3742938	0.00455	0.13	0.00211	0.05	473553	3742938	0.03	0.2094
474553	3742938	0.00868	0.25	0.0031	0.07	474553	3742938	0.03	0.3472
475553	3742938	0.00601	0.17	0.00292	0.06	475553	3742938	0.03	0.2666
476553	3742938	0.00438	0.13	0.00209	0.05	476553	3742938	0.03	0.2046
477553	3742938	0.00458	0.13	0.00209	0.05	477553	3742938	0.03	0.2111
478553	3742938	0.01002	0.29	0.00307	0.07	478553	3742938	0.03	0.3892
479553	3742938	0.01267	0.36	0.00586	0.13	479553	3742938	0.04	0.5358
480553	3742938	0.00989	0.28	0.00439	0.10	480553	3742938	0.04	0.4259
481553	3742938	0.01014	0.29	0.0047	0.10	481553	3742938	0.05	0.4426
482553	3742938	0.00861	0.25	0.00409	0.09	482553	3742938	0.05	0.3867
483553	3742938	0.00988	0.28	0.0053	0.12	483553	3742938	0.06	0.4557
484553	3742938	0.01007	0.29	0.00441	0.10	484553	3742938	0.05	0.4393
485553	3742938	0.01225	0.35	0.00525	0.12	485553	3742938	0.05	0.5189
486553	3742938	0.00949	0.27	0.00595	0.13	486553	3742938	0.05	0.4534
487553	3742938	0.00946	0.27	0.00364	0.08	487553	3742938	0.05	0.4016
488553	3742938	0.00791	0.23	0.00456	0.10	488553	3742938	0.05	0.3825
489553	3742938	0.01201	0.35	0.00412	0.09	489553	3742938	0.06	0.4940
490553	3742938	0.01357	0.39	0.00617	0.14	490553	3742938	0.06	0.5893
491553	3742938	0.01	0.29	0.00563	0.12	491553	3742938	0.07	0.4765
492553	3742938	0.01312	0.38	0.00482	0.11	492553	3742938	0.11	0.5913
493553	3742938	0.00734	0.21	0.00445	0.10	493553	3742938	0.06	0.3648
494553	3742938	0.00732	0.21	0.00525	0.12	494553	3742938	0.06	0.3833
495553	3742938	0.00874	0.25	0.0034	0.07	495553	3742938	0.04	0.3711
496553	3742938	0.00844	0.24	0.00415	0.09	496553	3742938	0.05	0.3799
497553	3742938	0.00768	0.22	0.00371	0.08	497553	3742938	0.04	0.3453
498553	3742938	0.00666	0.19	0.00358	0.08	498553	3742938	0.04	0.3127

499553	3742938	0.00617	0.18	0.00293	0.06	499553	3742938	0.04	0.2810
500553	3742938	0.00646	0.19	0.00286	0.06	500553	3742938	0.04	0.2843
501553	3742938	0.00771	0.22	0.00312	0.07	501553	3742938	0.03	0.3248
502553	3742938	0.00859	0.25	0.00459	0.10	502553	3742938	0.05	0.3948
503553	3742938	0.00532	0.15	0.00226	0.05	503553	3742938	0.03	0.2313
504553	3742938	0.00514	0.15	0.00202	0.04	504553	3742938	0.02	0.2156
505553	3742938	0.00412	0.12	0.0017	0.04	505553	3742938	0.03	0.1838
461553	3743938	0.00208	0.06	0.00095	0.02	461553	3743938	0.02	0.1037
462553	3743938	0.0023	0.07	0.00103	0.02	462553	3743938	0.02	0.1128
463553	3743938	0.00257	0.07	0.00115	0.03	463553	3743938	0.03	0.1242
464553	3743938	0.00283	0.08	0.00127	0.03	464553	3743938	0.03	0.1350
465553	3743938	0.00302	0.09	0.00136	0.03	465553	3743938	0.03	0.1425
466553	3743938	0.00314	0.09	0.00142	0.03	466553	3743938	0.03	0.1469
467553	3743938	0.00392	0.11	0.00169	0.04	467553	3743938	0.03	0.1768
468553	3743938	0.00478	0.14	0.00208	0.05	468553	3743938	0.03	0.2117
469553	3743938	0.00546	0.16	0.00241	0.05	469553	3743938	0.03	0.2393
470553	3743938	0.00581	0.17	0.00261	0.06	470553	3743938	0.03	0.2542
471553	3743938	0.00612	0.18	0.00288	0.06	471553	3743938	0.03	0.2697
472553	3743938	0.00469	0.13	0.00236	0.05	472553	3743938	0.03	0.2149
473553	3743938	0.00593	0.17	0.00252	0.06	473553	3743938	0.03	0.2533
474553	3743938	0.00539	0.16	0.00276	0.06	474553	3743938	0.03	0.2484
475553	3743938	0.00656	0.19	0.00257	0.06	475553	3743938	0.03	0.2747
476553	3743938	0.00687	0.20	0.00324	0.07	476553	3743938	0.03	0.3013
477553	3743938	0.005	0.14	0.00244	0.05	477553	3743938	0.04	0.2334
478553	3743938	0.00524	0.15	0.0024	0.05	478553	3743938	0.04	0.2405
479553	3743938	0.01303	0.37	0.00421	0.09	479553	3743938	0.04	0.5085
480553	3743938	0.01268	0.36	0.00669	0.15	480553	3743938	0.05	0.5618
481553	3743938	0.01197	0.34	0.00521	0.11	481553	3743938	0.05	0.5116
482553	3743938	0.01023	0.29	0.00537	0.12	482553	3743938	0.05	0.4661
483553	3743938	0.019	0.55	0.00628	0.14	483553	3743938	0.07	0.7510
484553	3743938	0.00911	0.26	0.00304	0.07	484553	3743938	0.07	0.3955
485553	3743938	0.01467	0.42	0.00567	0.12	485553	3743938	0.06	0.6052
486553	3743938	0.0107	0.31	0.00673	0.15	486553	3743938	0.06	0.5119
487553	3743938	0.01118	0.32	0.00418	0.09	487553	3743938	0.06	0.4696
488553	3743938	0.00975	0.28	0.00514	0.11	488553	3743938	0.06	0.4564
489553	3743938	0.01561	0.45	0.00537	0.12	489553	3743938	0.06	0.6311
490553	3743938	0.01352	0.39	0.00741	0.16	490553	3743938	0.07	0.6231
491553	3743938	0.01029	0.30	0.00568	0.12	491553	3743938	0.07	0.4892
492553	3743938	0.01296	0.37	0.00568	0.12	492553	3743938	0.08	0.5731
493553	3743938	0.01061	0.31	0.00557	0.12	493553	3743938	0.07	0.4960
494553	3743938	0.00988	0.28	0.00429	0.09	494553	3743938	0.05	0.4331
495553	3743938	0.00942	0.27	0.00468	0.10	495553	3743938	0.05	0.4247
496553	3743938	0.00853	0.25	0.00411	0.09	496553	3743938	0.05	0.3843
497553	3743938	0.00682	0.20	0.00395	0.09	497553	3743938	0.05	0.3304
498553	3743938	0.00641	0.18	0.00328	0.07	498553	3743938	0.04	0.3000
499553	3743938	0.00808	0.23	0.00293	0.06	499553	3743938	0.04	0.3363
500553	3743938	0.00866	0.25	0.00385	0.08	500553	3743938	0.04	0.3712
501553	3743938	0.0094	0.27	0.00553	0.12	501553	3743938	0.04	0.4351
502553	3743938	0.00624	0.18	0.00269	0.06	502553	3743938	0.03	0.2672
503553	3743938	0.00566	0.16	0.00265	0.06	503553	3743938	0.03	0.2501
504553	3743938	0.00432	0.12	0.00284	0.06	504553	3743938	0.04	0.2231
505553	3743938	0.00542	0.16	0.00187	0.04	505553	3743938	0.03	0.2273
461553	3744938	0.00259	0.07	0.00118	0.03	461553	3744938	0.02	0.1223
462553	3744938	0.00237	0.07	0.00109	0.02	462553	3744938	0.02	0.1161
463553	3744938	0.00241	0.07	0.0011	0.02	463553	3744938	0.03	0.1188
464553	3744938	0.00235	0.07	0.00105	0.02	464553	3744938	0.03	0.1172
465553	3744938	0.00273	0.08	0.00122	0.03	465553	3744938	0.03	0.1332
466553	3744938	0.00312	0.09	0.00139	0.03	466553	3744938	0.03	0.1494
467553	3744938	0.00342	0.10	0.00157	0.03	467553	3744938	0.04	0.1729
468553	3744938	0.00353	0.10	0.00154	0.03	468553	3744938	0.03	0.1693
469553	3744938	0.00471	0.14	0.00208	0.05	469553	3744938	0.03	0.2149
470553	3744938	0.00635	0.18	0.00266	0.06	470553	3744938	0.04	0.2766
471553	3744938	0.0073	0.21	0.00318	0.07	471553	3744938	0.04	0.3149
472553	3744938	0.00801	0.23	0.00362	0.08	472553	3744938	0.04	0.3466
473553	3744938	0.00702	0.20	0.0034	0.07	473553	3744938	0.04	0.3125
474553	3744938	0.00706	0.20	0.00273	0.06	474553	3744938	0.04	0.3032
475553	3744938	0.00624	0.18	0.00286	0.06	475553	3744938	0.03	0.2751
476553	3744938	0.00676	0.19	0.00253	0.06	476553	3744938	0.03	0.2831
477553	3744938	0.00791	0.23	0.00358	0.08	477553	3744938	0.04	0.3424
478553	3744938	0.00588	0.17	0.00291	0.06	478553	3744938	0.04	0.2736
479553	3744938	0.00716	0.21	0.00281	0.06	479553	3744938	0.04	0.3091
480553	3744938	0.01672	0.48	0.00587	0.13	480553	3744938	0.05	0.6611
481553	3744938	0.01355	0.39	0.00723	0.16	481553	3744938	0.06	0.6064
482553	3744938	0.01412	0.41	0.00638	0.14	482553	3744938	0.06	0.6084
483553	3744938	0.01421	0.41	0.00552	0.12	483553	3744938	0.07	0.5957
484553	3744938	0.01353	0.39	0.0066	0.15	484553	3744938	0.07	0.6049
485553	3744938	0.01415	0.41	0.00435	0.10	485553	3744938	0.09	0.5951
486553	3744938	0.01255	0.36	0.00787	0.17	486553	3744938	0.07	0.6003
487553	3744938	0.01323	0.38	0.00483	0.11	487553	3744938	0.06	0.5506
488553	3744938	0.0139	0.40	0.00554	0.12	488553	3744938	0.07	0.5941
489553	3744938	0.01887	0.54	0.00756	0.17	489553	3744938	0.07	0.7824
490553	3744938	0.01292	0.37	0.00792	0.17	490553	3744938	0.08	0.6255
491553	3744938	0.01514	0.44	0.00513	0.11	491553	3744938	0.08	0.6296
492553	3744938	0.01283	0.37	0.00693	0.15	492553	3744938	0.08	0.6011
493553	3744938	0.01148	0.33	0.00545	0.12	493553	3744938	0.07	0.5172
494553	3744938	0.0108	0.31	0.00541	0.12	494553	3744938	0.06	0.4865
495553	3744938	0.00964	0.28	0.00465	0.10	495553	3744938	0.06	0.4352
496553	3744938	0.00785	0.23	0.00439	0.10	496553	3744938	0.05	0.3759
497553	3744938	0.00828	0.24	0.00373	0.08	497553	3744938	0.05	0.3694
498553	3744938	0.00984	0.28	0.00398	0.09	498553	3744938	0.04	0.4151
499553	3744938	0.01036	0.30	0.00463	0.10	499553	3744938	0.04	0.4413
500553	3744938	0.01067	0.31	0.00492	0.11	500553	3744938	0.04	0.4554
501553	3744938	0.00768	0.22	0.00347	0.08	501553	3744938	0.03	0.3311
502553	3744938	0.00585	0.17	0.00398	0.09	502553	3744938	0.04	0.2974
503553	3744938	0.00659	0.19	0.00274	0.06	503553	3744938	0.04	0.2926
504553	3744938	0.00457	0.13	0.00301	0.07	504553	3744938	0.04	0.2407

505553	3744938	0.00457	0.13	0.00221	0.05	505553	3744938	0.04	0.2240
461553	3745938	0.00292	0.08	0.00133	0.03	461553	3745938	0.02	0.1324
462553	3745938	0.00317	0.09	0.00144	0.03	462553	3745938	0.02	0.1446
463553	3745938	0.00316	0.09	0.00144	0.03	463553	3745938	0.02	0.1463
464553	3745938	0.00295	0.08	0.00134	0.03	464553	3745938	0.03	0.1396
465553	3745938	0.00262	0.08	0.00119	0.03	465553	3745938	0.03	0.1285
466553	3745938	0.00268	0.08	0.00122	0.03	466553	3745938	0.03	0.1333
467553	3745938	0.00287	0.08	0.00127	0.03	467553	3745938	0.03	0.1420
468553	3745938	0.00315	0.09	0.00138	0.03	468553	3745938	0.03	0.1552
469553	3745938	0.00354	0.10	0.00158	0.03	469553	3745938	0.04	0.1780
470553	3745938	0.00492	0.14	0.00204	0.04	470553	3745938	0.04	0.2302
471553	3745938	0.00531	0.15	0.0023	0.05	471553	3745938	0.04	0.2416
472553	3745938	0.00766	0.22	0.00315	0.07	472553	3745938	0.04	0.3310
473553	3745938	0.00996	0.29	0.0043	0.09	473553	3745938	0.05	0.4278
474553	3745938	0.01006	0.29	0.00457	0.10	474553	3745938	0.04	0.4347
475553	3745938	0.00707	0.20	0.00326	0.07	475553	3745938	0.03	0.3097
476553	3745938	0.00757	0.22	0.00335	0.07	476553	3745938	0.04	0.3284
477553	3745938	0.00699	0.20	0.00318	0.07	477553	3745938	0.04	0.3090
478553	3745938	0.00945	0.27	0.00407	0.09	478553	3745938	0.04	0.4027
479553	3745938	0.00711	0.20	0.0036	0.08	479553	3745938	0.05	0.3304
480553	3745938	0.01092	0.31	0.00339	0.07	480553	3745938	0.05	0.4360
481553	3745938	0.02052	0.59	0.00823	0.18	481553	3745938	0.06	0.8352
482553	3745938	0.01746	0.50	0.00743	0.16	482553	3745938	0.07	0.7375
483553	3745938	0.01494	0.43	0.00786	0.17	483553	3745938	0.07	0.6762
484553	3745938	0.0158	0.45	0.00816	0.18	484553	3745938	0.08	0.7151
485553	3745938	0.0268	0.77	0.00946	0.21	485553	3745938	0.13	1.1045
486553	3745938	0.01179	0.34	0.00946	0.21	486553	3745938	0.09	0.6404
487553	3745938	0.01552	0.45	0.00632	0.14	487553	3745938	0.07	0.6594
488553	3745938	0.02036	0.59	0.00573	0.13	488553	3745938	0.08	0.7959
489553	3745938	0.01974	0.57	0.01046	0.23	489553	3745938	0.09	0.8855
490553	3745938	0.01658	0.48	0.00798	0.18	490553	3745938	0.09	0.7402
491553	3745938	0.0158	0.45	0.00848	0.19	491553	3745938	0.09	0.7343
492553	3745938	0.01371	0.39	0.00706	0.16	492553	3745938	0.08	0.6324
493553	3745938	0.0127	0.37	0.00647	0.14	493553	3745938	0.07	0.5727
494553	3745938	0.01095	0.31	0.00538	0.12	494553	3745938	0.06	0.4975
495553	3745938	0.00885	0.25	0.00479	0.11	495553	3745938	0.06	0.4212
496553	3745938	0.01107	0.32	0.0041	0.09	496553	3745938	0.06	0.4650
497553	3745938	0.01194	0.34	0.00529	0.12	497553	3745938	0.05	0.5110
498553	3745938	0.01239	0.36	0.00557	0.12	498553	3745938	0.05	0.5269
499553	3745938	0.01435	0.41	0.00643	0.14	499553	3745938	0.06	0.6119
500553	3745938	0.01017	0.29	0.00677	0.15	500553	3745938	0.07	0.5106
501553	3745938	0.01024	0.29	0.00468	0.10	501553	3745938	0.07	0.4722
502553	3745938	0.00775	0.22	0.00554	0.12	502553	3745938	0.08	0.4294
503553	3745938	0.006	0.17	0.00347	0.08	503553	3745938	0.08	0.3262
504553	3745938	0.00585	0.17	0.00241	0.05	504553	3745938	0.05	0.2741
505553	3745938	0.00584	0.17	0.00265	0.06	505553	3745938	0.04	0.2664
461553	3746938	0.00196	0.06	0.0009	0.02	461553	3746938	0.02	0.0919
462553	3746938	0.00243	0.07	0.00112	0.02	462553	3746938	0.02	0.1124
463553	3746938	0.00281	0.08	0.00128	0.03	463553	3746938	0.02	0.1289
464553	3746938	0.00301	0.09	0.00137	0.03	464553	3746938	0.02	0.1380
465553	3746938	0.00338	0.10	0.00153	0.03	465553	3746938	0.02	0.1553
466553	3746938	0.00361	0.10	0.00164	0.04	466553	3746938	0.03	0.1677
467553	3746938	0.00354	0.10	0.0016	0.04	467553	3746938	0.03	0.1675
468553	3746938	0.00324	0.09	0.00147	0.03	468553	3746938	0.03	0.1587
469553	3746938	0.00318	0.09	0.00144	0.03	469553	3746938	0.04	0.1590
470553	3746938	0.00446	0.13	0.00195	0.04	470553	3746938	0.05	0.2244
471553	3746938	0.00445	0.13	0.00196	0.04	471553	3746938	0.05	0.2194
472553	3746938	0.00481	0.14	0.002	0.04	472553	3746938	0.05	0.2299
473553	3746938	0.00646	0.19	0.00299	0.07	473553	3746938	0.06	0.3082
474553	3746938	0.00945	0.27	0.00386	0.08	474553	3746938	0.05	0.4093
475553	3746938	0.00899	0.26	0.00388	0.09	475553	3746938	0.04	0.3871
476553	3746938	0.00915	0.26	0.00412	0.09	476553	3746938	0.04	0.3950
477553	3746938	0.0093	0.27	0.00396	0.09	477553	3746938	0.04	0.3976
478553	3746938	0.00905	0.26	0.00415	0.09	478553	3746938	0.05	0.3966
479553	3746938	0.01147	0.33	0.00462	0.10	479553	3746938	0.05	0.4800
480553	3746938	0.009	0.26	0.00465	0.10	480553	3746938	0.06	0.4169
481553	3746938	0.01756	0.51	0.00434	0.10	481553	3746938	0.07	0.6669
482553	3746938	0.02263	0.65	0.01134	0.25	482553	3746938	0.08	0.9809
483553	3746938	0.022	0.63	0.00957	0.21	483553	3746938	0.09	0.9299
484553	3746938	0.02181	0.63	0.00835	0.18	484553	3746938	0.09	0.9050
485553	3746938	0.0247	0.71	0.00952	0.21	485553	3746938	0.09	1.0102
486553	3746938	0.02223	0.64	0.01472	0.32	486553	3746938	0.12	1.0836
487553	3746938	0.01828	0.53	0.00866	0.19	487553	3746938	0.09	0.8065
488553	3746938	0.02858	0.82	0.00918	0.20	488553	3746938	0.10	1.1235
489553	3746938	0.01947	0.56	0.01312	0.29	489553	3746938	0.11	0.9566
490553	3746938	0.0216	0.62	0.00914	0.20	490553	3746938	0.11	0.9289
491553	3746938	0.01679	0.48	0.00905	0.20	491553	3746938	0.10	0.7836
492553	3746938	0.0154	0.44	0.008	0.18	492553	3746938	0.08	0.7011
493553	3746938	0.01244	0.36	0.00677	0.15	493553	3746938	0.07	0.5815
494553	3746938	0.01176	0.34	0.00522	0.11	494553	3746938	0.07	0.5242
495553	3746938	0.014	0.40	0.00566	0.12	495553	3746938	0.07	0.5923
496553	3746938	0.01488	0.43	0.0066	0.15	496553	3746938	0.06	0.6325
497553	3746938	0.01311	0.38	0.00697	0.15	497553	3746938	0.05	0.5851
498553	3746938	0.01305	0.38	0.00827	0.18	498553	3746938	0.06	0.6217
499553	3746938	0.00886	0.25	0.00462	0.10	499553	3746938	0.06	0.4167
500553	3746938	0.0062	0.18	0.00446	0.10	500553	3746938	0.06	0.3377
501553	3746938	0.00766	0.22	0.00352	0.08	501553	3746938	0.08	0.3745
502553	3746938	0.00744	0.21	0.00339	0.07	502553	3746938	0.06	0.3535
503553	3746938	0.00648	0.19	0.004	0.09	503553	3746938	0.06	0.3323
504553	3746938	0.00546	0.16	0.00332	0.07	504553	3746938	0.07	0.3040
505553	3746938	0.00524	0.15	0.0026	0.06	505553	3746938	0.08	0.2840
461553	3747938	0.00198	0.06	0.00087	0.02	461553	3747938	0.02	0.0950
462553	3747938	0.00201	0.06	0.00091	0.02	462553	3747938	0.02	0.0970
463553	3747938	0.00192	0.06	0.00086	0.02	463553	3747938	0.02	0.0921
464553	3747938	0.00192	0.06	0.00087	0.02	464553	3747938	0.02	0.0922
465553	3747938	0.00221	0.06	0.00102	0.02	465553	3747938	0.02	0.1054

466553	3747938	0.00324	0.09	0.00142	0.03	466553	3747938	0.02	0.1440
467553	3747938	0.00358	0.10	0.00159	0.03	467553	3747938	0.02	0.1606
468553	3747938	0.00453	0.13	0.00202	0.04	468553	3747938	0.03	0.2066
469553	3747938	0.00479	0.14	0.00214	0.05	469553	3747938	0.03	0.2161
470553	3747938	0.00509	0.15	0.00226	0.05	470553	3747938	0.04	0.2350
471553	3747938	0.00511	0.15	0.00224	0.05	471553	3747938	0.05	0.2444
472553	3747938	0.00501	0.14	0.00238	0.05	472553	3747938	0.06	0.2518
473553	3747938	0.00552	0.16	0.00249	0.05	473553	3747938	0.06	0.2722
474553	3747938	0.00572	0.16	0.0025	0.05	474553	3747938	0.04	0.2643
475553	3747938	0.00669	0.19	0.00276	0.06	475553	3747938	0.05	0.3014
476553	3747938	0.00936	0.27	0.00387	0.09	476553	3747938	0.05	0.4052
477553	3747938	0.01143	0.33	0.00489	0.11	477553	3747938	0.05	0.4872
478553	3747938	0.01142	0.33	0.00517	0.11	478553	3747938	0.05	0.4934
479553	3747938	0.01253	0.36	0.00544	0.12	479553	3747938	0.06	0.5350
480553	3747938	0.01419	0.41	0.00521	0.11	480553	3747938	0.06	0.5819
481553	3747938	0.01037	0.30	0.00474	0.10	481553	3747938	0.09	0.4921
482553	3747938	0.0232	0.67	0.00533	0.12	482553	3747938	0.09	0.8719
483553	3747938	0.03569	1.03	0.01783	0.39	483553	3747938	0.11	1.5292
484553	3747938	0.03021	0.87	0.0147	0.32	484553	3747938	0.11	1.3036
485553	3747938	0.02872	0.83	0.01199	0.26	485553	3747938	0.11	1.1995
486553	3747938	0.02474	0.71	0.01749	0.38	486553	3747938	0.12	1.2144
487553	3747938	0.02037	0.59	0.013	0.29	487553	3747938	0.16	1.0316
488553	3747938	0.034	0.98	0.01559	0.34	488553	3747938	0.12	1.4400
489553	3747938	0.02831	0.81	0.01241	0.27	489553	3747938	0.12	1.2069
490553	3747938	0.0213	0.61	0.01291	0.28	490553	3747938	0.13	1.0216
491553	3747938	0.01952	0.56	0.01038	0.23	491553	3747938	0.11	0.8947
492553	3747938	0.0142	0.41	0.00867	0.19	492553	3747938	0.09	0.6883
493553	3747938	0.01706	0.49	0.00642	0.14	493553	3747938	0.08	0.7166
494553	3747938	0.01888	0.54	0.00806	0.18	494553	3747938	0.08	0.7971
495553	3747938	0.01658	0.48	0.00866	0.19	495553	3747938	0.07	0.7371
496553	3747938	0.0171	0.49	0.0105	0.23	496553	3747938	0.08	0.8027
497553	3747938	0.01093	0.31	0.00678	0.15	497553	3747938	0.08	0.5455
498553	3747938	0.01196	0.34	0.00719	0.16	498553	3747938	0.11	0.6115
499553	3747938	0.00995	0.29	0.00403	0.09	499553	3747938	0.09	0.4632
500553	3747938	0.00802	0.23	0.00496	0.11	500553	3747938	0.08	0.4218
501553	3747938	0.00572	0.16	0.00367	0.08	501553	3747938	0.06	0.3042
502553	3747938	0.00476	0.14	0.0026	0.06	502553	3747938	0.07	0.2592
503553	3747938	0.00515	0.15	0.00258	0.06	503553	3747938	0.07	0.2781
504553	3747938	0.00518	0.15	0.00242	0.05	504553	3747938	0.05	0.2552
505553	3747938	0.00506	0.15	0.00265	0.06	505553	3747938	0.05	0.2535
461553	3748938	0.00275	0.08	0.0012	0.03	461553	3748938	0.02	0.1258
462553	3748938	0.00249	0.07	0.00107	0.02	462553	3748938	0.02	0.1151
463553	3748938	0.00238	0.07	0.00107	0.02	463553	3748938	0.02	0.1130
464553	3748938	0.00251	0.07	0.00112	0.02	464553	3748938	0.02	0.1190
465553	3748938	0.00256	0.07	0.00113	0.02	465553	3748938	0.02	0.1214
466553	3748938	0.00252	0.07	0.00111	0.02	466553	3748938	0.02	0.1200
467553	3748938	0.00253	0.07	0.00113	0.02	467553	3748938	0.02	0.1212
468553	3748938	0.00365	0.10	0.00166	0.04	468553	3748938	0.03	0.1679
469553	3748938	0.0038	0.11	0.0017	0.04	469553	3748938	0.03	0.1718
470553	3748938	0.00446	0.13	0.00194	0.04	470553	3748938	0.03	0.1994
471553	3748938	0.00461	0.13	0.00214	0.05	471553	3748938	0.04	0.2176
472553	3748938	0.00602	0.17	0.00283	0.06	472553	3748938	0.04	0.2765
473553	3748938	0.00546	0.16	0.00251	0.06	473553	3748938	0.05	0.2595
474553	3748938	0.00487	0.14	0.00221	0.05	474553	3748938	0.05	0.2406
475553	3748938	0.00522	0.15	0.00221	0.05	475553	3748938	0.05	0.2535
476553	3748938	0.00697	0.20	0.00294	0.06	476553	3748938	0.06	0.3201
477553	3748938	0.00844	0.24	0.00359	0.08	477553	3748938	0.06	0.3816
478553	3748938	0.01244	0.36	0.00502	0.11	478553	3748938	0.06	0.5314
479553	3748938	0.01569	0.45	0.00663	0.15	479553	3748938	0.06	0.6598
480553	3748938	0.01742	0.50	0.00707	0.16	480553	3748938	0.07	0.7264
481553	3748938	0.02382	0.69	0.00797	0.18	481553	3748938	0.10	0.9615
482553	3748938	0.01457	0.42	0.00699	0.15	482553	3748938	0.09	0.6583
483553	3748938	0.05837	1.68	0.00966	0.21	483553	3748938	0.17	2.0640
484553	3748938	0.0471	1.35	0.02295	0.50	484553	3748938	0.14	2.0026
485553	3748938	0.04474	1.29	0.02239	0.49	485553	3748938	0.15	1.9241
486553	3748938	0.03325	0.96	0.02648	0.58	486553	3748938	0.15	1.6869
487553	3748938	0.05021	1.44	0.01982	0.44	487553	3748938	0.17	2.0455
488553	3748938	0.03614	1.04	0.02435	0.54	488553	3748938	0.15	1.7219
489553	3748938	0.02802	0.81	0.01815	0.40	489553	3748938	0.15	1.3564
490553	3748938	0.02574	0.74	0.01409	0.31	490553	3748938	0.14	1.1864
491553	3748938	0.01962	0.56	0.01151	0.25	491553	3748938	0.11	0.9268
492553	3748938	0.02571	0.74	0.00955	0.21	492553	3748938	0.11	1.0556
493553	3748938	0.02295	0.66	0.01175	0.26	493553	3748938	0.09	1.0121
494553	3748938	0.01621	0.47	0.01021	0.22	494553	3748938	0.09	0.7776
495553	3748938	0.01462	0.42	0.01028	0.23	495553	3748938	0.10	0.7479
496553	3748938	0.01155	0.33	0.005	0.11	496553	3748938	0.09	0.5276
497553	3748938	0.01191	0.34	0.0072	0.16	497553	3748938	0.11	0.6157
498553	3748938	0.00903	0.26	0.0068	0.15	498553	3748938	0.13	0.5360
499553	3748938	0.0069	0.20	0.0039	0.09	499553	3748938	0.08	0.3682
500553	3748938	0.00673	0.19	0.00309	0.07	500553	3748938	0.08	0.3465
501553	3748938	0.00578	0.17	0.00337	0.07	501553	3748938	0.07	0.3068
502553	3748938	0.00513	0.15	0.00308	0.07	502553	3748938	0.05	0.2681
503553	3748938	0.00516	0.15	0.00263	0.06	503553	3748938	0.05	0.2563
504553	3748938	0.0055	0.16	0.00245	0.05	504553	3748938	0.05	0.2600
505553	3748938	0.00543	0.16	0.00256	0.06	505553	3748938	0.04	0.2532
461553	3749938	0.00293	0.08	0.00136	0.03	461553	3749938	0.02	0.1333
462553	3749938	0.00312	0.09	0.00144	0.03	462553	3749938	0.02	0.1416
463553	3749938	0.00342	0.10	0.00156	0.03	463553	3749938	0.02	0.1547
464553	3749938	0.00371	0.11	0.00167	0.04	464553	3749938	0.02	0.1674
465553	3749938	0.0038	0.11	0.00169	0.04	465553	3749938	0.03	0.1715
466553	3749938	0.00381	0.11	0.00167	0.04	466553	3749938	0.03	0.1722
467553	3749938	0.00385	0.11	0.00166	0.04	467553	3749938	0.03	0.1746
468553	3749938	0.00378	0.11	0.00161	0.04	468553	3749938	0.03	0.1725
469553	3749938	0.0037	0.11	0.00163	0.04	469553	3749938	0.03	0.1724
470553	3749938	0.00448	0.13	0.00199	0.04	470553	3749938	0.04	0.2081
471553	3749938	0.00478	0.14	0.00235	0.05	471553	3749938	0.03	0.2237

472553	3749938	0.00494	0.14	0.0023	0.05	472553	3749938	0.03	0.2265
473553	3749938	0.00338	0.10	0.00153	0.03	473553	3749938	0.04	0.1708
474553	3749938	0.00449	0.13	0.00205	0.05	474553	3749938	0.05	0.2221
475553	3749938	0.00571	0.16	0.00254	0.06	475553	3749938	0.06	0.2763
476553	3749938	0.00668	0.19	0.00293	0.06	476553	3749938	0.06	0.3203
477553	3749938	0.00693	0.20	0.00301	0.07	477553	3749938	0.07	0.3354
478553	3749938	0.0087	0.25	0.00356	0.08	478553	3749938	0.07	0.4003
479553	3749938	0.01218	0.35	0.005	0.11	479553	3749938	0.08	0.5393
480553	3749938	0.01818	0.52	0.00705	0.15	480553	3749938	0.08	0.7608
481553	3749938	0.02473	0.71	0.01017	0.22	481553	3749938	0.09	1.0292
482553	3749938	0.02695	0.78	0.01259	0.28	482553	3749938	0.12	1.1768
483553	3749938	0.03296	0.95	0.01853	0.41	483553	3749938	0.15	1.5101
484553	3749938	0.05012	1.44	0.02282	0.50	484553	3749938	0.20	2.1455
485553	3749938	0.04201	1.21	0.01915	0.42	485553	3749938	0.18	1.8108
486553	3749938	0.03689	1.06	0.02904	0.64	486553	3749938	0.23	1.9288
487553	3749938	0.08152	2.34	0.02929	0.64	487553	3749938	0.21	3.1955
488553	3749938	0.04884	1.40	0.02562	0.56	488553	3749938	0.18	2.1519
489553	3749938	0.03671	1.06	0.0208	0.46	489553	3749938	0.19	1.6983
490553	3749938	0.03653	1.05	0.01564	0.34	490553	3749938	0.14	1.5344
491553	3749938	0.03491	1.00	0.01679	0.37	491553	3749938	0.13	1.5061
492553	3749938	0.02312	0.66	0.01581	0.35	492553	3749938	0.13	1.1396
493553	3749938	0.01958	0.56	0.01016	0.22	493553	3749938	0.12	0.9103
494553	3749938	0.01627	0.47	0.00855	0.19	494553	3749938	0.13	0.7849
495553	3749938	0.01027	0.30	0.00762	0.17	495553	3749938	0.12	0.5780
496553	3749938	0.01045	0.30	0.00497	0.11	496553	3749938	0.13	0.5378
497553	3749938	0.01243	0.36	0.00647	0.14	497553	3749938	0.14	0.6391
498553	3749938	0.00906	0.26	0.00532	0.12	498553	3749938	0.13	0.5028
499553	3749938	0.00757	0.22	0.0039	0.09	499553	3749938	0.07	0.3743
500553	3749938	0.00684	0.20	0.00338	0.07	500553	3749938	0.06	0.3335
501553	3749938	0.00606	0.17	0.00344	0.08	501553	3749938	0.06	0.3059
502553	3749938	0.00511	0.15	0.00288	0.06	502553	3749938	0.05	0.2556
503553	3749938	0.00446	0.13	0.00258	0.06	503553	3749938	0.04	0.2274
504553	3749938	0.005	0.14	0.00228	0.05	504553	3749938	0.04	0.2333
505553	3749938	0.00471	0.14	0.00208	0.05	505553	3749938	0.03	0.2141
461553	3750938	0.00262	0.08	0.0012	0.03	461553	3750938	0.02	0.1187
462553	3750938	0.00275	0.08	0.00125	0.03	462553	3750938	0.02	0.1248
463553	3750938	0.0029	0.08	0.0013	0.03	463553	3750938	0.02	0.1317
464553	3750938	0.00301	0.09	0.00134	0.03	464553	3750938	0.02	0.1371
465553	3750938	0.0031	0.09	0.00137	0.03	465553	3750938	0.02	0.1418
466553	3750938	0.0033	0.09	0.00147	0.03	466553	3750938	0.02	0.1521
467553	3750938	0.00356	0.10	0.00171	0.04	467553	3750938	0.03	0.1678
468553	3750938	0.00399	0.11	0.00189	0.04	468553	3750938	0.03	0.1860
469553	3750938	0.00446	0.13	0.00208	0.05	469553	3750938	0.03	0.2057
470553	3750938	0.00569	0.16	0.00252	0.06	470553	3750938	0.04	0.2553
471553	3750938	0.00585	0.17	0.00282	0.06	471553	3750938	0.04	0.2752
472553	3750938	0.00619	0.18	0.00286	0.06	472553	3750938	0.04	0.2803
473553	3750938	0.00556	0.16	0.00248	0.05	473553	3750938	0.04	0.2521
474553	3750938	0.00561	0.16	0.00241	0.05	474553	3750938	0.04	0.2550
475553	3750938	0.00546	0.16	0.00221	0.05	475553	3750938	0.04	0.2495
476553	3750938	0.00536	0.15	0.00227	0.05	476553	3750938	0.06	0.2596
477553	3750938	0.00547	0.16	0.00234	0.05	477553	3750938	0.07	0.2777
478553	3750938	0.00718	0.21	0.00316	0.07	478553	3750938	0.08	0.3595
479553	3750938	0.01002	0.29	0.00431	0.09	479553	3750938	0.09	0.4773
480553	3750938	0.01192	0.34	0.00501	0.11	480553	3750938	0.10	0.5522
481553	3750938	0.01839	0.53	0.00715	0.16	481553	3750938	0.11	0.7956
482553	3750938	0.03121	0.90	0.01126	0.25	482553	3750938	0.13	1.2704
483553	3750938	0.05275	1.52	0.01838	0.40	483553	3750938	0.14	2.0655
484553	3750938	0.04768	1.37	0.02564	0.56	484553	3750938	0.24	2.1706
485553	3750938	0.07235	2.08	0.03244	0.71	485553	3750938	0.19	2.9830
486553	3750938	0.04635	1.33	0.02992	0.66	486553	3750938	0.27	2.2576
487553	3750938	0.06204	1.78	0.04842	1.06	487553	3750938	0.31	3.1594
488553	3750938	0.06007	1.73	0.03822	0.84	488553	3750938	0.26	2.8283
489553	3750938	0.06389	1.84	0.02393	0.53	489553	3750938	0.20	2.5663
490553	3750938	0.03987	1.15	0.02857	0.63	490553	3750938	0.18	1.9518
491553	3750938	0.0293	0.84	0.01673	0.37	491553	3750938	0.18	1.3932
492553	3750938	0.02288	0.66	0.0132	0.29	492553	3750938	0.19	1.1334
493553	3750938	0.02546	0.73	0.01178	0.26	493553	3750938	0.19	1.1790
494553	3750938	0.02124	0.61	0.01144	0.25	494553	3750938	0.21	1.0721
495553	3750938	0.01588	0.46	0.00763	0.17	495553	3750938	0.18	0.8079
496553	3750938	0.01059	0.30	0.00566	0.12	496553	3750938	0.12	0.5444
497553	3750938	0.00849	0.24	0.00507	0.11	497553	3750938	0.10	0.4530
498553	3750938	0.00737	0.21	0.00414	0.09	498553	3750938	0.08	0.3833
499553	3750938	0.00658	0.19	0.00372	0.08	499553	3750938	0.06	0.3303
500553	3750938	0.00604	0.17	0.00345	0.08	500553	3750938	0.05	0.2992
501553	3750938	0.00535	0.15	0.00313	0.07	501553	3750938	0.04	0.2659
502553	3750938	0.00542	0.16	0.00276	0.06	502553	3750938	0.04	0.2589
503553	3750938	0.00552	0.16	0.00241	0.05	503553	3750938	0.04	0.2506
504553	3750938	0.00624	0.18	0.00243	0.05	504553	3750938	0.04	0.2690
505553	3750938	0.00573	0.16	0.00247	0.05	505553	3750938	0.03	0.2533
461553	3751938	0.00232	0.07	0.00105	0.02	461553	3751938	0.02	0.1062
462553	3751938	0.00241	0.07	0.00109	0.02	462553	3751938	0.02	0.1104
463553	3751938	0.00251	0.07	0.00113	0.02	463553	3751938	0.02	0.1151
464553	3751938	0.00265	0.08	0.00118	0.03	464553	3751938	0.02	0.1214
465553	3751938	0.00282	0.08	0.00125	0.03	465553	3751938	0.02	0.1293
466553	3751938	0.00301	0.09	0.00133	0.03	466553	3751938	0.02	0.1383
467553	3751938	0.0032	0.09	0.00142	0.03	467553	3751938	0.02	0.1477
468553	3751938	0.0034	0.10	0.00156	0.03	468553	3751938	0.03	0.1587
469553	3751938	0.00358	0.10	0.0017	0.04	469553	3751938	0.03	0.1693
470553	3751938	0.00384	0.11	0.0019	0.04	470553	3751938	0.03	0.1851
471553	3751938	0.00507	0.15	0.00252	0.06	471553	3751938	0.04	0.2432
472553	3751938	0.00502	0.14	0.00246	0.05	472553	3751938	0.04	0.2376
473553	3751938	0.0049	0.14	0.00234	0.05	473553	3751938	0.04	0.2338
474553	3751938	0.00553	0.16	0.00255	0.06	474553	3751938	0.05	0.2607
475553	3751938	0.00635	0.18	0.00285	0.06	475553	3751938	0.05	0.2961
476553	3751938	0.00736	0.21	0.00324	0.07	476553	3751938	0.06	0.3398
477553	3751938	0.00857	0.25	0.00369	0.08	477553	3751938	0.06	0.3915

478553	3751938	0.01005	0.29	0.00429	0.09	478553	3751938	0.07	0.4554
479553	3751938	0.01174	0.34	0.00501	0.11	479553	3751938	0.09	0.5356
480553	3751938	0.01382	0.40	0.00561	0.12	480553	3751938	0.11	0.6342
481553	3751938	0.01568	0.45	0.00579	0.13	481553	3751938	0.14	0.7143
482553	3751938	0.02037	0.59	0.00773	0.17	482553	3751938	0.15	0.9056
483553	3751938	0.03531	1.02	0.01229	0.27	483553	3751938	0.18	1.4637
484553	3751938	0.09532	2.74	0.02632	0.58	484553	3751938	0.23	3.5531
485553	3751938	0.16291	4.69	0.06101	1.34	485553	3751938	0.44	6.4652
486553	3751938	0.14779	4.25	0.07417	1.63	486553	3751938	0.37	6.2480
487553	3751938	0.12601	3.62	0.09037	1.99	487553	3751938	0.57	6.1813
488553	3751938	0.09591	2.76	0.07894	1.73	488553	3751938	0.36	4.8500
489553	3751938	0.05909	1.70	0.04054	0.89	489553	3751938	0.29	2.8808
490553	3751938	0.03962	1.14	0.02406	0.53	490553	3751938	0.29	1.9541
491553	3751938	0.02955	0.85	0.01778	0.39	491553	3751938	0.36	1.6009
492553	3751938	0.0242	0.70	0.0128	0.28	492553	3751938	0.31	1.2856
493553	3751938	0.0222	0.64	0.01248	0.27	493553	3751938	0.27	1.1857
494553	3751938	0.0202	0.58	0.0098	0.22	494553	3751938	0.22	1.0169
495553	3751938	0.01711	0.49	0.00804	0.18	495553	3751938	0.16	0.8253
496553	3751938	0.01203	0.35	0.00621	0.14	496553	3751938	0.08	0.5638
497553	3751938	0.01007	0.29	0.00563	0.12	497553	3751938	0.07	0.4802
498553	3751938	0.00855	0.25	0.00553	0.12	498553	3751938	0.06	0.4279
499553	3751938	0.00698	0.20	0.00406	0.09	499553	3751938	0.05	0.3422
500553	3751938	0.00635	0.18	0.0036	0.08	500553	3751938	0.05	0.3089
501553	3751938	0.00617	0.18	0.00316	0.07	501553	3751938	0.04	0.2901
502553	3751938	0.00555	0.16	0.00293	0.06	502553	3751938	0.04	0.2655
503553	3751938	0.0055	0.16	0.00277	0.06	503553	3751938	0.04	0.2607
504553	3751938	0.00531	0.15	0.00272	0.06	504553	3751938	0.04	0.2529
505553	3751938	0.00487	0.14	0.00257	0.06	505553	3751938	0.04	0.2348
461553	3752938	0.0026	0.07	0.00113	0.02	461553	3752938	0.02	0.1156
462553	3752938	0.00271	0.08	0.00118	0.03	462553	3752938	0.02	0.1207
463553	3752938	0.00285	0.08	0.00124	0.03	463553	3752938	0.02	0.1271
464553	3752938	0.00299	0.09	0.0013	0.03	464553	3752938	0.02	0.1336
465553	3752938	0.00319	0.09	0.00138	0.03	465553	3752938	0.02	0.1427
466553	3752938	0.00346	0.10	0.0015	0.03	466553	3752938	0.02	0.1551
467553	3752938	0.00375	0.11	0.00162	0.04	467553	3752938	0.02	0.1684
468553	3752938	0.00403	0.12	0.00174	0.04	468553	3752938	0.03	0.1815
469553	3752938	0.00411	0.12	0.00184	0.04	469553	3752938	0.03	0.1884
470553	3752938	0.00435	0.13	0.00193	0.04	470553	3752938	0.03	0.2004
471553	3752938	0.00457	0.13	0.00205	0.05	471553	3752938	0.04	0.2121
472553	3752938	0.00481	0.14	0.00216	0.05	472553	3752938	0.04	0.2245
473553	3752938	0.00513	0.15	0.0023	0.05	473553	3752938	0.04	0.2407
474553	3752938	0.00559	0.16	0.00251	0.06	474553	3752938	0.05	0.2640
475553	3752938	0.00616	0.18	0.00277	0.06	475553	3752938	0.05	0.2926
476553	3752938	0.00686	0.20	0.00298	0.07	476553	3752938	0.06	0.3252
477553	3752938	0.00775	0.22	0.00337	0.07	477553	3752938	0.07	0.3689
478553	3752938	0.00892	0.26	0.00388	0.09	478553	3752938	0.08	0.4261
479553	3752938	0.01041	0.30	0.00454	0.10	479553	3752938	0.10	0.4973
480553	3752938	0.01251	0.36	0.00549	0.12	480553	3752938	0.12	0.5990
481553	3752938	0.01725	0.50	0.00683	0.15	481553	3752938	0.14	0.7887
482553	3752938	0.02614	0.75	0.00883	0.19	482553	3752938	0.17	1.1185
483553	3752938	0.04318	1.24	0.01279	0.28	483553	3752938	0.22	1.7480
484553	3752938	0.089	2.56	0.02183	0.48	484553	3752938	0.29	3.3290
485553	3752938	0.31252	8.99	0.05009	1.10	485553	3752938	0.53	10.6230
486553	3752938	1.0271	29.54	0.38458	8.45	486553	3752938	0.74	38.7302
487553	3752938	0.17922	5.15	0.21446	4.71	487553	3752938	0.90	10.7716
488553	3752938	0.08025	2.31	0.06563	1.44	488553	3752938	0.75	4.5024
489553	3752938	0.05281	1.52	0.03656	0.80	489553	3752938	0.54	2.8593
490553	3752938	0.03851	1.11	0.02372	0.52	490553	3752938	0.63	2.2611
491553	3752938	0.03885	1.12	0.02216	0.49	491553	3752938	0.51	2.1175
492553	3752938	0.03142	0.90	0.01742	0.38	492553	3752938	0.29	1.5768
493553	3752938	0.02445	0.70	0.01309	0.29	493553	3752938	0.21	1.2004
494553	3752938	0.02006	0.58	0.0104	0.23	494553	3752938	0.14	0.9498
495553	3752938	0.01518	0.44	0.00765	0.17	495553	3752938	0.10	0.7070
496553	3752938	0.01116	0.32	0.00549	0.12	496553	3752938	0.08	0.5189
497553	3752938	0.01007	0.29	0.00486	0.11	497553	3752938	0.07	0.4680
498553	3752938	0.00894	0.26	0.00461	0.10	498553	3752938	0.06	0.4230
499553	3752938	0.00807	0.23	0.00408	0.09	499553	3752938	0.06	0.3800
500553	3752938	0.00729	0.21	0.00363	0.08	500553	3752938	0.05	0.3422
501553	3752938	0.00668	0.19	0.00328	0.07	501553	3752938	0.05	0.3114
502553	3752938	0.00613	0.18	0.00297	0.07	502553	3752938	0.04	0.2830
503553	3752938	0.00625	0.18	0.00273	0.06	503553	3752938	0.04	0.2755
504553	3752938	0.00578	0.17	0.00252	0.06	504553	3752938	0.03	0.2535
505553	3752938	0.00537	0.15	0.00233	0.05	505553	3752938	0.03	0.2356
461553	3753938	0.00215	0.06	0.00107	0.02	461553	3753938	0.02	0.1011
462553	3753938	0.00218	0.06	0.00109	0.02	462553	3753938	0.02	0.1032
463553	3753938	0.00222	0.06	0.00112	0.02	463553	3753938	0.02	0.1059
464553	3753938	0.00225	0.06	0.00115	0.03	464553	3753938	0.02	0.1085
465553	3753938	0.00233	0.07	0.0012	0.03	465553	3753938	0.02	0.1135
466553	3753938	0.00253	0.07	0.00126	0.03	466553	3753938	0.02	0.1223
467553	3753938	0.00274	0.08	0.0013	0.03	467553	3753938	0.02	0.1310
468553	3753938	0.00302	0.09	0.00138	0.03	468553	3753938	0.03	0.1434
469553	3753938	0.00325	0.09	0.00144	0.03	469553	3753938	0.03	0.1539
470553	3753938	0.00353	0.10	0.00154	0.03	470553	3753938	0.03	0.1665
471553	3753938	0.00374	0.11	0.00162	0.04	471553	3753938	0.03	0.1762
472553	3753938	0.00419	0.12	0.00178	0.04	472553	3753938	0.04	0.1965
473553	3753938	0.00481	0.14	0.00198	0.04	473553	3753938	0.04	0.2229
474553	3753938	0.00558	0.16	0.00224	0.05	474553	3753938	0.05	0.2557
475553	3753938	0.00657	0.19	0.00263	0.06	475553	3753938	0.05	0.2992
476553	3753938	0.00781	0.22	0.00311	0.07	476553	3753938	0.06	0.3532
477553	3753938	0.00936	0.27	0.00375	0.08	477553	3753938	0.07	0.4214
478553	3753938	0.01128	0.32	0.00458	0.10	478553	3753938	0.08	0.5072
479553	3753938	0.01347	0.39	0.0057	0.13	479553	3753938	0.10	0.6110
480553	3753938	0.01757	0.51	0.00713	0.16	480553	3753938	0.12	0.7841
481553	3753938	0.02529	0.73	0.0097	0.21	481553	3753938	0.16	1.0957
482553	3753938	0.03088	0.89	0.01465	0.32	482553	3753938	0.21	1.4163
483553	3753938	0.05041	1.45	0.01908	0.42	483553	3753938	0.32	2.1879

484553	3753938	0.06871	1.98	0.0333	0.73	484553	3753938	0.45	3.1582
485553	3753938	0.1295	3.72	0.04917	1.08	485553	3753938	0.82	5.6276
486553	3753938	0.19969	5.74	0.08539	1.88	486553	3753938	1.32	8.9432
487553	3753938	0.10454	3.01	0.08565	1.88	487553	3753938	1.52	6.4119
488553	3753938	0.08119	2.34	0.04976	1.09	488553	3753938	0.76	4.1867
489553	3753938	0.05473	1.57	0.03454	0.76	489553	3753938	1.00	3.3293
490553	3753938	0.02927	0.84	0.01688	0.37	490553	3753938	0.48	1.6902
491553	3753938	0.01904	0.55	0.01018	0.22	491553	3753938	0.27	1.0428
492553	3753938	0.01845	0.53	0.01067	0.23	492553	3753938	0.21	0.9733
493553	3753938	0.01554	0.45	0.00816	0.18	493553	3753938	0.15	0.7809
494553	3753938	0.01355	0.39	0.00617	0.14	494553	3753938	0.15	0.6772
495553	3753938	0.00836	0.24	0.00438	0.10	495553	3753938	0.11	0.4513
496553	3753938	0.0074	0.21	0.00406	0.09	496553	3753938	0.09	0.3885
497553	3753938	0.0068	0.20	0.00402	0.09	497553	3753938	0.07	0.3576
498553	3753938	0.00675	0.19	0.00378	0.08	498553	3753938	0.06	0.3413
499553	3753938	0.00648	0.19	0.00378	0.08	499553	3753938	0.06	0.3264
500553	3753938	0.00602	0.17	0.00324	0.07	500553	3753938	0.05	0.2955
501553	3753938	0.00546	0.16	0.00288	0.06	501553	3753938	0.05	0.2669
502553	3753938	0.00485	0.14	0.00286	0.06	502553	3753938	0.04	0.2453
503553	3753938	0.00495	0.14	0.00277	0.06	503553	3753938	0.04	0.2434
504553	3753938	0.00495	0.14	0.00264	0.06	504553	3753938	0.04	0.2380
505553	3753938	0.00486	0.14	0.00249	0.05	505553	3753938	0.04	0.2301
461553	3754938	0.00224	0.06	0.00096	0.02	461553	3754938	0.02	0.1014
462553	3754938	0.00236	0.07	0.00102	0.02	462553	3754938	0.02	0.1071
463553	3754938	0.00249	0.07	0.00109	0.02	463553	3754938	0.02	0.1133
464553	3754938	0.00262	0.08	0.00116	0.03	464553	3754938	0.02	0.1198
465553	3754938	0.00274	0.08	0.00124	0.03	465553	3754938	0.02	0.1263
466553	3754938	0.00315	0.09	0.00136	0.03	466553	3754938	0.02	0.1429
467553	3754938	0.0035	0.10	0.00143	0.03	467553	3754938	0.02	0.1562
468553	3754938	0.00378	0.11	0.0016	0.04	468553	3754938	0.03	0.1702
469553	3754938	0.00414	0.12	0.0018	0.04	469553	3754938	0.03	0.1874
470553	3754938	0.00445	0.13	0.002	0.04	470553	3754938	0.03	0.2033
471553	3754938	0.00506	0.15	0.00219	0.05	471553	3754938	0.03	0.2279
472553	3754938	0.0057	0.16	0.00235	0.05	472553	3754938	0.04	0.2530
473553	3754938	0.00623	0.18	0.00277	0.06	473553	3754938	0.04	0.2817
474553	3754938	0.0065	0.19	0.00319	0.07	474553	3754938	0.05	0.3039
475553	3754938	0.00706	0.20	0.00365	0.08	475553	3754938	0.05	0.3380
476553	3754938	0.00866	0.25	0.00361	0.08	476553	3754938	0.06	0.3922
477553	3754938	0.01104	0.32	0.00414	0.09	477553	3754938	0.07	0.4830
478553	3754938	0.01262	0.36	0.00556	0.12	478553	3754938	0.09	0.5733
479553	3754938	0.01409	0.41	0.00735	0.16	479553	3754938	0.11	0.6768
480553	3754938	0.02503	0.72	0.00782	0.17	480553	3754938	0.15	1.0454
481553	3754938	0.02568	0.74	0.01449	0.32	481553	3754938	0.18	1.2346
482553	3754938	0.03086	0.89	0.01414	0.31	482553	3754938	0.28	1.4803
483553	3754938	0.02915	0.84	0.01733	0.38	483553	3754938	0.42	1.6365
484553	3754938	0.05492	1.58	0.0155	0.34	484553	3754938	0.64	2.5600
485553	3754938	0.04876	1.40	0.02713	0.60	485553	3754938	1.23	3.2265
486553	3754938	0.06999	2.01	0.03511	0.77	486553	3754938	1.84	4.6297
487553	3754938	0.06094	1.75	0.04907	1.08	487553	3754938	2.08	4.9113
488553	3754938	0.04356	1.25	0.02803	0.62	488553	3754938	1.49	3.3579
489553	3754938	0.03938	1.13	0.0191	0.42	489553	3754938	0.59	2.1468
490553	3754938	0.02493	0.72	0.01511	0.33	490553	3754938	0.30	1.3521
491553	3754938	0.02438	0.70	0.01258	0.28	491553	3754938	0.20	1.1739
492553	3754938	0.01475	0.42	0.00797	0.18	492553	3754938	0.15	0.7453
493553	3754938	0.01191	0.34	0.00618	0.14	493553	3754938	0.14	0.6220
494553	3754938	0.01076	0.31	0.00552	0.12	494553	3754938	0.12	0.5483
495553	3754938	0.0092	0.26	0.00477	0.10	495553	3754938	0.10	0.4645
496553	3754938	0.00788	0.23	0.00427	0.09	496553	3754938	0.08	0.4031
497553	3754938	0.00782	0.22	0.00421	0.09	497553	3754938	0.07	0.3874
498553	3754938	0.00735	0.21	0.00382	0.08	498553	3754938	0.06	0.3549
499553	3754938	0.00687	0.20	0.00386	0.08	499553	3754938	0.05	0.3334
500553	3754938	0.00599	0.17	0.00301	0.07	500553	3754938	0.05	0.2838
501553	3754938	0.00472	0.14	0.00245	0.05	501553	3754938	0.04	0.2300
502553	3754938	0.00422	0.12	0.00234	0.05	502553	3754938	0.04	0.2097
503553	3754938	0.00439	0.13	0.00213	0.05	503553	3754938	0.03	0.2071
504553	3754938	0.00408	0.12	0.00206	0.05	504553	3754938	0.03	0.1947
505553	3754938	0.00394	0.11	0.00188	0.04	505553	3754938	0.03	0.1851
461553	3755938	0.00267	0.08	0.00115	0.03	461553	3755938	0.02	0.1201
462553	3755938	0.00281	0.08	0.00123	0.03	462553	3755938	0.02	0.1269
463553	3755938	0.00292	0.08	0.00131	0.03	463553	3755938	0.02	0.1329
464553	3755938	0.00321	0.09	0.00138	0.03	464553	3755938	0.02	0.1441
465553	3755938	0.00362	0.10	0.00145	0.03	465553	3755938	0.02	0.1589
466553	3755938	0.00408	0.12	0.00167	0.04	466553	3755938	0.03	0.1793
467553	3755938	0.0044	0.13	0.00189	0.04	467553	3755938	0.03	0.1953
468553	3755938	0.00442	0.13	0.0021	0.05	468553	3755938	0.03	0.2032
469553	3755938	0.00424	0.12	0.00215	0.05	469553	3755938	0.03	0.2005
470553	3755938	0.00432	0.12	0.00236	0.05	470553	3755938	0.04	0.2126
471553	3755938	0.00482	0.14	0.00234	0.05	471553	3755938	0.04	0.2311
472553	3755938	0.00524	0.15	0.00225	0.05	472553	3755938	0.04	0.2440
473553	3755938	0.00609	0.18	0.00256	0.06	473553	3755938	0.05	0.2814
474553	3755938	0.00838	0.24	0.00373	0.08	474553	3755938	0.07	0.3883
475553	3755938	0.00869	0.25	0.00434	0.10	475553	3755938	0.07	0.4185
476553	3755938	0.0082	0.24	0.00431	0.09	476553	3755938	0.07	0.4051
477553	3755938	0.01411	0.41	0.00407	0.09	477553	3755938	0.08	0.5800
478553	3755938	0.01751	0.50	0.00746	0.16	478553	3755938	0.10	0.7631
479553	3755938	0.01535	0.44	0.01028	0.23	479553	3755938	0.15	0.8127
480553	3755938	0.0155	0.45	0.00753	0.17	480553	3755938	0.17	0.7850
481553	3755938	0.01648	0.47	0.00852	0.19	481553	3755938	0.18	0.8456
482553	3755938	0.01568	0.45	0.00989	0.22	482553	3755938	0.23	0.8990
483553	3755938	0.03187	0.92	0.01007	0.22	483553	3755938	0.26	1.3943
484553	3755938	0.03184	0.92	0.01665	0.37	484553	3755938	0.33	1.6116
485553	3755938	0.02458	0.71	0.01911	0.42	485553	3755938	0.47	1.5983
486553	3755938	0.03174	0.91	0.01981	0.44	486553	3755938	0.72	2.0732
487553	3755938	0.03051	0.88	0.02544	0.56	487553	3755938	0.68	2.1214
488553	3755938	0.02847	0.82	0.01583	0.35	488553	3755938	0.33	1.4975
489553	3755938	0.02052	0.59	0.01113	0.24	489553	3755938	0.24	1.0777

490553	3755938	0.01964	0.56	0.00803	0.18	490553	3755938	0.17	0.9107
491553	3755938	0.01619	0.47	0.00843	0.19	491553	3755938	0.11	0.7643
492553	3755938	0.01305	0.38	0.00695	0.15	492553	3755938	0.10	0.6243
493553	3755938	0.01249	0.36	0.00694	0.15	493553	3755938	0.08	0.5889
494553	3755938	0.01079	0.31	0.00592	0.13	494553	3755938	0.07	0.5075
495553	3755938	0.00981	0.28	0.00507	0.11	495553	3755938	0.07	0.4613
496553	3755938	0.00665	0.19	0.00334	0.07	496553	3755938	0.06	0.3208
497553	3755938	0.00743	0.21	0.00371	0.08	497553	3755938	0.05	0.3444
498553	3755938	0.00661	0.19	0.00346	0.08	498553	3755938	0.04	0.3102
499553	3755938	0.00617	0.18	0.0034	0.07	499553	3755938	0.04	0.2939
500553	3755938	0.00476	0.14	0.00248	0.05	500553	3755938	0.04	0.2316
501553	3755938	0.00499	0.14	0.00277	0.06	501553	3755938	0.04	0.2414
502553	3755938	0.00529	0.15	0.00271	0.06	502553	3755938	0.03	0.2447
503553	3755938	0.00547	0.16	0.00266	0.06	503553	3755938	0.03	0.2452
504553	3755938	0.00493	0.14	0.00247	0.05	504553	3755938	0.03	0.2229
505553	3755938	0.00492	0.14	0.00235	0.05	505553	3755938	0.02	0.2177
461553	3756938	0.0033	0.09	0.00144	0.03	461553	3756938	0.02	0.1463
462553	3756938	0.00339	0.10	0.00154	0.03	462553	3756938	0.02	0.1522
463553	3756938	0.00339	0.10	0.00161	0.04	463553	3756938	0.02	0.1549
464553	3756938	0.0033	0.09	0.00164	0.04	464553	3756938	0.02	0.1544
465553	3756938	0.00309	0.09	0.00163	0.04	465553	3756938	0.03	0.1498
466553	3756938	0.00307	0.09	0.00157	0.03	466553	3756938	0.03	0.1500
467553	3756938	0.00328	0.09	0.00147	0.03	467553	3756938	0.03	0.1557
468553	3756938	0.00356	0.10	0.00148	0.03	468553	3756938	0.03	0.1655
469553	3756938	0.00401	0.12	0.00173	0.04	469553	3756938	0.03	0.1868
470553	3756938	0.00452	0.13	0.00204	0.04	470553	3756938	0.04	0.2126
471553	3756938	0.0049	0.14	0.00233	0.05	471553	3756938	0.04	0.2350
472553	3756938	0.00502	0.14	0.00244	0.05	472553	3756938	0.05	0.2445
473553	3756938	0.00542	0.16	0.003	0.07	473553	3756938	0.05	0.2758
474553	3756938	0.00587	0.17	0.00235	0.05	474553	3756938	0.05	0.2745
475553	3756938	0.01265	0.36	0.00425	0.09	475553	3756938	0.09	0.5450
476553	3756938	0.01229	0.35	0.00725	0.16	476553	3756938	0.07	0.5787
477553	3756938	0.01074	0.31	0.00631	0.14	477553	3756938	0.07	0.5170
478553	3756938	0.01086	0.31	0.00525	0.12	478553	3756938	0.11	0.5409
479553	3756938	0.01333	0.38	0.00576	0.13	479553	3756938	0.13	0.6371
480553	3756938	0.01225	0.35	0.00685	0.15	480553	3756938	0.12	0.6186
481553	3756938	0.00941	0.27	0.00624	0.14	481553	3756938	0.12	0.5291
482553	3756938	0.01818	0.52	0.00637	0.14	482553	3756938	0.13	0.7947
483553	3756938	0.01485	0.43	0.01015	0.22	483553	3756938	0.22	0.8735
484553	3756938	0.02138	0.61	0.01173	0.26	484553	3756938	0.20	1.0718
485553	3756938	0.01865	0.54	0.00909	0.20	485553	3756938	0.22	0.9579
486553	3756938	0.0199	0.57	0.01112	0.24	486553	3756938	0.29	1.1030
487553	3756938	0.02587	0.74	0.01461	0.32	487553	3756938	0.34	1.4036
488553	3756938	0.01786	0.51	0.01285	0.28	488553	3756938	0.20	0.9952
489553	3756938	0.01646	0.47	0.00814	0.18	489553	3756938	0.14	0.7963
490553	3756938	0.01413	0.41	0.00677	0.15	490553	3756938	0.12	0.6778
491553	3756938	0.01189	0.34	0.00623	0.14	491553	3756938	0.11	0.5884
492553	3756938	0.01266	0.36	0.00722	0.16	492553	3756938	0.09	0.6098
493553	3756938	0.01385	0.40	0.00666	0.15	493553	3756938	0.08	0.6290
494553	3756938	0.01	0.29	0.00486	0.11	494553	3756938	0.07	0.4694
495553	3756938	0.00983	0.28	0.00524	0.12	495553	3756938	0.06	0.4563
496553	3756938	0.00973	0.28	0.00495	0.11	496553	3756938	0.05	0.4412
497553	3756938	0.00643	0.18	0.00306	0.07	497553	3756938	0.05	0.3024
498553	3756938	0.00671	0.19	0.00342	0.08	498553	3756938	0.04	0.3080
499553	3756938	0.00451	0.13	0.00237	0.05	499553	3756938	0.04	0.2209
500553	3756938	0.00529	0.15	0.00267	0.06	500553	3756938	0.04	0.2500
501553	3756938	0.00574	0.17	0.00273	0.06	501553	3756938	0.04	0.2619
502553	3756938	0.00565	0.16	0.00277	0.06	502553	3756938	0.03	0.2560
503553	3756938	0.00484	0.14	0.00234	0.05	503553	3756938	0.03	0.2188
504553	3756938	0.00398	0.11	0.00187	0.04	504553	3756938	0.03	0.1811
505553	3756938	0.00344	0.10	0.00175	0.04	505553	3756938	0.02	0.1619
461553	3757938	0.0025	0.07	0.00124	0.03	461553	3757938	0.02	0.1202
462553	3757938	0.00247	0.07	0.00119	0.03	462553	3757938	0.02	0.1193
463553	3757938	0.00266	0.08	0.00119	0.03	463553	3757938	0.02	0.1260
464553	3757938	0.00298	0.09	0.00125	0.03	464553	3757938	0.03	0.1382
465553	3757938	0.00317	0.09	0.00137	0.03	465553	3757938	0.03	0.1473
466553	3757938	0.00332	0.10	0.00148	0.03	466553	3757938	0.03	0.1553
467553	3757938	0.00341	0.10	0.00159	0.03	467553	3757938	0.03	0.1620
468553	3757938	0.00357	0.10	0.00167	0.04	468553	3757938	0.03	0.1703
469553	3757938	0.00363	0.10	0.00177	0.04	469553	3757938	0.03	0.1764
470553	3757938	0.00414	0.12	0.00188	0.04	470553	3757938	0.04	0.1967
471553	3757938	0.00564	0.16	0.00199	0.04	471553	3757938	0.04	0.2452
472553	3757938	0.00861	0.25	0.00296	0.07	472553	3757938	0.04	0.3528
473553	3757938	0.00626	0.18	0.00287	0.06	473553	3757938	0.04	0.2831
474553	3757938	0.00481	0.14	0.00348	0.08	474553	3757938	0.04	0.2538
475553	3757938	0.00742	0.21	0.00375	0.08	475553	3757938	0.08	0.3768
476553	3757938	0.00836	0.24	0.00404	0.09	476553	3757938	0.06	0.3928
477553	3757938	0.01158	0.33	0.00461	0.10	477553	3757938	0.08	0.5146
478553	3757938	0.00898	0.26	0.00599	0.13	478553	3757938	0.09	0.4787
479553	3757938	0.00827	0.24	0.00419	0.09	479553	3757938	0.08	0.4090
480553	3757938	0.00794	0.23	0.00393	0.09	480553	3757938	0.07	0.3816
481553	3757938	0.01309	0.38	0.00519	0.11	481553	3757938	0.10	0.5904
482553	3757938	0.01063	0.31	0.00681	0.15	482553	3757938	0.12	0.5744
483553	3757938	0.01333	0.38	0.00458	0.10	483553	3757938	0.10	0.5887
484553	3757938	0.01099	0.32	0.00667	0.15	484553	3757938	0.13	0.5926
485553	3757938	0.01368	0.39	0.00776	0.17	485553	3757938	0.15	0.7135
486553	3757938	0.01501	0.43	0.00701	0.15	486553	3757938	0.24	0.8238
487553	3757938	0.01853	0.53	0.00958	0.21	487553	3757938	0.20	0.9415
488553	3757938	0.01973	0.57	0.00815	0.18	488553	3757938	0.12	0.8645
489553	3757938	0.01121	0.32	0.00638	0.14	489553	3757938	0.12	0.5843
490553	3757938	0.01266	0.36	0.00798	0.18	490553	3757938	0.11	0.6468
491553	3757938	0.01114	0.32	0.00461	0.10	491553	3757938	0.09	0.5146
492553	3757938	0.00754	0.22	0.00575	0.13	492553	3757938	0.08	0.4232
493553	3757938	0.0123	0.35	0.0057	0.13	493553	3757938	0.09	0.5708
494553	3757938	0.00883	0.25	0.00398	0.09	494553	3757938	0.07	0.4066
495553	3757938	0.00991	0.29	0.00521	0.11	495553	3757938	0.06	0.4564

496553	3757938	0.00692	0.20	0.00339	0.07	496553	3757938	0.05	0.3268
497553	3757938	0.00802	0.23	0.00405	0.09	497553	3757938	0.04	0.3623
498553	3757938	0.00794	0.23	0.00377	0.08	498553	3757938	0.04	0.3469
499553	3757938	0.00608	0.17	0.00336	0.07	499553	3757938	0.04	0.2872
500553	3757938	0.00514	0.15	0.00258	0.06	500553	3757938	0.04	0.2403
501553	3757938	0.00546	0.16	0.00269	0.06	501553	3757938	0.03	0.2510
502553	3757938	0.00379	0.11	0.0018	0.04	502553	3757938	0.03	0.1797
503553	3757938	0.00423	0.12	0.002	0.04	503553	3757938	0.03	0.1916
504553	3757938	0.0048	0.14	0.00228	0.05	504553	3757938	0.03	0.2135
505553	3757938	0.0037	0.11	0.00181	0.04	505553	3757938	0.03	0.1721
461553	3758938	0.00263	0.08	0.00115	0.03	461553	3758938	0.02	0.1222
462553	3758938	0.00275	0.08	0.00123	0.03	462553	3758938	0.02	0.1284
463553	3758938	0.00284	0.08	0.00131	0.03	463553	3758938	0.02	0.1338
464553	3758938	0.00294	0.08	0.00135	0.03	464553	3758938	0.02	0.1385
465553	3758938	0.00307	0.09	0.00139	0.03	465553	3758938	0.03	0.1440
466553	3758938	0.00303	0.09	0.00146	0.03	466553	3758938	0.03	0.1453
467553	3758938	0.00318	0.09	0.00146	0.03	467553	3758938	0.03	0.1506
468553	3758938	0.00414	0.12	0.00149	0.03	468553	3758938	0.03	0.1799
469553	3758938	0.00507	0.15	0.00199	0.04	469553	3758938	0.03	0.2188
470553	3758938	0.00578	0.17	0.00252	0.06	470553	3758938	0.03	0.2526
471553	3758938	0.00605	0.17	0.00294	0.06	471553	3758938	0.03	0.2720
472553	3758938	0.00431	0.12	0.00265	0.06	472553	3758938	0.05	0.2287
473553	3758938	0.00397	0.11	0.00212	0.05	473553	3758938	0.04	0.2046
474553	3758938	0.00599	0.17	0.0028	0.06	474553	3758938	0.06	0.2981
475553	3758938	0.00842	0.24	0.00379	0.08	475553	3758938	0.07	0.3926
476553	3758938	0.00989	0.28	0.00468	0.10	476553	3758938	0.07	0.4585
477553	3758938	0.00883	0.25	0.00473	0.10	477553	3758938	0.07	0.4317
478553	3758938	0.00828	0.24	0.00468	0.10	478553	3758938	0.07	0.4124
479553	3758938	0.00691	0.20	0.00296	0.07	479553	3758938	0.07	0.3289
480553	3758938	0.01002	0.29	0.00428	0.09	480553	3758938	0.07	0.4555
481553	3758938	0.00916	0.26	0.00481	0.11	481553	3758938	0.07	0.4402
482553	3758938	0.00892	0.26	0.0046	0.10	482553	3758938	0.07	0.4270
483553	3758938	0.01	0.29	0.0052	0.11	483553	3758938	0.07	0.4699
484553	3758938	0.01049	0.30	0.00615	0.14	484553	3758938	0.11	0.5439
485553	3758938	0.01306	0.38	0.00568	0.12	485553	3758938	0.16	0.6614
486553	3758938	0.0122	0.35	0.00587	0.13	486553	3758938	0.15	0.6292
487553	3758938	0.02155	0.62	0.00578	0.13	487553	3758938	0.17	0.9120
488553	3758938	0.01178	0.34	0.00683	0.15	488553	3758938	0.11	0.5964
489553	3758938	0.01244	0.36	0.00784	0.17	489553	3758938	0.11	0.6394
490553	3758938	0.01305	0.38	0.00585	0.13	490553	3758938	0.11	0.6126
491553	3758938	0.01135	0.33	0.00446	0.10	491553	3758938	0.11	0.5340
492553	3758938	0.00943	0.27	0.00514	0.11	492553	3758938	0.10	0.4798
493553	3758938	0.00719	0.21	0.00531	0.12	493553	3758938	0.08	0.3998
494553	3758938	0.00954	0.27	0.00388	0.09	494553	3758938	0.07	0.4297
495553	3758938	0.00753	0.22	0.00426	0.09	495553	3758938	0.06	0.3688
496553	3758938	0.00867	0.25	0.00357	0.08	496553	3758938	0.05	0.3769
497553	3758938	0.00715	0.21	0.00394	0.09	497553	3758938	0.04	0.3332
498553	3758938	0.00506	0.15	0.00256	0.06	498553	3758938	0.04	0.2426
499553	3758938	0.007	0.20	0.00345	0.08	499553	3758938	0.04	0.3166
500553	3758938	0.00624	0.18	0.00275	0.06	500553	3758938	0.03	0.2711
501553	3758938	0.00623	0.18	0.00308	0.07	501553	3758938	0.03	0.2739
502553	3758938	0.00372	0.11	0.00194	0.04	502553	3758938	0.03	0.1757
503553	3758938	0.00445	0.13	0.00211	0.05	503553	3758938	0.03	0.2026
504553	3758938	0.00416	0.12	0.00204	0.04	504553	3758938	0.03	0.1914
505553	3758938	0.00277	0.08	0.00138	0.03	505553	3758938	0.02	0.1349
461553	3759938	0.00259	0.07	0.00118	0.03	461553	3759938	0.02	0.1208
462553	3759938	0.00264	0.08	0.00121	0.03	462553	3759938	0.02	0.1233
463553	3759938	0.0027	0.08	0.00131	0.03	463553	3759938	0.02	0.1288
464553	3759938	0.00267	0.08	0.00124	0.03	464553	3759938	0.02	0.1260
465553	3759938	0.00345	0.10	0.00124	0.03	465553	3759938	0.02	0.1490
466553	3759938	0.00421	0.12	0.00161	0.04	466553	3759938	0.02	0.1796
467553	3759938	0.0048	0.14	0.00198	0.04	467553	3759938	0.02	0.2053
468553	3759938	0.00494	0.14	0.00228	0.05	468553	3759938	0.02	0.2168
469553	3759938	0.0048	0.14	0.00244	0.05	469553	3759938	0.03	0.2174
470553	3759938	0.00424	0.12	0.00237	0.05	470553	3759938	0.03	0.2012
471553	3759938	0.00492	0.14	0.00207	0.05	471553	3759938	0.03	0.2159
472553	3759938	0.00448	0.13	0.00205	0.05	472553	3759938	0.04	0.2155
473553	3759938	0.00427	0.12	0.0019	0.04	473553	3759938	0.03	0.1967
474553	3759938	0.00781	0.22	0.0031	0.07	474553	3759938	0.06	0.3500
475553	3759938	0.0067	0.19	0.00469	0.10	475553	3759938	0.05	0.3478
476553	3759938	0.00759	0.22	0.0037	0.08	476553	3759938	0.06	0.3605
477553	3759938	0.00448	0.13	0.00273	0.06	477553	3759938	0.05	0.2367
478553	3759938	0.0066	0.19	0.00288	0.06	478553	3759938	0.08	0.3327
479553	3759938	0.008	0.23	0.00358	0.08	479553	3759938	0.06	0.3644
480553	3759938	0.00739	0.21	0.00377	0.08	480553	3759938	0.05	0.3492
481553	3759938	0.00497	0.14	0.00413	0.09	481553	3759938	0.05	0.2879
482553	3759938	0.00705	0.20	0.00358	0.08	482553	3759938	0.05	0.3349
483553	3759938	0.00758	0.22	0.00345	0.08	483553	3759938	0.07	0.3652
484553	3759938	0.01079	0.31	0.00455	0.10	484553	3759938	0.09	0.5009
485553	3759938	0.01316	0.38	0.00656	0.14	485553	3759938	0.14	0.6634
486553	3759938	0.01466	0.42	0.00749	0.16	486553	3759938	0.17	0.7556
487553	3759938	0.02	0.58	0.00637	0.14	487553	3759938	0.16	0.8724
488553	3759938	0.0165	0.47	0.01061	0.23	488553	3759938	0.15	0.8580
489553	3759938	0.01732	0.50	0.00646	0.14	489553	3759938	0.11	0.7521
490553	3759938	0.0114	0.33	0.00549	0.12	490553	3759938	0.12	0.5725
491553	3759938	0.01146	0.33	0.00389	0.09	491553	3759938	0.08	0.4977
492553	3759938	0.00879	0.25	0.00388	0.09	492553	3759938	0.09	0.4242
493553	3759938	0.00718	0.21	0.00388	0.09	493553	3759938	0.07	0.3625
494553	3759938	0.00645	0.19	0.0045	0.10	494553	3759938	0.06	0.3460
495553	3759938	0.00688	0.20	0.0024	0.05	495553	3759938	0.05	0.2963
496553	3759938	0.00733	0.21	0.00355	0.08	496553	3759938	0.05	0.3385
497553	3759938	0.00557	0.16	0.00253	0.06	497553	3759938	0.04	0.2587
498553	3759938	0.00769	0.22	0.0034	0.07	498553	3759938	0.04	0.3312
499553	3759938	0.00523	0.15	0.003	0.07	499553	3759938	0.03	0.2510
500553	3759938	0.00385	0.11	0.00192	0.04	500553	3759938	0.03	0.1839
501553	3759938	0.00589	0.17	0.00273	0.06	501553	3759938	0.03	0.2618

502553	3759938	0.00435	0.13	0.00234	0.05	502553	3759938	0.03	0.2071
503553	3759938	0.00514	0.15	0.00245	0.05	503553	3759938	0.03	0.2273
504553	3759938	0.00368	0.11	0.00188	0.04	504553	3759938	0.02	0.1693
505553	3759938	0.00285	0.08	0.0013	0.03	505553	3759938	0.02	0.1306
461553	3760938	0.00231	0.07	0.00108	0.02	461553	3760938	0.02	0.1086
462553	3760938	0.00292	0.08	0.00106	0.02	462553	3760938	0.02	0.1260
463553	3760938	0.00352	0.10	0.00135	0.03	463553	3760938	0.02	0.1499
464553	3760938	0.00411	0.12	0.00168	0.04	464553	3760938	0.02	0.1748
465553	3760938	0.00437	0.13	0.00191	0.04	465553	3760938	0.02	0.1876
466553	3760938	0.00437	0.13	0.00206	0.05	466553	3760938	0.02	0.1915
467553	3760938	0.00403	0.12	0.00207	0.05	467553	3760938	0.02	0.1826
468553	3760938	0.00355	0.10	0.00192	0.04	468553	3760938	0.02	0.1664
469553	3760938	0.00413	0.12	0.00174	0.04	469553	3760938	0.02	0.1802
470553	3760938	0.00465	0.13	0.00212	0.05	470553	3760938	0.03	0.2057
471553	3760938	0.00479	0.14	0.00238	0.05	471553	3760938	0.03	0.2176
472553	3760938	0.00609	0.18	0.00265	0.06	472553	3760938	0.05	0.2785
473553	3760938	0.0054	0.16	0.00317	0.07	473553	3760938	0.04	0.2685
474553	3760938	0.00616	0.18	0.00302	0.07	474553	3760938	0.05	0.2936
475553	3760938	0.00575	0.17	0.00328	0.07	475553	3760938	0.05	0.2921
476553	3760938	0.00395	0.11	0.00235	0.05	476553	3760938	0.04	0.2071
477553	3760938	0.00541	0.16	0.00276	0.06	477553	3760938	0.04	0.2554
478553	3760938	0.00683	0.20	0.00324	0.07	478553	3760938	0.06	0.3323
479553	3760938	0.00775	0.22	0.00356	0.08	479553	3760938	0.06	0.3615
480553	3760938	0.00529	0.15	0.00306	0.07	480553	3760938	0.05	0.2663
481553	3760938	0.00653	0.19	0.00259	0.06	481553	3760938	0.05	0.2901
482553	3760938	0.0067	0.19	0.00343	0.08	482553	3760938	0.05	0.3194
483553	3760938	0.00697	0.20	0.00474	0.10	483553	3760938	0.08	0.3881
484553	3760938	0.00892	0.26	0.00477	0.10	484553	3760938	0.14	0.5012
485553	3760938	0.01119	0.32	0.00761	0.17	485553	3760938	0.13	0.6142
486553	3760938	0.01271	0.37	0.00665	0.15	486553	3760938	0.10	0.6145
487553	3760938	0.01683	0.48	0.00703	0.15	487553	3760938	0.11	0.7517
488553	3760938	0.01312	0.38	0.00958	0.21	488553	3760938	0.11	0.6955
489553	3760938	0.01023	0.29	0.00447	0.10	489553	3760938	0.08	0.4682
490553	3760938	0.00865	0.25	0.00484	0.11	490553	3760938	0.08	0.4328
491553	3760938	0.00595	0.17	0.0039	0.09	491553	3760938	0.08	0.3357
492553	3760938	0.00692	0.20	0.00444	0.10	492553	3760938	0.06	0.3542
493553	3760938	0.00663	0.19	0.0035	0.08	493553	3760938	0.07	0.3340
494553	3760938	0.00613	0.18	0.00316	0.07	494553	3760938	0.06	0.3019
495553	3760938	0.00636	0.18	0.00387	0.09	495553	3760938	0.05	0.3211
496553	3760938	0.00464	0.13	0.00193	0.04	496553	3760938	0.05	0.2230
497553	3760938	0.00661	0.19	0.00331	0.07	497553	3760938	0.04	0.2981
498553	3760938	0.00519	0.15	0.00316	0.07	498553	3760938	0.04	0.2596
499553	3760938	0.00427	0.12	0.00213	0.05	499553	3760938	0.04	0.2050
500553	3760938	0.00368	0.11	0.00193	0.04	500553	3760938	0.03	0.1757
501553	3760938	0.00395	0.11	0.00196	0.04	501553	3760938	0.03	0.1855
502553	3760938	0.0031	0.09	0.00149	0.03	502553	3760938	0.03	0.1493
503553	3760938	0.00477	0.14	0.00217	0.05	503553	3760938	0.02	0.2078
504553	3760938	0.00398	0.11	0.00206	0.05	504553	3760938	0.03	0.1854
505553	3760938	0.00299	0.09	0.00143	0.03	505553	3760938	0.02	0.1418
461553	3761938	0.00356	0.10	0.00144	0.03	461553	3761938	0.02	0.1508
462553	3761938	0.00387	0.11	0.00166	0.04	462553	3761938	0.02	0.1648
463553	3761938	0.00396	0.11	0.00181	0.04	463553	3761938	0.02	0.1710
464553	3761938	0.00381	0.11	0.00186	0.04	464553	3761938	0.02	0.1682
465553	3761938	0.00341	0.10	0.0018	0.04	465553	3761938	0.02	0.1559
466553	3761938	0.00316	0.09	0.00161	0.04	466553	3761938	0.02	0.1450
467553	3761938	0.0036	0.10	0.00151	0.03	467553	3761938	0.02	0.1560
468553	3761938	0.0038	0.11	0.00173	0.04	468553	3761938	0.02	0.1673
469553	3761938	0.00376	0.11	0.00186	0.04	469553	3761938	0.02	0.1697
470553	3761938	0.00459	0.13	0.00193	0.04	470553	3761938	0.02	0.1979
471553	3761938	0.00649	0.19	0.00292	0.06	471553	3761938	0.04	0.2864
472553	3761938	0.00489	0.14	0.0032	0.07	472553	3761938	0.04	0.2537
473553	3761938	0.00528	0.15	0.00218	0.05	473553	3761938	0.04	0.2351
474553	3761938	0.00559	0.16	0.00303	0.07	474553	3761938	0.05	0.2788
475553	3761938	0.00375	0.11	0.0022	0.05	475553	3761938	0.03	0.1890
476553	3761938	0.00486	0.14	0.00233	0.05	476553	3761938	0.04	0.2337
477553	3761938	0.00609	0.18	0.00302	0.07	477553	3761938	0.06	0.3018
478553	3761938	0.00875	0.25	0.00419	0.09	478553	3761938	0.07	0.4103
479553	3761938	0.0057	0.16	0.00345	0.08	479553	3761938	0.05	0.2947
480553	3761938	0.0062	0.18	0.0024	0.05	480553	3761938	0.05	0.2781
481553	3761938	0.00687	0.20	0.00464	0.10	481553	3761938	0.07	0.3646
482553	3761938	0.00861	0.25	0.00343	0.08	482553	3761938	0.09	0.4115
483553	3761938	0.00898	0.26	0.0042	0.09	483553	3761938	0.11	0.4575
484553	3761938	0.00845	0.24	0.00412	0.09	484553	3761938	0.09	0.4266
485553	3761938	0.00986	0.28	0.00682	0.15	485553	3761938	0.10	0.5377
486553	3761938	0.00993	0.29	0.00569	0.13	486553	3761938	0.10	0.5151
487553	3761938	0.01042	0.30	0.00551	0.12	487553	3761938	0.10	0.5167
488553	3761938	0.01077	0.31	0.00688	0.15	488553	3761938	0.08	0.5436
489553	3761938	0.00707	0.20	0.00409	0.09	489553	3761938	0.08	0.3685
490553	3761938	0.00788	0.23	0.0047	0.10	490553	3761938	0.06	0.3895
491553	3761938	0.00765	0.22	0.00336	0.07	491553	3761938	0.05	0.3466
492553	3761938	0.00659	0.19	0.00261	0.06	492553	3761938	0.06	0.3074
493553	3761938	0.00525	0.15	0.00359	0.08	493553	3761938	0.05	0.2778
494553	3761938	0.00483	0.14	0.00291	0.06	494553	3761938	0.05	0.2514
495553	3761938	0.00564	0.16	0.00258	0.06	495553	3761938	0.05	0.2642
496553	3761938	0.0065	0.19	0.00361	0.08	496553	3761938	0.04	0.3067
497553	3761938	0.00369	0.11	0.00177	0.04	497553	3761938	0.04	0.1858
498553	3761938	0.00596	0.17	0.00249	0.05	498553	3761938	0.03	0.2607
499553	3761938	0.00576	0.17	0.00262	0.06	499553	3761938	0.03	0.2509
500553	3761938	0.00357	0.10	0.00166	0.04	500553	3761938	0.03	0.1705
501553	3761938	0.00324	0.09	0.00139	0.03	501553	3761938	0.03	0.1530
502553	3761938	0.00298	0.09	0.00141	0.03	502553	3761938	0.02	0.1395
503553	3761938	0.00311	0.09	0.00156	0.03	503553	3761938	0.02	0.1475
504553	3761938	0.00253	0.07	0.00115	0.03	504553	3761938	0.02	0.1222
505553	3761938	0.00371	0.11	0.00167	0.04	505553	3761938	0.02	0.1629
461553	3762938	0.00368	0.11	0.00174	0.04	461553	3762938	0.02	0.1599
462553	3762938	0.00344	0.10	0.00173	0.04	462553	3762938	0.02	0.1531

463553	3762938	0.003	0.09	0.00161	0.04	463553	3762938	0.02	0.1381
464553	3762938	0.00288	0.08	0.00139	0.03	464553	3762938	0.02	0.1299
465553	3762938	0.00323	0.09	0.00137	0.03	465553	3762938	0.02	0.1399
466553	3762938	0.00342	0.10	0.00153	0.03	466553	3762938	0.02	0.1492
467553	3762938	0.00334	0.10	0.00162	0.04	467553	3762938	0.02	0.1492
468553	3762938	0.00375	0.11	0.00158	0.03	468553	3762938	0.02	0.1616
469553	3762938	0.00383	0.11	0.00189	0.04	469553	3762938	0.02	0.1738
470553	3762938	0.00405	0.12	0.00194	0.04	470553	3762938	0.02	0.1840
471553	3762938	0.00418	0.12	0.00201	0.04	471553	3762938	0.03	0.1924
472553	3762938	0.00452	0.13	0.00215	0.05	472553	3762938	0.03	0.2081
473553	3762938	0.0043	0.12	0.0022	0.05	473553	3762938	0.03	0.2058
474553	3762938	0.00417	0.12	0.00221	0.05	474553	3762938	0.04	0.2080
475553	3762938	0.00698	0.20	0.00287	0.06	475553	3762938	0.05	0.3165
476553	3762938	0.00754	0.22	0.00313	0.07	476553	3762938	0.04	0.3259
477553	3762938	0.00834	0.24	0.004	0.09	477553	3762938	0.04	0.3725
478553	3762938	0.00754	0.22	0.00373	0.08	478553	3762938	0.05	0.3512
479553	3762938	0.0043	0.12	0.00281	0.06	479553	3762938	0.05	0.2344
480553	3762938	0.00656	0.19	0.00303	0.07	480553	3762938	0.06	0.3107
481553	3762938	0.00694	0.20	0.0033	0.07	481553	3762938	0.05	0.3269
482553	3762938	0.00706	0.20	0.00442	0.10	482553	3762938	0.07	0.3749
483553	3762938	0.00826	0.24	0.00328	0.07	483553	3762938	0.08	0.3939
484553	3762938	0.0079	0.23	0.00344	0.08	484553	3762938	0.07	0.3747
485553	3762938	0.00863	0.25	0.00517	0.11	485553	3762938	0.12	0.4842
486553	3762938	0.00896	0.26	0.00507	0.11	486553	3762938	0.08	0.4471
487553	3762938	0.00813	0.23	0.00498	0.11	487553	3762938	0.09	0.4289
488553	3762938	0.01572	0.45	0.00546	0.12	488553	3762938	0.10	0.6750
489553	3762938	0.00882	0.25	0.00566	0.12	489553	3762938	0.09	0.4657
490553	3762938	0.01063	0.31	0.00394	0.09	490553	3762938	0.06	0.4563
491553	3762938	0.00702	0.20	0.00341	0.07	491553	3762938	0.06	0.3402
492553	3762938	0.00526	0.15	0.0035	0.08	492553	3762938	0.06	0.2864
493553	3762938	0.00708	0.20	0.00242	0.05	493553	3762938	0.05	0.3040
494553	3762938	0.00481	0.14	0.00232	0.05	494553	3762938	0.04	0.2298
495553	3762938	0.00416	0.12	0.00251	0.06	495553	3762938	0.04	0.2129
496553	3762938	0.00488	0.14	0.00235	0.05	496553	3762938	0.04	0.2350
497553	3762938	0.00614	0.18	0.00306	0.07	497553	3762938	0.03	0.2783
498553	3762938	0.00344	0.10	0.00154	0.03	498553	3762938	0.04	0.1712
499553	3762938	0.00444	0.13	0.00157	0.03	499553	3762938	0.03	0.1963
500553	3762938	0.00473	0.14	0.00223	0.05	500553	3762938	0.02	0.2092
501553	3762938	0.00346	0.10	0.0021	0.05	501553	3762938	0.02	0.1700
502553	3762938	0.00284	0.08	0.00159	0.03	502553	3762938	0.03	0.1453
503553	3762938	0.00278	0.08	0.00126	0.03	503553	3762938	0.02	0.1318
504553	3762938	0.00245	0.07	0.00109	0.02	504553	3762938	0.02	0.1134
505553	3762938	0.00197	0.06	0.001	0.02	505553	3762938	0.02	0.0972
461553	3763938	0.0027	0.08	0.00146	0.03	461553	3763938	0.02	0.1249
462553	3763938	0.00298	0.09	0.00136	0.03	462553	3763938	0.02	0.1321
463553	3763938	0.00303	0.09	0.00129	0.03	463553	3763938	0.02	0.1309
464553	3763938	0.00317	0.09	0.00142	0.03	464553	3763938	0.02	0.1379
465553	3763938	0.00305	0.09	0.00147	0.03	465553	3763938	0.02	0.1355
466553	3763938	0.00343	0.10	0.00143	0.03	466553	3763938	0.02	0.1471
467553	3763938	0.00367	0.11	0.00164	0.04	467553	3763938	0.02	0.1608
468553	3763938	0.00393	0.11	0.00172	0.04	468553	3763938	0.02	0.1723
469553	3763938	0.00333	0.10	0.00187	0.04	469553	3763938	0.02	0.1605
470553	3763938	0.00407	0.12	0.00163	0.04	470553	3763938	0.03	0.1785
471553	3763938	0.00386	0.11	0.00204	0.04	471553	3763938	0.03	0.1837
472553	3763938	0.00391	0.11	0.00199	0.04	472553	3763938	0.03	0.1877
473553	3763938	0.00405	0.12	0.00186	0.04	473553	3763938	0.04	0.1938
474553	3763938	0.00537	0.15	0.00203	0.04	474553	3763938	0.03	0.2321
475553	3763938	0.00646	0.19	0.00271	0.06	475553	3763938	0.03	0.2796
476553	3763938	0.00718	0.21	0.00341	0.07	476553	3763938	0.04	0.3206
477553	3763938	0.00625	0.18	0.00318	0.07	477553	3763938	0.05	0.2968
478553	3763938	0.0043	0.12	0.00255	0.06	478553	3763938	0.05	0.2250
479553	3763938	0.00672	0.19	0.00294	0.06	479553	3763938	0.06	0.3136
480553	3763938	0.00528	0.15	0.00318	0.07	480553	3763938	0.04	0.2637
481553	3763938	0.00609	0.18	0.00252	0.06	481553	3763938	0.05	0.2823
482553	3763938	0.00478	0.14	0.00297	0.07	482553	3763938	0.06	0.2677
483553	3763938	0.00646	0.19	0.00268	0.06	483553	3763938	0.07	0.3130
484553	3763938	0.00997	0.29	0.00402	0.09	484553	3763938	0.07	0.4491
485553	3763938	0.00687	0.20	0.00426	0.09	485553	3763938	0.09	0.3794
486553	3763938	0.00684	0.20	0.00347	0.08	486553	3763938	0.06	0.3323
487553	3763938	0.00513	0.15	0.00357	0.08	487553	3763938	0.06	0.2895
488553	3763938	0.01243	0.36	0.00396	0.09	488553	3763938	0.06	0.5013
489553	3763938	0.0071	0.20	0.00463	0.10	489553	3763938	0.06	0.3705
490553	3763938	0.00691	0.20	0.00371	0.08	490553	3763938	0.07	0.3483
491553	3763938	0.0058	0.17	0.00432	0.09	491553	3763938	0.05	0.3115
492553	3763938	0.00678	0.20	0.00302	0.07	492553	3763938	0.05	0.3089
493553	3763938	0.00426	0.12	0.00245	0.05	493553	3763938	0.05	0.2283
494553	3763938	0.00608	0.17	0.00283	0.06	494553	3763938	0.04	0.2745
495553	3763938	0.00458	0.13	0.00202	0.04	495553	3763938	0.03	0.2108
496553	3763938	0.00381	0.11	0.00205	0.05	496553	3763938	0.03	0.1849
497553	3763938	0.00429	0.12	0.00206	0.05	497553	3763938	0.04	0.2084
498553	3763938	0.00569	0.16	0.0026	0.06	498553	3763938	0.03	0.2529
499553	3763938	0.00286	0.08	0.00139	0.03	499553	3763938	0.03	0.1463
500553	3763938	0.00316	0.09	0.00137	0.03	500553	3763938	0.03	0.1497
501553	3763938	0.00406	0.12	0.00192	0.04	501553	3763938	0.03	0.1848
502553	3763938	0.00352	0.10	0.00171	0.04	502553	3763938	0.02	0.1562
503553	3763938	0.00273	0.08	0.00123	0.03	503553	3763938	0.02	0.1261
504553	3763938	0.00202	0.06	0.001	0.02	504553	3763938	0.02	0.1034
505553	3763938	0.00201	0.06	0.001	0.02	505553	3763938	0.01	0.0926
461553	3764938	0.00287	0.08	0.00123	0.03	461553	3764938	0.01	0.1239
462553	3764938	0.00315	0.09	0.00141	0.03	462553	3764938	0.02	0.1366
463553	3764938	0.00305	0.09	0.00146	0.03	463553	3764938	0.01	0.1348
464553	3764938	0.00314	0.09	0.00136	0.03	464553	3764938	0.02	0.1363
465553	3764938	0.0035	0.10	0.00148	0.03	465553	3764938	0.02	0.1508
466553	3764938	0.00354	0.10	0.00162	0.04	466553	3764938	0.02	0.1565
467553	3764938	0.00349	0.10	0.00168	0.04	467553	3764938	0.02	0.1579
468553	3764938	0.00348	0.10	0.00162	0.04	468553	3764938	0.02	0.1579

469553	3764938	0.0039	0.11	0.00169	0.04	469553	3764938	0.02	0.1726
470553	3764938	0.00349	0.10	0.00183	0.04	470553	3764938	0.02	0.1655
471553	3764938	0.00322	0.09	0.00174	0.04	471553	3764938	0.03	0.1577
472553	3764938	0.00383	0.11	0.00157	0.03	472553	3764938	0.03	0.1782
473553	3764938	0.00502	0.14	0.00195	0.04	473553	3764938	0.03	0.2175
474553	3764938	0.00562	0.16	0.00238	0.05	474553	3764938	0.03	0.2436
475553	3764938	0.0063	0.18	0.00288	0.06	475553	3764938	0.03	0.2789
476553	3764938	0.00606	0.17	0.00297	0.07	476553	3764938	0.04	0.2772
477553	3764938	0.00542	0.16	0.00283	0.06	477553	3764938	0.05	0.2632
478553	3764938	0.00483	0.14	0.00226	0.05	478553	3764938	0.04	0.2253
479553	3764938	0.00548	0.16	0.00283	0.06	479553	3764938	0.03	0.2534
480553	3764938	0.00495	0.14	0.00224	0.05	480553	3764938	0.04	0.2336
481553	3764938	0.00526	0.15	0.0025	0.05	481553	3764938	0.05	0.2557
482553	3764938	0.00482	0.14	0.00223	0.05	482553	3764938	0.06	0.2481
483553	3764938	0.00601	0.17	0.00355	0.08	483553	3764938	0.06	0.3125
484553	3764938	0.00864	0.25	0.00394	0.09	484553	3764938	0.07	0.4060
485553	3764938	0.00732	0.21	0.00392	0.09	485553	3764938	0.08	0.3735
486553	3764938	0.00703	0.20	0.00356	0.08	486553	3764938	0.06	0.3365
487553	3764938	0.00556	0.16	0.00363	0.08	487553	3764938	0.06	0.3038
488553	3764938	0.01007	0.29	0.00343	0.08	488553	3764938	0.06	0.4216
489553	3764938	0.00791	0.23	0.00543	0.12	489553	3764938	0.06	0.4065
490553	3764938	0.00544	0.16	0.00333	0.07	490553	3764938	0.06	0.2922
491553	3764938	0.00822	0.24	0.00291	0.06	491553	3764938	0.04	0.3431
492553	3764938	0.00564	0.16	0.00229	0.05	492553	3764938	0.05	0.2626
493553	3764938	0.00475	0.14	0.00288	0.06	493553	3764938	0.03	0.2344
494553	3764938	0.00417	0.12	0.00171	0.04	494553	3764938	0.04	0.1972
495553	3764938	0.00404	0.12	0.00273	0.06	495553	3764938	0.03	0.2087
496553	3764938	0.0041	0.12	0.00167	0.04	496553	3764938	0.03	0.1844
497553	3764938	0.00346	0.10	0.00165	0.04	497553	3764938	0.02	0.1598
498553	3764938	0.0038	0.11	0.0015	0.03	498553	3764938	0.03	0.1759
499553	3764938	0.00503	0.14	0.00214	0.05	499553	3764938	0.02	0.2135
500553	3764938	0.00243	0.07	0.00145	0.03	500553	3764938	0.03	0.1270
501553	3764938	0.00207	0.06	0.00097	0.02	501553	3764938	0.02	0.0989
502553	3764938	0.00174	0.05	0.00082	0.02	502553	3764938	0.01	0.0818
503553	3764938	0.00163	0.05	0.00079	0.02	503553	3764938	0.01	0.0746
504553	3764938	0.00181	0.05	0.00083	0.02	504553	3764938	0.01	0.0826
505553	3764938	0.00142	0.04	0.00075	0.02	505553	3764938	0.01	0.0672
461553	3765938	0.0028	0.08	0.00133	0.03	461553	3765938	0.01	0.1234
462553	3765938	0.00305	0.09	0.00139	0.03	462553	3765938	0.02	0.1344
463553	3765938	0.00331	0.10	0.00135	0.03	463553	3765938	0.02	0.1413
464553	3765938	0.0032	0.09	0.00155	0.03	464553	3765938	0.02	0.1438
465553	3765938	0.00349	0.10	0.00153	0.03	465553	3765938	0.02	0.1529
466553	3765938	0.0029	0.08	0.00159	0.03	466553	3765938	0.02	0.1379
467553	3765938	0.00358	0.10	0.00137	0.03	467553	3765938	0.02	0.1540
468553	3765938	0.00386	0.11	0.00184	0.04	468553	3765938	0.02	0.1751
469553	3765938	0.00334	0.10	0.00161	0.04	469553	3765938	0.02	0.1543
470553	3765938	0.00276	0.08	0.00157	0.03	470553	3765938	0.02	0.1381
471553	3765938	0.00333	0.10	0.00129	0.03	471553	3765938	0.03	0.1494
472553	3765938	0.00461	0.13	0.00181	0.04	472553	3765938	0.03	0.1994
473553	3765938	0.00493	0.14	0.00211	0.05	473553	3765938	0.03	0.2142
474553	3765938	0.00544	0.16	0.00249	0.05	474553	3765938	0.03	0.2406
475553	3765938	0.00556	0.16	0.00268	0.06	475553	3765938	0.03	0.2513
476553	3765938	0.0049	0.14	0.00262	0.06	476553	3765938	0.03	0.2318
477553	3765938	0.00339	0.10	0.00212	0.05	477553	3765938	0.03	0.1753
478553	3765938	0.00546	0.16	0.00211	0.05	478553	3765938	0.03	0.2328
479553	3765938	0.00395	0.11	0.00248	0.05	479553	3765938	0.04	0.2031
480553	3765938	0.00473	0.14	0.00192	0.04	480553	3765938	0.04	0.2166
481553	3765938	0.00418	0.12	0.00252	0.06	481553	3765938	0.05	0.2262
482553	3765938	0.00529	0.15	0.002	0.04	482553	3765938	0.05	0.2509
483553	3765938	0.00496	0.14	0.0028	0.06	483553	3765938	0.05	0.2540
484553	3765938	0.0068	0.20	0.00351	0.08	484553	3765938	0.06	0.3300
485553	3765938	0.00731	0.21	0.00334	0.07	485553	3765938	0.06	0.3422
486553	3765938	0.00739	0.21	0.00355	0.08	486553	3765938	0.05	0.3429
487553	3765938	0.00601	0.17	0.00367	0.08	487553	3765938	0.06	0.3151
488553	3765938	0.0072	0.21	0.00279	0.06	488553	3765938	0.05	0.3200
489553	3765938	0.00712	0.20	0.00497	0.11	489553	3765938	0.04	0.3580
490553	3765938	0.00594	0.17	0.00289	0.06	490553	3765938	0.05	0.2870
491553	3765938	0.00653	0.19	0.00261	0.06	491553	3765938	0.05	0.2917
492553	3765938	0.00423	0.12	0.0033	0.07	492553	3765938	0.04	0.2329
493553	3765938	0.00582	0.17	0.00233	0.05	493553	3765938	0.04	0.2590
494553	3765938	0.00359	0.10	0.00194	0.04	494553	3765938	0.04	0.1828
495553	3765938	0.00489	0.14	0.00165	0.04	495553	3765938	0.03	0.2094
496553	3765938	0.0034	0.10	0.00214	0.05	496553	3765938	0.03	0.1739
497553	3765938	0.0036	0.10	0.0016	0.04	497553	3765938	0.03	0.1645
498553	3765938	0.00277	0.08	0.00131	0.03	498553	3765938	0.02	0.1291
499553	3765938	0.00284	0.08	0.00095	0.02	499553	3765938	0.02	0.1208
500553	3765938	0.00413	0.12	0.00166	0.04	500553	3765938	0.02	0.1750
501553	3765938	0.00195	0.06	0.00121	0.03	501553	3765938	0.02	0.1019
502553	3765938	0.00127	0.04	0.00066	0.01	502553	3765938	0.01	0.0588
503553	3765938	0.00103	0.03	0.00052	0.01	503553	3765938	0.01	0.0482
504553	3765938	0.00108	0.03	0.00049	0.01	504553	3765938	0.01	0.0482
505553	3765938	0.00132	0.04	0.00059	0.01	505553	3765938	0.01	0.0591
461553	3766938	0.00313	0.09	0.00124	0.03	461553	3766938	0.02	0.1328
462553	3766938	0.00316	0.09	0.00145	0.03	462553	3766938	0.02	0.1392
463553	3766938	0.00331	0.10	0.00145	0.03	463553	3766938	0.02	0.1444
464553	3766938	0.00313	0.09	0.00155	0.03	464553	3766938	0.02	0.1423
465553	3766938	0.00301	0.09	0.00141	0.03	465553	3766938	0.02	0.1363
466553	3766938	0.00344	0.10	0.00145	0.03	466553	3766938	0.02	0.1501
467553	3766938	0.0031	0.09	0.00161	0.04	467553	3766938	0.02	0.1447
468553	3766938	0.00335	0.10	0.00156	0.03	468553	3766938	0.02	0.1537
469553	3766938	0.00247	0.07	0.0014	0.03	469553	3766938	0.02	0.1237
470553	3766938	0.00306	0.09	0.00121	0.03	470553	3766938	0.02	0.1370
471553	3766938	0.00392	0.11	0.00156	0.03	471553	3766938	0.02	0.1694
472553	3766938	0.00446	0.13	0.00192	0.04	472553	3766938	0.02	0.1940
473553	3766938	0.00467	0.13	0.00213	0.05	473553	3766938	0.03	0.2063
474553	3766938	0.00484	0.14	0.00231	0.05	474553	3766938	0.03	0.2176

475553	3766938	0.00448	0.13	0.0023	0.05	475553	3766938	0.03	0.2079
476553	3766938	0.00323	0.09	0.00196	0.04	476553	3766938	0.03	0.1625
477553	3766938	0.00455	0.13	0.00134	0.03	477553	3766938	0.03	0.1856
478553	3766938	0.00413	0.12	0.00238	0.05	478553	3766938	0.03	0.1990
479553	3766938	0.00388	0.11	0.0017	0.04	479553	3766938	0.03	0.1817
480553	3766938	0.00467	0.13	0.00206	0.05	480553	3766938	0.04	0.2194
481553	3766938	0.00365	0.10	0.00214	0.05	481553	3766938	0.05	0.1982
482553	3766938	0.00513	0.15	0.00194	0.04	482553	3766938	0.05	0.2374
483553	3766938	0.00486	0.14	0.00239	0.05	483553	3766938	0.04	0.2331
484553	3766938	0.00559	0.16	0.00263	0.06	484553	3766938	0.05	0.2645
485553	3766938	0.00561	0.16	0.00251	0.06	485553	3766938	0.04	0.2581
486553	3766938	0.00677	0.19	0.00323	0.07	486553	3766938	0.05	0.3137
487553	3766938	0.00678	0.20	0.00369	0.08	487553	3766938	0.06	0.3311
488553	3766938	0.00651	0.19	0.00248	0.05	488553	3766938	0.05	0.2901
489553	3766938	0.00809	0.23	0.00457	0.10	489553	3766938	0.05	0.3806
490553	3766938	0.00512	0.15	0.00271	0.06	490553	3766938	0.04	0.2468
491553	3766938	0.00436	0.13	0.00223	0.05	491553	3766938	0.04	0.2112
492553	3766938	0.0055	0.16	0.00259	0.06	492553	3766938	0.03	0.2426
493553	3766938	0.00411	0.12	0.00148	0.03	493553	3766938	0.03	0.1838
494553	3766938	0.00411	0.12	0.00244	0.05	494553	3766938	0.03	0.1973
495553	3766938	0.00322	0.09	0.00153	0.03	495553	3766938	0.03	0.1603
496553	3766938	0.0046	0.13	0.00184	0.04	496553	3766938	0.03	0.2000
497553	3766938	0.00292	0.08	0.00144	0.03	497553	3766938	0.03	0.1417
498553	3766938	0.00311	0.09	0.00147	0.03	498553	3766938	0.02	0.1435
499553	3766938	0.00239	0.07	0.0011	0.02	499553	3766938	0.02	0.1107
500553	3766938	0.00284	0.08	0.001	0.02	500553	3766938	0.02	0.1218
501553	3766938	0.00334	0.10	0.00139	0.03	501553	3766938	0.02	0.1440
502553	3766938	0.00096	0.03	0.00041	0.01	502553	3766938	0.00	0.0415
503553	3766938	0.00106	0.03	0.00049	0.01	503553	3766938	0.00	0.0457
504553	3766938	0.00095	0.03	0.00042	0.01	504553	3766938	0.01	0.0424
505553	3766938	0.00091	0.03	0.00042	0.01	505553	3766938	0.01	0.0412
461553	3767938	0.00308	0.09	0.00143	0.03	461553	3767938	0.02	0.1362
462553	3767938	0.00319	0.09	0.00146	0.03	462553	3767938	0.02	0.1407
463553	3767938	0.00265	0.08	0.00147	0.03	463553	3767938	0.02	0.1260
464553	3767938	0.00318	0.09	0.00122	0.03	464553	3767938	0.02	0.1363
465553	3767938	0.00332	0.10	0.00151	0.03	465553	3767938	0.02	0.1473
466553	3767938	0.00294	0.08	0.0015	0.03	466553	3767938	0.02	0.1366
467553	3767938	0.00282	0.08	0.00138	0.03	467553	3767938	0.02	0.1313
468553	3767938	0.0024	0.07	0.00126	0.03	468553	3767938	0.02	0.1170
469553	3767938	0.00287	0.08	0.00116	0.03	469553	3767938	0.02	0.1284
470553	3767938	0.00353	0.10	0.00142	0.03	470553	3767938	0.02	0.1524
471553	3767938	0.00397	0.11	0.00172	0.04	471553	3767938	0.02	0.1729
472553	3767938	0.00422	0.12	0.00192	0.04	472553	3767938	0.02	0.1862
473553	3767938	0.0042	0.12	0.00199	0.04	473553	3767938	0.02	0.1883
474553	3767938	0.00397	0.11	0.00198	0.04	474553	3767938	0.02	0.1819
475553	3767938	0.00324	0.09	0.00183	0.04	475553	3767938	0.02	0.1570
476553	3767938	0.00346	0.10	0.00137	0.03	476553	3767938	0.02	0.1519
477553	3767938	0.00436	0.13	0.00199	0.04	477553	3767938	0.02	0.1921
478553	3767938	0.00299	0.09	0.00189	0.04	478553	3767938	0.03	0.1558
479553	3767938	0.00395	0.11	0.0016	0.04	479553	3767938	0.03	0.1802
480553	3767938	0.00396	0.11	0.002	0.04	480553	3767938	0.04	0.1961
481553	3767938	0.00363	0.10	0.00155	0.03	481553	3767938	0.04	0.1808
482553	3767938	0.00463	0.13	0.00209	0.05	482553	3767938	0.04	0.2197
483553	3767938	0.00465	0.13	0.00193	0.04	483553	3767938	0.04	0.2138
484553	3767938	0.00533	0.15	0.00244	0.05	484553	3767938	0.04	0.2476
485553	3767938	0.00511	0.15	0.00237	0.05	485553	3767938	0.04	0.2344
486553	3767938	0.00498	0.14	0.0024	0.05	486553	3767938	0.04	0.2332
487553	3767938	0.006	0.17	0.00319	0.07	487553	3767938	0.04	0.2829
488553	3767938	0.00723	0.21	0.00276	0.06	488553	3767938	0.05	0.3150
489553	3767938	0.0104	0.30	0.00389	0.09	489553	3767938	0.06	0.4401
490553	3767938	0.00516	0.15	0.00313	0.07	490553	3767938	0.04	0.2611
491553	3767938	0.00372	0.11	0.00207	0.05	491553	3767938	0.04	0.1892
492553	3767938	0.00523	0.15	0.00164	0.04	492553	3767938	0.03	0.2134
493553	3767938	0.00278	0.08	0.00204	0.04	493553	3767938	0.02	0.1470
494553	3767938	0.00463	0.13	0.00167	0.04	494553	3767938	0.03	0.1957
495553	3767938	0.00298	0.09	0.00186	0.04	495553	3767938	0.02	0.1494
496553	3767938	0.00282	0.08	0.00129	0.03	496553	3767938	0.03	0.1368
497553	3767938	0.00371	0.11	0.00194	0.04	497553	3767938	0.02	0.1734
498553	3767938	0.00254	0.07	0.00121	0.03	498553	3767938	0.02	0.1223
499553	3767938	0.00265	0.08	0.00131	0.03	499553	3767938	0.02	0.1243
500553	3767938	0.00211	0.06	0.00103	0.02	500553	3767938	0.02	0.0996
501553	3767938	0.00236	0.07	0.00083	0.02	501553	3767938	0.02	0.1019
502553	3767938	0.00204	0.06	0.0012	0.03	502553	3767938	0.01	0.0996
503553	3767938	0.00139	0.04	0.0006	0.01	503553	3767938	0.01	0.0596
504553	3767938	0.00119	0.03	0.00049	0.01	504553	3767938	0.01	0.0502
505553	3767938	0.00069	0.02	0.00034	0.01	505553	3767938	0.00	0.0308
484551.7	3750934	0.04714	1.36	0.02547	0.56	484551.7	3750934	0.24	2.1517
484651.7	3750934	0.04976	1.43	0.02599	0.57	484651.7	3750934	0.25	2.2524
484751.7	3750934	0.04934	1.42	0.01781	0.39	484751.7	3750934	0.25	2.0614
484851.7	3750934	0.06264	1.80	0.01445	0.32	484851.7	3750934	0.23	2.3443
484951.7	3750934	0.07656	2.20	0.01541	0.34	484951.7	3750934	0.24	2.7765
485051.7	3750934	0.08049	2.32	0.01622	0.36	485051.7	3750934	0.23	2.8987
485151.7	3750934	0.07489	2.15	0.01589	0.35	485151.7	3750934	0.20	2.7017
485251.7	3750934	0.07886	2.27	0.02071	0.46	485251.7	3750934	0.19	2.9086
485351.7	3750934	0.08487	2.44	0.02778	0.61	485351.7	3750934	0.18	3.2307
485451.7	3750934	0.08259	2.38	0.03223	0.71	485451.7	3750934	0.17	3.2583
484551.7	3751034	0.06629	1.91	0.02618	0.58	484551.7	3751034	0.21	2.6951
484651.7	3751034	0.05944	1.71	0.02862	0.63	484651.7	3751034	0.23	2.5691
484751.7	3751034	0.04834	1.39	0.02528	0.56	484751.7	3751034	0.27	2.2123
484851.7	3751034	0.05454	1.57	0.01841	0.40	484851.7	3751034	0.25	2.2261
484951.7	3751034	0.07746	2.23	0.01703	0.37	484951.7	3751034	0.27	2.8695
485051.7	3751034	0.08514	2.45	0.01637	0.36	485051.7	3751034	0.26	3.0667
485151.7	3751034	0.08302	2.39	0.01721	0.38	485151.7	3751034	0.22	2.9906
485251.7	3751034	0.08245	2.37	0.01676	0.37	485251.7	3751034	0.20	2.9377
485351.7	3751034	0.08734	2.51	0.02369	0.52	485351.7	3751034	0.19	3.2241
485451.7	3751034	0.09081	2.61	0.03075	0.68	485451.7	3751034	0.18	3.4717

484551.7	3751134	0.07457	2.14	0.02609	0.57	484551.7	3751134	0.22	2.9377
484651.7	3751134	0.07159	2.06	0.02685	0.59	484651.7	3751134	0.23	2.8756
484751.7	3751134	0.06482	1.86	0.02985	0.66	484751.7	3751134	0.24	2.7644
484851.7	3751134	0.05383	1.55	0.02538	0.56	484851.7	3751134	0.28	2.3858
484951.7	3751134	0.07258	2.09	0.02272	0.50	484951.7	3751134	0.28	2.8718
485051.7	3751134	0.08404	2.42	0.01788	0.39	485051.7	3751134	0.28	3.0903
485151.7	3751134	0.0899	2.59	0.01739	0.38	485151.7	3751134	0.26	3.2307
485251.7	3751134	0.08542	2.46	0.01834	0.40	485251.7	3751134	0.22	3.0767
485351.7	3751134	0.08929	2.57	0.01847	0.41	485351.7	3751134	0.20	3.1770
485451.7	3751134	0.09645	2.77	0.02694	0.59	485451.7	3751134	0.19	3.5612
484551.7	3751234	0.07602	2.19	0.03043	0.67	484551.7	3751234	0.22	3.0704
484651.7	3751234	0.07937	2.28	0.02921	0.64	484651.7	3751234	0.23	3.1515
484751.7	3751234	0.07623	2.19	0.02732	0.60	484751.7	3751234	0.24	3.0357
484851.7	3751234	0.06483	1.86	0.03016	0.66	484851.7	3751234	0.27	2.7940
484951.7	3751234	0.0701	2.02	0.02968	0.65	484951.7	3751234	0.28	2.9530
485051.7	3751234	0.08088	2.33	0.02378	0.52	485051.7	3751234	0.29	3.1439
485151.7	3751234	0.08617	2.48	0.01788	0.39	485151.7	3751234	0.28	3.1466
485251.7	3751234	0.09157	2.63	0.01865	0.41	485251.7	3751234	0.22	3.2684
485351.7	3751234	0.09177	2.64	0.01952	0.43	485351.7	3751234	0.21	3.2816
485451.7	3751234	0.09833	2.83	0.02149	0.47	485451.7	3751234	0.21	3.5111
484551.7	3751334	0.08809	2.53	0.03297	0.72	484551.7	3751334	0.21	3.4710
484651.7	3751334	0.08487	2.44	0.03341	0.73	484651.7	3751334	0.22	3.3995
484751.7	3751334	0.08442	2.43	0.03257	0.72	484751.7	3751334	0.24	3.3838
484851.7	3751334	0.0819	2.36	0.03033	0.67	484851.7	3751334	0.26	3.2811
484951.7	3751334	0.07399	2.13	0.03193	0.70	484951.7	3751334	0.27	3.1034
485051.7	3751334	0.07912	2.28	0.03046	0.67	485051.7	3751334	0.30	3.2437
485151.7	3751334	0.08192	2.36	0.02272	0.50	485151.7	3751334	0.30	3.1585
485251.7	3751334	0.09047	2.60	0.01838	0.40	485251.7	3751334	0.25	3.2526
485351.7	3751334	0.0976	2.81	0.01991	0.44	485351.7	3751334	0.23	3.4712
485451.7	3751334	0.10089	2.90	0.02075	0.46	485451.7	3751334	0.23	3.5837
484551.7	3751434	0.09771	2.81	0.03351	0.74	484551.7	3751434	0.21	3.7610
484651.7	3751434	0.09914	2.85	0.03584	0.79	484651.7	3751434	0.23	3.8658
484751.7	3751434	0.09534	2.74	0.03638	0.80	484751.7	3751434	0.24	3.7842
484851.7	3751434	0.0892	2.57	0.03584	0.79	484851.7	3751434	0.26	3.6109
484951.7	3751434	0.08969	2.58	0.03476	0.76	484951.7	3751434	0.28	3.6197
485051.7	3751434	0.07524	2.16	0.03171	0.70	485051.7	3751434	0.30	3.1573
485151.7	3751434	0.07883	2.27	0.02781	0.61	485151.7	3751434	0.32	3.1953
485251.7	3751434	0.08704	2.50	0.02279	0.50	485251.7	3751434	0.31	3.3112
485351.7	3751434	0.10005	2.88	0.01979	0.43	485351.7	3751434	0.25	3.5651
485451.7	3751434	0.10329	2.97	0.02132	0.47	485451.7	3751434	0.24	3.6764
484551.7	3751534	0.10017	2.88	0.03135	0.69	484551.7	3751534	0.22	3.7863
484651.7	3751534	0.1044	3.00	0.03347	0.74	484651.7	3751534	0.22	3.9622
484751.7	3751534	0.11214	3.23	0.03875	0.85	484751.7	3751534	0.24	4.3164
484851.7	3751534	0.11157	3.21	0.04006	0.88	484851.7	3751534	0.26	4.3488
484951.7	3751534	0.10577	3.04	0.04054	0.89	484951.7	3751534	0.28	4.2136
485051.7	3751534	0.099	2.85	0.04075	0.90	485051.7	3751534	0.30	4.0436
485151.7	3751534	0.09016	2.59	0.03733	0.82	485151.7	3751534	0.31	3.7231
485251.7	3751534	0.09476	2.73	0.03057	0.67	485251.7	3751534	0.34	3.7344
485351.7	3751534	0.09907	2.85	0.0243	0.53	485351.7	3751534	0.33	3.7122
485451.7	3751534	0.11049	3.18	0.02141	0.47	485451.7	3751534	0.27	3.9198
484551.7	3751634	0.10339	2.97	0.03068	0.67	484551.7	3751634	0.22	3.8685
484651.7	3751634	0.11048	3.18	0.03323	0.73	484651.7	3751634	0.23	4.1372
484751.7	3751634	0.11652	3.35	0.03578	0.79	484751.7	3751634	0.24	4.3759
484851.7	3751634	0.12104	3.48	0.03823	0.84	484851.7	3751634	0.26	4.5766
484951.7	3751634	0.12807	3.68	0.04298	0.94	484951.7	3751634	0.27	4.9026
485051.7	3751634	0.12312	3.54	0.04234	0.93	485051.7	3751634	0.29	4.7584
485151.7	3751634	0.11836	3.40	0.04581	1.01	485151.7	3751634	0.32	4.7324
485251.7	3751634	0.10151	2.92	0.04267	0.94	485251.7	3751634	0.34	4.1940
485351.7	3751634	0.12055	3.47	0.03539	0.78	485351.7	3751634	0.36	4.6067
485451.7	3751634	0.12021	3.46	0.02776	0.61	485451.7	3751634	0.37	4.4349
484551.7	3751734	0.10339	2.97	0.02945	0.65	484551.7	3751734	0.22	3.8437
484651.7	3751734	0.11268	3.24	0.03221	0.71	484651.7	3751734	0.23	4.1803
484751.7	3751734	0.12242	3.52	0.03525	0.77	484751.7	3751734	0.24	4.5383
484851.7	3751734	0.13059	3.76	0.03826	0.84	484851.7	3751734	0.26	4.8529
484951.7	3751734	0.13734	3.95	0.04126	0.91	484951.7	3751734	0.27	5.1295
485051.7	3751734	0.14225	4.09	0.04411	0.97	485051.7	3751734	0.29	5.3513
485151.7	3751734	0.14805	4.26	0.04912	1.08	485151.7	3751734	0.31	5.6520
485251.7	3751734	0.14108	4.06	0.05123	1.13	485251.7	3751734	0.35	5.5298
485351.7	3751734	0.11859	3.41	0.0483	1.06	485351.7	3751734	0.37	4.8389
485451.7	3751734	0.14257	4.10	0.04022	0.88	485451.7	3751734	0.39	5.3754
484551.7	3751834	0.0998	2.87	0.02778	0.61	484551.7	3751834	0.22	3.7051
484651.7	3751834	0.11126	3.20	0.03066	0.67	484651.7	3751834	0.23	4.1072
484751.7	3751834	0.12282	3.53	0.03377	0.74	484751.7	3751834	0.24	4.5182
484851.7	3751834	0.13497	3.88	0.03724	0.82	484851.7	3751834	0.25	4.9552
484951.7	3751834	0.14474	4.16	0.04058	0.89	484951.7	3751834	0.27	5.3237
485051.7	3751834	0.15624	4.49	0.04448	0.98	485051.7	3751834	0.29	5.7637
485151.7	3751834	0.1649	4.74	0.04812	1.06	485151.7	3751834	0.31	6.1145
485251.7	3751834	0.17529	5.04	0.05487	1.21	485251.7	3751834	0.35	6.5988
485351.7	3751834	0.16257	4.68	0.05642	1.24	485351.7	3751834	0.38	6.2920
485451.7	3751834	0.13305	3.83	0.05287	1.16	485451.7	3751834	0.40	5.3855
484551.7	3751934	0.09539	2.74	0.02634	0.58	484551.7	3751934	0.23	3.5552
484651.7	3751934	0.10742	3.09	0.02905	0.64	484651.7	3751934	0.24	3.9659
484751.7	3751934	0.12092	3.48	0.03216	0.71	484751.7	3751934	0.25	4.4327
484851.7	3751934	0.13434	3.86	0.03547	0.78	484851.7	3751934	0.26	4.9012
484951.7	3751934	0.14878	4.28	0.03927	0.86	484951.7	3751934	0.27	5.4110
485051.7	3751934	0.16442	4.73	0.04357	0.96	485051.7	3751934	0.29	5.9793
485151.7	3751934	0.18006	5.18	0.04818	1.06	485151.7	3751934	0.32	6.5563
485251.7	3751934	0.19305	5.55	0.05264	1.16	485251.7	3751934	0.34	7.0498
485351.7	3751934	0.20911	6.01	0.06035	1.33	485351.7	3751934	0.38	7.7191
485451.7	3751934	0.20089	5.78	0.0635	1.40	485451.7	3751934	0.42	7.5936
484551.7	3752034	0.0901	2.59	0.02515	0.55	484551.7	3752034	0.24	3.3869
484651.7	3752034	0.10228	2.94	0.02768	0.61	484651.7	3752034	0.25	3.7989
484751.7	3752034	0.11429	3.29	0.03024	0.66	484751.7	3752034	0.25	4.2033
484851.7	3752034	0.13038	3.75	0.03364	0.74	484851.7	3752034	0.26	4.7523
484951.7	3752034	0.14917	4.29	0.03767	0.83	484951.7	3752034	0.28	5.3967
485051.7	3752034	0.16564	4.76	0.04165	0.92	485051.7	3752034	0.29	5.9706

485151.7	3752034	0.18665	5.37	0.0467	1.03	485151.7	3752034	0.32	6.7134
485251.7	3752034	0.20815	5.99	0.05218	1.15	485251.7	3752034	0.35	7.4809
485351.7	3752034	0.22764	6.55	0.05763	1.27	485351.7	3752034	0.38	8.1903
485451.7	3752034	0.24489	7.04	0.06673	1.47	485451.7	3752034	0.43	8.9359
484551.7	3752134	0.0807	2.32	0.02345	0.52	484551.7	3752134	0.25	3.0833
484651.7	3752134	0.09278	2.67	0.02592	0.57	484651.7	3752134	0.26	3.4936
484751.7	3752134	0.10625	3.06	0.02861	0.63	484751.7	3752134	0.26	3.9470
484851.7	3752134	0.1223	3.52	0.03175	0.70	484851.7	3752134	0.27	4.4847
484951.7	3752134	0.14121	4.06	0.03543	0.78	484951.7	3752134	0.28	5.1234
485051.7	3752134	0.16169	4.65	0.03951	0.87	485051.7	3752134	0.30	5.8150
485151.7	3752134	0.18577	5.34	0.04444	0.98	485151.7	3752134	0.32	6.6404
485251.7	3752134	0.21442	6.17	0.05038	1.11	485251.7	3752134	0.35	7.6283
485351.7	3752134	0.24288	6.99	0.05671	1.25	485351.7	3752134	0.39	8.6183
485451.7	3752134	0.27058	7.78	0.06333	1.39	485451.7	3752134	0.42	9.5924
484551.7	3752234	0.07135	2.05	0.02182	0.48	484551.7	3752234	0.25	2.7844
484651.7	3752234	0.08163	2.35	0.02401	0.53	484651.7	3752234	0.26	3.1366
484751.7	3752234	0.09503	2.73	0.02671	0.59	484751.7	3752234	0.27	3.5920
484851.7	3752234	0.1091	3.14	0.02946	0.65	484851.7	3752234	0.28	4.0635
484951.7	3752234	0.12672	3.64	0.03278	0.72	484951.7	3752234	0.29	4.6510
485051.7	3752234	0.14413	4.15	0.03612	0.79	485051.7	3752234	0.29	5.2340
485151.7	3752234	0.17538	5.04	0.04166	0.92	485151.7	3752234	0.32	6.2833
485251.7	3752234	0.20335	5.85	0.04695	1.03	485251.7	3752234	0.35	7.2317
485351.7	3752234	0.24007	6.91	0.05381	1.18	485351.7	3752234	0.39	8.4763
485451.7	3752234	0.28075	8.08	0.06158	1.35	485451.7	3752234	0.43	9.8596
484551.7	3752334	0.06154	1.77	0.01993	0.44	484551.7	3752334	0.26	2.4671
484651.7	3752334	0.07075	2.03	0.02203	0.48	484651.7	3752334	0.27	2.7885
484751.7	3752334	0.08131	2.34	0.02432	0.53	484751.7	3752334	0.28	3.1514
484851.7	3752334	0.09386	2.70	0.0269	0.59	484851.7	3752334	0.29	3.5773
484951.7	3752334	0.11042	3.18	0.03009	0.66	484951.7	3752334	0.30	4.1344
485051.7	3752334	0.12998	3.74	0.03369	0.74	485051.7	3752334	0.31	4.7855
485151.7	3752334	0.15601	4.49	0.03821	0.84	485151.7	3752334	0.33	5.6539
485251.7	3752334	0.18608	5.35	0.04338	0.95	485251.7	3752334	0.36	6.6621
485351.7	3752334	0.22495	6.47	0.04992	1.10	485351.7	3752334	0.40	7.9642
485451.7	3752334	0.268	7.71	0.05747	1.26	485451.7	3752334	0.44	9.4083
484551.7	3752434	0.06028	1.73	0.0193	0.42	484551.7	3752434	0.26	2.4223
484651.7	3752434	0.06651	1.91	0.02078	0.46	484651.7	3752434	0.28	2.6461
484751.7	3752434	0.07242	2.08	0.02217	0.49	484751.7	3752434	0.29	2.8559
484851.7	3752434	0.07949	2.29	0.02402	0.53	484851.7	3752434	0.30	3.1109
484951.7	3752434	0.09169	2.64	0.02678	0.59	484951.7	3752434	0.31	3.5325
485051.7	3752434	0.10707	3.08	0.02982	0.66	485051.7	3752434	0.32	4.0503
485151.7	3752434	0.13174	3.79	0.0342	0.75	485151.7	3752434	0.33	4.8742
485251.7	3752434	0.15739	4.53	0.03861	0.85	485251.7	3752434	0.35	5.7300
485351.7	3752434	0.19651	5.65	0.04478	0.98	485351.7	3752434	0.40	7.0373
485451.7	3752434	0.24307	6.99	0.05201	1.14	485451.7	3752434	0.45	8.5826
484551.7	3752534	0.05889	1.69	0.0195	0.43	484551.7	3752534	0.27	2.3927
484651.7	3752534	0.06313	1.82	0.02014	0.44	484651.7	3752534	0.28	2.5384
484751.7	3752534	0.06862	1.97	0.0215	0.47	484751.7	3752534	0.29	2.7344
484851.7	3752534	0.07722	2.22	0.02342	0.51	484851.7	3752534	0.30	3.0393
484951.7	3752534	0.08523	2.45	0.0252	0.55	484951.7	3752534	0.31	3.3201
485051.7	3752534	0.09544	2.75	0.02728	0.60	485051.7	3752534	0.33	3.6740
485151.7	3752534	0.10811	3.11	0.02964	0.65	485151.7	3752534	0.35	4.1072
485251.7	3752534	0.12724	3.66	0.03343	0.73	485251.7	3752534	0.36	4.7554
485351.7	3752534	0.15895	4.57	0.03856	0.85	485351.7	3752534	0.40	5.8196
485451.7	3752534	0.20182	5.80	0.04493	0.99	485451.7	3752534	0.45	7.2439
484551.7	3752634	0.06332	1.82	0.02144	0.47	484551.7	3752634	0.28	2.5685
484651.7	3752634	0.06729	1.94	0.02233	0.49	484651.7	3752634	0.29	2.7115
484751.7	3752634	0.07218	2.08	0.02341	0.51	484751.7	3752634	0.30	2.8894
484851.7	3752634	0.078	2.24	0.02446	0.54	484851.7	3752634	0.31	3.0918
484951.7	3752634	0.0857	2.46	0.02552	0.56	484951.7	3752634	0.32	3.3490
485051.7	3752634	0.0972	2.80	0.02686	0.59	485051.7	3752634	0.34	3.7283
485151.7	3752634	0.11342	3.26	0.02916	0.64	485151.7	3752634	0.36	4.2629
485251.7	3752634	0.13393	3.85	0.03182	0.70	485251.7	3752634	0.38	4.9297
485351.7	3752634	0.15992	4.60	0.03471	0.76	485351.7	3752634	0.40	5.7610
485451.7	3752634	0.19593	5.64	0.03835	0.84	485451.7	3752634	0.46	6.9337
484551.7	3752734	0.0693	1.99	0.02174	0.48	484551.7	3752734	0.28	2.7503
484651.7	3752734	0.07541	2.17	0.02293	0.50	484651.7	3752734	0.29	2.9647
484751.7	3752734	0.0819	2.36	0.02414	0.53	484751.7	3752734	0.30	3.1886
484851.7	3752734	0.09206	2.65	0.02549	0.56	484851.7	3752734	0.32	3.5236
484951.7	3752734	0.10507	3.02	0.02695	0.59	484951.7	3752734	0.33	3.9440
485051.7	3752734	0.12178	3.50	0.0286	0.63	485051.7	3752734	0.35	4.4789
485151.7	3752734	0.1413	4.06	0.03018	0.66	485151.7	3752734	0.36	5.0910
485251.7	3752734	0.16709	4.81	0.03211	0.71	485251.7	3752734	0.39	5.8989
485351.7	3752734	0.19727	5.67	0.03407	0.75	485351.7	3752734	0.41	6.8348
485451.7	3752734	0.23383	6.73	0.03696	0.81	485451.7	3752734	0.45	7.9909
484551.7	3752834	0.07764	2.23	0.02207	0.49	484551.7	3752834	0.28	3.0023
484651.7	3752834	0.08644	2.49	0.02342	0.51	484651.7	3752834	0.30	3.2970
484751.7	3752834	0.09717	2.79	0.02491	0.55	484751.7	3752834	0.31	3.6517
484851.7	3752834	0.11006	3.17	0.02653	0.58	484851.7	3752834	0.32	4.0712
484951.7	3752834	0.12574	3.62	0.02831	0.62	484951.7	3752834	0.34	4.5755
485051.7	3752834	0.1446	4.16	0.03024	0.66	485051.7	3752834	0.35	5.1754
485151.7	3752834	0.1674	4.81	0.0324	0.71	485151.7	3752834	0.37	5.8970
485251.7	3752834	0.19471	5.60	0.03482	0.77	485251.7	3752834	0.39	6.7589
485351.7	3752834	0.22465	6.46	0.03739	0.82	485351.7	3752834	0.42	7.7013
485451.7	3752834	0.26048	7.49	0.04037	0.89	485451.7	3752834	0.46	8.8362
484551.7	3752934	0.08848	2.54	0.02185	0.48	484551.7	3752934	0.29	3.3140
484651.7	3752934	0.09879	2.84	0.02325	0.51	484651.7	3752934	0.30	3.6528
484751.7	3752934	0.11115	3.20	0.0248	0.55	484751.7	3752934	0.32	4.0574
484851.7	3752934	0.12557	3.61	0.02648	0.58	484851.7	3752934	0.33	4.5218
484951.7	3752934	0.14279	4.11	0.02836	0.62	484951.7	3752934	0.34	5.0740
485051.7	3752934	0.16268	4.68	0.03082	0.68	485051.7	3752934	0.36	5.7143
485151.7	3752934	0.18551	5.34	0.03362	0.74	485151.7	3752934	0.37	6.4482
485251.7	3752934	0.21129	6.08	0.03682	0.81	485251.7	3752934	0.39	7.2773
485351.7	3752934	0.23951	6.89	0.04048	0.89	485351.7	3752934	0.41	8.1899
485451.7	3752934	0.27021	7.77	0.04461	0.98	485451.7	3752934	0.45	9.1982
484551.7	3753034	0.09793	2.82	0.02461	0.54	484551.7	3753034	0.30	3.6611
484651.7	3753034	0.10923	3.14	0.02643	0.58	484651.7	3753034	0.31	4.0323

484751.7	3753034	0.12212	3.51	0.02957	0.65	484751.7	3753034	0.32	4.4843
484851.7	3753034	0.1371	3.94	0.03069	0.67	484851.7	3753034	0.34	4.9554
484951.7	3753034	0.15381	4.42	0.03319	0.73	484951.7	3753034	0.35	5.5060
485051.7	3753034	0.17261	4.96	0.03602	0.79	485051.7	3753034	0.37	6.1233
485151.7	3753034	0.19295	5.55	0.03916	0.86	485151.7	3753034	0.38	6.7897
485251.7	3753034	0.21551	6.20	0.04278	0.94	485251.7	3753034	0.39	7.5284
485351.7	3753034	0.24036	6.91	0.04685	1.03	485351.7	3753034	0.39	8.3358
485451.7	3753034	0.2696	7.75	0.05147	1.13	485451.7	3753034	0.39	9.2786
484551.7	3753134	0.10688	3.07	0.02935	0.65	484551.7	3753134	0.31	4.0330
484651.7	3753134	0.11841	3.41	0.03128	0.69	484651.7	3753134	0.32	4.4163
484751.7	3753134	0.129	3.71	0.03308	0.73	484751.7	3753134	0.33	4.7706
484851.7	3753134	0.14297	4.11	0.03386	0.74	484851.7	3753134	0.34	5.2001
484951.7	3753134	0.16024	4.61	0.03838	0.84	484951.7	3753134	0.36	5.8116
485051.7	3753134	0.17623	5.07	0.04125	0.91	485051.7	3753134	0.37	6.3492
485151.7	3753134	0.19303	5.55	0.04481	0.98	485151.7	3753134	0.38	6.9214
485251.7	3753134	0.21014	6.04	0.04592	1.01	485251.7	3753134	0.40	7.4488
485351.7	3753134	0.23109	6.65	0.0511	1.12	485351.7	3753134	0.38	8.1534
485451.7	3753134	0.25371	7.30	0.05758	1.27	485451.7	3753134	0.28	8.8416
484551.7	3753234	0.11087	3.19	0.03107	0.68	484551.7	3753234	0.32	4.1953
484651.7	3753234	0.12157	3.50	0.0328	0.72	484651.7	3753234	0.34	4.5534
484751.7	3753234	0.13312	3.83	0.03498	0.77	484751.7	3753234	0.35	4.9470
484851.7	3753234	0.14527	4.18	0.03735	0.82	484851.7	3753234	0.36	5.3618
484951.7	3753234	0.15796	4.54	0.03937	0.87	484951.7	3753234	0.37	5.7830
485051.7	3753234	0.1711	4.92	0.04189	0.92	485051.7	3753234	0.38	6.2266
485151.7	3753234	0.1848	5.32	0.04612	1.01	485151.7	3753234	0.40	6.7277
485251.7	3753234	0.19746	5.68	0.05116	1.12	485251.7	3753234	0.41	7.2111
485351.7	3753234	0.2132	6.13	0.05728	1.26	485351.7	3753234	0.39	7.7825
485451.7	3753234	0.22408	6.45	0.06487	1.43	485451.7	3753234	0.27	8.1446
484551.7	3753334	0.1118	3.22	0.03111	0.68	484551.7	3753334	0.34	4.2363
484651.7	3753334	0.12128	3.49	0.03262	0.72	484651.7	3753334	0.35	4.5572
484751.7	3753334	0.13129	3.78	0.03409	0.75	484751.7	3753334	0.37	4.8907
484851.7	3753334	0.14133	4.07	0.03687	0.81	484851.7	3753334	0.38	5.2554
484951.7	3753334	0.15135	4.35	0.04015	0.88	484951.7	3753334	0.39	5.6299
485051.7	3753334	0.16085	4.63	0.04392	0.97	485051.7	3753334	0.41	6.0001
485151.7	3753334	0.17063	4.91	0.04885	1.07	485151.7	3753334	0.42	6.3986
485251.7	3753334	0.17895	5.15	0.0547	1.20	485251.7	3753334	0.43	6.7743
485351.7	3753334	0.18433	5.30	0.06159	1.35	485351.7	3753334	0.41	7.0686
485451.7	3753334	0.2184	6.28	0.07008	1.54	485451.7	3753334	0.30	8.1200
484551.7	3753434	0.11072	3.18	0.03201	0.70	484551.7	3753434	0.35	4.2351
484651.7	3753434	0.1186	3.41	0.03437	0.76	484651.7	3753434	0.37	4.5334
484751.7	3753434	0.12611	3.63	0.0366	0.80	484751.7	3753434	0.39	4.8171
484851.7	3753434	0.13347	3.84	0.03852	0.85	484851.7	3753434	0.40	5.0877
484951.7	3753434	0.13947	4.01	0.04091	0.90	484951.7	3753434	0.42	5.3306
485051.7	3753434	0.14522	4.18	0.04546	1.00	485051.7	3753434	0.44	5.6121
485151.7	3753434	0.14974	4.31	0.05106	1.12	485151.7	3753434	0.45	5.8754
485251.7	3753434	0.16143	4.64	0.05756	1.27	485251.7	3753434	0.45	6.3574
485351.7	3753434	0.18869	5.43	0.06486	1.43	485351.7	3753434	0.44	7.2904
485451.7	3753434	0.2171	6.24	0.07334	1.61	485451.7	3753434	0.32	8.1775
484551.7	3753534	0.10716	3.08	0.03279	0.72	484551.7	3753534	0.36	4.1659
484651.7	3753534	0.11325	3.26	0.03376	0.74	484651.7	3753534	0.38	4.3779
484751.7	3753534	0.11821	3.40	0.03525	0.77	484751.7	3753534	0.40	4.5738
484851.7	3753534	0.12073	3.47	0.03809	0.84	484851.7	3753534	0.42	4.7342
484951.7	3753534	0.12357	3.55	0.0423	0.93	484951.7	3753534	0.44	4.9280
485051.7	3753534	0.1255	3.61	0.0475	1.04	485051.7	3753534	0.46	5.1135
485151.7	3753534	0.13992	4.02	0.05309	1.17	485151.7	3753534	0.48	5.6673
485251.7	3753534	0.16366	4.71	0.05958	1.31	485251.7	3753534	0.48	6.4964
485351.7	3753534	0.18543	5.33	0.06631	1.46	485351.7	3753534	0.48	7.2663
485451.7	3753534	0.20298	5.84	0.07347	1.61	485451.7	3753534	0.36	7.8162
484551.7	3753634	0.10063	2.89	0.03033	0.67	484551.7	3753634	0.37	3.9333
484651.7	3753634	0.10242	2.95	0.03227	0.71	484651.7	3753634	0.40	4.0503
484751.7	3753634	0.10671	3.07	0.03648	0.80	484751.7	3753634	0.41	4.2785
484851.7	3753634	0.10689	3.07	0.03996	0.88	484851.7	3753634	0.43	4.3867
484951.7	3753634	0.1062	3.05	0.04423	0.97	484951.7	3753634	0.46	4.4829
485051.7	3753634	0.12154	3.50	0.04904	1.08	485051.7	3753634	0.48	5.0510
485151.7	3753634	0.14063	4.04	0.05422	1.19	485151.7	3753634	0.50	5.7340
485251.7	3753634	0.15964	4.59	0.05978	1.31	485251.7	3753634	0.51	6.4174
485351.7	3753634	0.17657	5.08	0.06572	1.44	485351.7	3753634	0.50	7.0275
485451.7	3753634	0.18738	5.39	0.07171	1.58	485451.7	3753634	0.41	7.3739
484551.7	3753734	0.09117	2.62	0.03248	0.71	484551.7	3753734	0.39	3.7297
484651.7	3753734	0.09187	2.64	0.03521	0.77	484651.7	3753734	0.41	3.8223
484751.7	3753734	0.0922	2.65	0.03754	0.83	484751.7	3753734	0.42	3.8931
484851.7	3753734	0.09055	2.60	0.04115	0.90	484851.7	3753734	0.44	3.9485
484951.7	3753734	0.10659	3.07	0.04547	1.00	484951.7	3753734	0.46	4.5277
485051.7	3753734	0.12545	3.61	0.05022	1.10	485051.7	3753734	0.48	5.1951
485151.7	3753734	0.13643	3.92	0.05365	1.18	485151.7	3753734	0.51	5.6160
485251.7	3753734	0.15519	4.46	0.05911	1.30	485251.7	3753734	0.53	6.2915
485351.7	3753734	0.16614	4.78	0.06376	1.40	485351.7	3753734	0.53	6.7053
485451.7	3753734	0.16872	4.85	0.06749	1.48	485451.7	3753734	0.44	6.7771
484551.7	3753834	0.08069	2.32	0.03492	0.77	484551.7	3753834	0.42	3.5044
484651.7	3753834	0.08011	2.30	0.03628	0.80	484651.7	3753834	0.43	3.5317
484751.7	3753834	0.08044	2.31	0.03889	0.85	484751.7	3753834	0.44	3.6113
484851.7	3753834	0.09148	2.63	0.04181	0.92	484851.7	3753834	0.46	4.0104
484951.7	3753834	0.10986	3.16	0.04613	1.01	484951.7	3753834	0.47	4.6437
485051.7	3753834	0.12498	3.59	0.04986	1.10	485051.7	3753834	0.50	5.1860
485151.7	3753834	0.13733	3.95	0.0534	1.17	485151.7	3753834	0.52	5.6481
485251.7	3753834	0.14819	4.26	0.0569	1.25	485251.7	3753834	0.55	6.0595
485351.7	3753834	0.15513	4.46	0.05941	1.31	485351.7	3753834	0.54	6.3118
485451.7	3753834	0.15078	4.34	0.06001	1.32	485451.7	3753834	0.49	6.1408
484551.7	3753934	0.06901	1.98	0.0334	0.73	484551.7	3753934	0.45	3.1686
484651.7	3753934	0.07151	2.06	0.03668	0.81	484651.7	3753934	0.45	3.3172
484751.7	3753934	0.08336	2.40	0.03953	0.87	484751.7	3753934	0.47	3.7414
484851.7	3753934	0.09763	2.81	0.04266	0.94	484851.7	3753934	0.49	4.2384
484951.7	3753934	0.11067	3.18	0.04551	1.00	484951.7	3753934	0.51	4.6971
485051.7	3753934	0.12612	3.63	0.04879	1.07	485051.7	3753934	0.53	5.2269
485151.7	3753934	0.13626	3.92	0.05101	1.12	485151.7	3753934	0.54	5.5805
485251.7	3753934	0.13535	3.89	0.05139	1.13	485251.7	3753934	0.57	5.5926

485351.7	3753934	0.13383	3.85	0.05075	1.12	485351.7	3753934	0.59	5.5540
485451.7	3753934	0.13073	3.76	0.04853	1.07	485451.7	3753934	0.54	5.3626
484551.7	3754034	0.06165	1.77	0.03405	0.75	484551.7	3754034	0.47	2.9951
484651.7	3754034	0.07776	2.24	0.03754	0.83	484651.7	3754034	0.48	3.5386
484751.7	3754034	0.0902	2.59	0.03988	0.88	484751.7	3754034	0.50	3.9722
484851.7	3754034	0.10351	2.98	0.04221	0.93	484851.7	3754034	0.53	4.4303
484951.7	3754034	0.11442	3.29	0.04399	0.97	484951.7	3754034	0.55	4.8104
485051.7	3754034	0.12153	3.50	0.04489	0.99	485051.7	3754034	0.58	5.0627
485151.7	3754034	0.12875	3.70	0.0452	0.99	485151.7	3754034	0.60	5.2986
485251.7	3754034	0.11896	3.42	0.04243	0.93	485251.7	3754034	0.64	4.9897
485351.7	3754034	0.12147	3.49	0.04373	0.96	485351.7	3754034	0.62	5.0753
485451.7	3754034	0.11731	3.37	0.04354	0.96	485451.7	3754034	0.60	4.9297
484551.7	3754134	0.06782	1.95	0.0343	0.75	484551.7	3754134	0.49	3.1923
484651.7	3754134	0.08194	2.36	0.03664	0.81	484651.7	3754134	0.50	3.6655
484751.7	3754134	0.0928	2.67	0.03805	0.84	484751.7	3754134	0.54	4.0414
484851.7	3754134	0.10283	2.96	0.03911	0.86	484851.7	3754134	0.56	4.3820
484951.7	3754134	0.11094	3.19	0.03947	0.87	484951.7	3754134	0.60	4.6537
485051.7	3754134	0.1158	3.33	0.03881	0.85	485051.7	3754134	0.63	4.8141
485151.7	3754134	0.11349	3.26	0.03832	0.84	485151.7	3754134	0.67	4.7812
485251.7	3754134	0.1069	3.07	0.03873	0.85	485251.7	3754134	0.72	4.6506
485351.7	3754134	0.10774	3.10	0.03832	0.84	485351.7	3754134	0.73	4.6668
485451.7	3754134	0.10049	2.89	0.04622	1.02	485451.7	3754134	0.64	4.5440
484551.7	3754234	0.07499	2.16	0.03341	0.73	484551.7	3754234	0.49	3.3804
484651.7	3754234	0.08359	2.40	0.03404	0.75	484651.7	3754234	0.53	3.6778
484751.7	3754234	0.09271	2.67	0.03454	0.76	484751.7	3754234	0.56	3.9845
484851.7	3754234	0.09897	2.85	0.03417	0.75	484851.7	3754234	0.60	4.1959
484951.7	3754234	0.10236	2.94	0.03324	0.73	484951.7	3754234	0.64	4.3181
485051.7	3754234	0.10198	2.93	0.03455	0.76	485051.7	3754234	0.70	4.3913
485151.7	3754234	0.10309	2.97	0.03496	0.77	485151.7	3754234	0.74	4.4717
485251.7	3754234	0.0983	2.83	0.0338	0.74	485251.7	3754234	0.81	4.3819
485351.7	3754234	0.09365	2.69	0.04162	0.91	485351.7	3754234	0.89	4.5017
485451.7	3754234	0.08672	2.49	0.05063	1.11	485451.7	3754234	0.93	4.5328
484551.7	3754334	0.07763	2.23	0.03071	0.67	484551.7	3754334	0.49	3.3990
484651.7	3754334	0.08532	2.45	0.03066	0.67	484651.7	3754334	0.52	3.6526
484751.7	3754334	0.08968	2.58	0.02972	0.65	484751.7	3754334	0.57	3.8001
484851.7	3754334	0.09199	2.65	0.03031	0.67	484851.7	3754334	0.62	3.9290
484951.7	3754334	0.09424	2.71	0.03123	0.69	484951.7	3754334	0.66	4.0575
485051.7	3754334	0.09389	2.70	0.03107	0.68	485051.7	3754334	0.72	4.1018
485151.7	3754334	0.09205	2.65	0.03063	0.67	485151.7	3754334	0.79	4.1093
485251.7	3754334	0.08436	2.43	0.03604	0.79	485251.7	3754334	0.91	4.1299
485351.7	3754334	0.07974	2.29	0.04477	0.98	485351.7	3754334	1.08	4.3567
485451.7	3754334	0.07552	2.17	0.05328	1.17	485451.7	3754334	1.54	4.8854
484551.7	3754434	0.07677	2.21	0.02693	0.59	484551.7	3754434	0.49	3.2916
484651.7	3754434	0.08243	2.37	0.02665	0.59	484651.7	3754434	0.52	3.4783
484751.7	3754434	0.08643	2.49	0.02788	0.61	484751.7	3754434	0.55	3.6531
484851.7	3754434	0.08832	2.54	0.02836	0.62	484851.7	3754434	0.60	3.7588
484951.7	3754434	0.08375	2.41	0.0275	0.60	484951.7	3754434	0.67	3.6858
485051.7	3754434	0.08266	2.38	0.0264	0.58	485051.7	3754434	0.73	3.6829
485151.7	3754434	0.07799	2.24	0.03203	0.70	485151.7	3754434	0.81	3.7581
485251.7	3754434	0.07284	2.10	0.03935	0.86	485251.7	3754434	0.94	3.8988
485351.7	3754434	0.06878	1.98	0.04804	1.06	485351.7	3754434	1.15	4.1848
485451.7	3754434	0.07376	2.12	0.05573	1.22	485451.7	3754434	1.68	5.0230
484551.7	3754534	0.07485	2.15	0.02449	0.54	484551.7	3754534	0.55	3.2366
484651.7	3754534	0.07639	2.20	0.02514	0.55	484651.7	3754534	0.59	3.3435
484751.7	3754534	0.08234	2.37	0.02579	0.57	484751.7	3754534	0.62	3.5509
484851.7	3754534	0.08126	2.34	0.02516	0.55	484851.7	3754534	0.68	3.5676
484951.7	3754534	0.07732	2.22	0.02381	0.52	484951.7	3754534	0.76	3.5102
485051.7	3754534	0.06967	2.00	0.02749	0.60	485051.7	3754534	0.87	3.4818
485151.7	3754534	0.06722	1.93	0.035	0.77	485151.7	3754534	0.96	3.6600
485251.7	3754534	0.06101	1.75	0.04186	0.92	485251.7	3754534	1.10	3.7794
485351.7	3754534	0.06786	1.95	0.04968	1.09	485351.7	3754534	1.30	4.3449
485451.7	3754534	0.07229	2.08	0.05757	1.27	485451.7	3754534	1.73	5.0721
484551.7	3754634	0.07235	2.08	0.02322	0.51	484551.7	3754634	0.61	3.2049
484651.7	3754634	0.07351	2.11	0.02324	0.51	484651.7	3754634	0.67	3.2901
484751.7	3754634	0.07567	2.18	0.02284	0.50	484751.7	3754634	0.70	3.3794
484851.7	3754634	0.07093	2.04	0.02116	0.47	484851.7	3754634	0.79	3.2934
484951.7	3754634	0.06447	1.85	0.02455	0.54	484951.7	3754634	0.87	3.2687
485051.7	3754634	0.06265	1.80	0.03152	0.69	485051.7	3754634	0.94	3.4352
485151.7	3754634	0.05748	1.65	0.03839	0.84	485151.7	3754634	1.03	3.5250
485251.7	3754634	0.06183	1.78	0.04568	1.00	485251.7	3754634	1.13	3.9135
485351.7	3754634	0.06692	1.92	0.05023	1.10	485351.7	3754634	1.35	4.3819
485451.7	3754634	0.06863	1.97	0.05272	1.16	485451.7	3754634	1.83	4.9621
485549.5	3750935	0.07242	2.08	0.03241	0.71	485549.5	3750935	0.19	2.9838
485649.5	3750935	0.0661	1.90	0.03218	0.71	485649.5	3750935	0.19	2.7938
485749.5	3750935	0.07173	2.06	0.03363	0.74	485749.5	3750935	0.17	2.9752
485849.5	3750935	0.06868	1.98	0.03602	0.79	485849.5	3750935	0.17	2.9342
485549.5	3751035	0.08411	2.42	0.03432	0.75	485549.5	3751035	0.19	3.3653
485649.5	3751035	0.07152	2.06	0.0332	0.73	485649.5	3751035	0.19	2.9813
485749.5	3751035	0.07527	2.16	0.03524	0.77	485749.5	3751035	0.18	3.1158
485849.5	3751035	0.07489	2.15	0.0366	0.80	485849.5	3751035	0.18	3.1339
485549.5	3751135	0.09514	2.74	0.03364	0.74	485549.5	3751135	0.20	3.6710
485649.5	3751135	0.08402	2.42	0.0363	0.80	485649.5	3751135	0.20	3.4176
485749.5	3751135	0.07818	2.25	0.03509	0.77	485749.5	3751135	0.18	3.1994
485849.5	3751135	0.08085	2.33	0.03777	0.83	485849.5	3751135	0.18	3.3380
485549.5	3751235	0.10425	3.00	0.03023	0.66	485549.5	3751235	0.20	3.8614
485649.5	3751235	0.09785	2.81	0.03671	0.81	485649.5	3751235	0.21	3.8328
485749.5	3751235	0.08355	2.40	0.03814	0.84	485749.5	3751235	0.20	3.4382
485849.5	3751235	0.0868	2.50	0.0391	0.86	485849.5	3751235	0.19	3.5477
485549.5	3751335	0.11027	3.17	0.02476	0.54	485549.5	3751335	0.21	3.9305
485649.5	3751335	0.11136	3.20	0.0341	0.75	485649.5	3751335	0.22	4.1731
485749.5	3751335	0.1001	2.88	0.03996	0.88	485749.5	3751335	0.22	3.9734
485849.5	3751335	0.09254	2.66	0.0397	0.87	485849.5	3751335	0.21	3.7416
485549.5	3751435	0.11282	3.24	0.02226	0.49	485549.5	3751435	0.23	3.9680
485649.5	3751435	0.12305	3.54	0.02887	0.63	485649.5	3751435	0.23	4.4043
485749.5	3751435	0.11781	3.39	0.03837	0.84	485749.5	3751435	0.24	4.4683
485849.5	3751435	0.10108	2.91	0.04314	0.95	485849.5	3751435	0.23	4.0810

485549.5	3751535	0.11737	3.38	0.0229	0.50	485549.5	3751535	0.26	4.1386
485649.5	3751535	0.13172	3.79	0.02398	0.53	485649.5	3751535	0.25	4.5653
485749.5	3751535	0.13558	3.90	0.03349	0.74	485749.5	3751535	0.27	4.9026
485849.5	3751535	0.1229	3.53	0.04291	0.94	485849.5	3751535	0.25	4.7245
485549.5	3751635	0.12819	3.69	0.02476	0.54	485549.5	3751635	0.35	4.5849
485649.5	3751635	0.13485	3.88	0.02475	0.54	485649.5	3751635	0.31	4.7341
485749.5	3751635	0.15106	4.34	0.0268	0.59	485749.5	3751635	0.31	5.2454
485849.5	3751635	0.14565	4.19	0.03858	0.85	485849.5	3751635	0.26	5.3020
485549.5	3751735	0.16072	4.62	0.03588	0.79	485549.5	3751735	0.40	5.8135
485649.5	3751735	0.16683	4.80	0.03362	0.74	485649.5	3751735	0.41	5.9439
485749.5	3751735	0.16245	4.67	0.02704	0.59	485749.5	3751735	0.37	5.6406
485849.5	3751735	0.16882	4.86	0.03142	0.69	485849.5	3751735	0.31	5.8561
485549.5	3751835	0.17681	5.09	0.05022	1.10	485549.5	3751835	0.42	6.6118
485649.5	3751835	0.18128	5.21	0.03898	0.86	485649.5	3751835	0.43	6.5021
485749.5	3751835	0.17108	4.92	0.03313	0.73	485749.5	3751835	0.45	6.0949
485849.5	3751835	0.19262	5.54	0.0296	0.65	485849.5	3751835	0.42	6.6099
485549.5	3751935	0.16138	4.64	0.06068	1.33	485549.5	3751935	0.44	6.4122
485649.5	3751935	0.222	6.39	0.06162	1.35	485649.5	3751935	0.47	8.2136
485749.5	3751935	0.23708	6.82	0.05379	1.18	485749.5	3751935	0.51	8.5094
485849.5	3751935	0.22029	6.34	0.0392	0.86	485849.5	3751935	0.53	7.7286
485549.5	3752035	0.23297	6.70	0.0693	1.52	485549.5	3752035	0.46	8.6808
485649.5	3752035	0.2308	6.64	0.073	1.60	485649.5	3752035	0.51	8.7517
485749.5	3752035	0.26726	7.69	0.07227	1.59	485749.5	3752035	0.55	9.8246
485849.5	3752035	0.24834	7.14	0.0579	1.27	485849.5	3752035	0.60	9.0195
485549.5	3752135	0.30366	8.73	0.07402	1.63	485549.5	3752135	0.47	10.8335
485649.5	3752135	0.31989	9.20	0.08055	1.77	485649.5	3752135	0.54	11.5132
485749.5	3752135	0.33121	9.53	0.08581	1.89	485749.5	3752135	0.61	12.0259
485849.5	3752135	0.33881	9.75	0.08701	1.91	485849.5	3752135	0.73	12.3892
485549.5	3752235	0.319	9.18	0.06954	1.53	485549.5	3752235	0.47	11.1751
485649.5	3752235	0.36851	10.60	0.08226	1.81	485649.5	3752235	0.55	12.9567
485749.5	3752235	0.42748	12.30	0.0918	2.02	485749.5	3752235	0.65	14.9623
485849.5	3752235	0.40996	11.79	0.09613	2.11	485849.5	3752235	0.84	14.7472
485549.5	3752335	0.31835	9.16	0.06641	1.46	485549.5	3752335	0.49	11.1032
485649.5	3752335	0.37166	10.69	0.07653	1.68	485649.5	3752335	0.54	12.9162
485749.5	3752335	0.44183	12.71	0.08774	1.93	485749.5	3752335	0.66	15.2997
485849.5	3752335	0.49331	14.19	0.10287	2.26	485849.5	3752335	0.95	17.3960
485549.5	3752435	0.29567	8.50	0.06042	1.33	485549.5	3752435	0.50	10.3291
485649.5	3752435	0.35524	10.22	0.07073	1.55	485649.5	3752435	0.55	12.3265
485749.5	3752435	0.43663	12.56	0.08357	1.84	485749.5	3752435	0.67	15.0631
485849.5	3752435	0.57744	16.61	0.09806	2.16	485849.5	3752435	0.95	19.7127
485549.5	3752535	0.25708	7.39	0.05265	1.16	485549.5	3752535	0.51	9.0606
485649.5	3752535	0.32223	9.27	0.06211	1.37	485649.5	3752535	0.57	11.2040
485749.5	3752535	0.40285	11.59	0.07416	1.63	485749.5	3752535	0.68	13.8947
485849.5	3752535	0.53603	15.42	0.08961	1.97	485849.5	3752535	0.93	18.3182
485549.5	3752635	0.23958	6.89	0.04349	0.96	485549.5	3752635	0.52	8.3634
485649.5	3752635	0.29339	8.44	0.0518	1.14	485649.5	3752635	0.59	10.1696
485749.5	3752635	0.36335	10.45	0.06244	1.37	485749.5	3752635	0.70	12.5267
485849.5	3752635	0.48694	14.01	0.07608	1.67	485849.5	3752635	0.96	16.6367
485549.5	3752735	0.27882	8.02	0.04137	0.91	485549.5	3752735	0.53	9.4553
485649.5	3752735	0.32962	9.48	0.04626	1.02	485649.5	3752735	0.60	11.1019
485749.5	3752735	0.40331	11.60	0.05207	1.14	485749.5	3752735	0.73	13.4702
485849.5	3752735	0.52677	15.15	0.05984	1.32	485849.5	3752735	0.97	17.4379
485549.5	3752835	0.30157	8.67	0.04368	0.96	485549.5	3752835	0.53	10.1611
485649.5	3752835	0.35514	10.21	0.04734	1.04	485649.5	3752835	0.61	11.8650
485749.5	3752835	0.4348	12.51	0.05167	1.14	485749.5	3752835	0.74	14.3859
485849.5	3752835	0.56632	16.29	0.05674	1.25	485849.5	3752835	1.01	18.5464
485549.5	3752935	0.31094	8.94	0.0496	1.09	485549.5	3752935	0.53	10.5636
485649.5	3752935	0.36297	10.44	0.05542	1.22	485649.5	3752935	0.62	12.2827
485749.5	3752935	0.43346	12.47	0.0621	1.36	485749.5	3752935	0.74	14.5758
485849.5	3752935	0.55594	15.99	0.07045	1.55	485849.5	3752935	1.03	18.5640
485549.5	3753035	0.30426	8.75	0.0567	1.25	485549.5	3753035	0.53	10.5261
485649.5	3753035	0.34778	10.00	0.06427	1.41	485649.5	3753035	0.65	12.0627
485749.5	3753035	0.39975	11.50	0.07462	1.64	485749.5	3753035	0.77	13.9112
485849.5	3753035	0.52269	15.03	0.08789	1.93	485849.5	3753035	1.05	18.0192
485549.5	3753135	0.2774	7.98	0.06549	1.44	485549.5	3753135	0.53	9.9464
485649.5	3753135	0.30414	8.75	0.07544	1.66	485649.5	3753135	0.65	11.0568
485749.5	3753135	0.37787	10.87	0.08803	1.93	485749.5	3753135	0.78	13.5851
485849.5	3753135	0.4357	12.53	0.10409	2.29	485849.5	3753135	1.06	15.8758
485549.5	3753235	0.25264	7.27	0.07327	1.61	485549.5	3753235	0.54	9.4213
485649.5	3753235	0.30339	8.73	0.08566	1.88	485649.5	3753235	0.65	11.2564
485749.5	3753235	0.34178	9.83	0.09846	2.16	485749.5	3753235	0.77	12.7618
485849.5	3753235	0.35373	10.17	0.11516	2.53	485849.5	3753235	1.00	13.7015
485549.5	3753335	0.25485	7.33	0.07998	1.76	485549.5	3753335	0.57	9.6532
485649.5	3753335	0.28005	8.05	0.09033	1.99	485649.5	3753335	0.65	10.6895
485749.5	3753335	0.29436	8.47	0.10334	2.27	485749.5	3753335	0.74	11.4816
485849.5	3753335	0.29206	8.40	0.1202	2.64	485849.5	3753335	0.93	11.9757
485549.5	3753435	0.23991	6.90	0.08257	1.81	485549.5	3753435	0.62	9.3325
485649.5	3753435	0.24802	7.13	0.09264	2.04	485649.5	3753435	0.69	9.8625
485749.5	3753435	0.24913	7.17	0.10139	2.23	485749.5	3753435	0.77	10.1669
485849.5	3753435	0.24555	7.06	0.11152	2.45	485849.5	3753435	0.91	10.4186
485619.4	3753970	0.11927	3.43	0.05779	1.27	485619.4	3753970	0.91	5.6154
485713	3753962	0.11208	3.22	0.06977	1.53	485713	3753962	1.02	5.7744
487190.9	3754410	0.1028	2.96	0.08991	1.98	487190.9	3754410	7.44	12.3745
487194.8	3754289	0.10303	2.96	0.10017	2.20	487194.8	3754289	4.33	9.4967
487268.8	3754091	0.13507	3.88	0.10226	2.25	487268.8	3754091	2.62	8.7551
487483.3	3754102	0.11924	3.43	0.0783	1.72	487483.3	3754102	1.97	7.1217

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** Lakes Environmental AERMOD MPI
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 8.0.7
** Lakes Environmental Software Inc.
** Date: 12/19/2012
** File: C:\MBA\Highland Fairview REV3 - All Sources\AERMOD-REV3\LST-AERMOD-2017\LST_PM10_REV3_NR_REV1\LST_PM10_REV3_NR_REV1.ADI
**
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** AERMOD Control Pathway
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**
**
CO STARTING
   TITLEONE World Logistics Center -Project-Related  LST Assessment 2017
   TITLETWO PM10 (No Refrigeration)
   MODELOPT CONC  FASTALL
   AVERTIME 24 ANNUAL
   URBANOPT 2000000
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL LST_PM10_REV3_NR_REV1.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION PHASE1       AREAPOLY   485577.456  3755020.364      527.630
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT01
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.0304
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 2
** 487123.57, 3755422.68, 541.00, 1.30, 27.35
** 487123.57, 3755095.72, 532.00, 1.30, 27.35
** ---------------------------------------------------------------------
   LOCATION L0114018     VOLUME   487123.570 3755406.219 540.55
   LOCATION L0114019     VOLUME   487123.570 3755347.411 538.93
   LOCATION L0114020     VOLUME   487123.570 3755288.602 537.31
   LOCATION L0114021     VOLUME   487123.570 3755229.793 535.69
   LOCATION L0114022     VOLUME   487123.570 3755170.984 534.07
   LOCATION L0114023     VOLUME   487123.570 3755112.176 532.45
** End of LINE VOLUME Source ID = SEGMENT01
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT02
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.0558
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 2
** 487126.15, 3755058.81, 532.00, 1.30, 30.03
** 487128.77, 3754444.85, 508.00, 1.30, 30.03
** ---------------------------------------------------------------------
   LOCATION L0114024     VOLUME   487126.220 3755042.351 531.36
   LOCATION L0114025     VOLUME   487126.496 3754977.791 528.83
   LOCATION L0114026     VOLUME   487126.772 3754913.230 526.31
   LOCATION L0114027     VOLUME   487127.048 3754848.670 523.79
   LOCATION L0114028     VOLUME   487127.324 3754784.110 521.26
   LOCATION L0114029     VOLUME   487127.600 3754719.550 518.74
   LOCATION L0114030     VOLUME   487127.876 3754654.990 516.21
   LOCATION L0114031     VOLUME   487128.151 3754590.429 513.69
   LOCATION L0114032     VOLUME   487128.427 3754525.869 511.17
   LOCATION L0114033     VOLUME   487128.703 3754461.309 508.64
** End of LINE VOLUME Source ID = SEGMENT02
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT03
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0608
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 4
** 487123.53, 3754444.85, 511.00, 1.30, 18.01
** 486186.84, 3754452.72, 516.00, 1.30, 18.01
** 486042.53, 3754366.14, 509.00, 1.30, 18.01
** 486008.42, 3754297.92, 511.00, 1.30, 18.01
** ---------------------------------------------------------------------
   LOCATION L0112145     VOLUME   487113.771 3754444.931 507.75
   LOCATION L0112146     VOLUME   487075.047 3754445.256 511.34
   LOCATION L0112147     VOLUME   487036.323 3754445.582 512.10
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   LOCATION L0112148     VOLUME   486997.599 3754445.907 512.15
   LOCATION L0112149     VOLUME   486958.875 3754446.233 513.24
   LOCATION L0112150     VOLUME   486920.150 3754446.558 514.00
   LOCATION L0112151     VOLUME   486881.426 3754446.884 514.76
   LOCATION L0112152     VOLUME   486842.702 3754447.209 515.93
   LOCATION L0112153     VOLUME   486803.978 3754447.534 515.40
   LOCATION L0112154     VOLUME   486765.253 3754447.860 516.13
   LOCATION L0112155     VOLUME   486726.529 3754448.185 515.70
   LOCATION L0112156     VOLUME   486687.805 3754448.511 514.26
   LOCATION L0112157     VOLUME   486649.081 3754448.836 514.26
   LOCATION L0112158     VOLUME   486610.357 3754449.161 514.89
   LOCATION L0112159     VOLUME   486571.632 3754449.487 515.30
   LOCATION L0112160     VOLUME   486532.908 3754449.812 514.65
   LOCATION L0112161     VOLUME   486494.184 3754450.138 515.02
   LOCATION L0112162     VOLUME   486455.460 3754450.463 514.53
   LOCATION L0112163     VOLUME   486416.735 3754450.788 513.36
   LOCATION L0112164     VOLUME   486378.011 3754451.114 513.37
   LOCATION L0112165     VOLUME   486339.287 3754451.439 514.07
   LOCATION L0112166     VOLUME   486300.563 3754451.765 514.99
   LOCATION L0112167     VOLUME   486261.839 3754452.090 516.27
   LOCATION L0112168     VOLUME   486223.114 3754452.416 516.77
   LOCATION L0112169     VOLUME   486184.739 3754451.459 514.93
   LOCATION L0112170     VOLUME   486151.532 3754431.535 512.54
   LOCATION L0112171     VOLUME   486118.325 3754411.611 510.16
   LOCATION L0112172     VOLUME   486085.119 3754391.687 509.33
   LOCATION L0112173     VOLUME   486051.912 3754371.763 509.00
   LOCATION L0112174     VOLUME   486030.106 3754341.280 509.29
   LOCATION L0112175     VOLUME   486012.788 3754306.643 509.94
** End of LINE VOLUME Source ID = SEGMENT03
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT04
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.00754
** Elevated
** Vertical Dimension = 1.20
** SZINIT = 0.28
** Nodes = 3
** 486005.80, 3754303.17, 511.00, 1.20, 17.72
** 485997.93, 3753510.79, 496.00, 1.20, 17.72
** 486071.40, 3753390.09, 494.00, 1.20, 17.72
** ----------------------------------------------------------------------
   LOCATION L0113629     VOLUME   486005.704 3754293.411 510.63
   LOCATION L0113630     VOLUME   486005.326 3754255.321 509.54
   LOCATION L0113631     VOLUME   486004.948 3754217.231 507.64
   LOCATION L0113632     VOLUME   486004.569 3754179.142 507.85
   LOCATION L0113633     VOLUME   486004.191 3754141.052 508.00
   LOCATION L0113634     VOLUME   486003.812 3754102.962 506.84
   LOCATION L0113635     VOLUME   486003.434 3754064.872 506.32
   LOCATION L0113636     VOLUME   486003.056 3754026.782 505.20
   LOCATION L0113637     VOLUME   486002.677 3753988.692 504.96
   LOCATION L0113638     VOLUME   486002.299 3753950.603 504.05
   LOCATION L0113639     VOLUME   486001.921 3753912.513 503.42
   LOCATION L0113640     VOLUME   486001.542 3753874.423 502.15
   LOCATION L0113641     VOLUME   486001.164 3753836.333 500.88
   LOCATION L0113642     VOLUME   486000.785 3753798.243 499.60
   LOCATION L0113643     VOLUME   486000.407 3753760.153 499.65
   LOCATION L0113644     VOLUME   486000.029 3753722.064 501.86
   LOCATION L0113645     VOLUME   485999.650 3753683.974 501.59
   LOCATION L0113646     VOLUME   485999.272 3753645.884 499.01
   LOCATION L0113647     VOLUME   485998.894 3753607.794 496.47
   LOCATION L0113648     VOLUME   485998.515 3753569.704 495.96
   LOCATION L0113649     VOLUME   485998.137 3753531.614 496.53
   LOCATION L0113650     VOLUME   486006.906 3753496.041 495.32
   LOCATION L0113651     VOLUME   486026.712 3753463.503 492.84
   LOCATION L0113652     VOLUME   486046.518 3753430.965 491.43
   LOCATION L0113653     VOLUME   486066.323 3753398.427 492.30
** End of LINE VOLUME Source ID = SEGMENT04
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT05
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.01
** Elevated
** Vertical Dimension = 1.20
** SZINIT = 0.28
** Nodes = 4
** 486071.40, 3753390.09, 494.00, 1.20, 24.05
** 486147.48, 3753361.23, 495.00, 1.20, 24.05
** 486743.08, 3753353.36, 496.00, 1.20, 24.05
** 487118.28, 3753274.65, 490.00, 1.20, 24.05
** ----------------------------------------------------------------------
   LOCATION L0114034     VOLUME   486083.649 3753385.447 494.16
   LOCATION L0114035     VOLUME   486131.996 3753367.108 494.80
   LOCATION L0114036     VOLUME   486182.626 3753360.769 495.06
   LOCATION L0114037     VOLUME   486234.330 3753360.085 495.15
   LOCATION L0114038     VOLUME   486286.035 3753359.402 495.23
   LOCATION L0114039     VOLUME   486337.740 3753358.719 495.32
   LOCATION L0114040     VOLUME   486389.444 3753358.035 495.41
   LOCATION L0114041     VOLUME   486441.149 3753357.352 495.49
   LOCATION L0114042     VOLUME   486492.853 3753356.669 495.58
   LOCATION L0114043     VOLUME   486544.558 3753355.985 495.67
   LOCATION L0114044     VOLUME   486596.263 3753355.302 495.75
   LOCATION L0114045     VOLUME   486647.967 3753354.619 495.84
   LOCATION L0114046     VOLUME   486699.672 3753353.936 495.93
   LOCATION L0114047     VOLUME   486751.201 3753351.658 495.87
   LOCATION L0114048     VOLUME   486801.808 3753341.041 495.06
   LOCATION L0114049     VOLUME   486852.415 3753330.424 494.25
   LOCATION L0114050     VOLUME   486903.023 3753319.807 493.44
   LOCATION L0114051     VOLUME   486953.630 3753309.190 492.63
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   LOCATION L0114052     VOLUME   487004.238 3753298.573 491.82
   LOCATION L0114053     VOLUME   487054.845 3753287.956 491.01
   LOCATION L0114054     VOLUME   487105.453 3753277.340 490.21
** End of LINE VOLUME Source ID = SEGMENT05
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT06
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.0304
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 2
** 487123.53, 3754450.10, 512.00, 1.30, 29.19
** 487105.16, 3753287.77, 490.00, 1.30, 29.19
** ---------------------------------------------------------------------
   LOCATION L0114055     VOLUME   487123.266 3754433.639 511.69
   LOCATION L0114056     VOLUME   487122.275 3754370.893 510.50
   LOCATION L0114057     VOLUME   487121.283 3754308.148 509.31
   LOCATION L0114058     VOLUME   487120.292 3754245.403 508.13
   LOCATION L0114059     VOLUME   487119.300 3754182.658 506.94
   LOCATION L0114060     VOLUME   487118.309 3754119.913 505.75
   LOCATION L0114061     VOLUME   487117.317 3754057.168 504.56
   LOCATION L0114062     VOLUME   487116.326 3753994.422 503.38
   LOCATION L0114063     VOLUME   487115.334 3753931.677 502.19
   LOCATION L0114064     VOLUME   487114.343 3753868.932 501.00
   LOCATION L0114065     VOLUME   487113.351 3753806.187 499.81
   LOCATION L0114066     VOLUME   487112.360 3753743.442 498.62
   LOCATION L0114067     VOLUME   487111.369 3753680.697 497.44
   LOCATION L0114068     VOLUME   487110.377 3753617.951 496.25
   LOCATION L0114069     VOLUME   487109.386 3753555.206 495.06
   LOCATION L0114070     VOLUME   487108.394 3753492.461 493.87
   LOCATION L0114071     VOLUME   487107.403 3753429.716 492.69
   LOCATION L0114072     VOLUME   487106.411 3753366.971 491.50
   LOCATION L0114073     VOLUME   487105.420 3753304.226 490.31
** End of LINE VOLUME Source ID = SEGMENT06
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT07
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 487102.54, 3753300.89, 489.00, 1.00, 29.21
** 487105.16, 3752765.64, 483.00, 1.00, 29.21
** ---------------------------------------------------------------------
   LOCATION L0112754     VOLUME   487102.617 3753284.427 489.25
   LOCATION L0112755     VOLUME   487102.924 3753221.636 489.56
   LOCATION L0112756     VOLUME   487103.232 3753158.844 486.75
   LOCATION L0112757     VOLUME   487103.540 3753096.053 485.78
   LOCATION L0112758     VOLUME   487103.848 3753033.262 484.98
   LOCATION L0112759     VOLUME   487104.156 3752970.471 486.98
   LOCATION L0112760     VOLUME   487104.463 3752907.680 484.85
   LOCATION L0112761     VOLUME   487104.771 3752844.889 483.17
   LOCATION L0112762     VOLUME   487105.079 3752782.098 483.74
** End of LINE VOLUME Source ID = SEGMENT07
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT08
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0164
** Elevated
** Vertical Dimension = 1.20
** SZINIT = 0.28
** Nodes = 3
** 486074.02, 3753392.72, 494.00, 1.20, 18.01
** 485979.56, 3753190.69, 490.00, 1.20, 18.01
** 485959.38, 3752271.31, 509.00, 1.20, 18.01
** ---------------------------------------------------------------------
   LOCATION L0112250     VOLUME   486069.888 3753383.881 492.66
   LOCATION L0112251     VOLUME   486053.485 3753348.798 491.27
   LOCATION L0112252     VOLUME   486037.083 3753313.715 490.52
   LOCATION L0112253     VOLUME   486020.680 3753278.632 490.29
   LOCATION L0112254     VOLUME   486004.278 3753243.549 490.00
   LOCATION L0112255     VOLUME   485987.875 3753208.466 489.60
   LOCATION L0112256     VOLUME   485979.144 3753171.590 489.02
   LOCATION L0112257     VOLUME   485978.294 3753132.871 488.12
   LOCATION L0112258     VOLUME   485977.445 3753094.153 488.21
   LOCATION L0112259     VOLUME   485976.595 3753055.434 489.37
   LOCATION L0112260     VOLUME   485975.745 3753016.715 490.11
   LOCATION L0112261     VOLUME   485974.895 3752977.997 490.00
   LOCATION L0112262     VOLUME   485974.045 3752939.278 489.00
   LOCATION L0112263     VOLUME   485973.195 3752900.559 489.00
   LOCATION L0112264     VOLUME   485972.345 3752861.841 489.00
   LOCATION L0112265     VOLUME   485971.495 3752823.122 489.00
   LOCATION L0112266     VOLUME   485970.646 3752784.403 488.77
   LOCATION L0112267     VOLUME   485969.796 3752745.684 487.04
   LOCATION L0112268     VOLUME   485968.946 3752706.966 485.22
   LOCATION L0112269     VOLUME   485968.096 3752668.247 486.17
   LOCATION L0112270     VOLUME   485967.246 3752629.528 488.82
   LOCATION L0112271     VOLUME   485966.396 3752590.810 490.12
   LOCATION L0112272     VOLUME   485965.546 3752552.091 495.23
   LOCATION L0112273     VOLUME   485964.696 3752513.372 496.37
   LOCATION L0112274     VOLUME   485963.846 3752474.654 496.10
   LOCATION L0112275     VOLUME   485962.997 3752435.935 496.42
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   LOCATION L0112276     VOLUME   485962.147 3752397.216 498.83
   LOCATION L0112277     VOLUME   485961.297 3752358.498 500.09
   LOCATION L0112278     VOLUME   485960.447 3752319.779 500.68
   LOCATION L0112279     VOLUME   485959.597 3752281.060 501.95
** End of LINE VOLUME Source ID = SEGMENT08
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT11
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.00525
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 485510.85, 3754275.79, 515.00, 1.00, 15.74
** 485509.55, 3753074.46, 494.00, 1.00, 15.74
** ---------------------------------------------------------------------
   LOCATION L0114074     VOLUME   485510.839 3754267.258 514.85
   LOCATION L0114075     VOLUME   485510.802 3754233.422 514.26
   LOCATION L0114076     VOLUME   485510.765 3754199.586 513.67
   LOCATION L0114077     VOLUME   485510.729 3754165.750 513.08
   LOCATION L0114078     VOLUME   485510.692 3754131.914 512.48
   LOCATION L0114079     VOLUME   485510.655 3754098.078 511.89
   LOCATION L0114080     VOLUME   485510.619 3754064.242 511.30
   LOCATION L0114081     VOLUME   485510.582 3754030.406 510.71
   LOCATION L0114082     VOLUME   485510.545 3753996.570 510.12
   LOCATION L0114083     VOLUME   485510.509 3753962.734 509.53
   LOCATION L0114084     VOLUME   485510.472 3753928.898 508.94
   LOCATION L0114085     VOLUME   485510.436 3753895.062 508.34
   LOCATION L0114086     VOLUME   485510.399 3753861.226 507.75
   LOCATION L0114087     VOLUME   485510.362 3753827.390 507.16
   LOCATION L0114088     VOLUME   485510.326 3753793.554 506.57
   LOCATION L0114089     VOLUME   485510.289 3753759.718 505.98
   LOCATION L0114090     VOLUME   485510.252 3753725.882 505.39
   LOCATION L0114091     VOLUME   485510.216 3753692.046 504.80
   LOCATION L0114092     VOLUME   485510.179 3753658.210 504.20
   LOCATION L0114093     VOLUME   485510.142 3753624.374 503.61
   LOCATION L0114094     VOLUME   485510.106 3753590.538 503.02
   LOCATION L0114095     VOLUME   485510.069 3753556.702 502.43
   LOCATION L0114096     VOLUME   485510.032 3753522.866 501.84
   LOCATION L0114097     VOLUME   485509.996 3753489.030 501.25
   LOCATION L0114098     VOLUME   485509.959 3753455.194 500.66
   LOCATION L0114099     VOLUME   485509.922 3753421.357 500.06
   LOCATION L0114100     VOLUME   485509.886 3753387.521 499.47
   LOCATION L0114101     VOLUME   485509.849 3753353.685 498.88
   LOCATION L0114102     VOLUME   485509.812 3753319.849 498.29
   LOCATION L0114103     VOLUME   485509.776 3753286.013 497.70
   LOCATION L0114104     VOLUME   485509.739 3753252.177 497.11
   LOCATION L0114105     VOLUME   485509.702 3753218.341 496.52
   LOCATION L0114106     VOLUME   485509.666 3753184.505 495.92
   LOCATION L0114107     VOLUME   485509.629 3753150.669 495.33
   LOCATION L0114108     VOLUME   485509.592 3753116.833 494.74
   LOCATION L0114109     VOLUME   485509.556 3753082.997 494.15
** End of LINE VOLUME Source ID = SEGMENT11
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT12
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.00895
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 2
** 485533.45, 3755091.71, 532.00, 1.30, 15.63
** 485515.75, 3754268.39, 515.00, 1.30, 15.63
** ---------------------------------------------------------------------
   LOCATION L0113730     VOLUME   485533.265 3755083.180 531.19
   LOCATION L0113731     VOLUME   485532.543 3755049.586 528.80
   LOCATION L0113732     VOLUME   485531.821 3755015.992 528.21
   LOCATION L0113733     VOLUME   485531.099 3754982.399 528.02
   LOCATION L0113734     VOLUME   485530.377 3754948.805 526.65
   LOCATION L0113735     VOLUME   485529.654 3754915.211 525.38
   LOCATION L0113736     VOLUME   485528.932 3754881.617 522.89
   LOCATION L0113737     VOLUME   485528.210 3754848.023 520.45
   LOCATION L0113738     VOLUME   485527.488 3754814.429 523.22
   LOCATION L0113739     VOLUME   485526.766 3754780.835 526.04
   LOCATION L0113740     VOLUME   485526.044 3754747.241 526.70
   LOCATION L0113741     VOLUME   485525.321 3754713.647 524.19
   LOCATION L0113742     VOLUME   485524.599 3754680.053 521.85
   LOCATION L0113743     VOLUME   485523.877 3754646.460 521.76
   LOCATION L0113744     VOLUME   485523.155 3754612.866 522.11
   LOCATION L0113745     VOLUME   485522.433 3754579.272 522.18
   LOCATION L0113746     VOLUME   485521.711 3754545.678 519.09
   LOCATION L0113747     VOLUME   485520.988 3754512.084 515.25
   LOCATION L0113748     VOLUME   485520.266 3754478.490 514.73
   LOCATION L0113749     VOLUME   485519.544 3754444.896 516.68
   LOCATION L0113750     VOLUME   485518.822 3754411.302 517.04
   LOCATION L0113751     VOLUME   485518.100 3754377.708 515.99
   LOCATION L0113752     VOLUME   485517.378 3754344.114 515.07
   LOCATION L0113753     VOLUME   485516.655 3754310.520 515.00
   LOCATION L0113754     VOLUME   485515.933 3754276.927 514.56
** End of LINE VOLUME Source ID = SEGMENT12
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT14
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0
```

```
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 485503.72, 3755054.30, 532.00, 1.00, 23.83
** 486400.84, 3755050.67, 532.00, 1.00, 23.83
** ----------------------------------------------------------------------
   LOCATION L0112824     VOLUME   485516.820 3755054.250 529.90
   LOCATION L0112825     VOLUME   485568.051 3755054.043 528.58
   LOCATION L0112826     VOLUME   485619.281 3755053.835 530.77
   LOCATION L0112827     VOLUME   485670.512 3755053.628 532.50
   LOCATION L0112828     VOLUME   485721.742 3755053.421 534.25
   LOCATION L0112829     VOLUME   485772.972 3755053.213 531.14
   LOCATION L0112830     VOLUME   485824.203 3755053.006 529.49
   LOCATION L0112831     VOLUME   485875.433 3755052.798 529.85
   LOCATION L0112832     VOLUME   485926.663 3755052.591 530.93
   LOCATION L0112833     VOLUME   485977.894 3755052.384 529.69
   LOCATION L0112834     VOLUME   486029.124 3755052.176 529.39
   LOCATION L0112835     VOLUME   486080.355 3755051.969 529.54
   LOCATION L0112836     VOLUME   486131.585 3755051.761 529.54
   LOCATION L0112837     VOLUME   486182.815 3755051.554 530.26
   LOCATION L0112838     VOLUME   486234.046 3755051.346 527.40
   LOCATION L0112839     VOLUME   486285.276 3755051.139 527.00
   LOCATION L0112840     VOLUME   486336.506 3755050.932 526.50
   LOCATION L0112841     VOLUME   486387.737 3755050.724 527.33
** End of LINE VOLUME Source ID = SEGMENT14
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT15
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0107
** Elevated
** Vertical Dimension = 1.40
** SZINIT = 0.33
** Nodes = 2
** 486385.45, 3755051.87, 530.00, 1.40, 23.51
** 487119.32, 3755045.18, 533.00, 1.40, 23.51
** ----------------------------------------------------------------------
   LOCATION L0114110     VOLUME   486398.558 3755051.755 530.05
   LOCATION L0114111     VOLUME   486449.105 3755051.294 530.26
   LOCATION L0114112     VOLUME   486499.652 3755050.833 530.47
   LOCATION L0114113     VOLUME   486550.198 3755050.372 530.67
   LOCATION L0114114     VOLUME   486600.745 3755049.911 530.88
   LOCATION L0114115     VOLUME   486651.292 3755049.450 531.09
   LOCATION L0114116     VOLUME   486701.838 3755048.989 531.29
   LOCATION L0114117     VOLUME   486752.385 3755048.528 531.50
   LOCATION L0114118     VOLUME   486802.931 3755048.067 531.71
   LOCATION L0114119     VOLUME   486853.478 3755047.607 531.91
   LOCATION L0114120     VOLUME   486904.025 3755047.146 532.12
   LOCATION L0114121     VOLUME   486954.571 3755046.685 532.33
   LOCATION L0114122     VOLUME   487005.118 3755046.224 532.53
   LOCATION L0114123     VOLUME   487055.665 3755045.763 532.74
   LOCATION L0114124     VOLUME   487106.211 3755045.302 532.95
** End of LINE VOLUME Source ID = SEGMENT15
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT18
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 5
** 487138.06, 3755042.91, 533.00, 1.00, 23.38
** 487300.89, 3755033.99, 529.00, 1.00, 23.38
** 487535.10, 3754996.07, 529.00, 1.00, 23.38
** 487711.32, 3755000.53, 525.00, 1.00, 23.38
** 487907.61, 3754947.00, 526.00, 1.00, 23.38
** ----------------------------------------------------------------------
   LOCATION L0112857     VOLUME   487151.146 3755042.194 530.63
   LOCATION L0112858     VOLUME   487201.328 3755039.444 528.00
   LOCATION L0112859     VOLUME   487251.510 3755036.694 528.53
   LOCATION L0112860     VOLUME   487301.683 3755033.861 528.59
   LOCATION L0112861     VOLUME   487351.295 3755025.828 526.03
   LOCATION L0112862     VOLUME   487400.906 3755017.796 524.56
   LOCATION L0112863     VOLUME   487450.518 3755009.764 524.36
   LOCATION L0112864     VOLUME   487500.129 3755001.731 526.00
   LOCATION L0112865     VOLUME   487549.926 3754996.444 528.33
   LOCATION L0112866     VOLUME   487600.167 3754997.716 529.25
   LOCATION L0112867     VOLUME   487650.409 3754998.988 526.24
   LOCATION L0112868     VOLUME   487700.650 3755000.260 522.97
   LOCATION L0112869     VOLUME   487749.509 3754990.115 522.29
   LOCATION L0112870     VOLUME   487797.996 3754976.891 523.27
   LOCATION L0112871     VOLUME   487846.482 3754963.667 524.09
   LOCATION L0112872     VOLUME   487894.969 3754950.444 525.82
** End of LINE VOLUME Source ID = SEGMENT18
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT18A
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 5
** 487908.51, 3754945.43, 526.00, 1.00, 24.10
** 488040.12, 3754869.59, 520.00, 1.00, 24.10
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** 488173.95, 3754769.21, 522.00, 1.00, 24.10
** 488301.10, 3754733.52, 523.00, 1.00, 24.10
** 488497.39, 3754720.14, 526.00, 1.00, 24.10
** ---------------------------------------------------------------------
   LOCATION L0112873     VOLUME   487919.867 3754938.887 524.63
   LOCATION L0112874     VOLUME   487964.761 3754913.016 521.91
   LOCATION L0112875     VOLUME   488009.655 3754887.144 519.81
   LOCATION L0112876     VOLUME   488053.443 3754859.596 519.44
   LOCATION L0112877     VOLUME   488094.895 3754828.507 519.17
   LOCATION L0112878     VOLUME   488136.347 3754797.418 520.48
   LOCATION L0112879     VOLUME   488178.582 3754767.914 521.23
   LOCATION L0112880     VOLUME   488228.469 3754753.911 522.90
   LOCATION L0112881     VOLUME   488278.356 3754739.908 523.05
   LOCATION L0112882     VOLUME   488329.227 3754731.607 521.54
   LOCATION L0112883     VOLUME   488380.922 3754728.082 523.90
   LOCATION L0112884     VOLUME   488432.617 3754724.557 527.97
   LOCATION L0112885     VOLUME   488484.312 3754721.033 524.82
** End of LINE VOLUME Source ID = SEGMENT18A
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT19
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 6
** 487121.55, 3754448.99, 511.00, 1.00, 17.64
** 487583.28, 3754424.46, 510.00, 1.00, 17.64
** 487714.88, 3754428.92, 512.00, 1.00, 17.64
** 487795.18, 3754451.22, 513.00, 1.00, 17.64
** 488303.76, 3754442.30, 511.00, 1.00, 17.64
** 488433.13, 3754346.39, 506.00, 1.00, 17.64
** ---------------------------------------------------------------------
   LOCATION L0112886     VOLUME   487131.288 3754448.475 506.58
   LOCATION L0112887     VOLUME   487169.165 3754446.462 506.00
   LOCATION L0112888     VOLUME   487207.043 3754444.450 508.12
   LOCATION L0112889     VOLUME   487244.921 3754442.437 509.08
   LOCATION L0112890     VOLUME   487282.799 3754440.424 509.78
   LOCATION L0112891     VOLUME   487320.677 3754438.411 509.05
   LOCATION L0112892     VOLUME   487358.555 3754436.398 509.37
   LOCATION L0112893     VOLUME   487396.433 3754434.385 510.45
   LOCATION L0112894     VOLUME   487434.310 3754432.373 509.94
   LOCATION L0112895     VOLUME   487472.188 3754430.360 509.38
   LOCATION L0112896     VOLUME   487510.066 3754428.347 509.95
   LOCATION L0112897     VOLUME   487547.944 3754426.334 510.22
   LOCATION L0112898     VOLUME   487585.824 3754424.543 509.56
   LOCATION L0112899     VOLUME   487623.733 3754425.828 510.12
   LOCATION L0112900     VOLUME   487661.643 3754427.113 510.71
   LOCATION L0112901     VOLUME   487699.553 3754428.398 510.44
   LOCATION L0112902     VOLUME   487736.651 3754434.965 510.81
   LOCATION L0112903     VOLUME   487773.198 3754445.117 510.41
   LOCATION L0112904     VOLUME   487810.295 3754450.958 509.88
   LOCATION L0112905     VOLUME   487848.220 3754450.293 509.77
   LOCATION L0112906     VOLUME   487886.146 3754449.628 508.53
   LOCATION L0112907     VOLUME   487924.071 3754448.962 507.74
   LOCATION L0112908     VOLUME   487961.997 3754448.297 508.40
   LOCATION L0112909     VOLUME   487999.922 3754447.632 509.00
   LOCATION L0112910     VOLUME   488037.848 3754446.966 508.07
   LOCATION L0112911     VOLUME   488075.773 3754446.301 507.15
   LOCATION L0112912     VOLUME   488113.698 3754445.635 508.18
   LOCATION L0112913     VOLUME   488151.624 3754444.970 508.31
   LOCATION L0112914     VOLUME   488189.549 3754444.305 509.27
   LOCATION L0112915     VOLUME   488227.475 3754443.639 510.36
   LOCATION L0112916     VOLUME   488265.400 3754442.974 510.66
   LOCATION L0112917     VOLUME   488303.326 3754442.309 510.94
   LOCATION L0112918     VOLUME   488333.881 3754419.967 509.27
   LOCATION L0112919     VOLUME   488364.352 3754397.376 506.49
   LOCATION L0112920     VOLUME   488394.822 3754374.786 504.46
   LOCATION L0112921     VOLUME   488425.293 3754352.196 504.99
** End of LINE VOLUME Source ID = SEGMENT19
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT20
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 3
** 488428.67, 3754348.62, 506.00, 1.00, 18.04
** 488457.67, 3754308.47, 506.00, 1.00, 18.04
** 488457.67, 3753291.32, 483.00, 1.00, 18.04
** ---------------------------------------------------------------------
   LOCATION L0112922     VOLUME   488434.379 3754340.708 505.31
   LOCATION L0112923     VOLUME   488457.087 3754309.267 506.00
   LOCATION L0112924     VOLUME   488457.666 3754270.671 506.00
   LOCATION L0112925     VOLUME   488457.666 3754231.887 505.06
   LOCATION L0112926     VOLUME   488457.666 3754193.103 501.00
   LOCATION L0112927     VOLUME   488457.666 3754154.319 501.52
   LOCATION L0112928     VOLUME   488457.666 3754115.535 503.63
   LOCATION L0112929     VOLUME   488457.666 3754076.751 502.89
   LOCATION L0112930     VOLUME   488457.666 3754037.968 502.00
   LOCATION L0112931     VOLUME   488457.666 3753999.184 502.00
   LOCATION L0112932     VOLUME   488457.666 3753960.400 502.00
   LOCATION L0112933     VOLUME   488457.666 3753921.616 500.44
   LOCATION L0112934     VOLUME   488457.666 3753882.832 498.43
   LOCATION L0112935     VOLUME   488457.666 3753844.049 497.13
   LOCATION L0112936     VOLUME   488457.666 3753805.265 496.84
   LOCATION L0112937     VOLUME   488457.666 3753766.481 496.00
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   LOCATION L0112938     VOLUME   488457.666 3753727.697 495.26
   LOCATION L0112939     VOLUME   488457.666 3753688.913 493.93
   LOCATION L0112940     VOLUME   488457.666 3753650.130 491.01
   LOCATION L0112941     VOLUME   488457.666 3753611.346 488.38
   LOCATION L0112942     VOLUME   488457.666 3753572.562 488.00
   LOCATION L0112943     VOLUME   488457.666 3753533.778 488.00
   LOCATION L0112944     VOLUME   488457.666 3753494.994 488.00
   LOCATION L0112945     VOLUME   488457.666 3753456.211 487.21
   LOCATION L0112946     VOLUME   488457.666 3753417.427 485.91
   LOCATION L0112947     VOLUME   488457.666 3753378.643 485.38
   LOCATION L0112948     VOLUME   488457.666 3753339.859 483.99
   LOCATION L0112949     VOLUME   488457.666 3753301.075 482.04
** End of LINE VOLUME Source ID = SEGMENT20
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT21
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00879
** Elevated
** Vertical Dimension = 1.20
** SZINIT = 0.28
** Nodes = 2
** 487098.48, 3753294.03, 491.00, 1.20, 22.81
** 487762.08, 3753289.01, 485.00, 1.20, 22.81
** ----------------------------------------------------------------------
   LOCATION L0114125     VOLUME   487111.587 3753293.935 490.88
   LOCATION L0114126     VOLUME   487160.618 3753293.563 490.44
   LOCATION L0114127     VOLUME   487209.648 3753293.192 489.99
   LOCATION L0114128     VOLUME   487258.678 3753292.820 489.55
   LOCATION L0114129     VOLUME   487307.708 3753292.449 489.11
   LOCATION L0114130     VOLUME   487356.738 3753292.077 488.66
   LOCATION L0114131     VOLUME   487405.769 3753291.706 488.22
   LOCATION L0114132     VOLUME   487454.799 3753291.335 487.78
   LOCATION L0114133     VOLUME   487503.829 3753290.963 487.34
   LOCATION L0114134     VOLUME   487552.859 3753290.592 486.89
   LOCATION L0114135     VOLUME   487601.890 3753290.220 486.45
   LOCATION L0114136     VOLUME   487650.920 3753289.849 486.01
   LOCATION L0114137     VOLUME   487699.950 3753289.477 485.56
   LOCATION L0114138     VOLUME   487748.980 3753289.106 485.12
** End of LINE VOLUME Source ID = SEGMENT21
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT22
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00589
** Elevated
** Vertical Dimension = 1.20
** SZINIT = 0.28
** Nodes = 2
** 487752.03, 3753289.01, 485.00, 1.20, 24.24
** 488455.85, 3753289.01, 483.00, 1.20, 24.24
** ----------------------------------------------------------------------
   LOCATION L0112964     VOLUME   487765.135 3753289.007 484.00
   LOCATION L0112965     VOLUME   487817.259 3753289.007 485.27
   LOCATION L0112966     VOLUME   487869.383 3753289.007 483.15
   LOCATION L0112967     VOLUME   487921.507 3753289.007 482.97
   LOCATION L0112968     VOLUME   487973.631 3753289.007 484.84
   LOCATION L0112969     VOLUME   488025.755 3753289.007 485.63
   LOCATION L0112970     VOLUME   488077.879 3753289.007 485.37
   LOCATION L0112971     VOLUME   488130.002 3753289.007 485.63
   LOCATION L0112972     VOLUME   488182.126 3753289.007 485.63
   LOCATION L0112973     VOLUME   488234.250 3753289.007 486.33
   LOCATION L0112974     VOLUME   488286.374 3753289.007 484.87
   LOCATION L0112975     VOLUME   488338.498 3753289.007 484.37
   LOCATION L0112976     VOLUME   488390.622 3753289.007 484.55
   LOCATION L0112977     VOLUME   488442.746 3753289.007 483.27
** End of LINE VOLUME Source ID = SEGMENT22
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT23
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.000576
** Elevated
** Vertical Dimension = 1.10
** SZINIT = 0.26
** Nodes = 2
** 488445.80, 3753299.06, 484.00, 1.10, 18.10
** 488450.82, 3752851.63, 480.00, 1.10, 18.10
** ----------------------------------------------------------------------
   LOCATION L0114139     VOLUME   488445.906 3753289.307 483.91
   LOCATION L0114140     VOLUME   488446.343 3753250.405 483.57
   LOCATION L0114141     VOLUME   488446.780 3753211.503 483.22
   LOCATION L0114142     VOLUME   488447.217 3753172.601 482.87
   LOCATION L0114143     VOLUME   488447.654 3753133.700 482.52
   LOCATION L0114144     VOLUME   488448.091 3753094.798 482.17
   LOCATION L0114145     VOLUME   488448.528 3753055.896 481.83
   LOCATION L0114146     VOLUME   488448.966 3753016.994 481.48
   LOCATION L0114147     VOLUME   488449.403 3752978.092 481.13
   LOCATION L0114148     VOLUME   488449.840 3752939.190 480.78
   LOCATION L0114149     VOLUME   488450.277 3752900.289 480.43
   LOCATION L0114150     VOLUME   488450.714 3752861.387 480.09
** End of LINE VOLUME Source ID = SEGMENT23
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT24
** DESCRSRC
** PREFIX
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** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00573
** Elevated
** Vertical Dimension = 1.20
** SZINIT = 0.28
** Nodes = 2
** 488450.82, 3753299.06, 483.00, 1.20, 23.53
** 489893.66, 3753294.03, 493.00, 1.20, 23.53
** ----------------------------------------------------------------------
   LOCATION L0112451     VOLUME   488463.928 3753299.016 481.83
   LOCATION L0112452     VOLUME   488514.522 3753298.839 480.92
   LOCATION L0112453     VOLUME   488565.116 3753298.663 482.30
   LOCATION L0112454     VOLUME   488615.709 3753298.487 484.06
   LOCATION L0112455     VOLUME   488666.303 3753298.310 483.24
   LOCATION L0112456     VOLUME   488716.897 3753298.134 482.04
   LOCATION L0112457     VOLUME   488767.490 3753297.958 482.14
   LOCATION L0112458     VOLUME   488818.084 3753297.782 481.14
   LOCATION L0112459     VOLUME   488868.678 3753297.605 482.05
   LOCATION L0112460     VOLUME   488919.271 3753297.429 483.39
   LOCATION L0112461     VOLUME   488969.865 3753297.253 485.90
   LOCATION L0112462     VOLUME   489020.459 3753297.076 484.22
   LOCATION L0112463     VOLUME   489071.052 3753296.900 484.83
   LOCATION L0112464     VOLUME   489121.646 3753296.724 484.90
   LOCATION L0112465     VOLUME   489172.240 3753296.548 486.48
   LOCATION L0112466     VOLUME   489222.833 3753296.371 491.61
   LOCATION L0112467     VOLUME   489273.427 3753296.195 494.43
   LOCATION L0112468     VOLUME   489324.020 3753296.019 490.50
   LOCATION L0112469     VOLUME   489374.614 3753295.842 489.14
   LOCATION L0112470     VOLUME   489425.208 3753295.666 490.32
   LOCATION L0112471     VOLUME   489475.801 3753295.490 490.16
   LOCATION L0112472     VOLUME   489526.395 3753295.314 490.47
   LOCATION L0112473     VOLUME   489576.989 3753295.137 493.03
   LOCATION L0112474     VOLUME   489627.582 3753294.961 493.36
   LOCATION L0112475     VOLUME   489678.176 3753294.785 495.58
   LOCATION L0112476     VOLUME   489728.770 3753294.608 496.83
   LOCATION L0112477     VOLUME   489779.363 3753294.432 493.43
   LOCATION L0112478     VOLUME   489829.957 3753294.256 489.16
   LOCATION L0112479     VOLUME   489880.551 3753294.080 491.63
** End of LINE VOLUME Source ID = SEGMENT24
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT25
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00176
** Elevated
** Vertical Dimension = 1.20
** SZINIT = 0.28
** Nodes = 3
** 489888.63, 3753289.01, 493.00, 1.20, 22.24
** 489959.01, 3753319.17, 494.00, 1.20, 22.24
** 490099.77, 3753444.85, 504.00, 1.20, 22.24
** ----------------------------------------------------------------------
   LOCATION L0114163     VOLUME   489900.674 3753294.169 493.17
   LOCATION L0114164     VOLUME   489944.622 3753313.004 493.80
   LOCATION L0114165     VOLUME   489983.000 3753340.589 495.70
   LOCATION L0114166     VOLUME   490018.666 3753372.434 498.24
   LOCATION L0114167     VOLUME   490054.332 3753404.279 500.77
   LOCATION L0114168     VOLUME   490089.999 3753436.124 503.31
** End of LINE VOLUME Source ID = SEGMENT25
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT26
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 489898.68, 3753289.01, 493.00, 1.00, 15.51
** 489903.71, 3752871.74, 482.00, 1.00, 15.51
** ----------------------------------------------------------------------
   LOCATION L0112996     VOLUME   489898.786 3753280.472 492.29
   LOCATION L0112997     VOLUME   489899.187 3753247.123 490.45
   LOCATION L0112998     VOLUME   489899.589 3753213.773 488.25
   LOCATION L0112999     VOLUME   489899.991 3753180.423 487.01
   LOCATION L0113000     VOLUME   489900.393 3753147.074 488.28
   LOCATION L0113001     VOLUME   489900.795 3753113.724 490.99
   LOCATION L0113002     VOLUME   489901.196 3753080.374 490.63
   LOCATION L0113003     VOLUME   489901.598 3753047.024 489.03
   LOCATION L0113004     VOLUME   489902.000 3753013.675 487.32
   LOCATION L0113005     VOLUME   489902.402 3752980.325 486.24
   LOCATION L0113006     VOLUME   489902.804 3752946.975 484.59
   LOCATION L0113007     VOLUME   489903.205 3752913.626 482.46
   LOCATION L0113008     VOLUME   489903.607 3752880.276 480.38
** End of LINE VOLUME Source ID = SEGMENT26
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT27
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 489908.74, 3752866.71, 482.00, 1.00, 15.35
** 490255.62, 3752876.77, 483.00, 1.00, 15.35
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** ----------------------------------------------------------------------
   LOCATION L0113009     VOLUME   489917.269 3752866.962 481.66
   LOCATION L0113010     VOLUME   489950.251 3752867.918 483.00
   LOCATION L0113011     VOLUME   489983.233 3752868.874 484.03
   LOCATION L0113012     VOLUME   490016.215 3752869.830 484.90
   LOCATION L0113013     VOLUME   490049.197 3752870.786 486.05
   LOCATION L0113014     VOLUME   490082.179 3752871.742 485.72
   LOCATION L0113015     VOLUME   490115.161 3752872.698 485.89
   LOCATION L0113016     VOLUME   490148.143 3752873.654 486.58
   LOCATION L0113017     VOLUME   490181.125 3752874.610 486.03
   LOCATION L0113018     VOLUME   490214.107 3752875.566 484.13
   LOCATION L0113019     VOLUME   490247.089 3752876.522 482.55
** End of LINE VOLUME Source ID = SEGMENT27
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT28
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 3
** 488445.80, 3752856.66, 479.00, 1.00, 15.60
** 489023.93, 3752886.82, 482.00, 1.00, 15.60
** 489903.71, 3752871.74, 482.00, 1.00, 15.60
** ----------------------------------------------------------------------
   LOCATION L0113020     VOLUME   488454.320 3752857.104 478.00
   LOCATION L0113021     VOLUME   488487.803 3752858.851 478.65
   LOCATION L0113022     VOLUME   488521.287 3752860.598 477.56
   LOCATION L0113023     VOLUME   488554.771 3752862.345 475.49
   LOCATION L0113024     VOLUME   488588.255 3752864.092 475.28
   LOCATION L0113025     VOLUME   488621.738 3752865.839 476.58
   LOCATION L0113026     VOLUME   488655.222 3752867.586 478.01
   LOCATION L0113027     VOLUME   488688.706 3752869.333 478.46
   LOCATION L0113028     VOLUME   488722.190 3752871.080 477.56
   LOCATION L0113029     VOLUME   488755.673 3752872.827 477.44
   LOCATION L0113030     VOLUME   488789.157 3752874.574 478.33
   LOCATION L0113031     VOLUME   488822.641 3752876.321 478.23
   LOCATION L0113032     VOLUME   488856.125 3752878.068 478.05
   LOCATION L0113033     VOLUME   488889.608 3752879.815 478.00
   LOCATION L0113034     VOLUME   488923.092 3752881.562 477.67
   LOCATION L0113035     VOLUME   488956.576 3752883.309 478.20
   LOCATION L0113036     VOLUME   488990.060 3752885.056 479.67
   LOCATION L0113037     VOLUME   489023.543 3752886.803 481.39
   LOCATION L0113038     VOLUME   489057.067 3752886.256 482.69
   LOCATION L0113039     VOLUME   489090.592 3752885.681 481.79
   LOCATION L0113040     VOLUME   489124.116 3752885.106 480.72
   LOCATION L0113041     VOLUME   489157.640 3752884.531 479.78
   LOCATION L0113042     VOLUME   489191.165 3752883.957 478.81
   LOCATION L0113043     VOLUME   489224.689 3752883.382 478.66
   LOCATION L0113044     VOLUME   489258.213 3752882.807 479.70
   LOCATION L0113045     VOLUME   489291.738 3752882.233 480.07
   LOCATION L0113046     VOLUME   489325.262 3752881.658 480.06
   LOCATION L0113047     VOLUME   489358.787 3752881.083 480.07
   LOCATION L0113048     VOLUME   489392.311 3752880.508 480.03
   LOCATION L0113049     VOLUME   489425.835 3752879.934 480.19
   LOCATION L0113050     VOLUME   489459.360 3752879.359 481.26
   LOCATION L0113051     VOLUME   489492.884 3752878.784 481.90
   LOCATION L0113052     VOLUME   489526.408 3752878.210 481.91
   LOCATION L0113053     VOLUME   489559.933 3752877.635 482.48
   LOCATION L0113054     VOLUME   489593.457 3752877.060 483.49
   LOCATION L0113055     VOLUME   489626.981 3752876.486 484.65
   LOCATION L0113056     VOLUME   489660.506 3752875.911 484.85
   LOCATION L0113057     VOLUME   489694.030 3752875.336 483.84
   LOCATION L0113058     VOLUME   489727.555 3752874.761 484.12
   LOCATION L0113059     VOLUME   489761.079 3752874.187 485.30
   LOCATION L0113060     VOLUME   489794.603 3752873.612 484.92
   LOCATION L0113061     VOLUME   489828.128 3752873.037 482.79
   LOCATION L0113062     VOLUME   489861.652 3752872.463 480.74
   LOCATION L0113063     VOLUME   489895.176 3752871.888 480.27
** End of LINE VOLUME Source ID = SEGMENT28
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT29
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.0118
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 2
** 488254.11, 3755298.30, 548.00, 1.30, 9.20
** 488465.26, 3754775.46, 527.00, 1.30, 9.20
** ----------------------------------------------------------------------
   LOCATION L0113802     VOLUME   488256.001 3755293.618 547.91
   LOCATION L0113803     VOLUME   488263.407 3755275.280 547.76
   LOCATION L0113804     VOLUME   488270.813 3755256.941 547.00
   LOCATION L0113805     VOLUME   488278.219 3755238.603 546.11
   LOCATION L0113806     VOLUME   488285.625 3755220.265 545.58
   LOCATION L0113807     VOLUME   488293.031 3755201.926 546.30
   LOCATION L0113808     VOLUME   488300.437 3755183.588 546.55
   LOCATION L0113809     VOLUME   488307.843 3755165.250 546.07
   LOCATION L0113810     VOLUME   488315.248 3755146.911 545.50
   LOCATION L0113811     VOLUME   488322.654 3755128.573 544.24
   LOCATION L0113812     VOLUME   488330.060 3755110.235 541.81
   LOCATION L0113813     VOLUME   488337.466 3755091.896 539.27
   LOCATION L0113814     VOLUME   488344.872 3755073.558 537.21
   LOCATION L0113815     VOLUME   488352.278 3755055.220 535.11
   LOCATION L0113816     VOLUME   488359.684 3755036.881 533.03
   LOCATION L0113817     VOLUME   488367.089 3755018.543 531.46
   LOCATION L0113818     VOLUME   488374.495 3755000.205 530.12
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   LOCATION L0113819     VOLUME   488381.901 3754981.866 528.93
   LOCATION L0113820     VOLUME   488389.307 3754963.528 527.84
   LOCATION L0113821     VOLUME   488396.713 3754945.190 527.02
   LOCATION L0113822     VOLUME   488404.119 3754926.851 527.91
   LOCATION L0113823     VOLUME   488411.525 3754908.513 527.77
   LOCATION L0113824     VOLUME   488418.930 3754890.175 527.27
   LOCATION L0113825     VOLUME   488426.336 3754871.837 526.62
   LOCATION L0113826     VOLUME   488433.742 3754853.498 525.57
   LOCATION L0113827     VOLUME   488441.148 3754835.160 524.34
   LOCATION L0113828     VOLUME   488448.554 3754816.822 526.00
   LOCATION L0113829     VOLUME   488455.960 3754798.483 526.05
   LOCATION L0113830     VOLUME   488463.366 3754780.145 526.51
** End of LINE VOLUME Source ID = SEGMENT29
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT30
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.0455
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 4
** 488465.58, 3754780.49, 527.00, 1.30, 9.32
** 488732.03, 3754307.92, 516.00, 1.30, 9.32
** 488963.28, 3754116.89, 511.00, 1.30, 9.32
** 490099.45, 3753423.12, 503.00, 1.30, 9.32
** ----------------------------------------------------------------------
   LOCATION L0114169     VOLUME   488468.061 3754776.091 526.90
   LOCATION L0114170     VOLUME   488477.900 3754758.640 526.49
   LOCATION L0114171     VOLUME   488487.740 3754741.189 526.09
   LOCATION L0114172     VOLUME   488497.579 3754723.739 525.68
   LOCATION L0114173     VOLUME   488507.418 3754706.288 525.27
   LOCATION L0114174     VOLUME   488517.257 3754688.838 524.87
   LOCATION L0114175     VOLUME   488527.096 3754671.387 524.46
   LOCATION L0114176     VOLUME   488536.935 3754653.936 524.05
   LOCATION L0114177     VOLUME   488546.775 3754636.486 523.65
   LOCATION L0114178     VOLUME   488556.614 3754619.035 523.24
   LOCATION L0114179     VOLUME   488566.453 3754601.585 522.84
   LOCATION L0114180     VOLUME   488576.292 3754584.134 522.43
   LOCATION L0114181     VOLUME   488586.131 3754566.683 522.02
   LOCATION L0114182     VOLUME   488595.971 3754549.233 521.62
   LOCATION L0114183     VOLUME   488605.810 3754531.782 521.21
   LOCATION L0114184     VOLUME   488615.649 3754514.331 520.80
   LOCATION L0114185     VOLUME   488625.488 3754496.881 520.40
   LOCATION L0114186     VOLUME   488635.327 3754479.430 519.99
   LOCATION L0114187     VOLUME   488645.166 3754461.980 519.59
   LOCATION L0114188     VOLUME   488655.006 3754444.529 519.18
   LOCATION L0114189     VOLUME   488664.845 3754427.078 518.77
   LOCATION L0114190     VOLUME   488674.684 3754409.628 518.37
   LOCATION L0114191     VOLUME   488684.523 3754392.177 517.96
   LOCATION L0114192     VOLUME   488694.362 3754374.727 517.55
   LOCATION L0114193     VOLUME   488704.201 3754357.276 517.15
   LOCATION L0114194     VOLUME   488714.041 3754339.825 516.74
   LOCATION L0114195     VOLUME   488723.880 3754322.375 516.34
   LOCATION L0114196     VOLUME   488734.683 3754305.731 515.94
   LOCATION L0114197     VOLUME   488750.128 3754292.972 515.61
   LOCATION L0114198     VOLUME   488765.573 3754280.213 515.27
   LOCATION L0114199     VOLUME   488781.018 3754267.454 514.94
   LOCATION L0114200     VOLUME   488796.462 3754254.695 514.61
   LOCATION L0114201     VOLUME   488811.907 3754241.937 514.27
   LOCATION L0114202     VOLUME   488827.352 3754229.178 513.94
   LOCATION L0114203     VOLUME   488842.797 3754216.419 513.61
   LOCATION L0114204     VOLUME   488858.242 3754203.660 513.27
   LOCATION L0114205     VOLUME   488873.687 3754190.901 512.94
   LOCATION L0114206     VOLUME   488889.132 3754178.142 512.60
   LOCATION L0114207     VOLUME   488904.577 3754165.384 512.27
   LOCATION L0114208     VOLUME   488920.022 3754152.625 511.94
   LOCATION L0114209     VOLUME   488935.467 3754139.866 511.60
   LOCATION L0114210     VOLUME   488950.912 3754127.107 511.27
   LOCATION L0114211     VOLUME   488966.685 3754114.810 510.98
   LOCATION L0114212     VOLUME   488983.783 3754104.369 510.86
   LOCATION L0114213     VOLUME   489000.881 3754093.929 510.74
   LOCATION L0114214     VOLUME   489017.979 3754083.489 510.61
   LOCATION L0114215     VOLUME   489035.077 3754073.049 510.49
   LOCATION L0114216     VOLUME   489052.174 3754062.608 510.37
   LOCATION L0114217     VOLUME   489069.272 3754052.168 510.25
   LOCATION L0114218     VOLUME   489086.370 3754041.728 510.13
   LOCATION L0114219     VOLUME   489103.468 3754031.288 510.01
   LOCATION L0114220     VOLUME   489120.566 3754020.847 509.89
   LOCATION L0114221     VOLUME   489137.663 3754010.407 509.77
   LOCATION L0114222     VOLUME   489154.761 3753999.967 509.65
   LOCATION L0114223     VOLUME   489171.859 3753989.527 509.53
   LOCATION L0114224     VOLUME   489188.957 3753979.086 509.41
   LOCATION L0114225     VOLUME   489206.055 3753968.646 509.29
   LOCATION L0114226     VOLUME   489223.152 3753958.206 509.17
   LOCATION L0114227     VOLUME   489240.250 3753947.766 509.05
   LOCATION L0114228     VOLUME   489257.348 3753937.325 508.93
   LOCATION L0114229     VOLUME   489274.446 3753926.885 508.81
   LOCATION L0114230     VOLUME   489291.544 3753916.445 508.69
   LOCATION L0114231     VOLUME   489308.641 3753906.005 508.57
   LOCATION L0114232     VOLUME   489325.739 3753895.564 508.45
   LOCATION L0114233     VOLUME   489342.837 3753885.124 508.33
   LOCATION L0114234     VOLUME   489359.935 3753874.684 508.21
   LOCATION L0114235     VOLUME   489377.033 3753864.244 508.09
   LOCATION L0114236     VOLUME   489394.130 3753853.803 507.97
   LOCATION L0114237     VOLUME   489411.228 3753843.363 507.85
   LOCATION L0114238     VOLUME   489428.326 3753832.923 507.73
   LOCATION L0114239     VOLUME   489445.424 3753822.483 507.61
   LOCATION L0114240     VOLUME   489462.522 3753812.042 507.48
   LOCATION L0114241     VOLUME   489479.619 3753801.602 507.36
   LOCATION L0114242     VOLUME   489496.717 3753791.162 507.24
   LOCATION L0114243     VOLUME   489513.815 3753780.722 507.12
   LOCATION L0114244     VOLUME   489530.913 3753770.281 507.00
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   LOCATION L0114245     VOLUME   489548.011 3753759.841 506.88
   LOCATION L0114246     VOLUME   489565.108 3753749.401 506.76
   LOCATION L0114247     VOLUME   489582.206 3753738.961 506.64
   LOCATION L0114248     VOLUME   489599.304 3753728.520 506.52
   LOCATION L0114249     VOLUME   489616.402 3753718.080 506.40
   LOCATION L0114250     VOLUME   489633.500 3753707.640 506.28
   LOCATION L0114251     VOLUME   489650.597 3753697.200 506.16
   LOCATION L0114252     VOLUME   489667.695 3753686.759 506.04
   LOCATION L0114253     VOLUME   489684.793 3753676.319 505.92
   LOCATION L0114254     VOLUME   489701.891 3753665.879 505.80
   LOCATION L0114255     VOLUME   489718.988 3753655.439 505.68
   LOCATION L0114256     VOLUME   489736.086 3753644.998 505.56
   LOCATION L0114257     VOLUME   489753.184 3753634.558 505.44
   LOCATION L0114258     VOLUME   489770.282 3753624.118 505.32
   LOCATION L0114259     VOLUME   489787.380 3753613.678 505.20
   LOCATION L0114260     VOLUME   489804.477 3753603.238 505.08
   LOCATION L0114261     VOLUME   489821.575 3753592.797 504.96
   LOCATION L0114262     VOLUME   489838.673 3753582.357 504.84
   LOCATION L0114263     VOLUME   489855.771 3753571.917 504.72
   LOCATION L0114264     VOLUME   489872.869 3753561.477 504.60
   LOCATION L0114265     VOLUME   489889.966 3753551.036 504.48
   LOCATION L0114266     VOLUME   489907.064 3753540.596 504.35
   LOCATION L0114267     VOLUME   489924.162 3753530.156 504.23
   LOCATION L0114268     VOLUME   489941.260 3753519.716 504.11
   LOCATION L0114269     VOLUME   489958.358 3753509.275 503.99
   LOCATION L0114270     VOLUME   489975.455 3753498.835 503.87
   LOCATION L0114271     VOLUME   489992.553 3753488.395 503.75
   LOCATION L0114272     VOLUME   490009.651 3753477.955 503.63
   LOCATION L0114273     VOLUME   490026.749 3753467.514 503.51
   LOCATION L0114274     VOLUME   490043.847 3753457.074 503.39
   LOCATION L0114275     VOLUME   490060.944 3753446.634 503.27
   LOCATION L0114276     VOLUME   490078.042 3753436.194 503.15
   LOCATION L0114277     VOLUME   490095.140 3753425.753 503.03
** End of LINE VOLUME Source ID = SEGMENT30
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT31
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.0419
** Elevated
** Vertical Dimension = 1.20
** SZINIT = 0.28
** Nodes = 3
** 490099.77, 3753444.85, 504.00, 1.20, 9.38
** 490652.78, 3753118.08, 492.00, 1.20, 9.38
** 491195.72, 3752374.04, 463.00, 1.20, 9.38
** ----------------------------------------------------------------------
   LOCATION L0114278     VOLUME   490104.122 3753442.284 503.91
   LOCATION L0114279     VOLUME   490121.489 3753432.021 503.53
   LOCATION L0114280     VOLUME   490138.857 3753421.758 503.15
   LOCATION L0114281     VOLUME   490156.224 3753411.496 502.78
   LOCATION L0114282     VOLUME   490173.592 3753401.233 502.40
   LOCATION L0114283     VOLUME   490190.959 3753390.971 502.02
   LOCATION L0114284     VOLUME   490208.326 3753380.708 501.64
   LOCATION L0114285     VOLUME   490225.694 3753370.446 501.27
   LOCATION L0114286     VOLUME   490243.061 3753360.183 500.89
   LOCATION L0114287     VOLUME   490260.428 3753349.921 500.51
   LOCATION L0114288     VOLUME   490277.796 3753339.658 500.14
   LOCATION L0114289     VOLUME   490295.163 3753329.396 499.76
   LOCATION L0114290     VOLUME   490312.530 3753319.133 499.38
   LOCATION L0114291     VOLUME   490329.898 3753308.871 499.01
   LOCATION L0114292     VOLUME   490347.265 3753298.608 498.63
   LOCATION L0114293     VOLUME   490364.633 3753288.345 498.25
   LOCATION L0114294     VOLUME   490382.000 3753278.083 497.88
   LOCATION L0114295     VOLUME   490399.367 3753267.820 497.50
   LOCATION L0114296     VOLUME   490416.735 3753257.558 497.12
   LOCATION L0114297     VOLUME   490434.102 3753247.295 496.75
   LOCATION L0114298     VOLUME   490451.469 3753237.033 496.37
   LOCATION L0114299     VOLUME   490468.837 3753226.770 495.99
   LOCATION L0114300     VOLUME   490486.204 3753216.508 495.61
   LOCATION L0114301     VOLUME   490503.572 3753206.245 495.24
   LOCATION L0114302     VOLUME   490520.939 3753195.983 494.86
   LOCATION L0114303     VOLUME   490538.306 3753185.720 494.48
   LOCATION L0114304     VOLUME   490555.674 3753175.458 494.11
   LOCATION L0114305     VOLUME   490573.041 3753165.195 493.73
   LOCATION L0114306     VOLUME   490590.408 3753154.933 493.35
   LOCATION L0114307     VOLUME   490607.776 3753144.670 492.98
   LOCATION L0114308     VOLUME   490625.143 3753134.407 492.60
   LOCATION L0114309     VOLUME   490642.510 3753124.145 492.22
   LOCATION L0114310     VOLUME   490657.639 3753111.415 491.74
   LOCATION L0114311     VOLUME   490669.530 3753095.120 491.11
   LOCATION L0114312     VOLUME   490681.421 3753078.825 490.47
   LOCATION L0114313     VOLUME   490693.313 3753062.529 489.83
   LOCATION L0114314     VOLUME   490705.204 3753046.234 489.20
   LOCATION L0114315     VOLUME   490717.095 3753029.938 488.56
   LOCATION L0114316     VOLUME   490728.986 3753013.643 487.93
   LOCATION L0114317     VOLUME   490740.878 3752997.347 487.29
   LOCATION L0114318     VOLUME   490752.769 3752981.052 486.66
   LOCATION L0114319     VOLUME   490764.660 3752964.756 486.02
   LOCATION L0114320     VOLUME   490776.552 3752948.461 485.39
   LOCATION L0114321     VOLUME   490788.443 3752932.165 484.75
   LOCATION L0114322     VOLUME   490800.334 3752915.870 484.12
   LOCATION L0114323     VOLUME   490812.225 3752899.574 483.48
   LOCATION L0114324     VOLUME   490824.117 3752883.279 482.85
   LOCATION L0114325     VOLUME   490836.008 3752866.983 482.21
   LOCATION L0114326     VOLUME   490847.899 3752850.688 481.58
   LOCATION L0114327     VOLUME   490859.791 3752834.392 480.94
   LOCATION L0114328     VOLUME   490871.682 3752818.097 480.31
   LOCATION L0114329     VOLUME   490883.573 3752801.802 479.67
   LOCATION L0114330     VOLUME   490895.464 3752785.506 479.04
   LOCATION L0114331     VOLUME   490907.356 3752769.211 478.40
   LOCATION L0114332     VOLUME   490919.247 3752752.915 477.77
   LOCATION L0114333     VOLUME   490931.138 3752736.620 477.13
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   LOCATION L0114334     VOLUME   490943.030 3752720.324 476.50
   LOCATION L0114335     VOLUME   490954.921 3752704.029 475.86
   LOCATION L0114336     VOLUME   490966.812 3752687.733 475.23
   LOCATION L0114337     VOLUME   490978.703 3752671.438 474.59
   LOCATION L0114338     VOLUME   490990.595 3752655.142 473.96
   LOCATION L0114339     VOLUME   491002.486 3752638.847 473.32
   LOCATION L0114340     VOLUME   491014.377 3752622.551 472.69
   LOCATION L0114341     VOLUME   491026.269 3752606.256 472.05
   LOCATION L0114342     VOLUME   491038.160 3752589.960 471.42
   LOCATION L0114343     VOLUME   491050.051 3752573.665 470.78
   LOCATION L0114344     VOLUME   491061.942 3752557.370 470.15
   LOCATION L0114345     VOLUME   491073.834 3752541.074 469.51
   LOCATION L0114346     VOLUME   491085.725 3752524.779 468.88
   LOCATION L0114347     VOLUME   491097.616 3752508.483 468.24
   LOCATION L0114348     VOLUME   491109.508 3752492.188 467.60
   LOCATION L0114349     VOLUME   491121.399 3752475.892 466.97
   LOCATION L0114350     VOLUME   491133.290 3752459.597 466.33
   LOCATION L0114351     VOLUME   491145.181 3752443.301 465.70
   LOCATION L0114352     VOLUME   491157.073 3752427.006 465.06
   LOCATION L0114353     VOLUME   491168.964 3752410.710 464.43
   LOCATION L0114354     VOLUME   491180.855 3752394.415 463.79
   LOCATION L0114355     VOLUME   491192.747 3752378.119 463.16
** End of LINE VOLUME Source ID = SEGMENT31
** Source Parameters **
   SRCPARAM PHASE1        3.94E-09     2.300        11
   AREAVERT PHASE1       485577.456 3755020.364 485551.904 3753432.305
   AREAVERT PHASE1       485926.464 3753427.753 485923.846 3753288.414
   AREAVERT PHASE1       486892.734 3753283.394 487138.721 3753248.253
   AREAVERT PHASE1       488479.099 3753223.153 488464.038 3754287.423
   AREAVERT PHASE1       488107.608 3754729.196 487153.781 3754759.316
   AREAVERT PHASE1       487138.721 3755010.324
** LINE VOLUME Source ID = SEGMENT01
   SRCPARAM L0114018     0.0050666667      1.30     27.35      0.30
   SRCPARAM L0114019     0.0050666667      1.30     27.35      0.30
   SRCPARAM L0114020     0.0050666667      1.30     27.35      0.30
   SRCPARAM L0114021     0.0050666667      1.30     27.35      0.30
   SRCPARAM L0114022     0.0050666667      1.30     27.35      0.30
   SRCPARAM L0114023     0.0050666667      1.30     27.35      0.30
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT02
   SRCPARAM L0114024       0.00558      1.30     30.03      0.30
   SRCPARAM L0114025       0.00558      1.30     30.03      0.30
   SRCPARAM L0114026       0.00558      1.30     30.03      0.30
   SRCPARAM L0114027       0.00558      1.30     30.03      0.30
   SRCPARAM L0114028       0.00558      1.30     30.03      0.30
   SRCPARAM L0114029       0.00558      1.30     30.03      0.30
   SRCPARAM L0114030       0.00558      1.30     30.03      0.30
   SRCPARAM L0114031       0.00558      1.30     30.03      0.30
   SRCPARAM L0114032       0.00558      1.30     30.03      0.30
   SRCPARAM L0114033       0.00558      1.30     30.03      0.30
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT03
   SRCPARAM L0112145     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112146     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112147     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112148     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112149     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112150     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112151     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112152     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112153     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112154     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112155     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112156     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112157     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112158     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112159     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112160     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112161     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112162     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112163     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112164     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112165     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112166     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112167     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112168     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112169     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112170     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112171     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112172     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112173     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112174     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112175     0.0019612903      1.30     18.01      0.30
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT04
   SRCPARAM L0113629     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113630     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113631     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113632     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113633     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113634     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113635     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113636     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113637     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113638     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113639     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113640     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113641     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113642     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113643     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113644     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113645     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113646     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113647     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113648     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113649     0.0003016      1.20     17.72      0.28
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   SRCPARAM L0113650     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113651     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113652     0.0003016      1.20     17.72      0.28
   SRCPARAM L0113653     0.0003016      1.20     17.72      0.28
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT05
   SRCPARAM L0114034     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114035     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114036     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114037     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114038     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114039     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114040     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114041     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114042     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114043     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114044     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114045     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114046     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114047     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114048     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114049     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114050     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114051     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114052     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114053     0.0004761905      1.20     24.05      0.28
   SRCPARAM L0114054     0.0004761905      1.20     24.05      0.28
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT06
   SRCPARAM L0114055         0.0016      1.30     29.19      0.30
   SRCPARAM L0114056         0.0016      1.30     29.19      0.30
   SRCPARAM L0114057         0.0016      1.30     29.19      0.30
   SRCPARAM L0114058         0.0016      1.30     29.19      0.30
   SRCPARAM L0114059         0.0016      1.30     29.19      0.30
   SRCPARAM L0114060         0.0016      1.30     29.19      0.30
   SRCPARAM L0114061         0.0016      1.30     29.19      0.30
   SRCPARAM L0114062         0.0016      1.30     29.19      0.30
   SRCPARAM L0114063         0.0016      1.30     29.19      0.30
   SRCPARAM L0114064         0.0016      1.30     29.19      0.30
   SRCPARAM L0114065         0.0016      1.30     29.19      0.30
   SRCPARAM L0114066         0.0016      1.30     29.19      0.30
   SRCPARAM L0114067         0.0016      1.30     29.19      0.30
   SRCPARAM L0114068         0.0016      1.30     29.19      0.30
   SRCPARAM L0114069         0.0016      1.30     29.19      0.30
   SRCPARAM L0114070         0.0016      1.30     29.19      0.30
   SRCPARAM L0114071         0.0016      1.30     29.19      0.30
   SRCPARAM L0114072         0.0016      1.30     29.19      0.30
   SRCPARAM L0114073         0.0016      1.30     29.19      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT07
   SRCPARAM L0112754            0.0      1.00     29.21      0.23
   SRCPARAM L0112755            0.0      1.00     29.21      0.23
   SRCPARAM L0112756            0.0      1.00     29.21      0.23
   SRCPARAM L0112757            0.0      1.00     29.21      0.23
   SRCPARAM L0112758            0.0      1.00     29.21      0.23
   SRCPARAM L0112759            0.0      1.00     29.21      0.23
   SRCPARAM L0112760            0.0      1.00     29.21      0.23
   SRCPARAM L0112761            0.0      1.00     29.21      0.23
   SRCPARAM L0112762            0.0      1.00     29.21      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT08
   SRCPARAM L0112250     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112251     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112252     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112253     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112254     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112255     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112256     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112257     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112258     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112259     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112260     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112261     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112262     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112263     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112264     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112265     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112266     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112267     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112268     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112269     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112270     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112271     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112272     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112273     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112274     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112275     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112276     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112277     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112278     0.0005466667      1.20     18.01      0.28
   SRCPARAM L0112279     0.0005466667      1.20     18.01      0.28
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT11
   SRCPARAM L0114074     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114075     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114076     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114077     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114078     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114079     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114080     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114081     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114082     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114083     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114084     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114085     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114086     0.0001458333      1.00     15.74      0.23
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   SRCPARAM L0114087     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114088     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114089     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114090     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114091     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114092     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114093     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114094     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114095     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114096     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114097     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114098     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114099     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114100     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114101     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114102     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114103     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114104     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114105     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114106     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114107     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114108     0.0001458333      1.00     15.74      0.23
   SRCPARAM L0114109     0.0001458333      1.00     15.74      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT12
   SRCPARAM L0113730      0.000358      1.30     15.63      0.30
   SRCPARAM L0113731      0.000358      1.30     15.63      0.30
   SRCPARAM L0113732      0.000358      1.30     15.63      0.30
   SRCPARAM L0113733      0.000358      1.30     15.63      0.30
   SRCPARAM L0113734      0.000358      1.30     15.63      0.30
   SRCPARAM L0113735      0.000358      1.30     15.63      0.30
   SRCPARAM L0113736      0.000358      1.30     15.63      0.30
   SRCPARAM L0113737      0.000358      1.30     15.63      0.30
   SRCPARAM L0113738      0.000358      1.30     15.63      0.30
   SRCPARAM L0113739      0.000358      1.30     15.63      0.30
   SRCPARAM L0113740      0.000358      1.30     15.63      0.30
   SRCPARAM L0113741      0.000358      1.30     15.63      0.30
   SRCPARAM L0113742      0.000358      1.30     15.63      0.30
   SRCPARAM L0113743      0.000358      1.30     15.63      0.30
   SRCPARAM L0113744      0.000358      1.30     15.63      0.30
   SRCPARAM L0113745      0.000358      1.30     15.63      0.30
   SRCPARAM L0113746      0.000358      1.30     15.63      0.30
   SRCPARAM L0113747      0.000358      1.30     15.63      0.30
   SRCPARAM L0113748      0.000358      1.30     15.63      0.30
   SRCPARAM L0113749      0.000358      1.30     15.63      0.30
   SRCPARAM L0113750      0.000358      1.30     15.63      0.30
   SRCPARAM L0113751      0.000358      1.30     15.63      0.30
   SRCPARAM L0113752      0.000358      1.30     15.63      0.30
   SRCPARAM L0113753      0.000358      1.30     15.63      0.30
   SRCPARAM L0113754      0.000358      1.30     15.63      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT14
   SRCPARAM L0112824           0.0      1.00     23.83      0.23
   SRCPARAM L0112825           0.0      1.00     23.83      0.23
   SRCPARAM L0112826           0.0      1.00     23.83      0.23
   SRCPARAM L0112827           0.0      1.00     23.83      0.23
   SRCPARAM L0112828           0.0      1.00     23.83      0.23
   SRCPARAM L0112829           0.0      1.00     23.83      0.23
   SRCPARAM L0112830           0.0      1.00     23.83      0.23
   SRCPARAM L0112831           0.0      1.00     23.83      0.23
   SRCPARAM L0112832           0.0      1.00     23.83      0.23
   SRCPARAM L0112833           0.0      1.00     23.83      0.23
   SRCPARAM L0112834           0.0      1.00     23.83      0.23
   SRCPARAM L0112835           0.0      1.00     23.83      0.23
   SRCPARAM L0112836           0.0      1.00     23.83      0.23
   SRCPARAM L0112837           0.0      1.00     23.83      0.23
   SRCPARAM L0112838           0.0      1.00     23.83      0.23
   SRCPARAM L0112839           0.0      1.00     23.83      0.23
   SRCPARAM L0112840           0.0      1.00     23.83      0.23
   SRCPARAM L0112841           0.0      1.00     23.83      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT15
   SRCPARAM L0114110     0.0007133333      1.40     23.51      0.33
   SRCPARAM L0114111     0.0007133333      1.40     23.51      0.33
   SRCPARAM L0114112     0.0007133333      1.40     23.51      0.33
   SRCPARAM L0114113     0.0007133333      1.40     23.51      0.33
   SRCPARAM L0114114     0.0007133333      1.40     23.51      0.33
   SRCPARAM L0114115     0.0007133333      1.40     23.51      0.33
   SRCPARAM L0114116     0.0007133333      1.40     23.51      0.33
   SRCPARAM L0114117     0.0007133333      1.40     23.51      0.33
   SRCPARAM L0114118     0.0007133333      1.40     23.51      0.33
   SRCPARAM L0114119     0.0007133333      1.40     23.51      0.33
   SRCPARAM L0114120     0.0007133333      1.40     23.51      0.33
   SRCPARAM L0114121     0.0007133333      1.40     23.51      0.33
   SRCPARAM L0114122     0.0007133333      1.40     23.51      0.33
   SRCPARAM L0114123     0.0007133333      1.40     23.51      0.33
   SRCPARAM L0114124     0.0007133333      1.40     23.51      0.33
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT18
   SRCPARAM L0112857           0.0      1.00     23.38      0.23
   SRCPARAM L0112858           0.0      1.00     23.38      0.23
   SRCPARAM L0112859           0.0      1.00     23.38      0.23
   SRCPARAM L0112860           0.0      1.00     23.38      0.23
   SRCPARAM L0112861           0.0      1.00     23.38      0.23
   SRCPARAM L0112862           0.0      1.00     23.38      0.23
   SRCPARAM L0112863           0.0      1.00     23.38      0.23
   SRCPARAM L0112864           0.0      1.00     23.38      0.23
   SRCPARAM L0112865           0.0      1.00     23.38      0.23
   SRCPARAM L0112866           0.0      1.00     23.38      0.23
   SRCPARAM L0112867           0.0      1.00     23.38      0.23
   SRCPARAM L0112868           0.0      1.00     23.38      0.23
   SRCPARAM L0112869           0.0      1.00     23.38      0.23
   SRCPARAM L0112870           0.0      1.00     23.38      0.23
   SRCPARAM L0112871           0.0      1.00     23.38      0.23
   SRCPARAM L0112872           0.0      1.00     23.38      0.23
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** LINE VOLUME Source ID = SEGMENT18A
   SRCPARAM L0112873          0.0      1.00     24.10      0.23
   SRCPARAM L0112874          0.0      1.00     24.10      0.23
   SRCPARAM L0112875          0.0      1.00     24.10      0.23
   SRCPARAM L0112876          0.0      1.00     24.10      0.23
   SRCPARAM L0112877          0.0      1.00     24.10      0.23
   SRCPARAM L0112878          0.0      1.00     24.10      0.23
   SRCPARAM L0112879          0.0      1.00     24.10      0.23
   SRCPARAM L0112880          0.0      1.00     24.10      0.23
   SRCPARAM L0112881          0.0      1.00     24.10      0.23
   SRCPARAM L0112882          0.0      1.00     24.10      0.23
   SRCPARAM L0112883          0.0      1.00     24.10      0.23
   SRCPARAM L0112884          0.0      1.00     24.10      0.23
   SRCPARAM L0112885          0.0      1.00     24.10      0.23
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT19
   SRCPARAM L0112886          0.0      1.00     17.64      0.23
   SRCPARAM L0112887          0.0      1.00     17.64      0.23
   SRCPARAM L0112888          0.0      1.00     17.64      0.23
   SRCPARAM L0112889          0.0      1.00     17.64      0.23
   SRCPARAM L0112890          0.0      1.00     17.64      0.23
   SRCPARAM L0112891          0.0      1.00     17.64      0.23
   SRCPARAM L0112892          0.0      1.00     17.64      0.23
   SRCPARAM L0112893          0.0      1.00     17.64      0.23
   SRCPARAM L0112894          0.0      1.00     17.64      0.23
   SRCPARAM L0112895          0.0      1.00     17.64      0.23
   SRCPARAM L0112896          0.0      1.00     17.64      0.23
   SRCPARAM L0112897          0.0      1.00     17.64      0.23
   SRCPARAM L0112898          0.0      1.00     17.64      0.23
   SRCPARAM L0112899          0.0      1.00     17.64      0.23
   SRCPARAM L0112900          0.0      1.00     17.64      0.23
   SRCPARAM L0112901          0.0      1.00     17.64      0.23
   SRCPARAM L0112902          0.0      1.00     17.64      0.23
   SRCPARAM L0112903          0.0      1.00     17.64      0.23
   SRCPARAM L0112904          0.0      1.00     17.64      0.23
   SRCPARAM L0112905          0.0      1.00     17.64      0.23
   SRCPARAM L0112906          0.0      1.00     17.64      0.23
   SRCPARAM L0112907          0.0      1.00     17.64      0.23
   SRCPARAM L0112908          0.0      1.00     17.64      0.23
   SRCPARAM L0112909          0.0      1.00     17.64      0.23
   SRCPARAM L0112910          0.0      1.00     17.64      0.23
   SRCPARAM L0112911          0.0      1.00     17.64      0.23
   SRCPARAM L0112912          0.0      1.00     17.64      0.23
   SRCPARAM L0112913          0.0      1.00     17.64      0.23
   SRCPARAM L0112914          0.0      1.00     17.64      0.23
   SRCPARAM L0112915          0.0      1.00     17.64      0.23
   SRCPARAM L0112916          0.0      1.00     17.64      0.23
   SRCPARAM L0112917          0.0      1.00     17.64      0.23
   SRCPARAM L0112918          0.0      1.00     17.64      0.23
   SRCPARAM L0112919          0.0      1.00     17.64      0.23
   SRCPARAM L0112920          0.0      1.00     17.64      0.23
   SRCPARAM L0112921          0.0      1.00     17.64      0.23
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT20
   SRCPARAM L0112922          0.0      1.00     18.04      0.23
   SRCPARAM L0112923          0.0      1.00     18.04      0.23
   SRCPARAM L0112924          0.0      1.00     18.04      0.23
   SRCPARAM L0112925          0.0      1.00     18.04      0.23
   SRCPARAM L0112926          0.0      1.00     18.04      0.23
   SRCPARAM L0112927          0.0      1.00     18.04      0.23
   SRCPARAM L0112928          0.0      1.00     18.04      0.23
   SRCPARAM L0112929          0.0      1.00     18.04      0.23
   SRCPARAM L0112930          0.0      1.00     18.04      0.23
   SRCPARAM L0112931          0.0      1.00     18.04      0.23
   SRCPARAM L0112932          0.0      1.00     18.04      0.23
   SRCPARAM L0112933          0.0      1.00     18.04      0.23
   SRCPARAM L0112934          0.0      1.00     18.04      0.23
   SRCPARAM L0112935          0.0      1.00     18.04      0.23
   SRCPARAM L0112936          0.0      1.00     18.04      0.23
   SRCPARAM L0112937          0.0      1.00     18.04      0.23
   SRCPARAM L0112938          0.0      1.00     18.04      0.23
   SRCPARAM L0112939          0.0      1.00     18.04      0.23
   SRCPARAM L0112940          0.0      1.00     18.04      0.23
   SRCPARAM L0112941          0.0      1.00     18.04      0.23
   SRCPARAM L0112942          0.0      1.00     18.04      0.23
   SRCPARAM L0112943          0.0      1.00     18.04      0.23
   SRCPARAM L0112944          0.0      1.00     18.04      0.23
   SRCPARAM L0112945          0.0      1.00     18.04      0.23
   SRCPARAM L0112946          0.0      1.00     18.04      0.23
   SRCPARAM L0112947          0.0      1.00     18.04      0.23
   SRCPARAM L0112948          0.0      1.00     18.04      0.23
   SRCPARAM L0112949          0.0      1.00     18.04      0.23
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT21
   SRCPARAM L0114125     0.0006278571      1.20     22.81      0.28
   SRCPARAM L0114126     0.0006278571      1.20     22.81      0.28
   SRCPARAM L0114127     0.0006278571      1.20     22.81      0.28
   SRCPARAM L0114128     0.0006278571      1.20     22.81      0.28
   SRCPARAM L0114129     0.0006278571      1.20     22.81      0.28
   SRCPARAM L0114130     0.0006278571      1.20     22.81      0.28
   SRCPARAM L0114131     0.0006278571      1.20     22.81      0.28
   SRCPARAM L0114132     0.0006278571      1.20     22.81      0.28
   SRCPARAM L0114133     0.0006278571      1.20     22.81      0.28
   SRCPARAM L0114134     0.0006278571      1.20     22.81      0.28
   SRCPARAM L0114135     0.0006278571      1.20     22.81      0.28
   SRCPARAM L0114136     0.0006278571      1.20     22.81      0.28
   SRCPARAM L0114137     0.0006278571      1.20     22.81      0.28
   SRCPARAM L0114138     0.0006278571      1.20     22.81      0.28
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT22
   SRCPARAM L0112964     0.0004207143      1.20     24.24      0.28
   SRCPARAM L0112965     0.0004207143      1.20     24.24      0.28
   SRCPARAM L0112966     0.0004207143      1.20     24.24      0.28
   SRCPARAM L0112967     0.0004207143      1.20     24.24      0.28
   SRCPARAM L0112968     0.0004207143      1.20     24.24      0.28
   SRCPARAM L0112969     0.0004207143      1.20     24.24      0.28
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   SRCPARAM L0112970     0.0004207143      1.20     24.24      0.28
   SRCPARAM L0112971     0.0004207143      1.20     24.24      0.28
   SRCPARAM L0112972     0.0004207143      1.20     24.24      0.28
   SRCPARAM L0112973     0.0004207143      1.20     24.24      0.28
   SRCPARAM L0112974     0.0004207143      1.20     24.24      0.28
   SRCPARAM L0112975     0.0004207143      1.20     24.24      0.28
   SRCPARAM L0112976     0.0004207143      1.20     24.24      0.28
   SRCPARAM L0112977     0.0004207143      1.20     24.24      0.28
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT23
   SRCPARAM L0114139      0.000048      1.10     18.10      0.26
   SRCPARAM L0114140      0.000048      1.10     18.10      0.26
   SRCPARAM L0114141      0.000048      1.10     18.10      0.26
   SRCPARAM L0114142      0.000048      1.10     18.10      0.26
   SRCPARAM L0114143      0.000048      1.10     18.10      0.26
   SRCPARAM L0114144      0.000048      1.10     18.10      0.26
   SRCPARAM L0114145      0.000048      1.10     18.10      0.26
   SRCPARAM L0114146      0.000048      1.10     18.10      0.26
   SRCPARAM L0114147      0.000048      1.10     18.10      0.26
   SRCPARAM L0114148      0.000048      1.10     18.10      0.26
   SRCPARAM L0114149      0.000048      1.10     18.10      0.26
   SRCPARAM L0114150      0.000048      1.10     18.10      0.26
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT24
   SRCPARAM L0112451     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112452     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112453     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112454     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112455     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112456     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112457     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112458     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112459     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112460     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112461     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112462     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112463     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112464     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112465     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112466     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112467     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112468     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112469     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112470     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112471     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112472     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112473     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112474     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112475     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112476     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112477     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112478     0.0001975862      1.20     23.53      0.28
   SRCPARAM L0112479     0.0001975862      1.20     23.53      0.28
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT25
   SRCPARAM L0114163     0.0002933333      1.20     22.24      0.28
   SRCPARAM L0114164     0.0002933333      1.20     22.24      0.28
   SRCPARAM L0114165     0.0002933333      1.20     22.24      0.28
   SRCPARAM L0114166     0.0002933333      1.20     22.24      0.28
   SRCPARAM L0114167     0.0002933333      1.20     22.24      0.28
   SRCPARAM L0114168     0.0002933333      1.20     22.24      0.28
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT26
   SRCPARAM L0112996           0.0      1.00     15.51      0.23
   SRCPARAM L0112997           0.0      1.00     15.51      0.23
   SRCPARAM L0112998           0.0      1.00     15.51      0.23
   SRCPARAM L0112999           0.0      1.00     15.51      0.23
   SRCPARAM L0113000           0.0      1.00     15.51      0.23
   SRCPARAM L0113001           0.0      1.00     15.51      0.23
   SRCPARAM L0113002           0.0      1.00     15.51      0.23
   SRCPARAM L0113003           0.0      1.00     15.51      0.23
   SRCPARAM L0113004           0.0      1.00     15.51      0.23
   SRCPARAM L0113005           0.0      1.00     15.51      0.23
   SRCPARAM L0113006           0.0      1.00     15.51      0.23
   SRCPARAM L0113007           0.0      1.00     15.51      0.23
   SRCPARAM L0113008           0.0      1.00     15.51      0.23
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT27
   SRCPARAM L0113009           0.0      1.00     15.35      0.23
   SRCPARAM L0113010           0.0      1.00     15.35      0.23
   SRCPARAM L0113011           0.0      1.00     15.35      0.23
   SRCPARAM L0113012           0.0      1.00     15.35      0.23
   SRCPARAM L0113013           0.0      1.00     15.35      0.23
   SRCPARAM L0113014           0.0      1.00     15.35      0.23
   SRCPARAM L0113015           0.0      1.00     15.35      0.23
   SRCPARAM L0113016           0.0      1.00     15.35      0.23
   SRCPARAM L0113017           0.0      1.00     15.35      0.23
   SRCPARAM L0113018           0.0      1.00     15.35      0.23
   SRCPARAM L0113019           0.0      1.00     15.35      0.23
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT28
   SRCPARAM L0113020           0.0      1.00     15.60      0.23
   SRCPARAM L0113021           0.0      1.00     15.60      0.23
   SRCPARAM L0113022           0.0      1.00     15.60      0.23
   SRCPARAM L0113023           0.0      1.00     15.60      0.23
   SRCPARAM L0113024           0.0      1.00     15.60      0.23
   SRCPARAM L0113025           0.0      1.00     15.60      0.23
   SRCPARAM L0113026           0.0      1.00     15.60      0.23
   SRCPARAM L0113027           0.0      1.00     15.60      0.23
   SRCPARAM L0113028           0.0      1.00     15.60      0.23
   SRCPARAM L0113029           0.0      1.00     15.60      0.23
   SRCPARAM L0113030           0.0      1.00     15.60      0.23
   SRCPARAM L0113031           0.0      1.00     15.60      0.23
   SRCPARAM L0113032           0.0      1.00     15.60      0.23
   SRCPARAM L0113033           0.0      1.00     15.60      0.23
   SRCPARAM L0113034           0.0      1.00     15.60      0.23
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   SRCPARAM L0113035          0.0      1.00     15.60      0.23
   SRCPARAM L0113036          0.0      1.00     15.60      0.23
   SRCPARAM L0113037          0.0      1.00     15.60      0.23
   SRCPARAM L0113038          0.0      1.00     15.60      0.23
   SRCPARAM L0113039          0.0      1.00     15.60      0.23
   SRCPARAM L0113040          0.0      1.00     15.60      0.23
   SRCPARAM L0113041          0.0      1.00     15.60      0.23
   SRCPARAM L0113042          0.0      1.00     15.60      0.23
   SRCPARAM L0113043          0.0      1.00     15.60      0.23
   SRCPARAM L0113044          0.0      1.00     15.60      0.23
   SRCPARAM L0113045          0.0      1.00     15.60      0.23
   SRCPARAM L0113046          0.0      1.00     15.60      0.23
   SRCPARAM L0113047          0.0      1.00     15.60      0.23
   SRCPARAM L0113048          0.0      1.00     15.60      0.23
   SRCPARAM L0113049          0.0      1.00     15.60      0.23
   SRCPARAM L0113050          0.0      1.00     15.60      0.23
   SRCPARAM L0113051          0.0      1.00     15.60      0.23
   SRCPARAM L0113052          0.0      1.00     15.60      0.23
   SRCPARAM L0113053          0.0      1.00     15.60      0.23
   SRCPARAM L0113054          0.0      1.00     15.60      0.23
   SRCPARAM L0113055          0.0      1.00     15.60      0.23
   SRCPARAM L0113056          0.0      1.00     15.60      0.23
   SRCPARAM L0113057          0.0      1.00     15.60      0.23
   SRCPARAM L0113058          0.0      1.00     15.60      0.23
   SRCPARAM L0113059          0.0      1.00     15.60      0.23
   SRCPARAM L0113060          0.0      1.00     15.60      0.23
   SRCPARAM L0113061          0.0      1.00     15.60      0.23
   SRCPARAM L0113062          0.0      1.00     15.60      0.23
   SRCPARAM L0113063          0.0      1.00     15.60      0.23
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT29
   SRCPARAM L0113802     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113803     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113804     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113805     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113806     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113807     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113808     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113809     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113810     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113811     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113812     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113813     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113814     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113815     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113816     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113817     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113818     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113819     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113820     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113821     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113822     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113823     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113824     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113825     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113826     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113827     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113828     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113829     0.0004068966      1.30      9.20      0.30
   SRCPARAM L0113830     0.0004068966      1.30      9.20      0.30
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT30
   SRCPARAM L0114169     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114170     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114171     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114172     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114173     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114174     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114175     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114176     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114177     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114178     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114179     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114180     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114181     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114182     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114183     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114184     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114185     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114186     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114187     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114188     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114189     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114190     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114191     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114192     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114193     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114194     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114195     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114196     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114197     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114198     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114199     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114200     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114201     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114202     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114203     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114204     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114205     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114206     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114207     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114208     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114209     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114210     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114211     0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114212     0.0004174312      1.30      9.32      0.30
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   SRCPARAM L0114213      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114214      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114215      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114216      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114217      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114218      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114219      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114220      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114221      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114222      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114223      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114224      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114225      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114226      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114227      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114228      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114229      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114230      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114231      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114232      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114233      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114234      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114235      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114236      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114237      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114238      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114239      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114240      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114241      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114242      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114243      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114244      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114245      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114246      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114247      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114248      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114249      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114250      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114251      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114252      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114253      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114254      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114255      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114256      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114257      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114258      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114259      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114260      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114261      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114262      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114263      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114264      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114265      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114266      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114267      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114268      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114269      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114270      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114271      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114272      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114273      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114274      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114275      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114276      0.0004174312      1.30      9.32      0.30
   SRCPARAM L0114277      0.0004174312      1.30      9.32      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT31
   SRCPARAM L0114278      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114279      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114280      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114281      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114282      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114283      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114284      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114285      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114286      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114287      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114288      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114289      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114290      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114291      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114292      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114293      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114294      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114295      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114296      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114297      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114298      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114299      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114300      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114301      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114302      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114303      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114304      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114305      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114306      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114307      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114308      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114309      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114310      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114311      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114312      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114313      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114314      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114315      0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114316      0.0005371795      1.20      9.38      0.28
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   SRCPARAM L0114317     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114318     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114319     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114320     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114321     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114322     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114323     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114324     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114325     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114326     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114327     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114328     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114329     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114330     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114331     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114332     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114333     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114334     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114335     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114336     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114337     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114338     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114339     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114340     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114341     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114342     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114343     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114344     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114345     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114346     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114347     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114348     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114349     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114350     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114351     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114352     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114353     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114354     0.0005371795      1.20      9.38      0.28
   SRCPARAM L0114355     0.0005371795      1.20      9.38      0.28
** ----------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED LST_PM10_REV3_NR_REV1.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE RIVR2.SFC
   PROFFILE RIVR2.PFL
   SURFDATA 00002 2005
   UAIRDATA 3190 2005
   PROFBASE 250.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST LST_PM10_REV3_NR_REV1.AD\24H1GALL.PLT 31
   PLOTFILE ANNUAL ALL LST_PM10_REV3_NR_REV1.AD\AN00GALL.PLT 32
   SUMMFILE LST_PM10_REV3_NR_REV1.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of          189 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 SO W320    1322  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1323  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1324  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1325  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1326  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1327  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1328  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1329  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1330  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1430  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1431  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1432  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1433  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1434  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1435  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1436  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
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SO W320    1438  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1439  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1440  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1441  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1442  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1443  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1444  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1445  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1446  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1447  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
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SO W320    1470  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1471  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1472  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1473  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
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SO W320    1722  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1723  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1724  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
ME W530    1972 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

***********************************
*** SETUP Finishes Successfully ***
***********************************

♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                   *** PM10 (No Refrigeration)                                                ***        17:22:10
                                                                                                                         PAGE   1
**MODELOPTs:  NonDFAULT CONC                                                  ELEV
                        FASTALL

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - -
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```
**Other Options Specified:
        FASTALL  - Use effective sigma-y to optimize meander for
                   POINT and VOLUME sources, and hybrid approach
                   to optimize AREA sources (formerly TOXICS option)

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates  1 Short Term Average(s) of:  24-HR
    and Calculates ANNUAL Averages

**This Run Includes:    698 Source(s);       1 Source Group(s); and    1705 Receptor(s)

**The Model Assumes A Pollutant Type of:  PM_10

**Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   250.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                              ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      4.2 MB of RAM.

**Detailed Error/Message File:   LST_PM10_REV3_NR_REV1.err
**File for Summary of Results:   LST_PM10_REV3_NR_REV1.sum
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                    *** PM10 (No Refrigeration)                                              ***        17:22:10
                                                                                                                        PAGE   2
**MODELOPTS:  NonDFAULT CONC                                                  ELEV
                        FASTALL


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.   URBAN  EMISSION RATE
  SOURCE       PART.  (GRAMS/SEC)     X         Y      ELEV.   HEIGHT      SY       SZ     SOURCE  SCALAR VARY
    ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)              BY
- - - -
```

L0112173	0	0.19613E-02	486051.9	3754371.8	509.0	1.30	18.01	0.30	YES
L0112174	0	0.19613E-02	486030.1	3754341.3	509.3	1.30	18.01	0.30	YES
L0112175	0	0.19613E-02	486012.8	3754306.6	509.9	1.30	18.01	0.30	YES
L0113629	0	0.30160E-03	486005.7	3754293.4	510.6	1.20	17.72	0.28	YES
L0113630	0	0.30160E-03	486005.3	3754255.3	509.5	1.20	17.72	0.28	YES
L0113631	0	0.30160E-03	486004.9	3754217.2	507.6	1.20	17.72	0.28	YES
L0113632	0	0.30160E-03	486004.6	3754179.1	507.9	1.20	17.72	0.28	YES
L0113633	0	0.30160E-03	486004.2	3754141.1	508.0	1.20	17.72	0.28	YES
L0113634	0	0.30160E-03	486003.8	3754103.0	506.8	1.20	17.72	0.28	YES
L0113635	0	0.30160E-03	486003.4	3754064.9	506.3	1.20	17.72	0.28	YES
L0113636	0	0.30160E-03	486003.1	3754026.8	505.2	1.20	17.72	0.28	YES
L0113637	0	0.30160E-03	486002.7	3753988.7	505.0	1.20	17.72	0.28	YES
L0113638	0	0.30160E-03	486002.3	3753950.6	504.1	1.20	17.72	0.28	YES
L0113639	0	0.30160E-03	486001.9	3753912.5	503.4	1.20	17.72	0.28	YES
L0113640	0	0.30160E-03	486001.5	3753874.4	502.2	1.20	17.72	0.28	YES
L0113641	0	0.30160E-03	486001.2	3753836.3	500.9	1.20	17.72	0.28	YES
L0113642	0	0.30160E-03	486000.8	3753798.2	499.6	1.20	17.72	0.28	YES
L0113643	0	0.30160E-03	486000.4	3753760.2	499.7	1.20	17.72	0.28	YES
L0113644	0	0.30160E-03	486000.0	3753722.1	501.9	1.20	17.72	0.28	YES
L0113645	0	0.30160E-03	485999.6	3753684.0	501.6	1.20	17.72	0.28	YES
L0113646	0	0.30160E-03	485999.3	3753645.9	499.0	1.20	17.72	0.28	YES
L0113647	0	0.30160E-03	485998.9	3753607.8	496.5	1.20	17.72	0.28	YES
L0113648	0	0.30160E-03	485998.5	3753569.7	496.0	1.20	17.72	0.28	YES
L0113649	0	0.30160E-03	485998.1	3753531.6	496.5	1.20	17.72	0.28	YES
L0113650	0	0.30160E-03	486006.9	3753496.0	495.3	1.20	17.72	0.28	YES
L0113651	0	0.30160E-03	486026.7	3753463.5	492.8	1.20	17.72	0.28	YES
L0113652	0	0.30160E-03	486046.5	3753431.0	491.4	1.20	17.72	0.28	YES
L0113653	0	0.30160E-03	486066.3	3753398.4	492.3	1.20	17.72	0.28	YES
L0114034	0	0.47619E-03	486083.6	3753385.4	494.2	1.20	24.05	0.28	YES
L0114035	0	0.47619E-03	486132.0	3753367.1	494.8	1.20	24.05	0.28	YES
L0114036	0	0.47619E-03	486182.6	3753360.8	495.1	1.20	24.05	0.28	YES
L0114037	0	0.47619E-03	486234.3	3753360.1	495.2	1.20	24.05	0.28	YES
L0114038	0	0.47619E-03	486286.0	3753359.4	495.2	1.20	24.05	0.28	YES
L0114039	0	0.47619E-03	486337.7	3753358.7	495.3	1.20	24.05	0.28	YES
L0114040	0	0.47619E-03	486389.4	3753358.0	495.4	1.20	24.05	0.28	YES
L0114041	0	0.47619E-03	486441.1	3753357.4	495.5	1.20	24.05	0.28	YES

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L0114042	0	0.47619E-03	486492.9	3753356.7	495.6	1.20	24.05	0.28	YES	
L0114043	0	0.47619E-03	486544.6	3753356.0	495.7	1.20	24.05	0.28	YES	
L0114044	0	0.47619E-03	486596.3	3753355.3	495.8	1.20	24.05	0.28	YES	
L0114045	0	0.47619E-03	486648.0	3753354.6	495.8	1.20	24.05	0.28	YES	
L0114046	0	0.47619E-03	486699.7	3753353.9	495.9	1.20	24.05	0.28	YES	
L0114047	0	0.47619E-03	486751.2	3753351.7	495.9	1.20	24.05	0.28	YES	
L0114048	0	0.47619E-03	486801.8	3753341.0	495.1	1.20	24.05	0.28	YES	
L0114049	0	0.47619E-03	486852.4	3753330.4	494.2	1.20	24.05	0.28	YES	
L0114050	0	0.47619E-03	486903.0	3753319.8	493.4	1.20	24.05	0.28	YES	
L0114051	0	0.47619E-03	486953.6	3753309.2	492.6	1.20	24.05	0.28	YES	
L0114052	0	0.47619E-03	487004.2	3753298.6	491.8	1.20	24.05	0.28	YES	
L0114053	0	0.47619E-03	487054.8	3753288.0	491.0	1.20	24.05	0.28	YES	
L0114054	0	0.47619E-03	487105.5	3753277.3	490.2	1.20	24.05	0.28	YES	
L0114055	0	0.16000E-02	487123.3	3754433.6	511.7	1.30	29.19	0.30	YES	
L0114056	0	0.16000E-02	487122.3	3754370.9	510.5	1.30	29.19	0.30	YES	
L0114057	0	0.16000E-02	487121.3	3754308.1	509.3	1.30	29.19	0.30	YES	
L0114058	0	0.16000E-02	487120.3	3754245.4	508.1	1.30	29.19	0.30	YES	
L0114059	0	0.16000E-02	487119.3	3754182.7	506.9	1.30	29.19	0.30	YES	
L0114060	0	0.16000E-02	487118.3	3754119.9	505.8	1.30	29.19	0.30	YES	
L0114061	0	0.16000E-02	487117.3	3754057.2	504.6	1.30	29.19	0.30	YES	
L0114062	0	0.16000E-02	487116.3	3753994.4	503.4	1.30	29.19	0.30	YES	
L0114063	0	0.16000E-02	487115.3	3753931.7	502.2	1.30	29.19	0.30	YES	
L0114064	0	0.16000E-02	487114.3	3753868.9	501.0	1.30	29.19	0.30	YES	
L0114065	0	0.16000E-02	487113.4	3753806.2	499.8	1.30	29.19	0.30	YES	
L0114066	0	0.16000E-02	487112.4	3753743.4	498.6	1.30	29.19	0.30	YES	
L0114067	0	0.16000E-02	487111.4	3753680.7	497.4	1.30	29.19	0.30	YES	
L0114068	0	0.16000E-02	487110.4	3753618.0	496.2	1.30	29.19	0.30	YES	
L0114069	0	0.16000E-02	487109.4	3753555.2	495.1	1.30	29.19	0.30	YES	
L0114070	0	0.16000E-02	487108.4	3753492.5	493.9	1.30	29.19	0.30	YES	
L0114071	0	0.16000E-02	487107.4	3753429.7	492.7	1.30	29.19	0.30	YES	
L0114072	0	0.16000E-02	487106.4	3753367.0	491.5	1.30	29.19	0.30	YES	
L0114073	0	0.16000E-02	487105.4	3753304.2	490.3	1.30	29.19	0.30	YES	
L0112754	0	0.00000E+00	487102.6	3753284.4	489.2	1.00	29.21	0.23	YES	
L0112755	0	0.00000E+00	487102.9	3753221.6	489.6	1.00	29.21	0.23	YES	
L0112756	0	0.00000E+00	487103.2	3753158.8	486.8	1.00	29.21	0.23	YES	
L0112757	0	0.00000E+00	487103.5	3753096.1	485.8	1.00	29.21	0.23	YES	
L0112758	0	0.00000E+00	487103.8	3753033.3	485.0	1.00	29.21	0.23	YES	
L0112759	0	0.00000E+00	487104.2	3752970.5	487.0	1.00	29.21	0.23	YES	
L0112760	0	0.00000E+00	487104.5	3752907.7	484.9	1.00	29.21	0.23	YES	
L0112761	0	0.00000E+00	487104.8	3752844.9	483.2	1.00	29.21	0.23	YES	

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L0112762	0	0.00000E+00	487105.1	3752782.1	483.7	1.00	29.21	0.23	YES	
L0112250	0	0.54667E-03	486069.9	3753383.9	492.7	1.20	18.01	0.28	YES	

L0112251	0	0.54667E-03	486053.5	3753348.8	491.3	1.20	18.01	0.28	YES
L0112252	0	0.54667E-03	486037.1	3753313.7	490.5	1.20	18.01	0.28	YES
L0112253	0	0.54667E-03	486020.7	3753278.6	490.3	1.20	18.01	0.28	YES
L0112254	0	0.54667E-03	486004.3	3753243.5	490.0	1.20	18.01	0.28	YES
L0112255	0	0.54667E-03	485987.9	3753208.5	489.6	1.20	18.01	0.28	YES
L0112256	0	0.54667E-03	485979.1	3753171.6	489.0	1.20	18.01	0.28	YES
L0112257	0	0.54667E-03	485978.3	3753132.9	488.1	1.20	18.01	0.28	YES
L0112258	0	0.54667E-03	485977.4	3753094.2	488.2	1.20	18.01	0.28	YES
L0112259	0	0.54667E-03	485976.6	3753055.4	489.4	1.20	18.01	0.28	YES
L0112260	0	0.54667E-03	485975.7	3753016.7	490.1	1.20	18.01	0.28	YES
L0112261	0	0.54667E-03	485974.9	3752978.0	490.0	1.20	18.01	0.28	YES
L0112262	0	0.54667E-03	485974.0	3752939.3	489.0	1.20	18.01	0.28	YES
L0112263	0	0.54667E-03	485973.2	3752900.6	489.0	1.20	18.01	0.28	YES
L0112264	0	0.54667E-03	485972.3	3752861.8	489.0	1.20	18.01	0.28	YES
L0112265	0	0.54667E-03	485971.5	3752823.1	489.0	1.20	18.01	0.28	YES
L0112266	0	0.54667E-03	485970.6	3752784.4	488.8	1.20	18.01	0.28	YES
L0112267	0	0.54667E-03	485969.8	3752745.7	487.0	1.20	18.01	0.28	YES
L0112268	0	0.54667E-03	485968.9	3752707.0	485.2	1.20	18.01	0.28	YES
L0112269	0	0.54667E-03	485968.1	3752668.2	486.2	1.20	18.01	0.28	YES
L0112270	0	0.54667E-03	485967.2	3752629.5	488.8	1.20	18.01	0.28	YES
L0112271	0	0.54667E-03	485966.4	3752590.8	490.1	1.20	18.01	0.28	YES
L0112272	0	0.54667E-03	485965.5	3752552.1	495.2	1.20	18.01	0.28	YES
L0112273	0	0.54667E-03	485964.7	3752513.4	496.4	1.20	18.01	0.28	YES
L0112274	0	0.54667E-03	485963.8	3752474.7	496.1	1.20	18.01	0.28	YES
L0112275	0	0.54667E-03	485963.0	3752435.9	496.4	1.20	18.01	0.28	YES
L0112276	0	0.54667E-03	485962.1	3752397.2	498.8	1.20	18.01	0.28	YES
L0112277	0	0.54667E-03	485961.3	3752358.5	500.1	1.20	18.01	0.28	YES
L0112278	0	0.54667E-03	485960.4	3752319.8	500.7	1.20	18.01	0.28	YES
L0112279	0	0.54667E-03	485959.6	3752281.1	501.9	1.20	18.01	0.28	YES
L0114074	0	0.14583E-03	485510.8	3754267.3	514.8	1.00	15.74	0.23	YES
L0114075	0	0.14583E-03	485510.8	3754233.4	514.3	1.00	15.74	0.23	YES
L0114076	0	0.14583E-03	485510.8	3754199.6	513.7	1.00	15.74	0.23	YES
L0114077	0	0.14583E-03	485510.7	3754165.8	513.1	1.00	15.74	0.23	YES
L0114078	0	0.14583E-03	485510.7	3754131.9	512.5	1.00	15.74	0.23	YES
L0114079	0	0.14583E-03	485510.7	3754098.1	511.9	1.00	15.74	0.23	YES
L0114080	0	0.14583E-03	485510.6	3754064.2	511.3	1.00	15.74	0.23	YES
L0114081	0	0.14583E-03	485510.6	3754030.4	510.7	1.00	15.74	0.23	YES
L0114082	0	0.14583E-03	485510.5	3753996.6	510.1	1.00	15.74	0.23	YES

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L0114083	0	0.14583E-03	485510.5	3753962.7	509.5	1.00	15.74	0.23	YES	
L0114084	0	0.14583E-03	485510.5	3753928.9	508.9	1.00	15.74	0.23	YES	
L0114085	0	0.14583E-03	485510.4	3753895.1	508.3	1.00	15.74	0.23	YES	
L0114086	0	0.14583E-03	485510.4	3753861.2	507.8	1.00	15.74	0.23	YES	
L0114087	0	0.14583E-03	485510.4	3753827.4	507.2	1.00	15.74	0.23	YES	
L0114088	0	0.14583E-03	485510.3	3753793.6	506.6	1.00	15.74	0.23	YES	
L0114089	0	0.14583E-03	485510.3	3753759.7	506.0	1.00	15.74	0.23	YES	
L0114090	0	0.14583E-03	485510.3	3753725.9	505.4	1.00	15.74	0.23	YES	
L0114091	0	0.14583E-03	485510.2	3753692.0	504.8	1.00	15.74	0.23	YES	
L0114092	0	0.14583E-03	485510.2	3753658.2	504.2	1.00	15.74	0.23	YES	
L0114093	0	0.14583E-03	485510.1	3753624.4	503.6	1.00	15.74	0.23	YES	
L0114094	0	0.14583E-03	485510.1	3753590.5	503.0	1.00	15.74	0.23	YES	
L0114095	0	0.14583E-03	485510.1	3753556.7	502.4	1.00	15.74	0.23	YES	
L0114096	0	0.14583E-03	485510.0	3753522.9	501.8	1.00	15.74	0.23	YES	
L0114097	0	0.14583E-03	485510.0	3753489.0	501.2	1.00	15.74	0.23	YES	
L0114098	0	0.14583E-03	485510.0	3753455.2	500.7	1.00	15.74	0.23	YES	
L0114099	0	0.14583E-03	485509.9	3753421.4	500.1	1.00	15.74	0.23	YES	
L0114100	0	0.14583E-03	485509.9	3753387.5	499.5	1.00	15.74	0.23	YES	
L0114101	0	0.14583E-03	485509.8	3753353.7	498.9	1.00	15.74	0.23	YES	
L0114102	0	0.14583E-03	485509.8	3753319.8	498.3	1.00	15.74	0.23	YES	
L0114103	0	0.14583E-03	485509.8	3753286.0	497.7	1.00	15.74	0.23	YES	
L0114104	0	0.14583E-03	485509.7	3753252.2	497.1	1.00	15.74	0.23	YES	
L0114105	0	0.14583E-03	485509.7	3753218.3	496.5	1.00	15.74	0.23	YES	
L0114106	0	0.14583E-03	485509.7	3753184.5	495.9	1.00	15.74	0.23	YES	
L0114107	0	0.14583E-03	485509.6	3753150.7	495.3	1.00	15.74	0.23	YES	
L0114108	0	0.14583E-03	485509.6	3753116.8	494.7	1.00	15.74	0.23	YES	
L0114109	0	0.14583E-03	485509.6	3753083.0	494.2	1.00	15.74	0.23	YES	
L0113730	0	0.35800E-03	485533.3	3755083.2	531.2	1.30	15.63	0.30	YES	
L0113731	0	0.35800E-03	485532.5	3755049.6	528.8	1.30	15.63	0.30	YES	
L0113732	0	0.35800E-03	485531.8	3755016.0	528.2	1.30	15.63	0.30	YES	
L0113733	0	0.35800E-03	485531.1	3754982.4	528.0	1.30	15.63	0.30	YES	
L0113734	0	0.35800E-03	485530.4	3754948.8	526.6	1.30	15.63	0.30	YES	
L0113735	0	0.35800E-03	485529.7	3754915.2	525.4	1.30	15.63	0.30	YES	
L0113736	0	0.35800E-03	485528.9	3754881.6	522.9	1.30	15.63	0.30	YES	
L0113737	0	0.35800E-03	485528.2	3754848.0	520.4	1.30	15.63	0.30	YES	
L0113738	0	0.35800E-03	485527.5	3754814.4	523.2	1.30	15.63	0.30	YES	
L0113739	0	0.35800E-03	485526.8	3754780.8	526.0	1.30	15.63	0.30	YES	
L0113740	0	0.35800E-03	485526.0	3754747.2	526.7	1.30	15.63	0.30	YES	
L0113741	0	0.35800E-03	485525.3	3754713.6	524.2	1.30	15.63	0.30	YES	
L0113742	0	0.35800E-03	485524.6	3754680.1	521.8	1.30	15.63	0.30	YES	

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L0113743	0	0.35800E-03	485523.9	3754646.5	521.8	1.30	15.63	0.30	YES
L0113744	0	0.35800E-03	485523.2	3754612.9	522.1	1.30	15.63	0.30	YES
L0113745	0	0.35800E-03	485522.4	3754579.3	522.2	1.30	15.63	0.30	YES
L0113746	0	0.35800E-03	485521.7	3754545.7	519.1	1.30	15.63	0.30	YES
L0113747	0	0.35800E-03	485521.0	3754512.1	515.2	1.30	15.63	0.30	YES
L0113748	0	0.35800E-03	485520.3	3754478.5	514.7	1.30	15.63	0.30	YES
L0113749	0	0.35800E-03	485519.5	3754444.9	516.7	1.30	15.63	0.30	YES
L0113750	0	0.35800E-03	485518.8	3754411.3	517.0	1.30	15.63	0.30	YES
L0113751	0	0.35800E-03	485518.1	3754377.7	516.0	1.30	15.63	0.30	YES
L0113752	0	0.35800E-03	485517.4	3754344.1	515.1	1.30	15.63	0.30	YES
L0113753	0	0.35800E-03	485516.7	3754310.5	515.0	1.30	15.63	0.30	YES
L0113754	0	0.35800E-03	485515.9	3754276.9	514.6	1.30	15.63	0.30	YES
L0112824	0	0.00000E+00	485516.8	3755054.2	529.9	1.00	23.83	0.23	YES
L0112825	0	0.00000E+00	485568.1	3755054.0	528.6	1.00	23.83	0.23	YES
L0112826	0	0.00000E+00	485619.3	3755053.8	530.8	1.00	23.83	0.23	YES
L0112827	0	0.00000E+00	485670.5	3755053.6	532.5	1.00	23.83	0.23	YES
L0112828	0	0.00000E+00	485721.7	3755053.4	534.2	1.00	23.83	0.23	YES
L0112829	0	0.00000E+00	485773.0	3755053.2	531.1	1.00	23.83	0.23	YES
L0112830	0	0.00000E+00	485824.2	3755053.0	529.5	1.00	23.83	0.23	YES
L0112831	0	0.00000E+00	485875.4	3755052.8	529.8	1.00	23.83	0.23	YES
L0112832	0	0.00000E+00	485926.7	3755052.6	530.9	1.00	23.83	0.23	YES
L0112833	0	0.00000E+00	485977.9	3755052.4	529.7	1.00	23.83	0.23	YES
L0112834	0	0.00000E+00	486029.1	3755052.2	529.4	1.00	23.83	0.23	YES
L0112835	0	0.00000E+00	486080.4	3755052.0	529.5	1.00	23.83	0.23	YES
L0112836	0	0.00000E+00	486131.6	3755051.8	529.5	1.00	23.83	0.23	YES
L0112837	0	0.00000E+00	486182.8	3755051.6	530.3	1.00	23.83	0.23	YES
L0112838	0	0.00000E+00	486234.0	3755051.3	527.4	1.00	23.83	0.23	YES
L0112839	0	0.00000E+00	486285.3	3755051.1	527.0	1.00	23.83	0.23	YES
L0112840	0	0.00000E+00	486336.5	3755050.9	526.5	1.00	23.83	0.23	YES
L0112841	0	0.00000E+00	486387.7	3755050.7	527.3	1.00	23.83	0.23	YES
L0114110	0	0.71333E-03	486398.6	3755051.8	530.0	1.40	23.51	0.33	YES
L0114111	0	0.71333E-03	486449.1	3755051.3	530.3	1.40	23.51	0.33	YES
L0114112	0	0.71333E-03	486499.7	3755050.8	530.5	1.40	23.51	0.33	YES
L0114113	0	0.71333E-03	486550.2	3755050.4	530.7	1.40	23.51	0.33	YES
L0114114	0	0.71333E-03	486600.7	3755049.9	530.9	1.40	23.51	0.33	YES
L0114115	0	0.71333E-03	486651.3	3755049.4	531.1	1.40	23.51	0.33	YES
L0114116	0	0.71333E-03	486701.8	3755049.0	531.3	1.40	23.51	0.33	YES
L0114117	0	0.71333E-03	486752.4	3755048.5	531.5	1.40	23.51	0.33	YES
L0114118	0	0.71333E-03	486802.9	3755048.1	531.7	1.40	23.51	0.33	YES
L0114119	0	0.71333E-03	486853.5	3755047.6	531.9	1.40	23.51	0.33	YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0114120	0	0.71333E-03	486904.0	3755047.1	532.1	1.40	23.51	0.33	YES	
L0114121	0	0.71333E-03	486954.6	3755046.7	532.3	1.40	23.51	0.33	YES	
L0114122	0	0.71333E-03	487005.1	3755046.2	532.5	1.40	23.51	0.33	YES	
L0114123	0	0.71333E-03	487055.7	3755045.8	532.7	1.40	23.51	0.33	YES	
L0114124	0	0.71333E-03	487106.2	3755045.3	532.9	1.40	23.51	0.33	YES	
L0112857	0	0.00000E+00	487151.1	3755042.2	530.6	1.00	23.38	0.23	YES	
L0112858	0	0.00000E+00	487201.3	3755039.4	528.0	1.00	23.38	0.23	YES	
L0112859	0	0.00000E+00	487251.5	3755036.7	528.5	1.00	23.38	0.23	YES	
L0112860	0	0.00000E+00	487301.7	3755033.9	528.6	1.00	23.38	0.23	YES	
L0112861	0	0.00000E+00	487351.3	3755025.8	526.0	1.00	23.38	0.23	YES	
L0112862	0	0.00000E+00	487400.9	3755017.8	524.6	1.00	23.38	0.23	YES	
L0112863	0	0.00000E+00	487450.5	3755009.8	524.4	1.00	23.38	0.23	YES	
L0112864	0	0.00000E+00	487500.1	3755001.7	526.0	1.00	23.38	0.23	YES	
L0112865	0	0.00000E+00	487549.9	3754996.4	528.3	1.00	23.38	0.23	YES	
L0112866	0	0.00000E+00	487600.2	3754997.7	529.2	1.00	23.38	0.23	YES	
L0112867	0	0.00000E+00	487650.4	3754999.0	526.2	1.00	23.38	0.23	YES	
L0112868	0	0.00000E+00	487700.6	3755000.3	523.0	1.00	23.38	0.23	YES	
L0112869	0	0.00000E+00	487749.5	3754990.1	522.3	1.00	23.38	0.23	YES	
L0112870	0	0.00000E+00	487798.0	3754976.9	523.3	1.00	23.38	0.23	YES	
L0112871	0	0.00000E+00	487846.5	3754963.7	524.1	1.00	23.38	0.23	YES	
L0112872	0	0.00000E+00	487895.0	3754950.4	525.8	1.00	23.38	0.23	YES	
L0112873	0	0.00000E+00	487919.9	3754938.9	524.6	1.00	24.10	0.23	YES	
L0112874	0	0.00000E+00	487964.8	3754913.0	521.9	1.00	24.10	0.23	YES	
L0112875	0	0.00000E+00	488009.7	3754887.1	519.8	1.00	24.10	0.23	YES	
L0112876	0	0.00000E+00	488053.4	3754859.6	519.4	1.00	24.10	0.23	YES	
L0112877	0	0.00000E+00	488094.9	3754828.5	519.2	1.00	24.10	0.23	YES	
L0112878	0	0.00000E+00	488136.3	3754797.4	520.5	1.00	24.10	0.23	YES	
L0112879	0	0.00000E+00	488178.6	3754767.9	521.2	1.00	24.10	0.23	YES	
L0112880	0	0.00000E+00	488228.5	3754753.9	522.9	1.00	24.10	0.23	YES	
L0112881	0	0.00000E+00	488278.4	3754739.9	523.0	1.00	24.10	0.23	YES	
L0112882	0	0.00000E+00	488329.2	3754731.6	521.5	1.00	24.10	0.23	YES	
L0112883	0	0.00000E+00	488380.9	3754728.1	523.9	1.00	24.10	0.23	YES	
L0112884	0	0.00000E+00	488432.6	3754724.6	528.0	1.00	24.10	0.23	YES	
L0112885	0	0.00000E+00	488484.3	3754721.0	524.8	1.00	24.10	0.23	YES	
L0112886	0	0.00000E+00	487131.3	3754448.5	506.6	1.00	17.64	0.23	YES	
L0112887	0	0.00000E+00	487169.2	3754446.5	506.0	1.00	17.64	0.23	YES	
L0112888	0	0.00000E+00	487207.0	3754444.4	508.1	1.00	17.64	0.23	YES	
L0112889	0	0.00000E+00	487244.9	3754442.4	509.1	1.00	17.64	0.23	YES	
L0112890	0	0.00000E+00	487282.8	3754440.4	509.8	1.00	17.64	0.23	YES	
L0112891	0	0.00000E+00	487320.7	3754438.4	509.1	1.00	17.64	0.23	YES	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY

L0112892	0	0.00000E+00	487358.6	3754436.4	509.4	1.00	17.64	0.23	YES
L0112893	0	0.00000E+00	487396.4	3754434.4	510.4	1.00	17.64	0.23	YES
L0112894	0	0.00000E+00	487434.3	3754432.4	509.9	1.00	17.64	0.23	YES
L0112895	0	0.00000E+00	487472.2	3754430.4	509.4	1.00	17.64	0.23	YES
L0112896	0	0.00000E+00	487510.1	3754428.3	509.9	1.00	17.64	0.23	YES
L0112897	0	0.00000E+00	487547.9	3754426.3	510.2	1.00	17.64	0.23	YES
L0112898	0	0.00000E+00	487585.8	3754424.5	509.6	1.00	17.64	0.23	YES
L0112899	0	0.00000E+00	487623.7	3754425.8	510.1	1.00	17.64	0.23	YES
L0112900	0	0.00000E+00	487661.6	3754427.1	510.7	1.00	17.64	0.23	YES
L0112901	0	0.00000E+00	487699.6	3754428.4	510.4	1.00	17.64	0.23	YES
L0112902	0	0.00000E+00	487736.7	3754435.0	510.8	1.00	17.64	0.23	YES
L0112903	0	0.00000E+00	487773.2	3754445.1	510.4	1.00	17.64	0.23	YES
L0112904	0	0.00000E+00	487810.3	3754451.0	509.9	1.00	17.64	0.23	YES
L0112905	0	0.00000E+00	487848.2	3754450.3	509.8	1.00	17.64	0.23	YES
L0112906	0	0.00000E+00	487886.1	3754449.6	508.5	1.00	17.64	0.23	YES
L0112907	0	0.00000E+00	487924.1	3754449.0	507.7	1.00	17.64	0.23	YES
L0112908	0	0.00000E+00	487962.0	3754448.3	508.4	1.00	17.64	0.23	YES
L0112909	0	0.00000E+00	487999.9	3754447.6	509.0	1.00	17.64	0.23	YES
L0112910	0	0.00000E+00	488037.8	3754447.0	508.1	1.00	17.64	0.23	YES
L0112911	0	0.00000E+00	488075.8	3754446.3	507.2	1.00	17.64	0.23	YES
L0112912	0	0.00000E+00	488113.7	3754445.6	508.2	1.00	17.64	0.23	YES
L0112913	0	0.00000E+00	488151.6	3754445.0	508.3	1.00	17.64	0.23	YES
L0112914	0	0.00000E+00	488189.5	3754444.3	509.3	1.00	17.64	0.23	YES
L0112915	0	0.00000E+00	488227.5	3754443.6	510.4	1.00	17.64	0.23	YES
L0112916	0	0.00000E+00	488265.4	3754443.0	510.7	1.00	17.64	0.23	YES
L0112917	0	0.00000E+00	488303.3	3754442.3	510.9	1.00	17.64	0.23	YES
L0112918	0	0.00000E+00	488333.9	3754420.0	509.3	1.00	17.64	0.23	YES
L0112919	0	0.00000E+00	488364.4	3754397.4	506.5	1.00	17.64	0.23	YES
L0112920	0	0.00000E+00	488394.8	3754374.8	504.5	1.00	17.64	0.23	YES
L0112921	0	0.00000E+00	488425.3	3754352.2	505.0	1.00	17.64	0.23	YES
L0112922	0	0.00000E+00	488434.4	3754340.7	505.3	1.00	18.04	0.23	YES
L0112923	0	0.00000E+00	488457.1	3754309.3	506.0	1.00	18.04	0.23	YES
L0112924	0	0.00000E+00	488457.7	3754270.7	506.0	1.00	18.04	0.23	YES
L0112925	0	0.00000E+00	488457.7	3754231.9	505.1	1.00	18.04	0.23	YES
L0112926	0	0.00000E+00	488457.7	3754193.1	501.0	1.00	18.04	0.23	YES
L0112927	0	0.00000E+00	488457.7	3754154.3	501.5	1.00	18.04	0.23	YES
L0112928	0	0.00000E+00	488457.7	3754115.5	503.6	1.00	18.04	0.23	YES
L0112929	0	0.00000E+00	488457.7	3754076.8	502.9	1.00	18.04	0.23	YES
L0112930	0	0.00000E+00	488457.7	3754038.0	502.0	1.00	18.04	0.23	YES
L0112931	0	0.00000E+00	488457.7	3753999.2	502.0	1.00	18.04	0.23	YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112932	0	0.00000E+00	488457.7	3753960.4	502.0	1.00	18.04	0.23	YES	
L0112933	0	0.00000E+00	488457.7	3753921.6	500.4	1.00	18.04	0.23	YES	
L0112934	0	0.00000E+00	488457.7	3753882.8	498.4	1.00	18.04	0.23	YES	
L0112935	0	0.00000E+00	488457.7	3753844.0	497.1	1.00	18.04	0.23	YES	
L0112936	0	0.00000E+00	488457.7	3753805.3	496.8	1.00	18.04	0.23	YES	
L0112937	0	0.00000E+00	488457.7	3753766.5	496.0	1.00	18.04	0.23	YES	
L0112938	0	0.00000E+00	488457.7	3753727.7	495.3	1.00	18.04	0.23	YES	
L0112939	0	0.00000E+00	488457.7	3753688.9	493.9	1.00	18.04	0.23	YES	
L0112940	0	0.00000E+00	488457.7	3753650.1	491.0	1.00	18.04	0.23	YES	
L0112941	0	0.00000E+00	488457.7	3753611.3	488.4	1.00	18.04	0.23	YES	
L0112942	0	0.00000E+00	488457.7	3753572.6	488.0	1.00	18.04	0.23	YES	
L0112943	0	0.00000E+00	488457.7	3753533.8	488.0	1.00	18.04	0.23	YES	
L0112944	0	0.00000E+00	488457.7	3753495.0	488.0	1.00	18.04	0.23	YES	
L0112945	0	0.00000E+00	488457.7	3753456.2	487.2	1.00	18.04	0.23	YES	
L0112946	0	0.00000E+00	488457.7	3753417.4	485.9	1.00	18.04	0.23	YES	
L0112947	0	0.00000E+00	488457.7	3753378.6	485.4	1.00	18.04	0.23	YES	
L0112948	0	0.00000E+00	488457.7	3753339.9	484.0	1.00	18.04	0.23	YES	
L0112949	0	0.00000E+00	488457.7	3753301.1	482.0	1.00	18.04	0.23	YES	
L0114125	0	0.62786E-03	487111.6	3753293.9	490.9	1.20	22.81	0.28	YES	
L0114126	0	0.62786E-03	487160.6	3753293.6	490.4	1.20	22.81	0.28	YES	
L0114127	0	0.62786E-03	487209.6	3753293.2	490.0	1.20	22.81	0.28	YES	
L0114128	0	0.62786E-03	487258.7	3753292.8	489.6	1.20	22.81	0.28	YES	
L0114129	0	0.62786E-03	487307.7	3753292.4	489.1	1.20	22.81	0.28	YES	
L0114130	0	0.62786E-03	487356.7	3753292.1	488.7	1.20	22.81	0.28	YES	
L0114131	0	0.62786E-03	487405.8	3753291.7	488.2	1.20	22.81	0.28	YES	
L0114132	0	0.62786E-03	487454.8	3753291.3	487.8	1.20	22.81	0.28	YES	
L0114133	0	0.62786E-03	487503.8	3753291.0	487.3	1.20	22.81	0.28	YES	
L0114134	0	0.62786E-03	487552.9	3753290.6	486.9	1.20	22.81	0.28	YES	
L0114135	0	0.62786E-03	487601.9	3753290.2	486.4	1.20	22.81	0.28	YES	
L0114136	0	0.62786E-03	487650.9	3753289.8	486.0	1.20	22.81	0.28	YES	
L0114137	0	0.62786E-03	487700.0	3753289.5	485.6	1.20	22.81	0.28	YES	
L0114138	0	0.62786E-03	487749.0	3753289.1	485.1	1.20	22.81	0.28	YES	
L0112964	0	0.42071E-03	487765.1	3753289.0	484.0	1.20	24.24	0.28	YES	
L0112965	0	0.42071E-03	487817.3	3753289.0	485.3	1.20	24.24	0.28	YES	
L0112966	0	0.42071E-03	487869.4	3753289.0	483.2	1.20	24.24	0.28	YES	
L0112967	0	0.42071E-03	487921.5	3753289.0	483.0	1.20	24.24	0.28	YES	
L0112968	0	0.42071E-03	487973.6	3753289.0	484.8	1.20	24.24	0.28	YES	
L0112969	0	0.42071E-03	488025.8	3753289.0	485.6	1.20	24.24	0.28	YES	
L0112970	0	0.42071E-03	488077.9	3753289.0	485.4	1.20	24.24	0.28	YES	
L0112971	0	0.42071E-03	488130.0	3753289.0	485.6	1.20	24.24	0.28	YES	

*** VOLUME SOURCE DATA ***

	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE

SOURCE ID	PART. CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	SOURCE	SCALAR VARY BY
L0112972	0	0.42071E-03	488182.1	3753289.0	485.6	1.20	24.24	0.28	YES	
L0112973	0	0.42071E-03	488234.2	3753289.0	486.3	1.20	24.24	0.28	YES	
L0112974	0	0.42071E-03	488286.4	3753289.0	484.9	1.20	24.24	0.28	YES	
L0112975	0	0.42071E-03	488338.5	3753289.0	484.4	1.20	24.24	0.28	YES	
L0112976	0	0.42071E-03	488390.6	3753289.0	484.6	1.20	24.24	0.28	YES	
L0112977	0	0.42071E-03	488442.7	3753289.0	483.3	1.20	24.24	0.28	YES	
L0114139	0	0.48000E-04	488445.9	3753289.3	483.9	1.10	18.10	0.26	YES	
L0114140	0	0.48000E-04	488446.3	3753250.4	483.6	1.10	18.10	0.26	YES	
L0114141	0	0.48000E-04	488446.8	3753211.5	483.2	1.10	18.10	0.26	YES	
L0114142	0	0.48000E-04	488447.2	3753172.6	482.9	1.10	18.10	0.26	YES	
L0114143	0	0.48000E-04	488447.7	3753133.7	482.5	1.10	18.10	0.26	YES	
L0114144	0	0.48000E-04	488448.1	3753094.8	482.2	1.10	18.10	0.26	YES	
L0114145	0	0.48000E-04	488448.5	3753055.9	481.8	1.10	18.10	0.26	YES	
L0114146	0	0.48000E-04	488449.0	3753017.0	481.5	1.10	18.10	0.26	YES	
L0114147	0	0.48000E-04	488449.4	3752978.1	481.1	1.10	18.10	0.26	YES	
L0114148	0	0.48000E-04	488449.8	3752939.2	480.8	1.10	18.10	0.26	YES	
L0114149	0	0.48000E-04	488450.3	3752900.3	480.4	1.10	18.10	0.26	YES	
L0114150	0	0.48000E-04	488450.7	3752861.4	480.1	1.10	18.10	0.26	YES	
L0112451	0	0.19759E-03	488463.9	3753299.0	481.8	1.20	23.53	0.28	YES	
L0112452	0	0.19759E-03	488514.5	3753298.8	480.9	1.20	23.53	0.28	YES	
L0112453	0	0.19759E-03	488565.1	3753298.7	482.3	1.20	23.53	0.28	YES	
L0112454	0	0.19759E-03	488615.7	3753298.5	484.1	1.20	23.53	0.28	YES	
L0112455	0	0.19759E-03	488666.3	3753298.3	483.2	1.20	23.53	0.28	YES	
L0112456	0	0.19759E-03	488716.9	3753298.1	482.0	1.20	23.53	0.28	YES	
L0112457	0	0.19759E-03	488767.5	3753298.0	482.1	1.20	23.53	0.28	YES	
L0112458	0	0.19759E-03	488818.1	3753297.8	481.1	1.20	23.53	0.28	YES	
L0112459	0	0.19759E-03	488868.7	3753297.6	482.1	1.20	23.53	0.28	YES	
L0112460	0	0.19759E-03	488919.3	3753297.4	483.4	1.20	23.53	0.28	YES	
L0112461	0	0.19759E-03	488969.9	3753297.3	485.9	1.20	23.53	0.28	YES	
L0112462	0	0.19759E-03	489020.5	3753297.1	484.2	1.20	23.53	0.28	YES	
L0112463	0	0.19759E-03	489071.1	3753296.9	484.8	1.20	23.53	0.28	YES	
L0112464	0	0.19759E-03	489121.6	3753296.7	484.9	1.20	23.53	0.28	YES	
L0112465	0	0.19759E-03	489172.2	3753296.5	486.5	1.20	23.53	0.28	YES	
L0112466	0	0.19759E-03	489222.8	3753296.4	491.6	1.20	23.53	0.28	YES	
L0112467	0	0.19759E-03	489273.4	3753296.2	494.4	1.20	23.53	0.28	YES	
L0112468	0	0.19759E-03	489324.0	3753296.0	490.5	1.20	23.53	0.28	YES	
L0112469	0	0.19759E-03	489374.6	3753295.8	489.1	1.20	23.53	0.28	YES	
L0112470	0	0.19759E-03	489425.2	3753295.7	490.3	1.20	23.53	0.28	YES	
L0112471	0	0.19759E-03	489475.8	3753295.5	490.2	1.20	23.53	0.28	YES	
L0112472	0	0.19759E-03	489526.4	3753295.3	490.5	1.20	23.53	0.28	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112473	0	0.19759E-03	489577.0	3753295.1	493.0	1.20	23.53	0.28	YES	
L0112474	0	0.19759E-03	489627.6	3753295.0	493.4	1.20	23.53	0.28	YES	
L0112475	0	0.19759E-03	489678.2	3753294.8	495.6	1.20	23.53	0.28	YES	
L0112476	0	0.19759E-03	489728.8	3753294.6	496.8	1.20	23.53	0.28	YES	
L0112477	0	0.19759E-03	489779.4	3753294.4	493.4	1.20	23.53	0.28	YES	
L0112478	0	0.19759E-03	489830.0	3753294.3	489.2	1.20	23.53	0.28	YES	
L0112479	0	0.19759E-03	489880.6	3753294.1	491.6	1.20	23.53	0.28	YES	
L0114163	0	0.29333E-03	489900.7	3753294.2	493.2	1.20	22.24	0.28	YES	
L0114164	0	0.29333E-03	489944.6	3753313.0	493.8	1.20	22.24	0.28	YES	
L0114165	0	0.29333E-03	489983.0	3753340.6	495.7	1.20	22.24	0.28	YES	
L0114166	0	0.29333E-03	490018.7	3753372.4	498.2	1.20	22.24	0.28	YES	
L0114167	0	0.29333E-03	490054.3	3753404.3	500.8	1.20	22.24	0.28	YES	
L0114168	0	0.29333E-03	490090.0	3753436.1	503.3	1.20	22.24	0.28	YES	
L0112996	0	0.00000E+00	489898.8	3753280.5	492.3	1.00	15.51	0.23	YES	
L0112997	0	0.00000E+00	489899.2	3753247.1	490.4	1.00	15.51	0.23	YES	
L0112998	0	0.00000E+00	489899.6	3753213.8	488.2	1.00	15.51	0.23	YES	
L0112999	0	0.00000E+00	489900.0	3753180.4	487.0	1.00	15.51	0.23	YES	
L0113000	0	0.00000E+00	489900.4	3753147.1	488.3	1.00	15.51	0.23	YES	
L0113001	0	0.00000E+00	489900.8	3753113.7	491.0	1.00	15.51	0.23	YES	
L0113002	0	0.00000E+00	489901.2	3753080.4	490.6	1.00	15.51	0.23	YES	
L0113003	0	0.00000E+00	489901.6	3753047.0	489.0	1.00	15.51	0.23	YES	
L0113004	0	0.00000E+00	489902.0	3753013.7	487.3	1.00	15.51	0.23	YES	
L0113005	0	0.00000E+00	489902.4	3752980.3	486.2	1.00	15.51	0.23	YES	
L0113006	0	0.00000E+00	489902.8	3752947.0	484.6	1.00	15.51	0.23	YES	
L0113007	0	0.00000E+00	489903.2	3752913.6	482.5	1.00	15.51	0.23	YES	
L0113008	0	0.00000E+00	489903.6	3752880.3	480.4	1.00	15.51	0.23	YES	
L0113009	0	0.00000E+00	489917.3	3752867.0	481.7	1.00	15.35	0.23	YES	
L0113010	0	0.00000E+00	489950.3	3752867.9	483.0	1.00	15.35	0.23	YES	
L0113011	0	0.00000E+00	489983.2	3752868.9	484.0	1.00	15.35	0.23	YES	
L0113012	0	0.00000E+00	490016.2	3752869.8	484.9	1.00	15.35	0.23	YES	
L0113013	0	0.00000E+00	490049.2	3752870.8	486.1	1.00	15.35	0.23	YES	
L0113014	0	0.00000E+00	490082.2	3752871.7	485.7	1.00	15.35	0.23	YES	
L0113015	0	0.00000E+00	490115.2	3752872.7	485.9	1.00	15.35	0.23	YES	
L0113016	0	0.00000E+00	490148.1	3752873.7	486.6	1.00	15.35	0.23	YES	
L0113017	0	0.00000E+00	490181.1	3752874.6	486.0	1.00	15.35	0.23	YES	
L0113018	0	0.00000E+00	490214.1	3752875.6	484.1	1.00	15.35	0.23	YES	
L0113019	0	0.00000E+00	490247.1	3752876.5	482.6	1.00	15.35	0.23	YES	
L0113020	0	0.00000E+00	488454.3	3752857.1	478.0	1.00	15.60	0.23	YES	
L0113021	0	0.00000E+00	488487.8	3752858.9	478.7	1.00	15.60	0.23	YES	
L0113022	0	0.00000E+00	488521.3	3752860.6	477.6	1.00	15.60	0.23	YES	

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L0113023	0	0.00000E+00	488554.8	3752862.3	475.5	1.00	15.60	0.23	YES	
L0113024	0	0.00000E+00	488588.3	3752864.1	475.3	1.00	15.60	0.23	YES	
L0113025	0	0.00000E+00	488621.7	3752865.8	476.6	1.00	15.60	0.23	YES	
L0113026	0	0.00000E+00	488655.2	3752867.6	478.0	1.00	15.60	0.23	YES	
L0113027	0	0.00000E+00	488688.7	3752869.3	478.5	1.00	15.60	0.23	YES	
L0113028	0	0.00000E+00	488722.2	3752871.1	477.6	1.00	15.60	0.23	YES	
L0113029	0	0.00000E+00	488755.7	3752872.8	477.4	1.00	15.60	0.23	YES	
L0113030	0	0.00000E+00	488789.2	3752874.6	478.3	1.00	15.60	0.23	YES	
L0113031	0	0.00000E+00	488822.6	3752876.3	478.2	1.00	15.60	0.23	YES	
L0113032	0	0.00000E+00	488856.1	3752878.1	478.1	1.00	15.60	0.23	YES	
L0113033	0	0.00000E+00	488889.6	3752879.8	478.0	1.00	15.60	0.23	YES	
L0113034	0	0.00000E+00	488923.1	3752881.6	477.7	1.00	15.60	0.23	YES	
L0113035	0	0.00000E+00	488956.6	3752883.3	478.2	1.00	15.60	0.23	YES	
L0113036	0	0.00000E+00	488990.1	3752885.1	479.7	1.00	15.60	0.23	YES	
L0113037	0	0.00000E+00	489023.5	3752886.8	481.4	1.00	15.60	0.23	YES	
L0113038	0	0.00000E+00	489057.1	3752886.3	482.7	1.00	15.60	0.23	YES	
L0113039	0	0.00000E+00	489090.6	3752885.7	481.8	1.00	15.60	0.23	YES	
L0113040	0	0.00000E+00	489124.1	3752885.1	480.7	1.00	15.60	0.23	YES	
L0113041	0	0.00000E+00	489157.6	3752884.5	479.8	1.00	15.60	0.23	YES	
L0113042	0	0.00000E+00	489191.2	3752884.0	478.8	1.00	15.60	0.23	YES	
L0113043	0	0.00000E+00	489224.7	3752883.4	478.7	1.00	15.60	0.23	YES	
L0113044	0	0.00000E+00	489258.2	3752882.8	479.7	1.00	15.60	0.23	YES	
L0113045	0	0.00000E+00	489291.7	3752882.2	480.1	1.00	15.60	0.23	YES	
L0113046	0	0.00000E+00	489325.3	3752881.7	480.1	1.00	15.60	0.23	YES	
L0113047	0	0.00000E+00	489358.8	3752881.1	480.1	1.00	15.60	0.23	YES	
L0113048	0	0.00000E+00	489392.3	3752880.5	480.0	1.00	15.60	0.23	YES	
L0113049	0	0.00000E+00	489425.8	3752879.9	480.2	1.00	15.60	0.23	YES	
L0113050	0	0.00000E+00	489459.4	3752879.4	481.3	1.00	15.60	0.23	YES	
L0113051	0	0.00000E+00	489492.9	3752878.8	481.9	1.00	15.60	0.23	YES	
L0113052	0	0.00000E+00	489526.4	3752878.2	481.9	1.00	15.60	0.23	YES	
L0113053	0	0.00000E+00	489559.9	3752877.6	482.5	1.00	15.60	0.23	YES	
L0113054	0	0.00000E+00	489593.5	3752877.1	483.5	1.00	15.60	0.23	YES	
L0113055	0	0.00000E+00	489627.0	3752876.5	484.7	1.00	15.60	0.23	YES	
L0113056	0	0.00000E+00	489660.5	3752875.9	484.9	1.00	15.60	0.23	YES	
L0113057	0	0.00000E+00	489694.0	3752875.3	483.8	1.00	15.60	0.23	YES	
L0113058	0	0.00000E+00	489727.6	3752874.8	484.1	1.00	15.60	0.23	YES	
L0113059	0	0.00000E+00	489761.1	3752874.2	485.3	1.00	15.60	0.23	YES	
L0113060	0	0.00000E+00	489794.6	3752873.6	484.9	1.00	15.60	0.23	YES	
L0113061	0	0.00000E+00	489828.1	3752873.0	482.8	1.00	15.60	0.23	YES	
L0113062	0	0.00000E+00	489861.7	3752872.5	480.7	1.00	15.60	0.23	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0113063	0	0.00000E+00	489895.2	3752871.9	480.3	1.00	15.60	0.23	YES	
L0113802	0	0.40690E-03	488256.0	3755293.6	547.9	1.30	9.20	0.30	YES	
L0113803	0	0.40690E-03	488263.4	3755275.3	547.8	1.30	9.20	0.30	YES	
L0113804	0	0.40690E-03	488270.8	3755256.9	547.0	1.30	9.20	0.30	YES	
L0113805	0	0.40690E-03	488278.2	3755238.6	546.1	1.30	9.20	0.30	YES	
L0113806	0	0.40690E-03	488285.6	3755220.3	545.6	1.30	9.20	0.30	YES	
L0113807	0	0.40690E-03	488293.0	3755201.9	546.3	1.30	9.20	0.30	YES	
L0113808	0	0.40690E-03	488300.4	3755183.6	546.5	1.30	9.20	0.30	YES	
L0113809	0	0.40690E-03	488307.8	3755165.2	546.1	1.30	9.20	0.30	YES	
L0113810	0	0.40690E-03	488315.2	3755146.9	545.5	1.30	9.20	0.30	YES	
L0113811	0	0.40690E-03	488322.7	3755128.6	544.2	1.30	9.20	0.30	YES	
L0113812	0	0.40690E-03	488330.1	3755110.2	541.8	1.30	9.20	0.30	YES	
L0113813	0	0.40690E-03	488337.5	3755091.9	539.3	1.30	9.20	0.30	YES	
L0113814	0	0.40690E-03	488344.9	3755073.6	537.2	1.30	9.20	0.30	YES	
L0113815	0	0.40690E-03	488352.3	3755055.2	535.1	1.30	9.20	0.30	YES	
L0113816	0	0.40690E-03	488359.7	3755036.9	533.0	1.30	9.20	0.30	YES	
L0113817	0	0.40690E-03	488367.1	3755018.5	531.5	1.30	9.20	0.30	YES	
L0113818	0	0.40690E-03	488374.5	3755000.2	530.1	1.30	9.20	0.30	YES	
L0113819	0	0.40690E-03	488381.9	3754981.9	528.9	1.30	9.20	0.30	YES	
L0113820	0	0.40690E-03	488389.3	3754963.5	527.8	1.30	9.20	0.30	YES	
L0113821	0	0.40690E-03	488396.7	3754945.2	527.0	1.30	9.20	0.30	YES	
L0113822	0	0.40690E-03	488404.1	3754926.9	527.9	1.30	9.20	0.30	YES	
L0113823	0	0.40690E-03	488411.5	3754908.5	527.8	1.30	9.20	0.30	YES	
L0113824	0	0.40690E-03	488418.9	3754890.2	527.3	1.30	9.20	0.30	YES	
L0113825	0	0.40690E-03	488426.3	3754871.8	526.6	1.30	9.20	0.30	YES	
L0113826	0	0.40690E-03	488433.7	3754853.5	525.6	1.30	9.20	0.30	YES	
L0113827	0	0.40690E-03	488441.1	3754835.2	524.3	1.30	9.20	0.30	YES	
L0113828	0	0.40690E-03	488448.6	3754816.8	526.0	1.30	9.20	0.30	YES	
L0113829	0	0.40690E-03	488456.0	3754798.5	526.0	1.30	9.20	0.30	YES	
L0113830	0	0.40690E-03	488463.4	3754780.1	526.5	1.30	9.20	0.30	YES	
L0114169	0	0.41743E-03	488468.1	3754776.1	526.9	1.30	9.32	0.30	YES	
L0114170	0	0.41743E-03	488477.9	3754758.6	526.5	1.30	9.32	0.30	YES	
L0114171	0	0.41743E-03	488487.7	3754741.2	526.1	1.30	9.32	0.30	YES	
L0114172	0	0.41743E-03	488497.6	3754723.7	525.7	1.30	9.32	0.30	YES	
L0114173	0	0.41743E-03	488507.4	3754706.3	525.3	1.30	9.32	0.30	YES	
L0114174	0	0.41743E-03	488517.3	3754688.8	524.9	1.30	9.32	0.30	YES	
L0114175	0	0.41743E-03	488527.1	3754671.4	524.5	1.30	9.32	0.30	YES	
L0114176	0	0.41743E-03	488536.9	3754653.9	524.0	1.30	9.32	0.30	YES	
L0114177	0	0.41743E-03	488546.8	3754636.5	523.6	1.30	9.32	0.30	YES	
L0114178	0	0.41743E-03	488556.6	3754619.0	523.2	1.30	9.32	0.30	YES	

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L0114179	0	0.41743E-03	488566.5	3754601.6	522.8	1.30	9.32	0.30	YES	
L0114180	0	0.41743E-03	488576.3	3754584.1	522.4	1.30	9.32	0.30	YES	
L0114181	0	0.41743E-03	488586.1	3754566.7	522.0	1.30	9.32	0.30	YES	
L0114182	0	0.41743E-03	488596.0	3754549.2	521.6	1.30	9.32	0.30	YES	
L0114183	0	0.41743E-03	488605.8	3754531.8	521.2	1.30	9.32	0.30	YES	
L0114184	0	0.41743E-03	488615.6	3754514.3	520.8	1.30	9.32	0.30	YES	
L0114185	0	0.41743E-03	488625.5	3754496.9	520.4	1.30	9.32	0.30	YES	
L0114186	0	0.41743E-03	488635.3	3754479.4	520.0	1.30	9.32	0.30	YES	
L0114187	0	0.41743E-03	488645.2	3754462.0	519.6	1.30	9.32	0.30	YES	
L0114188	0	0.41743E-03	488655.0	3754444.5	519.2	1.30	9.32	0.30	YES	
L0114189	0	0.41743E-03	488664.8	3754427.1	518.8	1.30	9.32	0.30	YES	
L0114190	0	0.41743E-03	488674.7	3754409.6	518.4	1.30	9.32	0.30	YES	
L0114191	0	0.41743E-03	488684.5	3754392.2	518.0	1.30	9.32	0.30	YES	
L0114192	0	0.41743E-03	488694.4	3754374.7	517.5	1.30	9.32	0.30	YES	
L0114193	0	0.41743E-03	488704.2	3754357.3	517.1	1.30	9.32	0.30	YES	
L0114194	0	0.41743E-03	488714.0	3754339.8	516.7	1.30	9.32	0.30	YES	
L0114195	0	0.41743E-03	488723.9	3754322.4	516.3	1.30	9.32	0.30	YES	
L0114196	0	0.41743E-03	488734.7	3754305.7	515.9	1.30	9.32	0.30	YES	
L0114197	0	0.41743E-03	488750.1	3754293.0	515.6	1.30	9.32	0.30	YES	
L0114198	0	0.41743E-03	488765.6	3754280.2	515.3	1.30	9.32	0.30	YES	
L0114199	0	0.41743E-03	488781.0	3754267.5	514.9	1.30	9.32	0.30	YES	
L0114200	0	0.41743E-03	488796.5	3754254.7	514.6	1.30	9.32	0.30	YES	
L0114201	0	0.41743E-03	488811.9	3754241.9	514.3	1.30	9.32	0.30	YES	
L0114202	0	0.41743E-03	488827.4	3754229.2	513.9	1.30	9.32	0.30	YES	
L0114203	0	0.41743E-03	488842.8	3754216.4	513.6	1.30	9.32	0.30	YES	
L0114204	0	0.41743E-03	488858.2	3754203.7	513.3	1.30	9.32	0.30	YES	
L0114205	0	0.41743E-03	488873.7	3754190.9	512.9	1.30	9.32	0.30	YES	
L0114206	0	0.41743E-03	488889.1	3754178.1	512.6	1.30	9.32	0.30	YES	
L0114207	0	0.41743E-03	488904.6	3754165.4	512.3	1.30	9.32	0.30	YES	
L0114208	0	0.41743E-03	488920.0	3754152.6	511.9	1.30	9.32	0.30	YES	
L0114209	0	0.41743E-03	488935.5	3754139.9	511.6	1.30	9.32	0.30	YES	
L0114210	0	0.41743E-03	488950.9	3754127.1	511.3	1.30	9.32	0.30	YES	
L0114211	0	0.41743E-03	488966.7	3754114.8	511.0	1.30	9.32	0.30	YES	
L0114212	0	0.41743E-03	488983.8	3754104.4	510.9	1.30	9.32	0.30	YES	
L0114213	0	0.41743E-03	489000.9	3754093.9	510.7	1.30	9.32	0.30	YES	
L0114214	0	0.41743E-03	489018.0	3754083.5	510.6	1.30	9.32	0.30	YES	
L0114215	0	0.41743E-03	489035.1	3754073.0	510.5	1.30	9.32	0.30	YES	
L0114216	0	0.41743E-03	489052.2	3754062.6	510.4	1.30	9.32	0.30	YES	
L0114217	0	0.41743E-03	489069.3	3754052.2	510.2	1.30	9.32	0.30	YES	
L0114218	0	0.41743E-03	489086.4	3754041.7	510.1	1.30	9.32	0.30	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0114219	0	0.41743E-03	489103.5	3754031.3	510.0	1.30	9.32	0.30	YES	
L0114220	0	0.41743E-03	489120.6	3754020.8	509.9	1.30	9.32	0.30	YES	
L0114221	0	0.41743E-03	489137.7	3754010.4	509.8	1.30	9.32	0.30	YES	
L0114222	0	0.41743E-03	489154.8	3754000.0	509.7	1.30	9.32	0.30	YES	
L0114223	0	0.41743E-03	489171.9	3753989.5	509.5	1.30	9.32	0.30	YES	
L0114224	0	0.41743E-03	489189.0	3753979.1	509.4	1.30	9.32	0.30	YES	
L0114225	0	0.41743E-03	489206.1	3753968.6	509.3	1.30	9.32	0.30	YES	
L0114226	0	0.41743E-03	489223.2	3753958.2	509.2	1.30	9.32	0.30	YES	
L0114227	0	0.41743E-03	489240.2	3753947.8	509.1	1.30	9.32	0.30	YES	
L0114228	0	0.41743E-03	489257.3	3753937.3	508.9	1.30	9.32	0.30	YES	
L0114229	0	0.41743E-03	489274.4	3753926.9	508.8	1.30	9.32	0.30	YES	
L0114230	0	0.41743E-03	489291.5	3753916.4	508.7	1.30	9.32	0.30	YES	
L0114231	0	0.41743E-03	489308.6	3753906.0	508.6	1.30	9.32	0.30	YES	
L0114232	0	0.41743E-03	489325.7	3753895.6	508.4	1.30	9.32	0.30	YES	
L0114233	0	0.41743E-03	489342.8	3753885.1	508.3	1.30	9.32	0.30	YES	
L0114234	0	0.41743E-03	489359.9	3753874.7	508.2	1.30	9.32	0.30	YES	
L0114235	0	0.41743E-03	489377.0	3753864.2	508.1	1.30	9.32	0.30	YES	
L0114236	0	0.41743E-03	489394.1	3753853.8	508.0	1.30	9.32	0.30	YES	
L0114237	0	0.41743E-03	489411.2	3753843.4	507.9	1.30	9.32	0.30	YES	
L0114238	0	0.41743E-03	489428.3	3753832.9	507.7	1.30	9.32	0.30	YES	
L0114239	0	0.41743E-03	489445.4	3753822.5	507.6	1.30	9.32	0.30	YES	
L0114240	0	0.41743E-03	489462.5	3753812.0	507.5	1.30	9.32	0.30	YES	
L0114241	0	0.41743E-03	489479.6	3753801.6	507.4	1.30	9.32	0.30	YES	
L0114242	0	0.41743E-03	489496.7	3753791.2	507.2	1.30	9.32	0.30	YES	
L0114243	0	0.41743E-03	489513.8	3753780.7	507.1	1.30	9.32	0.30	YES	
L0114244	0	0.41743E-03	489530.9	3753770.3	507.0	1.30	9.32	0.30	YES	
L0114245	0	0.41743E-03	489548.0	3753759.8	506.9	1.30	9.32	0.30	YES	
L0114246	0	0.41743E-03	489565.1	3753749.4	506.8	1.30	9.32	0.30	YES	
L0114247	0	0.41743E-03	489582.2	3753739.0	506.6	1.30	9.32	0.30	YES	
L0114248	0	0.41743E-03	489599.3	3753728.5	506.5	1.30	9.32	0.30	YES	
L0114249	0	0.41743E-03	489616.4	3753718.1	506.4	1.30	9.32	0.30	YES	
L0114250	0	0.41743E-03	489633.5	3753707.6	506.3	1.30	9.32	0.30	YES	
L0114251	0	0.41743E-03	489650.6	3753697.2	506.2	1.30	9.32	0.30	YES	
L0114252	0	0.41743E-03	489667.7	3753686.8	506.0	1.30	9.32	0.30	YES	
L0114253	0	0.41743E-03	489684.8	3753676.3	505.9	1.30	9.32	0.30	YES	
L0114254	0	0.41743E-03	489701.9	3753665.9	505.8	1.30	9.32	0.30	YES	
L0114255	0	0.41743E-03	489719.0	3753655.4	505.7	1.30	9.32	0.30	YES	
L0114256	0	0.41743E-03	489736.1	3753645.0	505.6	1.30	9.32	0.30	YES	
L0114257	0	0.41743E-03	489753.2	3753634.6	505.4	1.30	9.32	0.30	YES	
L0114258	0	0.41743E-03	489770.3	3753624.1	505.3	1.30	9.32	0.30	YES	

**MODELOPTS: NonDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0114259	0	0.41743E-03	489787.4	3753613.7	505.2	1.30	9.32	0.30	YES	
L0114260	0	0.41743E-03	489804.5	3753603.2	505.1	1.30	9.32	0.30	YES	
L0114261	0	0.41743E-03	489821.6	3753592.8	505.0	1.30	9.32	0.30	YES	
L0114262	0	0.41743E-03	489838.7	3753582.4	504.8	1.30	9.32	0.30	YES	
L0114263	0	0.41743E-03	489855.8	3753571.9	504.7	1.30	9.32	0.30	YES	
L0114264	0	0.41743E-03	489872.9	3753561.5	504.6	1.30	9.32	0.30	YES	
L0114265	0	0.41743E-03	489890.0	3753551.0	504.5	1.30	9.32	0.30	YES	
L0114266	0	0.41743E-03	489907.1	3753540.6	504.4	1.30	9.32	0.30	YES	
L0114267	0	0.41743E-03	489924.2	3753530.2	504.2	1.30	9.32	0.30	YES	
L0114268	0	0.41743E-03	489941.3	3753519.7	504.1	1.30	9.32	0.30	YES	
L0114269	0	0.41743E-03	489958.4	3753509.3	504.0	1.30	9.32	0.30	YES	
L0114270	0	0.41743E-03	489975.5	3753498.8	503.9	1.30	9.32	0.30	YES	
L0114271	0	0.41743E-03	489992.6	3753488.4	503.8	1.30	9.32	0.30	YES	
L0114272	0	0.41743E-03	490009.7	3753478.0	503.6	1.30	9.32	0.30	YES	
L0114273	0	0.41743E-03	490026.7	3753467.5	503.5	1.30	9.32	0.30	YES	
L0114274	0	0.41743E-03	490043.8	3753457.1	503.4	1.30	9.32	0.30	YES	
L0114275	0	0.41743E-03	490060.9	3753446.6	503.3	1.30	9.32	0.30	YES	
L0114276	0	0.41743E-03	490078.0	3753436.2	503.2	1.30	9.32	0.30	YES	
L0114277	0	0.41743E-03	490095.1	3753425.8	503.0	1.30	9.32	0.30	YES	
L0114278	0	0.53718E-03	490104.1	3753442.3	503.9	1.20	9.38	0.28	YES	
L0114279	0	0.53718E-03	490121.5	3753432.0	503.5	1.20	9.38	0.28	YES	
L0114280	0	0.53718E-03	490138.9	3753421.8	503.2	1.20	9.38	0.28	YES	
L0114281	0	0.53718E-03	490156.2	3753411.5	502.8	1.20	9.38	0.28	YES	
L0114282	0	0.53718E-03	490173.6	3753401.2	502.4	1.20	9.38	0.28	YES	
L0114283	0	0.53718E-03	490191.0	3753391.0	502.0	1.20	9.38	0.28	YES	
L0114284	0	0.53718E-03	490208.3	3753380.7	501.6	1.20	9.38	0.28	YES	
L0114285	0	0.53718E-03	490225.7	3753370.4	501.3	1.20	9.38	0.28	YES	
L0114286	0	0.53718E-03	490243.1	3753360.2	500.9	1.20	9.38	0.28	YES	
L0114287	0	0.53718E-03	490260.4	3753349.9	500.5	1.20	9.38	0.28	YES	
L0114288	0	0.53718E-03	490277.8	3753339.7	500.1	1.20	9.38	0.28	YES	
L0114289	0	0.53718E-03	490295.2	3753329.4	499.8	1.20	9.38	0.28	YES	
L0114290	0	0.53718E-03	490312.5	3753319.1	499.4	1.20	9.38	0.28	YES	
L0114291	0	0.53718E-03	490329.9	3753308.9	499.0	1.20	9.38	0.28	YES	
L0114292	0	0.53718E-03	490347.3	3753298.6	498.6	1.20	9.38	0.28	YES	
L0114293	0	0.53718E-03	490364.6	3753288.3	498.2	1.20	9.38	0.28	YES	
L0114294	0	0.53718E-03	490382.0	3753278.1	497.9	1.20	9.38	0.28	YES	
L0114295	0	0.53718E-03	490399.4	3753267.8	497.5	1.20	9.38	0.28	YES	
L0114296	0	0.53718E-03	490416.7	3753257.6	497.1	1.20	9.38	0.28	YES	
L0114297	0	0.53718E-03	490434.1	3753247.3	496.8	1.20	9.38	0.28	YES	
L0114298	0	0.53718E-03	490451.5	3753237.0	496.4	1.20	9.38	0.28	YES	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0114299	0	0.53718E-03	490468.8	3753226.8	496.0	1.20	9.38	0.28	YES	
L0114300	0	0.53718E-03	490486.2	3753216.5	495.6	1.20	9.38	0.28	YES	
L0114301	0	0.53718E-03	490503.6	3753206.2	495.2	1.20	9.38	0.28	YES	
L0114302	0	0.53718E-03	490520.9	3753196.0	494.9	1.20	9.38	0.28	YES	
L0114303	0	0.53718E-03	490538.3	3753185.7	494.5	1.20	9.38	0.28	YES	
L0114304	0	0.53718E-03	490555.7	3753175.5	494.1	1.20	9.38	0.28	YES	
L0114305	0	0.53718E-03	490573.0	3753165.2	493.7	1.20	9.38	0.28	YES	
L0114306	0	0.53718E-03	490590.4	3753154.9	493.4	1.20	9.38	0.28	YES	
L0114307	0	0.53718E-03	490607.8	3753144.7	493.0	1.20	9.38	0.28	YES	
L0114308	0	0.53718E-03	490625.1	3753134.4	492.6	1.20	9.38	0.28	YES	
L0114309	0	0.53718E-03	490642.5	3753124.1	492.2	1.20	9.38	0.28	YES	
L0114310	0	0.53718E-03	490657.6	3753111.4	491.7	1.20	9.38	0.28	YES	
L0114311	0	0.53718E-03	490669.5	3753095.1	491.1	1.20	9.38	0.28	YES	
L0114312	0	0.53718E-03	490681.4	3753078.8	490.5	1.20	9.38	0.28	YES	
L0114313	0	0.53718E-03	490693.3	3753062.5	489.8	1.20	9.38	0.28	YES	
L0114314	0	0.53718E-03	490705.2	3753046.2	489.2	1.20	9.38	0.28	YES	
L0114315	0	0.53718E-03	490717.1	3753029.9	488.6	1.20	9.38	0.28	YES	
L0114316	0	0.53718E-03	490729.0	3753013.6	487.9	1.20	9.38	0.28	YES	
L0114317	0	0.53718E-03	490740.9	3752997.3	487.3	1.20	9.38	0.28	YES	
L0114318	0	0.53718E-03	490752.8	3752981.1	486.7	1.20	9.38	0.28	YES	
L0114319	0	0.53718E-03	490764.7	3752964.8	486.0	1.20	9.38	0.28	YES	
L0114320	0	0.53718E-03	490776.6	3752948.5	485.4	1.20	9.38	0.28	YES	
L0114321	0	0.53718E-03	490788.4	3752932.2	484.8	1.20	9.38	0.28	YES	
L0114322	0	0.53718E-03	490800.3	3752915.9	484.1	1.20	9.38	0.28	YES	
L0114323	0	0.53718E-03	490812.2	3752899.6	483.5	1.20	9.38	0.28	YES	
L0114324	0	0.53718E-03	490824.1	3752883.3	482.9	1.20	9.38	0.28	YES	
L0114325	0	0.53718E-03	490836.0	3752867.0	482.2	1.20	9.38	0.28	YES	
L0114326	0	0.53718E-03	490847.9	3752850.7	481.6	1.20	9.38	0.28	YES	
L0114327	0	0.53718E-03	490859.8	3752834.4	480.9	1.20	9.38	0.28	YES	
L0114328	0	0.53718E-03	490871.7	3752818.1	480.3	1.20	9.38	0.28	YES	
L0114329	0	0.53718E-03	490883.6	3752801.8	479.7	1.20	9.38	0.28	YES	
L0114330	0	0.53718E-03	490895.5	3752785.5	479.0	1.20	9.38	0.28	YES	
L0114331	0	0.53718E-03	490907.4	3752769.2	478.4	1.20	9.38	0.28	YES	
L0114332	0	0.53718E-03	490919.2	3752752.9	477.8	1.20	9.38	0.28	YES	
L0114333	0	0.53718E-03	490931.1	3752736.6	477.1	1.20	9.38	0.28	YES	
L0114334	0	0.53718E-03	490943.0	3752720.3	476.5	1.20	9.38	0.28	YES	
L0114335	0	0.53718E-03	490954.9	3752704.0	475.9	1.20	9.38	0.28	YES	
L0114336	0	0.53718E-03	490966.8	3752687.7	475.2	1.20	9.38	0.28	YES	
L0114337	0	0.53718E-03	490978.7	3752671.4	474.6	1.20	9.38	0.28	YES	
L0114338	0	0.53718E-03	490990.6	3752655.1	474.0	1.20	9.38	0.28	YES	

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**MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0114339	0	0.53718E-03	491002.5	3752638.8	473.3	1.20	9.38	0.28	YES	
L0114340	0	0.53718E-03	491014.4	3752622.6	472.7	1.20	9.38	0.28	YES	
L0114341	0	0.53718E-03	491026.3	3752606.3	472.1	1.20	9.38	0.28	YES	
L0114342	0	0.53718E-03	491038.2	3752590.0	471.4	1.20	9.38	0.28	YES	
L0114343	0	0.53718E-03	491050.1	3752573.7	470.8	1.20	9.38	0.28	YES	
L0114344	0	0.53718E-03	491061.9	3752557.4	470.2	1.20	9.38	0.28	YES	
L0114345	0	0.53718E-03	491073.8	3752541.1	469.5	1.20	9.38	0.28	YES	
L0114346	0	0.53718E-03	491085.7	3752524.8	468.9	1.20	9.38	0.28	YES	
L0114347	0	0.53718E-03	491097.6	3752508.5	468.2	1.20	9.38	0.28	YES	
L0114348	0	0.53718E-03	491109.5	3752492.2	467.6	1.20	9.38	0.28	YES	
L0114349	0	0.53718E-03	491121.4	3752475.9	467.0	1.20	9.38	0.28	YES	
L0114350	0	0.53718E-03	491133.3	3752459.6	466.3	1.20	9.38	0.28	YES	
L0114351	0	0.53718E-03	491145.2	3752443.3	465.7	1.20	9.38	0.28	YES	
L0114352	0	0.53718E-03	491157.1	3752427.0	465.1	1.20	9.38	0.28	YES	
L0114353	0	0.53718E-03	491169.0	3752410.7	464.4	1.20	9.38	0.28	YES	
L0114354	0	0.53718E-03	491180.9	3752394.4	463.8	1.20	9.38	0.28	YES	
L0114355	0	0.53718E-03	491192.7	3752378.1	463.2	1.20	9.38	0.28	YES	


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**MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL
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*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
PHASE1	0	0.39400E-08	485577.5	3755020.4	527.6	2.30	11	0.00	YES	


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**MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs							
ALL	PHASE1 ,	L0114018 ,	L0114019 ,	L0114020 ,	L0114021 ,	L0114022 ,	L0114023 ,	L0114024 ,
	L0114025 ,	L0114026 ,	L0114027 ,	L0114028 ,	L0114029 ,	L0114030 ,	L0114031 ,	L0114032 ,
	L0114033 ,	L0112145 ,	L0112146 ,	L0112147 ,	L0112148 ,	L0112149 ,	L0112150 ,	L0112151 ,
	L0112152 ,	L0112153 ,	L0112154 ,	L0112155 ,	L0112156 ,	L0112157 ,	L0112158 ,	L0112159 ,
	L0112160 ,	L0112161 ,	L0112162 ,	L0112163 ,	L0112164 ,	L0112165 ,	L0112166 ,	L0112167 ,
	L0112168 ,	L0112169 ,	L0112170 ,	L0112171 ,	L0112172 ,	L0112173 ,	L0112174 ,	L0112175 ,
	L0113629 ,	L0113630 ,	L0113631 ,	L0113632 ,	L0113633 ,	L0113634 ,	L0113635 ,	L0113636 ,
	L0113637 ,	L0113638 ,	L0113639 ,	L0113640 ,	L0113641 ,	L0113642 ,	L0113643 ,	L0113644 ,
	L0113645 ,	L0113646 ,	L0113647 ,	L0113648 ,	L0113649 ,	L0113650 ,	L0113651 ,	L0113652 ,
	L0113653 ,	L0114034 ,	L0114035 ,	L0114036 ,	L0114037 ,	L0114038 ,	L0114039 ,	L0114040 ,
	L0114041 ,	L0114042 ,	L0114043 ,	L0114044 ,	L0114045 ,	L0114046 ,	L0114047 ,	L0114048 ,
	L0114049 ,	L0114050 ,	L0114051 ,	L0114052 ,	L0114053 ,	L0114054 ,	L0114055 ,	L0114056 ,
	L0114057 ,	L0114058 ,	L0114059 ,	L0114060 ,	L0114061 ,	L0114062 ,	L0114063 ,	L0114064 ,
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**MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017          ***        12/19/12
                                    *** PM10 (No Refrigeration)                                                 ***        17:22:10
                                                                                                                           PAGE  23
 **MODELOPTS:  NonDFAULT CONC                                                    ELEV
                        FASTALL

                                                  *** SOURCE IDs DEFINING SOURCE GROUPS ***
 GROUP ID                                                   SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017          ***        12/19/12
                                    *** PM10 (No Refrigeration)                                                 ***        17:22:10
                                                                                                                           PAGE  24
 **MODELOPTS:  NonDFAULT CONC                                                    ELEV
                        FASTALL

                                                  *** SOURCE IDs DEFINING SOURCE GROUPS ***
 GROUP ID                                                   SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                   *** PM10 (No Refrigeration)                                              ***        17:22:10
                                                                                                                       PAGE  25
 **MODELOPTs:  NonDFAULT CONC                                                  ELEV
                         FASTALL

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                   SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                   *** PM10 (No Refrigeration)                                              ***        17:22:10
                                                                                                                       PAGE  26
 **MODELOPTs:  NonDFAULT CONC                                                  ELEV
                         FASTALL

                                          *** GRIDDED RECEPTOR NETWORK SUMMARY ***

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                          *** X-COORDINATES OF GRID ***
                                                   (METERS)

       461553.0,  462553.0,  463553.0,  464553.0,  465553.0,  466553.0,  467553.0,  468553.0,  469553.0,  470553.0,
       471553.0,  472553.0,  473553.0,  474553.0,  475553.0,  476553.0,  477553.0,  478553.0,  479553.0,  480553.0,
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                                          *** Y-COORDINATES OF GRID ***
                                                   (METERS)

      3741938.3, 3742938.3, 3743938.3, 3744938.3, 3745938.3, 3746938.3, 3747938.3, 3748938.3, 3749938.3, 3750938.3,
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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                   *** PM10 (No Refrigeration)                                              ***        17:22:10
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 **MODELOPTs:  NonDFAULT CONC                                                  ELEV
                         FASTALL

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                          * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                        X-COORD (METERS)
    (METERS) |     461553.03    462553.03    463553.03    464553.03    465553.03    466553.03    467553.03    468553.03    469553.03
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3767938.31 |        317.90       315.50       311.70       305.80       301.50       279.60       278.50       272.60       279.20
  3766938.31 |        336.30       305.50       294.90       294.00       283.00       268.30       267.10       395.80       277.90
  3765938.31 |        325.60       405.70       301.30       289.30       287.10       261.20       293.50       397.30       291.80
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3764938.31	311.30	365.90	350.10	293.30	273.50	258.00	261.00	288.90	288.10
3763938.31	295.70	394.50	275.10	267.50	248.90	253.00	257.10	276.60	299.60
3762938.31	266.30	266.90	261.00	243.60	247.90	254.20	263.80	281.00	306.80
3761938.31	242.70	240.00	239.10	241.70	250.50	255.90	268.10	287.50	312.50
3760938.31	227.40	232.20	233.60	267.10	260.30	266.80	279.00	295.10	323.80
3759938.31	231.00	227.90	306.60	254.10	267.80	278.00	287.90	303.00	326.30
3758938.31	225.00	236.10	253.00	263.10	271.10	278.30	294.20	306.30	325.20
3757938.31	242.90	247.20	257.60	287.20	273.70	269.10	286.50	309.40	333.40
3756938.31	240.20	249.30	257.40	270.00	287.90	314.60	321.20	305.30	333.60
3755938.31	246.00	257.10	266.10	276.80	293.20	340.60	359.10	392.00	355.20
3754938.31	248.50	260.00	276.80	296.00	315.10	378.50	397.50	424.40	446.50
3753938.31	260.60	269.80	285.70	300.20	343.20	384.50	408.70	459.30	492.70
3752938.31	270.20	283.70	306.80	324.20	359.90	410.50	453.20	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	370.10	406.50	435.60	459.70	473.80
3750938.31	302.60	319.90	344.80	357.00	359.90	410.40	467.40	475.40	487.80
3749938.31	329.00	337.50	391.80	442.20	444.30	439.90	466.10	486.40	501.00
3748938.31	396.00	335.40	377.80	424.70	452.80	466.30	492.50	530.60	513.50
3747938.31	427.10	444.20	382.70	398.40	434.20	525.50	527.90	535.40	508.80
3746938.31	441.20	476.80	468.20	415.80	447.50	476.50	480.20	486.90	492.60
3745938.31	443.70	473.10	464.50	438.00	420.80	444.80	467.60	496.10	513.30
3744938.31	430.60	450.90	441.80	434.80	446.20	468.50	540.20	507.00	518.10
3743938.31	417.00	420.10	430.30	443.00	447.20	451.30	469.00	476.40	478.80
3742938.31	435.90	446.30	466.50	498.00	501.00	511.50	481.80	517.80	556.40
3741938.31	474.60	533.00	551.60	552.10	619.20	572.30	597.50	653.00	564.20

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	283.60	289.00	304.20	312.00	323.50	341.00	348.00	353.60	357.50
3766938.31	301.20	333.70	340.60	336.20	384.40	409.90	380.20	386.80	384.50
3765938.31	313.20	342.50	448.10	359.20	407.10	458.80	482.50	461.70	459.60
3764938.31	311.10	346.40	657.00	455.30	395.40	467.20	504.80	545.20	510.30
3763938.31	325.70	353.10	435.90	504.40	420.40	430.90	500.60	554.40	626.90
3762938.31	318.70	356.60	382.20	408.20	498.60	534.40	470.90	509.90	539.10
3761938.31	411.70	551.30	580.90	449.90	615.40	776.00	690.30	617.60	548.30
3760938.31	399.70	469.40	625.60	642.80	582.20	632.10	814.90	830.10	632.90
3759938.31	352.70	380.50	666.10	820.90	599.20	547.70	579.10	784.30	625.60
3758938.31	356.30	404.00	732.30	830.30	615.10	544.90	541.10	565.00	602.60
3757938.31	390.90	429.40	509.10	790.60	782.00	562.30	524.60	545.10	576.90
3756938.31	396.60	462.40	469.80	513.40	695.40	563.20	521.90	516.20	540.60
3755938.31	451.40	484.60	457.40	488.80	514.90	515.10	503.90	508.20	511.80
3754938.31	462.00	468.90	467.80	474.40	483.10	495.10	497.10	497.00	496.10
3753938.31	485.80	444.20	462.50	468.20	470.10	483.70	489.90	488.60	488.00
3752938.31	496.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	499.70	534.90	498.40	478.90	472.10	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	472.60	465.30	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	467.20	456.80	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	476.10	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	454.60	452.80	451.90
3746938.31	525.30	513.50	511.80	533.20	519.10	469.50	454.30	454.50	447.50
3745938.31	546.30	513.20	510.80	517.60	521.80	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	533.40	477.40	461.80	449.40	445.80
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	522.10	528.30	527.90	518.60	512.50	490.80	475.50	452.00	447.80
3741938.31	593.90	581.10	555.50	534.60	537.70	549.40	498.00	460.30	442.90

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** PM10 (No Refrigeration) *** 17:22:10
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	373.90	406.60	408.60	429.30	457.00	476.70	495.00	534.80	562.90
3765938.31	441.20	390.60	450.20	458.00	486.40	516.70	539.40	562.30	602.20
3764938.31	472.90	447.20	408.10	450.00	508.00	549.40	579.80	596.40	630.70
3763938.31	573.90	480.90	465.10	443.30	451.50	526.90	616.60	643.00	665.40
3762938.31	633.40	621.10	497.10	513.60	500.30	473.20	549.60	558.50	597.70
3761938.31	633.80	696.10	578.40	595.10	536.00	493.00	521.50	573.40	589.70
3760938.31	612.70	771.50	774.50	667.50	632.60	595.90	532.50	510.00	543.10
3759938.31	750.20	721.00	823.40	796.40	718.30	624.10	577.90	559.90	566.90
3758938.31	769.50	817.80	682.00	715.80	715.30	649.00	632.00	705.60	627.80
3757938.31	654.20	735.40	726.40	625.20	646.60	603.80	643.90	673.20	703.70
3756938.31	578.40	596.10	632.00	636.80	574.80	581.40	584.90	593.20	633.90
3755938.31	534.90	550.50	557.10	551.80	558.10	556.20	551.80	549.40	578.00
3754938.31	501.90	518.80	513.20	530.30	535.20	537.10	527.60	525.60	526.30
3753938.31	484.50	494.20	500.90	507.30	527.20	515.60	503.90	503.00	496.40
3752938.31	472.20	481.00	482.10	483.90	484.30	487.50	488.10	487.40	479.60
3751938.31	472.00	468.70	466.60	469.20	467.20	475.60	513.80	650.90	533.40
3750938.31	462.20	464.30	454.80	461.90	476.80	531.30	771.00	658.60	548.10
3749938.31	461.90	456.70	491.00	524.00	524.30	563.50	580.90	550.10	513.70
3748938.31	453.60	458.80	528.40	666.50	545.30	516.50	507.70	500.10	534.60
3747938.31	448.80	453.60	630.60	614.60	504.60	497.40	478.00	495.60	566.60
3746938.31	443.40	457.10	486.30	478.00	478.00	478.00	478.00	535.10	465.60
3745938.31	444.60	444.00	451.50	478.00	478.00	478.00	544.70	620.50	435.80
3744938.31	442.20	442.80	446.20	452.70	478.00	491.40	688.80	460.70	434.70
3743938.31	442.20	443.90	443.80	449.80	518.60	704.30	461.70	433.40	439.40
3742938.31	443.00	436.50	441.80	460.50	485.80	462.50	436.60	434.40	437.20
3741938.31	440.00	440.00	443.20	464.70	494.00	451.40	435.10	436.80	444.80

**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	585.60	659.90	750.50	849.50	964.60	887.60	799.80	842.60
3766938.31	620.90	644.20	726.40	740.70	749.70	765.90	746.90	783.40	825.20
3765938.31	647.50	671.10	648.30	644.30	667.00	700.80	752.10	785.40	821.00
3764938.31	645.70	628.90	634.80	634.90	658.40	717.30	744.10	769.90	803.90
3763938.31	641.80	636.10	611.10	647.70	662.20	696.20	735.10	762.10	788.90
3762938.31	567.80	579.90	612.80	639.70	683.70	703.20	737.10	760.10	788.60
3761938.31	645.00	662.30	670.20	680.00	684.30	717.00	734.10	758.40	782.00
3760938.31	605.10	665.70	651.20	671.30	699.20	686.90	709.50	748.60	777.00
3759938.31	554.60	565.70	601.70	627.90	662.80	672.60	705.00	707.60	735.00
3758938.31	691.80	646.90	606.20	641.40	617.10	646.90	656.00	701.50	705.00
3757938.31	708.00	700.40	691.40	714.50	700.80	636.00	691.20	708.50	717.50
3756938.31	671.60	698.80	672.20	693.20	762.30	676.60	660.50	722.70	744.70
3755938.31	584.70	625.90	643.00	724.20	685.50	740.50	714.80	678.00	696.50
3754938.31	538.80	559.60	583.70	611.70	661.10	631.20	658.60	711.00	714.10
3753938.31	497.80	504.20	536.20	577.90	576.60	604.60	594.70	629.30	712.60
3752938.31	476.00	484.00	483.20	521.60	511.20	551.60	565.60	597.80	713.90
3751938.31	461.80	464.20	456.50	460.80	483.90	546.20	559.10	588.10	668.30
3750938.31	452.20	443.30	437.30	433.00	456.70	508.60	521.70	564.30	641.50
3749938.31	440.90	437.90	432.30	428.00	441.00	462.30	480.10	618.00	616.20
3748938.31	447.80	435.20	433.30	430.10	431.40	434.70	436.80	562.80	649.90
3747938.31	441.10	433.70	435.40	437.00	430.60	428.00	432.60	441.60	530.80
3746938.31	435.20	470.70	436.80	436.10	434.50	439.70	433.90	437.50	452.70
3745938.31	432.10	434.70	437.10	439.10	440.90	438.60	438.10	435.60	446.20
3744938.31	435.10	440.90	436.10	438.20	441.30	441.00	441.10	438.90	439.20
3743938.31	445.10	447.60	443.00	442.10	473.20	470.40	440.10	441.00	440.30
3742938.31	453.00	463.60	463.40	470.40	558.30	719.10	644.10	446.20	448.60
3741938.31	459.30	477.60	489.00	576.80	623.40	693.40	713.10	512.00	449.70

**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	884.20	929.90	993.80	1066.90	1171.60	1243.50	1319.20	1434.80	1630.30
3766938.31	883.00	946.60	1050.80	1085.60	1198.10	1517.00	1503.00	1502.80	1502.40
3765938.31	883.90	1004.20	1177.00	1131.40	1192.90	1410.70	1471.10	1478.60	1400.30
3764938.31	850.10	947.40	1013.60	1008.70	1179.60	1281.10	1301.70	1306.10	1382.20
3763938.31	829.40	857.30	905.40	964.90	1044.10	1180.20	1202.20	1179.70	1257.70
3762938.31	822.50	865.90	944.60	1007.70	1037.60	1078.00	1127.90	1158.40	1182.30
3761938.31	809.00	878.30	953.60	1169.40	1036.50	1099.60	1048.30	1047.60	1121.70
3760938.31	787.90	883.00	940.40	982.90	1006.80	962.30	991.10	1006.40	1068.70
3759938.31	799.00	833.90	872.10	865.40	882.00	901.80	917.10	980.90	1014.00
3758938.31	739.80	775.50	823.60	827.30	844.80	866.20	876.00	896.40	973.80
3757938.31	745.50	766.60	789.80	806.10	812.70	836.20	847.10	869.00	891.20
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	796.10	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	733.70	739.00	748.20	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	698.30	742.60	758.40	806.00	784.40	793.40	782.90	776.00	774.50
3751938.31	688.50	698.30	788.50	827.60	779.20	816.00	826.50	776.50	765.50
3750938.31	637.60	658.70	761.70	746.60	753.10	763.30	778.20	767.10	824.50
3749938.31	565.10	605.60	688.00	741.70	730.60	768.40	748.50	743.00	742.90
3748938.31	600.40	581.60	634.10	689.10	721.10	712.00	735.90	695.10	721.80
3747938.31	612.80	550.40	629.60	635.50	674.00	749.80	680.90	680.10	661.60
3746938.31	475.00	519.90	658.40	668.60	636.20	659.50	635.50	626.90	644.80
3745938.31	457.70	478.30	548.30	576.50	593.60	572.70	612.10	688.50	733.30
3744938.31	445.20	446.70	455.30	487.90	797.60	730.60	713.70	991.50	924.10
3743938.31	441.00	442.60	443.20	451.00	524.60	831.50	1033.10	970.20	1073.70
3742938.31	441.80	443.80	445.20	450.00	460.10	583.10	792.30	1036.30	1119.40
3741938.31	445.60	445.70	445.30	450.20	453.60	459.80	469.30	669.80	974.60

**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	677.00	570.00	311.70	305.80	301.50	279.60	328.00	406.00	735.00
3766938.31	677.00	677.00	478.00	303.00	283.00	289.00	434.00	406.00	735.00
3765938.31	677.00	478.00	518.00	478.00	287.10	429.00	434.00	434.00	735.00
3764938.31	677.00	518.00	518.00	518.00	273.50	258.00	434.00	735.00	735.00
3763938.31	677.00	518.00	518.00	518.00	248.90	253.00	257.10	735.00	758.00
3762938.31	677.00	518.00	518.00	518.00	247.90	259.00	580.00	735.00	905.00
3761938.31	518.00	518.00	518.00	373.00	250.50	255.90	580.00	905.00	932.00
3760938.31	227.40	392.00	392.00	392.00	260.30	266.80	580.00	932.00	932.00
3759938.31	231.00	392.00	392.00	392.00	267.80	278.00	905.00	932.00	932.00
3758938.31	225.00	251.00	253.00	263.10	271.10	278.30	905.00	932.00	932.00

3757938.31	242.90	247.20	257.60	343.00	319.00	294.00	905.00	932.00	932.00
3756938.31	240.20	249.30	257.40	318.00	287.90	314.60	330.00	932.00	932.00
3755938.31	246.00	257.10	266.10	276.80	432.00	432.00	359.10	404.00	932.00
3754938.31	248.50	260.00	276.80	296.00	432.00	432.00	397.50	427.00	459.00
3753938.31	260.60	269.80	337.00	300.20	372.00	401.00	408.70	459.30	492.70
3752938.31	270.20	288.00	306.80	324.20	359.90	439.00	470.00	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	374.00	498.00	498.00	466.00	473.80
3750938.31	302.60	319.90	344.80	384.00	359.90	472.00	467.40	475.40	487.80
3749938.31	411.00	337.50	458.00	458.00	446.00	448.00	466.10	486.40	501.00
3748938.31	405.00	480.00	395.00	424.70	455.00	466.30	492.50	543.00	513.50
3747938.31	428.00	456.00	498.00	398.40	559.00	559.00	537.00	535.40	508.80
3746938.31	441.20	476.80	488.00	445.00	447.50	476.50	480.20	486.90	492.60
3745938.31	445.00	478.00	468.00	438.00	420.80	450.00	467.60	496.10	513.30
3744938.31	464.00	450.90	441.80	434.80	451.00	501.00	540.20	507.00	518.10
3743938.31	417.00	422.00	430.30	632.00	633.00	633.00	661.00	685.00	478.80
3742938.31	597.00	710.00	710.00	632.00	633.00	633.00	687.00	687.00	687.00
3741938.31	710.00	710.00	710.00	736.00	633.00	602.00	661.00	680.00	734.00

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	735.00	735.00	735.00	735.00	735.00	341.00	348.00	353.60	357.50
3766938.31	735.00	735.00	735.00	735.00	735.00	481.00	563.00	634.00	642.00
3765938.31	735.00	735.00	735.00	841.00	735.00	461.00	563.00	635.00	644.00
3764938.31	735.00	758.00	735.00	735.00	941.00	941.00	941.00	941.00	941.00
3763938.31	867.00	867.00	856.00	856.00	941.00	941.00	941.00	941.00	634.00
3762938.31	932.00	932.00	941.00	941.00	941.00	941.00	941.00	941.00	941.00
3761938.31	905.00	850.00	867.00	941.00	941.00	874.00	941.00	941.00	941.00
3760938.31	932.00	932.00	905.00	905.00	941.00	941.00	941.00	941.00	941.00
3759938.31	932.00	932.00	932.00	867.00	941.00	941.00	941.00	941.00	941.00
3758938.31	932.00	932.00	932.00	905.00	932.00	941.00	941.00	941.00	941.00
3757938.31	932.00	932.00	932.00	932.00	932.00	941.00	941.00	941.00	941.00
3756938.31	932.00	932.00	932.00	932.00	932.00	932.00	941.00	941.00	890.00
3755938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	890.00
3754938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	497.00	496.10
3753938.31	485.80	932.00	932.00	932.00	932.00	932.00	489.90	488.60	488.00
3752938.31	509.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	509.00	541.00	503.00	478.90	479.00	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	479.00	490.00	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	468.00	490.00	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	478.00	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	462.00	452.80	451.90
3746938.31	566.00	513.50	511.80	536.00	519.10	469.50	454.30	454.50	457.00
3745938.31	559.00	513.20	510.80	517.60	540.00	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	548.00	477.40	461.80	449.40	447.00
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	734.00	528.30	527.90	518.60	515.00	490.80	475.50	455.00	452.00
3741938.31	734.00	734.00	555.50	534.60	537.70	549.40	597.00	460.30	442.90

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	537.00	406.60	408.60	429.30	457.00	516.00	508.00	534.80	565.00
3765938.31	644.00	537.00	495.00	525.00	493.00	516.70	539.40	588.00	645.00
3764938.31	941.00	687.00	858.00	525.00	523.00	575.00	579.80	596.40	666.00
3763938.31	687.00	941.00	858.00	858.00	858.00	623.00	625.00	643.00	677.00
3762938.31	941.00	782.00	858.00	858.00	858.00	641.00	581.00	693.00	693.00
3761938.31	941.00	858.00	858.00	858.00	858.00	858.00	555.00	616.00	654.00
3760938.31	941.00	824.00	858.00	858.00	858.00	802.00	771.00	751.00	654.00
3759938.31	887.00	890.00	833.00	829.00	802.00	771.00	771.00	774.00	774.00
3758938.31	890.00	890.00	890.00	829.00	741.00	731.00	751.00	751.00	774.00
3757938.31	890.00	890.00	890.00	890.00	684.00	603.80	738.00	774.00	774.00
3756938.31	890.00	890.00	890.00	682.00	574.80	581.40	584.90	774.00	774.00
3755938.31	890.00	890.00	890.00	721.00	558.10	556.20	551.80	549.40	607.00
3754938.31	890.00	890.00	518.00	530.30	617.00	537.10	527.60	525.60	528.00
3753938.31	484.50	494.20	500.90	617.00	617.00	615.00	811.00	811.00	777.00
3752938.31	472.20	481.00	482.10	483.90	811.00	811.00	811.00	811.00	811.00
3751938.31	472.00	468.70	466.60	798.00	811.00	811.00	811.00	811.00	811.00
3750938.31	462.20	741.00	777.00	798.00	811.00	811.00	798.00	811.00	811.00
3749938.31	766.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00	811.00
3748938.31	777.00	777.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00
3747938.31	777.00	777.00	777.00	777.00	777.00	810.00	811.00	810.00	804.00
3746938.31	777.00	777.00	777.00	777.00	810.00	810.00	810.00	810.00	810.00
3745938.31	444.60	777.00	777.00	810.00	810.00	810.00	810.00	810.00	810.00
3744938.31	442.20	442.80	757.00	810.00	810.00	810.00	810.00	810.00	810.00
3743938.31	442.20	443.90	757.00	810.00	810.00	757.00	810.00	810.00	810.00
3742938.31	443.00	436.50	757.00	757.00	810.00	810.00	810.00	810.00	810.00
3741938.31	440.00	443.00	757.00	757.00	757.00	810.00	810.00	810.00	444.80

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	985.00	1018.00	1018.00	1018.00	985.00	1018.00	1656.00	1771.00
3766938.31	626.00	757.00	757.00	985.00	1018.00	1018.00	1611.00	1677.00	1771.00
3765938.31	663.00	671.10	784.00	1018.00	1018.00	1018.00	1611.00	1677.00	1771.00
3764938.31	681.00	628.90	634.80	634.90	985.00	717.30	1611.00	1677.00	1740.00
3763938.31	668.00	687.00	638.00	664.00	690.00	721.00	735.10	1677.00	1677.00
3762938.31	686.00	682.00	684.00	690.00	689.00	720.00	737.10	1611.00	1677.00
3761938.31	686.00	678.00	682.00	691.00	705.00	717.00	734.10	758.40	1677.00
3760938.31	697.00	685.00	677.00	715.00	708.00	696.00	723.00	776.00	785.00
3759938.31	769.00	755.00	701.00	715.00	717.00	708.00	705.00	707.60	1200.00
3758938.31	755.00	762.00	764.00	648.00	712.00	677.00	736.00	710.00	705.00
3757938.31	769.00	764.00	764.00	748.00	730.00	794.00	736.00	712.00	730.00
3756938.31	760.00	761.00	764.00	763.00	794.00	794.00	735.00	728.00	744.70
3755938.31	760.00	760.00	683.00	727.00	794.00	768.00	742.00	678.00	717.00
3754938.31	546.00	639.00	627.00	727.00	711.00	768.00	747.00	739.00	757.00
3753938.31	777.00	569.00	596.00	581.00	692.00	653.00	745.00	771.00	771.00
3752938.31	811.00	777.00	575.00	529.00	628.00	615.00	625.00	771.00	746.00
3751938.31	811.00	777.00	461.00	460.80	578.00	546.20	592.00	746.00	709.00
3750938.31	811.00	811.00	437.30	433.00	456.70	518.00	713.00	713.00	680.00
3749938.31	811.00	811.00	432.30	428.00	441.00	713.00	713.00	713.00	713.00
3748938.31	811.00	729.00	729.00	432.00	439.00	713.00	713.00	713.00	663.00
3747938.31	804.00	804.00	729.00	437.00	430.60	428.00	713.00	713.00	663.00
3746938.31	810.00	804.00	599.00	436.10	434.50	439.70	433.90	653.00	663.00
3745938.31	810.00	804.00	437.10	439.10	796.00	796.00	438.10	435.60	446.20
3744938.31	810.00	804.00	436.10	796.00	796.00	796.00	796.00	796.00	439.20
3743938.31	810.00	447.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3742938.31	453.00	463.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3741938.31	459.30	477.60	796.00	796.00	796.00	796.00	781.00	796.00	796.00

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3766938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1641.00	1771.00	1771.00	1771.00
3765938.31	1771.00	1771.00	1677.00	1771.00	1771.00	1677.00	1677.00	1771.00	1771.00
3764938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3763938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3762938.31	1677.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3761938.31	1677.00	1677.00	1677.00	1183.00	1677.00	1677.00	1771.00	1771.00	1771.00
3760938.31	1677.00	1611.00	1677.00	1677.00	1677.00	1771.00	1771.00	1771.00	1677.00
3759938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1771.00	1771.00	1677.00	1333.00
3758938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1677.00	1677.00	1677.00	1058.00
3757938.31	748.00	766.60	1200.00	1200.00	1194.00	836.20	847.10	1058.00	1058.00
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	799.00	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	754.00	772.00	780.00	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	741.00	744.00	859.00	818.00	784.40	793.40	782.90	776.00	774.50
3751938.31	702.00	859.00	869.00	869.00	781.00	816.00	826.50	936.00	936.00
3750938.31	679.00	869.00	799.00	869.00	792.00	773.00	791.00	936.00	936.00
3749938.31	782.00	860.00	774.00	749.00	819.00	819.00	753.00	936.00	936.00
3748938.31	644.00	670.00	716.00	711.00	783.00	783.00	745.00	748.00	726.00
3747938.31	618.00	800.00	800.00	800.00	830.00	830.00	1129.00	1147.00	1147.00
3746938.31	800.00	800.00	800.00	800.00	1147.00	1147.00	1168.00	1168.00	1168.00
3745938.31	800.00	1133.00	1133.00	1147.00	1168.00	1168.00	1168.00	1168.00	1168.00
3744938.31	1129.00	1147.00	1168.00	1168.00	1133.00	1168.00	1168.00	1016.00	1168.00
3743938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1133.00	1168.00	1078.00
3742938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00
3741938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

484551.7, 484651.7, 484751.7, 484851.7, 484951.7, 485051.7, 485151.7, 485251.7, 485351.7, 485451.7,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.4, 3751034.4, 3751134.4, 3751234.4, 3751334.4, 3751434.4, 3751534.4, 3751634.4, 3751734.4, 3751834.4,
3751934.4, 3752034.4, 3752134.4, 3752234.4, 3752334.4, 3752434.4, 3752534.4, 3752634.4, 3752734.4, 3752834.4,
3752934.4, 3753034.4, 3753134.4, 3753234.4, 3753334.4, 3753434.4, 3753534.4, 3753634.4, 3753734.4, 3753834.4,
3753934.4, 3754034.4, 3754134.4, 3754234.4, 3754334.4, 3754434.4, 3754534.4, 3754634.4,

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** PM10 (No Refrigeration) *** 17:22:10
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	524.70	525.20	523.10	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	523.30	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	521.50	520.70	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	518.70	518.40	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	516.90	518.10	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	518.10	514.80	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	517.70	512.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	515.80	511.30	512.10	511.60	512.10	508.80	506.80	509.90	509.10
3753834.43	510.50	509.90	507.90	511.00	507.90	508.00	508.50	506.70	502.40
3753734.43	507.90	507.90	506.50	506.80	505.40	503.10	508.40	504.90	503.30
3753634.43	505.40	508.10	501.40	503.70	503.70	503.30	503.20	503.00	502.00
3753534.43	502.40	500.60	501.10	505.00	504.30	501.80	501.10	498.80	499.90
3753434.43	498.20	500.10	501.50	501.30	502.50	501.60	499.50	497.50	498.00
3753334.43	498.80	499.20	497.80	498.20	498.30	499.50	497.40	496.00	496.90
3753234.43	496.80	496.00	496.70	497.80	496.40	495.20	496.20	494.90	496.00
3753134.43	498.10	497.00	494.60	493.00	495.50	495.30	497.10	492.90	491.50
3753034.43	494.30	493.10	494.60	493.00	494.00	492.80	493.70	491.30	491.10
3752934.43	487.60	488.10	490.80	488.60	490.80	489.70	490.10	490.20	488.40
3752834.43	488.90	488.00	489.10	488.80	488.50	487.50	487.80	490.40	486.40
3752734.43	486.30	487.90	485.40	485.50	485.30	487.90	484.30	486.00	484.80
3752634.43	486.90	484.10	487.00	485.90	483.90	490.10	488.80	486.00	483.20
3752534.43	483.40	482.40	478.60	483.50	481.50	482.10	483.90	481.50	482.60
3752434.43	480.00	484.30	482.60	483.00	481.10	477.10	483.10	479.20	483.50
3752334.43	478.40	481.10	480.70	479.00	480.30	479.30	481.40	480.90	483.80
3752234.43	475.80	477.00	481.50	478.90	478.30	472.50	481.10	479.50	483.70
3752134.43	475.40	478.80	479.20	479.80	480.70	479.50	480.70	485.90	491.70
3752034.43	480.20	481.20	476.20	478.10	482.00	478.70	482.40	487.10	493.80
3751934.43	475.60	477.20	479.30	478.60	479.40	482.60	487.80	490.10	497.20
3751834.43	475.90	478.80	480.40	483.60	480.90	486.20	491.70	498.90	506.50
3751734.43	482.60	483.70	490.40	491.10	488.70	490.80	495.50	501.30	512.70
3751634.43	487.30	492.60	492.30	493.50	495.90	493.70	501.30	512.90	527.00
3751534.43	490.70	494.00	501.90	502.10	505.60	504.10	514.20	535.70	561.00
3751434.43	495.40	502.10	507.10	510.40	512.40	522.30	540.90	563.70	601.20
3751334.43	500.20	504.10	509.30	515.40	516.70	531.00	556.50	596.00	635.10
3751234.43	504.80	510.60	515.40	521.50	530.10	547.10	570.50	612.20	650.20
3751134.43	512.40	513.00	516.40	540.90	547.30	559.70	574.00	609.80	636.10
3751034.43	514.10	518.70	538.20	566.60	558.70	570.80	594.70	631.60	660.00
3750934.43	532.10	531.70	564.30	576.10	577.60	587.10	618.00	658.00	693.50

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	516.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	507.50
3753934.43	507.60
3753834.43	504.10
3753734.43	502.70
3753634.43	500.40
3753534.43	500.80
3753434.43	497.40
3753334.43	496.10
3753234.43	494.70
3753134.43	492.30
3753034.43	491.70
3752934.43	485.90
3752834.43	487.20
3752734.43	485.10
3752634.43	485.10
3752534.43	484.10
3752434.43	485.40
3752334.43	484.70
3752234.43	491.00
3752134.43	493.80
3752034.43	502.20
3751934.43	504.90
3751834.43	515.40
3751734.43	523.90
3751634.43	548.80
3751534.43	594.90
3751434.43	642.40
3751334.43	689.90
3751234.43	687.90
3751134.43	679.30
3751034.43	697.10
3750934.43	732.40

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** PM10 (No Refrigeration) *** 17:22:10
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	615.00	527.00	526.00	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	615.00	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	616.00	615.00	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	616.00	615.00	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	616.00	615.00	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	616.00	615.00	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	615.00	615.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	615.00	559.00	512.10	511.60	512.10	508.80	811.00	811.00	811.00
3753834.43	615.00	559.00	507.90	511.00	811.00	811.00	811.00	811.00	811.00
3753734.43	613.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3750934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	520.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	811.00
3753934.43	811.00
3753834.43	811.00
3753734.43	811.00
3753634.43	811.00
3753534.43	811.00
3753434.43	811.00
3753334.43	811.00
3753234.43	811.00
3753134.43	811.00
3753034.43	811.00
3752934.43	811.00
3752834.43	811.00
3752734.43	811.00
3752634.43	811.00
3752534.43	811.00
3752434.43	811.00
3752334.43	811.00
3752234.43	811.00
3752134.43	811.00
3752034.43	811.00
3751934.43	811.00
3751834.43	811.00
3751734.43	811.00
3751634.43	811.00
3751534.43	811.00
3751434.43	811.00
3751334.43	811.00
3751234.43	811.00
3751134.43	811.00
3751034.43	811.00
3750934.43	811.00

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

485549.5, 485649.5, 485749.5, 485849.5,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.9, 3751034.9, 3751134.9, 3751234.9, 3751334.9, 3751434.9, 3751534.9, 3751634.9, 3751734.9, 3751834.9,
3751934.9, 3752034.9, 3752134.9, 3752234.9, 3752334.9, 3752434.9, 3752534.9, 3752634.9, 3752734.9, 3752834.9,
3752934.9, 3753034.9, 3753134.9, 3753234.9, 3753334.9, 3753434.9,

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** PM10 (No Refrigeration) *** 17:22:10
PAGE 43

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	497.00	494.70	493.80	492.50
3753334.90	495.20	494.30	494.20	494.90
3753234.90	493.20	495.50	492.40	492.80
3753134.90	490.00	490.70	490.50	489.50
3753034.90	490.20	491.70	489.20	490.10
3752934.90	488.20	488.60	486.50	488.00
3752834.90	489.00	487.30	488.80	488.50
3752734.90	488.90	487.30	487.40	486.30
3752634.90	486.00	486.60	486.90	486.00
3752534.90	486.00	484.20	484.00	486.00
3752434.90	485.70	485.00	488.10	493.30
3752334.90	489.50	491.30	494.00	502.10
3752234.90	493.50	496.70	497.00	506.50
3752134.90	498.50	502.00	503.90	507.60
3752034.90	508.20	508.10	511.20	522.80
3751934.90	513.90	513.00	519.30	532.40
3751834.90	518.10	529.70	538.40	559.00
3751734.90	531.80	533.60	558.40	605.00
3751634.90	557.00	570.60	588.90	622.30
3751534.90	599.00	611.20	626.10	628.30
3751434.90	659.50	664.00	669.40	643.70
3751334.90	702.50	703.50	696.20	663.60
3751234.90	708.30	736.50	713.70	692.00
3751134.90	720.70	748.90	725.50	720.30
3751034.90	744.10	769.60	738.00	734.40
3750934.90	771.00	782.40	753.40	754.20

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** PM10 (No Refrigeration) *** 17:22:10
PAGE 44

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	811.00	811.00	811.00	811.00
3753334.90	811.00	811.00	811.00	811.00
3753234.90	811.00	811.00	811.00	811.00
3753134.90	811.00	811.00	811.00	811.00
3753034.90	811.00	811.00	811.00	811.00
3752934.90	811.00	811.00	811.00	811.00
3752834.90	811.00	811.00	811.00	811.00
3752734.90	811.00	811.00	811.00	811.00
3752634.90	811.00	811.00	811.00	811.00
3752534.90	811.00	811.00	811.00	811.00
3752434.90	811.00	811.00	811.00	811.00
3752334.90	811.00	811.00	811.00	811.00
3752234.90	811.00	811.00	811.00	811.00
3752134.90	811.00	811.00	811.00	811.00
3752034.90	811.00	811.00	811.00	811.00
3751934.90	811.00	811.00	811.00	811.00
3751834.90	811.00	811.00	811.00	811.00
3751734.90	811.00	811.00	811.00	811.00
3751634.90	811.00	811.00	811.00	811.00
3751534.90	811.00	811.00	811.00	811.00
3751434.90	811.00	811.00	811.00	811.00
3751334.90	811.00	811.00	811.00	811.00
3751234.90	811.00	811.00	811.00	811.00
3751134.90	811.00	811.00	811.00	811.00
3751034.90	811.00	798.00	811.00	811.00
3750934.90	798.00	798.00	811.00	811.00

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** PM10 (No Refrigeration) *** 17:22:10
PAGE 45

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(485619.4, 3753969.7, 505.7, 811.0, 0.0); (485713.0, 3753961.9, 506.6, 811.0, 0.0);
(487190.8, 3754410.3, 509.4, 776.0, 0.0); (487194.8, 3754289.5, 507.2, 777.0, 0.0);
(487268.8, 3754090.6, 503.1, 777.0, 0.0); (487483.3, 3754102.3, 502.0, 777.0, 0.0);

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** PM10 (No Refrigeration) *** 17:22:10
PAGE 46

**MODELOPTS: NonDFAULT CONC ELEV

```
FASTALL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
  LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

      SOURCE          - - RECEPTOR LOCATION - -         DISTANCE
        ID            XR (METERS)   YR (METERS)         (METERS)
    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

    L0113734            485553.0     3754938.3            -8.64
    L0113735            485553.0     3754938.3            -0.74
    L0112888            487190.8     3754410.3            -0.17
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                 *** PM10 (No Refrigeration)                                                  ***        17:22:10
                                                                                                                         PAGE  47
 **MODELOPTS:  NonDFAULT CONC                                                    ELEV
                         FASTALL

                                          *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                      (1=YES; 0=NO)

          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1

              NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                     *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                      (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                 *** PM10 (No Refrigeration)                                                  ***        17:22:10
                                                                                                                         PAGE  48
 **MODELOPTS:  NonDFAULT CONC                                                    ELEV
                         FASTALL

                                      *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

   Surface file:   RIVR2.SFC                                                                                  Met Version:  11059
   Profile file:   RIVR2.PFL
   Surface format: FREE
   Profile format: FREE
   Surface station no.:        2                  Upper air station no.:     3190
                  Name: UNKNOWN                                   Name: UNKNOWN
                  Year:   2005                                    Year:   2005

 First 24 hours of scalar data
 YR MO DY JDY HR     HO     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    ZO  BOWEN ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 05 01 01   1 01   -7.5  0.135 -9.000 -9.000 -999.  115.     29.0  0.39   1.00   1.00    1.60  338.    9.1  279.2    5.5
 05 01 01   1 02   -2.2  0.057 -9.000 -9.000 -999.   34.      7.4  0.39   1.00   1.00    0.90  264.    9.1  279.2    5.5
 05 01 01   1 03   -4.0  0.070 -9.000 -9.000 -999.   42.      7.4  0.39   1.00   1.00    1.10   54.    9.1  278.8    5.5
 05 01 01   1 04   -1.6  0.044 -9.000 -9.000 -999.   21.      4.7  0.39   1.00   1.00    0.70  360.    9.1  278.8    5.5
 05 01 01   1 05   -2.7  0.063 -9.000 -9.000 -999.   37.      8.2  0.39   1.00   1.00    1.00  318.    9.1  278.1    5.5
 05 01 01   1 06   -2.8  0.070 -9.000 -9.000 -999.   42.     10.5  0.39   1.00   1.00    1.10   53.    9.1  277.5    5.5
 05 01 01   1 07   -3.8  0.070 -9.000 -9.000 -999.   42.      7.7  0.39   1.00   1.00    1.10  134.    9.1  278.8    5.5
 05 01 01   1 08   -2.3  0.057 -9.000 -9.000 -999.   31.      7.0  0.39   1.00   0.53    0.90  319.    9.1  278.8    5.5
 05 01 01   1 09   29.7  0.193  0.388  0.005   69.  195.    -21.1  0.39   1.00   0.32    1.20  110.    9.1  282.0    5.5
 05 01 01   1 10   78.5  0.248  1.193  0.005  760.  285.    -17.1  0.39   1.00   0.25    1.50  107.    9.1  284.2    5.5
 05 01 01   1 11  118.9  0.316  1.511  0.007 1020.  409.    -23.3  0.39   1.00   0.22    2.00  122.    9.1  285.9    5.5
 05 01 01   1 12  132.2  0.238  1.665  0.009 1227.  270.     -9.0  0.39   1.00   0.21    1.30  154.    9.1  287.0    5.5
 05 01 01   1 13   80.9  0.249  1.421  0.009 1245.  286.    -16.8  0.39   1.00   0.21    1.50  166.    9.1  287.0    5.5
 05 01 01   1 14   80.7  0.305  1.427  0.009 1263.  388.    -31.0  0.39   1.00   0.23    2.00  235.    9.1  287.5    5.5
 05 01 01   1 15   36.6  0.321  1.098  0.009 1270.  419.    -79.5  0.39   1.00   0.26    2.30  305.    9.1  286.4    5.5
 05 01 01   1 16    1.2  0.206  0.354  0.009 1271.  221.   -629.7  0.39   1.00   0.35    1.60  292.    9.1  285.9    5.5
 05 01 01   1 17  -11.9  0.181 -9.000 -9.000 -999.  178.     44.1  0.39   1.00   0.63    1.90  280.    9.1  285.4    5.5
 05 01 01   1 18  -17.1  0.313 -9.000 -9.000 -999.  404.    158.3  0.39   1.00   1.00    2.70  304.    9.1  284.2    5.5
 05 01 01   1 19   -8.7  0.159 -9.000 -9.000 -999.  161.     40.6  0.39   1.00   1.00    1.70  311.    9.1  283.8    5.5
 05 01 01   1 20   -3.8  0.070 -9.000 -9.000 -999.   48.      7.8  0.39   1.00   1.00    1.10   13.    9.1  283.1    5.5
 05 01 01   1 21   -4.7  0.076 -9.000 -9.000 -999.   48.      8.2  0.39   1.00   1.00    1.20    8.    9.1  282.0    5.5
 05 01 01   1 22   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80  183.    9.1  280.9    5.5
 05 01 01   1 23   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   16.    9.1  280.4    5.5
 05 01 01   1 24   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   62.    9.1  279.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 05 01 01 01    5.5 0 -999.  -99.00   279.3   99.0  -99.00  -99.00
 05 01 01 01    9.1 1  338.    1.60  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                 *** PM10 (No Refrigeration)                                                  ***        17:22:10
                                                                                                                         PAGE  49
 **MODELOPTS:  NonDFAULT CONC                                                    ELEV
                         FASTALL

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     PHASE1      , L0114018    , L0114019    , L0114020    , L0114021    ,
                         L0114022    , L0114023    , L0114024    , L0114025    , L0114026    , L0114027    , L0114028    , L0114029    ,
                         L0114030    , L0114031    , L0114032    , L0114033    , L0112145    , L0112146    , L0112147    , L0112148    ,
                         L0112149    , L0112150    , L0112151    , L0112152    , L0112153    , L0112154    , L0112155    ,  . . .      ,

                                 *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3                          **
```

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	0.00207	0.00213	0.00220	0.00226	0.00234	0.00239	0.00247	0.00255	0.00266
3766938.31	0.00213	0.00215	0.00221	0.00229	0.00236	0.00242	0.00251	0.00287	0.00274
3765938.31	0.00214	0.00235	0.00226	0.00232	0.00241	0.00246	0.00262	0.00295	0.00284
3764938.31	0.00214	0.00231	0.00237	0.00237	0.00243	0.00250	0.00262	0.00278	0.00291
3763938.31	0.00213	0.00238	0.00227	0.00236	0.00243	0.00254	0.00266	0.00282	0.00301
3762938.31	0.00211	0.00220	0.00227	0.00234	0.00245	0.00258	0.00272	0.00289	0.00310
3761938.31	0.00210	0.00218	0.00227	0.00237	0.00249	0.00261	0.00276	0.00295	0.00317
3760938.31	0.00211	0.00220	0.00229	0.00244	0.00254	0.00267	0.00283	0.00301	0.00326
3759938.31	0.00214	0.00222	0.00243	0.00245	0.00258	0.00273	0.00289	0.00308	0.00332
3758938.31	0.00216	0.00226	0.00238	0.00250	0.00263	0.00277	0.00295	0.00315	0.00338
3757938.31	0.00219	0.00229	0.00241	0.00257	0.00267	0.00279	0.00298	0.00321	0.00348
3756938.31	0.00218	0.00229	0.00241	0.00254	0.00270	0.00291	0.00309	0.00323	0.00352
3755938.31	0.00217	0.00228	0.00240	0.00253	0.00270	0.00295	0.00317	0.00347	0.00359
3754938.31	0.00214	0.00225	0.00238	0.00253	0.00270	0.00300	0.00323	0.00351	0.00382
3753938.31	0.00212	0.00222	0.00235	0.00249	0.00270	0.00294	0.00318	0.00352	0.00382
3752938.31	0.00208	0.00219	0.00232	0.00246	0.00265	0.00291	0.00318	0.00344	0.00367
3751938.31	0.00204	0.00213	0.00223	0.00238	0.00257	0.00278	0.00299	0.00322	0.00345
3750938.31	0.00198	0.00208	0.00220	0.00231	0.00242	0.00263	0.00289	0.00305	0.00323
3749938.31	0.00192	0.00200	0.00216	0.00233	0.00243	0.00253	0.00270	0.00286	0.00296
3748938.31	0.00192	0.00189	0.00202	0.00218	0.00232	0.00244	0.00257	0.00225	0.00266
3747938.31	0.00188	0.00197	0.00194	0.00204	0.00218	0.00198	0.00208	0.00217	0.00261
3746938.31	0.00183	0.00195	0.00201	0.00199	0.00213	0.00227	0.00238	0.00251	0.00264
3745938.31	0.00178	0.00189	0.00195	0.00197	0.00203	0.00216	0.00231	0.00243	0.00249
3744938.31	0.00172	0.00181	0.00187	0.00193	0.00203	0.00217	0.00195	0.00233	0.00240
3743938.31	0.00167	0.00173	0.00182	0.00191	0.00200	0.00209	0.00221	0.00232	0.00243
3742938.31	0.00167	0.00175	0.00185	0.00191	0.00198	0.00201	0.00217	0.00213	0.00191
3741938.31	0.00171	0.00147	0.00141	0.00146	0.00130	0.00151	0.00153	0.00140	0.00178

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114018 , L0114019 , L0114020 , L0114021 ,
L0114022 , L0114023 , L0114024 , L0114025 , L0114026 , L0114027 , L0114028 , L0114029 ,
L0114030 , L0114031 , L0114032 , L0114033 , L0112145 , L0112146 , L0112147 , L0112148 ,
L0112149 , L0112150 , L0112151 , L0112152 , L0112153 , L0112154 , L0112155 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	0.00276	0.00288	0.00301	0.00313	0.00327	0.00344	0.00361	0.00381	0.00403
3766938.31	0.00289	0.00309	0.00323	0.00335	0.00362	0.00384	0.00392	0.00414	0.00436
3765938.31	0.00302	0.00322	0.00368	0.00357	0.00389	0.00424	0.00451	0.00468	0.00495
3764938.31	0.00310	0.00335	0.00286	0.00405	0.00406	0.00453	0.00475	0.00462	0.00530
3763938.31	0.00323	0.00348	0.00394	0.00428	0.00436	0.00467	0.00513	0.00497	0.00444
3762938.31	0.00330	0.00360	0.00390	0.00424	0.00479	0.00492	0.00547	0.00587	0.00600
3761938.31	0.00365	0.00355	0.00369	0.00457	0.00399	0.00317	0.00393	0.00519	0.00669
3760938.31	0.00369	0.00417	0.00343	0.00354	0.00455	0.00434	0.00355	0.00390	0.00575
3759938.31	0.00361	0.00396	0.00324	0.00281	0.00456	0.00559	0.00586	0.00424	0.00631
3758938.31	0.00370	0.00414	0.00284	0.00287	0.00457	0.00598	0.00670	0.00726	0.00724
3757938.31	0.00390	0.00433	0.00482	0.00288	0.00324	0.00602	0.00723	0.00812	0.00864
3756938.31	0.00399	0.00454	0.00495	0.00536	0.00383	0.00622	0.00755	0.00875	0.00999
3755938.31	0.00419	0.00463	0.00496	0.00555	0.00613	0.00688	0.00786	0.00908	0.01071
3754938.31	0.00416	0.00453	0.00494	0.00546	0.00611	0.00692	0.00792	0.00920	0.01089
3753938.31	0.00410	0.00432	0.00477	0.00527	0.00585	0.00663	0.00759	0.00879	0.01038
3752938.31	0.00392	0.00424	0.00457	0.00497	0.00551	0.00617	0.00698	0.00800	0.00936
3751938.31	0.00367	0.00365	0.00425	0.00462	0.00504	0.00558	0.00625	0.00711	0.00825
3750938.31	0.00321	0.00317	0.00382	0.00423	0.00461	0.00506	0.00568	0.00643	0.00745
3749938.31	0.00276	0.00292	0.00335	0.00394	0.00430	0.00472	0.00524	0.00593	0.00677
3748938.31	0.00266	0.00288	0.00324	0.00370	0.00408	0.00445	0.00492	0.00549	0.00615
3747938.31	0.00270	0.00290	0.00317	0.00349	0.00389	0.00422	0.00459	0.00506	0.00564
3746938.31	0.00261	0.00291	0.00315	0.00327	0.00365	0.00398	0.00428	0.00469	0.00519
3745938.31	0.00243	0.00284	0.00304	0.00321	0.00339	0.00374	0.00402	0.00438	0.00485
3744938.31	0.00260	0.00278	0.00292	0.00307	0.00309	0.00354	0.00380	0.00413	0.00461
3743938.31	0.00255	0.00265	0.00279	0.00293	0.00308	0.00337	0.00362	0.00396	0.00444
3742938.31	0.00227	0.00233	0.00245	0.00270	0.00293	0.00323	0.00351	0.00383	0.00430
3741938.31	0.00176	0.00193	0.00212	0.00240	0.00252	0.00262	0.00339	0.00375	0.00417

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114018 , L0114019 , L0114020 , L0114021 ,
L0114022 , L0114023 , L0114024 , L0114025 , L0114026 , L0114027 , L0114028 , L0114029 ,
L0114030 , L0114031 , L0114032 , L0114033 , L0112145 , L0112146 , L0112147 , L0112148 ,
L0112149 , L0112150 , L0112151 , L0112152 , L0112153 , L0112154 , L0112155 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	0.00429	0.00456	0.00486	0.00518	0.00553	0.00588	0.00619	0.00639	0.00635
3766938.31	0.00459	0.00502	0.00532	0.00572	0.00616	0.00656	0.00688	0.00661	0.00650
3765938.31	0.00520	0.00531	0.00598	0.00640	0.00690	0.00734	0.00749	0.00710	0.00661
3764938.31	0.00572	0.00604	0.00627	0.00700	0.00765	0.00801	0.00802	0.00740	0.00682
3763938.31	0.00557	0.00673	0.00726	0.00773	0.00841	0.00924	0.00817	0.00728	0.00705
3762938.31	0.00506	0.00574	0.00814	0.00896	0.00984	0.01056	0.01157	0.01124	0.01009
3761938.31	0.00555	0.00509	0.00806	0.00826	0.01130	0.01250	0.01368	0.01291	0.01239
3760938.31	0.00679	0.00528	0.00575	0.00745	0.00908	0.01234	0.01645	0.01788	0.01809

3759938.31	0.00542	0.00636	0.00658	0.00740	0.00893	0.01278	0.01709	0.02138	0.02173
3758938.31	0.00589	0.00659	0.00845	0.00926	0.01062	0.01376	0.01706	0.01771	0.02107
3757938.31	0.00741	0.00753	0.00910	0.01295	0.01460	0.02010	0.02191	0.02549	0.02650
3756938.31	0.01060	0.01160	0.01194	0.01449	0.02478	0.03067	0.03889	0.04676	0.04644
3755938.31	0.01277	0.01528	0.01899	0.02551	0.03389	0.05046	0.08339	0.14589	0.11970
3754938.31	0.01324	0.01667	0.02154	0.03007	0.04427	0.07609	0.55682	0.80291	0.99244
3753938.31	0.01251	0.01571	0.02053	0.02833	0.04096	0.07600	0.46208	0.66225	0.83823
3752938.31	0.01105	0.01365	0.01738	0.02334	0.03389	0.05798	0.18376	0.35284	0.44057
3751938.31	0.00974	0.01177	0.01465	0.01902	0.02609	0.04170	0.08169	0.07793	0.14862
3750938.31	0.00867	0.01036	0.01245	0.01587	0.02196	0.03133	0.02600	0.03815	0.07699
3749938.31	0.00783	0.00912	0.01128	0.01376	0.01850	0.02301	0.02524	0.04009	0.05837
3748938.31	0.00701	0.00819	0.00969	0.00686	0.01576	0.02166	0.02689	0.03349	0.03981
3747938.31	0.00637	0.00745	0.00573	0.00774	0.01471	0.01785	0.02109	0.02555	0.02645
3746938.31	0.00587	0.00696	0.00860	0.01052	0.01269	0.01487	0.01724	0.01974	0.02353
3745938.31	0.00554	0.00650	0.00784	0.00957	0.01115	0.01270	0.01356	0.01151	0.01840
3744938.31	0.00528	0.00618	0.00730	0.00854	0.00986	0.01108	0.00698	0.01386	0.01529
3743938.31	0.00507	0.00590	0.00682	0.00776	0.00868	0.00525	0.01065	0.01161	0.01305
3742938.31	0.00490	0.00559	0.00636	0.00716	0.00793	0.00856	0.00920	0.01015	0.01126
3741938.31	0.00472	0.00533	0.00594	0.00659	0.00722	0.00764	0.00821	0.00901	0.00994

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114018 , L0114019 , L0114020 , L0114021 ,
L0114022 , L0114023 , L0114024 , L0114025 , L0114026 , L0114027 , L0114028 , L0114029 ,
L0114030 , L0114031 , L0114032 , L0114033 , L0112145 , L0112146 , L0112147 , L0112148 ,
L0112149 , L0112150 , L0112151 , L0112152 , L0112153 , L0112154 , L0112155 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	0.00628	0.00591	0.00496	0.00438	0.00379	0.00306	0.00336	0.00336	0.00306
3766938.31	0.00602	0.00565	0.00481	0.00478	0.00433	0.00407	0.00398	0.00360	0.00313
3765938.31	0.00622	0.00595	0.00624	0.00606	0.00540	0.00478	0.00423	0.00370	0.00340
3764938.31	0.00700	0.00750	0.00735	0.00671	0.00600	0.00509	0.00447	0.00403	0.00374
3763938.31	0.00799	0.00827	0.00879	0.00718	0.00655	0.00565	0.00483	0.00446	0.00433
3762938.31	0.01193	0.01162	0.00955	0.00819	0.00688	0.00594	0.00540	0.00518	0.00489
3761938.31	0.01062	0.01031	0.00909	0.00838	0.00740	0.00664	0.00637	0.00593	0.00567
3760938.31	0.01490	0.01174	0.01099	0.00946	0.00837	0.00831	0.00762	0.00704	0.00635
3759938.31	0.02323	0.02044	0.01538	0.01247	0.01099	0.01026	0.00907	0.00810	0.00706
3758938.31	0.01871	0.01763	0.01797	0.01523	0.01586	0.01276	0.01093	0.00897	0.00803
3757938.31	0.02467	0.02124	0.01995	0.01795	0.01548	0.01483	0.01150	0.00984	0.00877
3756938.31	0.03698	0.03315	0.02831	0.02277	0.01819	0.01584	0.01413	0.01169	0.01018
3755938.31	0.08936	0.05573	0.04102	0.03043	0.02441	0.01938	0.01620	0.01405	0.01176
3754938.31	0.69956	0.15124	0.07829	0.04848	0.03258	0.02673	0.02035	0.01580	0.01325
3753938.31	0.45299	0.67418	0.19888	0.08876	0.05992	0.03737	0.03081	0.02143	0.01548
3752938.31	0.36949	0.30244	0.57538	0.21174	0.11070	0.06323	0.04359	0.02873	0.01778
3751938.31	0.15624	0.15158	0.16238	0.18982	0.12004	0.07329	0.05226	0.03523	0.02145
3750938.31	0.09324	0.09196	0.09202	0.09040	0.08102	0.06820	0.05588	0.04119	0.02481
3749938.31	0.06120	0.06351	0.06290	0.06134	0.05786	0.05239	0.04653	0.02769	0.02544
3748938.31	0.04477	0.04655	0.04678	0.04592	0.04372	0.04012	0.03647	0.03047	0.01985
3747938.31	0.03339	0.03555	0.03643	0.03629	0.03473	0.03238	0.03013	0.02819	0.02627
3746938.31	0.02587	0.02934	0.02920	0.02925	0.02856	0.02737	0.02547	0.02395	0.02282
3745938.31	0.02073	0.02272	0.02391	0.02427	0.02403	0.02316	0.02196	0.02068	0.01976
3744938.31	0.01715	0.01890	0.01991	0.02042	0.02042	0.01996	0.01917	0.01820	0.01733
3743938.31	0.01458	0.01599	0.01698	0.01753	0.01805	0.01777	0.01687	0.01620	0.01549
3742938.31	0.01257	0.01384	0.01482	0.01552	0.01447	0.00866	0.01031	0.01460	0.01408
3741938.31	0.01100	0.01210	0.01306	0.01258	0.01005	0.00809	0.00778	0.01350	0.01283

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114018 , L0114019 , L0114020 , L0114021 ,
L0114022 , L0114023 , L0114024 , L0114025 , L0114026 , L0114027 , L0114028 , L0114029 ,
L0114030 , L0114031 , L0114032 , L0114033 , L0112145 , L0112146 , L0112147 , L0112148 ,
L0112149 , L0112150 , L0112151 , L0112152 , L0112153 , L0112154 , L0112155 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	0.00269	0.00236	0.00213	0.00184	0.00128	0.00090	0.00066	0.00049	0.00033
3766938.31	0.00293	0.00248	0.00215	0.00196	0.00123	0.00043	0.00044	0.00043	0.00044
3765938.31	0.00317	0.00268	0.00155	0.00182	0.00141	0.00060	0.00051	0.00050	0.00061
3764938.31	0.00365	0.00318	0.00287	0.00287	0.00170	0.00108	0.00097	0.00092	0.00067
3763938.31	0.00412	0.00394	0.00373	0.00332	0.00280	0.00176	0.00151	0.00154	0.00113
3762938.31	0.00466	0.00446	0.00384	0.00338	0.00296	0.00254	0.00210	0.00179	0.00158
3761938.31	0.00530	0.00479	0.00406	0.00228	0.00317	0.00260	0.00276	0.00256	0.00202
3760938.31	0.00573	0.00508	0.00439	0.00397	0.00355	0.00340	0.00307	0.00283	0.00244
3759938.31	0.00620	0.00561	0.00507	0.00463	0.00424	0.00385	0.00348	0.00310	0.00288
3758938.31	0.00697	0.00616	0.00553	0.00505	0.00465	0.00433	0.00407	0.00379	0.00332
3757938.31	0.00775	0.00697	0.00631	0.00577	0.00532	0.00490	0.00453	0.00418	0.00384
3756938.31	0.00901	0.00792	0.00701	0.00630	0.00569	0.00519	0.00478	0.00442	0.00412
3755938.31	0.01012	0.00887	0.00782	0.00694	0.00624	0.00566	0.00515	0.00473	0.00437
3754938.31	0.01120	0.00966	0.00841	0.00749	0.00668	0.00604	0.00550	0.00505	0.00467
3753938.31	0.01285	0.01095	0.00945	0.00822	0.00728	0.00652	0.00591	0.00540	0.00498
3752938.31	0.01501	0.01240	0.01066	0.00919	0.00821	0.00732	0.00663	0.00604	0.00552
3751938.31	0.01714	0.01424	0.01156	0.00995	0.00892	0.00788	0.00710	0.00659	0.00608
3750938.31	0.02124	0.01703	0.01300	0.01122	0.00972	0.00853	0.00757	0.00690	0.00613
3749938.31	0.02888	0.02141	0.01491	0.01251	0.01104	0.00945	0.00844	0.00754	0.00677
3748938.31	0.02210	0.02236	0.01654	0.01318	0.01153	0.01057	0.00936	0.00888	0.00769

3747938.31	0.01867	0.02194	0.01538	0.01423	0.01194	0.01004	0.01012	0.00940	0.00913
3746938.31	0.02181	0.02059	0.01254	0.01165	0.01230	0.01091	0.01113	0.01074	0.00949
3745938.31	0.01894	0.01827	0.01630	0.01459	0.01292	0.01331	0.01127	0.00864	0.00770
3744938.31	0.01663	0.01596	0.01544	0.01514	0.00803	0.00794	0.00786	0.00650	0.00654
3743938.31	0.01486	0.01431	0.01382	0.01346	0.01267	0.00691	0.00585	0.00588	0.00524
3742938.31	0.01348	0.01302	0.01260	0.01228	0.01204	0.00976	0.00619	0.00519	0.00435
3741938.31	0.01236	0.01195	0.01158	0.01130	0.01105	0.01085	0.01069	0.00661	0.00488

**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114018 , L0114019 , L0114020 , L0114021 ,
L0114022 , L0114023 , L0114024 , L0114025 , L0114026 , L0114027 , L0114028 , L0114029 ,
L0114030 , L0114031 , L0114032 , L0114033 , L0112145 , L0112146 , L0112147 , L0112148 ,
L0112149 , L0112150 , L0112151 , L0112152 , L0112153 , L0112154 , L0112155 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	0.08239	0.08914	0.09739	0.10674	0.11768	0.13432	0.15575	0.18806	0.24720
3754534.43	0.08247	0.08927	0.09744	0.10740	0.11985	0.13504	0.15743	0.19038	0.25156
3754434.43	0.08191	0.08878	0.09687	0.10671	0.11904	0.13490	0.15661	0.18980	0.25179
3754334.43	0.08099	0.08781	0.09575	0.10537	0.11756	0.13316	0.15425	0.18606	0.24574
3754234.43	0.07996	0.08649	0.09440	0.10384	0.11555	0.13040	0.15061	0.18010	0.23222
3754134.43	0.07843	0.08531	0.09290	0.10210	0.11343	0.12759	0.14649	0.17343	0.21815
3754034.43	0.07693	0.08395	0.09136	0.10018	0.11099	0.12459	0.14187	0.16756	0.20865
3753934.43	0.07583	0.08245	0.08963	0.09819	0.10859	0.12166	0.13847	0.16278	0.20241
3753834.43	0.07497	0.08098	0.08796	0.09628	0.10639	0.11900	0.13543	0.15833	0.19366
3753734.43	0.07359	0.07948	0.08628	0.09442	0.10416	0.11609	0.13231	0.15451	0.19101
3753634.43	0.07205	0.07791	0.08404	0.09229	0.10188	0.11372	0.12914	0.15087	0.18700
3753534.43	0.07022	0.07555	0.08214	0.09031	0.09960	0.11085	0.12573	0.14607	0.18223
3753434.43	0.06802	0.07365	0.08015	0.08758	0.09676	0.10785	0.12199	0.14191	0.17706
3753334.43	0.06638	0.07161	0.07746	0.08465	0.09328	0.10423	0.11779	0.13713	0.17160
3753234.43	0.06438	0.06922	0.07508	0.08204	0.09002	0.09990	0.11335	0.13160	0.16445
3753134.43	0.06266	0.06731	0.07248	0.07861	0.08680	0.09628	0.10880	0.12457	0.15166
3753034.43	0.06044	0.06477	0.07018	0.07601	0.08339	0.09197	0.10319	0.11719	0.13898
3752934.43	0.05787	0.06215	0.06739	0.07274	0.07984	0.08771	0.09775	0.11051	0.12696
3752834.43	0.05629	0.06021	0.06498	0.07030	0.07654	0.08382	0.09296	0.10499	0.11808
3752734.43	0.05431	0.05832	0.06234	0.06737	0.07318	0.08064	0.08808	0.09869	0.11081
3752634.43	0.05273	0.05601	0.06052	0.06511	0.07024	0.07780	0.08535	0.09397	0.10427
3752534.43	0.05074	0.05402	0.05728	0.06246	0.06716	0.07316	0.08052	0.08810	0.09851
3752434.43	0.04881	0.05254	0.05597	0.06016	0.06455	0.06905	0.07671	0.08308	0.09346
3752334.43	0.04716	0.05050	0.05384	0.05740	0.06194	0.06667	0.07283	0.07940	0.08831
3752234.43	0.04545	0.04840	0.05214	0.05535	0.05923	0.06252	0.06943	0.07506	0.08328
3752134.43	0.04407	0.04712	0.05014	0.05353	0.05736	0.06132	0.06623	0.07267	0.08003
3752034.43	0.04329	0.04593	0.04815	0.05146	0.05541	0.05874	0.06364	0.06934	0.07587
3751934.43	0.04162	0.04416	0.04700	0.04980	0.05308	0.05704	0.06169	0.06650	0.07200
3751834.43	0.04052	0.04304	0.04568	0.04872	0.05142	0.05532	0.05951	0.06377	0.06776
3751734.43	0.03998	0.04224	0.04507	0.04772	0.05042	0.05368	0.05725	0.06101	0.06374
3751634.43	0.03922	0.04156	0.04382	0.04632	0.04895	0.05191	0.05499	0.05726	0.05746
3751534.43	0.03836	0.04044	0.04235	0.04464	0.04694	0.04980	0.05174	0.04993	0.04509
3751434.43	0.03743	0.03912	0.04090	0.04283	0.04496	0.04613	0.04463	0.04064	0.03432
3751334.43	0.03639	0.03800	0.03966	0.04123	0.04323	0.04339	0.03951	0.03231	0.03025
3751234.43	0.03531	0.03676	0.03825	0.03953	0.04036	0.03897	0.03505	0.02945	0.02867
3751134.43	0.03419	0.03576	0.03722	0.03575	0.03626	0.03520	0.03351	0.02896	0.02829
3751034.43	0.03334	0.03457	0.03387	0.02985	0.03311	0.03198	0.02887	0.02650	0.02647
3750934.43	0.03119	0.03264	0.02846	0.02750	0.02859	0.02821	0.02560	0.02473	0.02495

**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114018 , L0114019 , L0114020 , L0114021 ,
L0114022 , L0114023 , L0114024 , L0114025 , L0114026 , L0114027 , L0114028 , L0114029 ,
L0114030 , L0114031 , L0114032 , L0114033 , L0112145 , L0112146 , L0112147 , L0112148 ,
L0112149 , L0112150 , L0112151 , L0112152 , L0112153 , L0112154 , L0112155 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	0.42163
3754534.43	0.42348
3754434.43	0.44154
3754334.43	0.43546
3754234.43	0.38112
3754134.43	0.33426
3754034.43	0.30739
3753934.43	0.30266
3753834.43	0.28922
3753734.43	0.28489
3753634.43	0.27793
3753534.43	0.28017
3753434.43	0.26874
3753334.43	0.26325
3753234.43	0.25436
3753134.43	0.23045
3753034.43	0.18566
3752934.43	0.14949
3752834.43	0.13698
3752734.43	0.12681
3752634.43	0.11932

```
 3752534.43 |       0.11195
 3752434.43 |       0.10573
 3752334.43 |       0.09882
 3752234.43 |       0.09393
 3752134.43 |       0.08816
 3752034.43 |       0.08236
 3751934.43 |       0.07744
 3751834.43 |       0.07083
 3751734.43 |       0.06473
 3751634.43 |       0.05369
 3751534.43 |       0.03873
 3751434.43 |       0.03281
 3751334.43 |       0.03048
 3751234.43 |       0.02924
 3751134.43 |       0.02810
 3751034.43 |       0.02669
 3750934.43 |       0.02533
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                   *** PM10 (No Refrigeration)                                                ***        17:22:10
                                                                                                                         PAGE  56
 **MODELOPTs:  NonDFAULT CONC                                                  ELEV
                         FASTALL

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                   INCLUDING SOURCE(S):     PHASE1      , L0114018    , L0114019    , L0114020    , L0114021    ,
                  L0114022    , L0114023    , L0114024    , L0114025    , L0114026    , L0114027    , L0114028    , L0114029    ,
                  L0114030    , L0114031    , L0114032    , L0114033    , L0112145    , L0112146    , L0112147    , L0112148    ,
                  L0112149    , L0112150    , L0112151    , L0112152    , L0112153    , L0112154    , L0112155    ,  . . .      ,

                                   *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3                          **

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     485549.47    485649.47    485749.47    485849.47
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3753434.90 |       0.43502      0.33866      0.33786      0.38996
 3753334.90 |       0.42298      0.31660      0.31410      0.37218
 3753234.90 |       0.40886      0.31016      0.30459      0.37698
 3753134.90 |       0.36982      0.28551      0.29292      0.38150
 3753034.90 |       0.26461      0.25196      0.27590      0.37775
 3752934.90 |       0.18166      0.21243      0.25415      0.36583
 3752834.90 |       0.16135      0.19123      0.24131      0.35656
 3752734.90 |       0.14933      0.17816      0.22727      0.34204
 3752634.90 |       0.13853      0.16669      0.21428      0.32649
 3752534.90 |       0.12991      0.15406      0.19668      0.30457
 3752434.90 |       0.12114      0.14340      0.18581      0.29963
 3752334.90 |       0.11384      0.13446      0.17085      0.26337
 3752234.90 |       0.10584      0.12233      0.14905      0.19463
 3752134.90 |       0.09785      0.11009      0.12707      0.15016
 3752034.90 |       0.08871      0.09829      0.10791      0.10884
 3751934.90 |       0.08124      0.08896      0.09304      0.09103
 3751834.90 |       0.07510      0.07493      0.07577      0.07065
 3751734.90 |       0.06589      0.06936      0.06273      0.05124
 3751634.90 |       0.05415      0.05215      0.04859      0.04569
 3751534.90 |       0.04031      0.04036      0.04049      0.04227
 3751434.90 |       0.03400      0.03520      0.03656      0.03887
 3751334.90 |       0.03168      0.03279      0.03423      0.03601
 3751234.90 |       0.03008      0.03096      0.03232      0.03355
 3751134.90 |       0.02858      0.02946      0.03063      0.03153
 3751034.90 |       0.02718      0.02806      0.02908      0.02985
 3750934.90 |       0.02593      0.02679      0.02765      0.02829
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                   *** PM10 (No Refrigeration)                                                ***        17:22:10
                                                                                                                         PAGE  57
 **MODELOPTs:  NonDFAULT CONC                                                  ELEV
                         FASTALL

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                   INCLUDING SOURCE(S):     PHASE1      , L0114018    , L0114019    , L0114020    , L0114021    ,
                  L0114022    , L0114023    , L0114024    , L0114025    , L0114026    , L0114027    , L0114028    , L0114029    ,
                  L0114030    , L0114031    , L0114032    , L0114033    , L0112145    , L0112146    , L0112147    , L0112148    ,
                  L0112149    , L0112150    , L0112151    , L0112152    , L0112153    , L0112154    , L0112155    ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3                          **

      X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)   Y-COORD (M)        CONC
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        485619.40    3753969.72        0.41249                     485712.99    3753961.92        0.39278
        487190.85    3754410.34        4.24176                     487194.75    3754289.46        2.63981
        487268.83    3754090.60        1.56764                     487483.30    3754102.29        1.04528
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                   *** PM10 (No Refrigeration)                                                ***        17:22:10
                                                                                                                         PAGE  58
 **MODELOPTs:  NonDFAULT CONC                                                  ELEV
                         FASTALL

                         *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     PHASE1      , L0114018    , L0114019    , L0114020    , L0114021    ,
                  L0114022    , L0114023    , L0114024    , L0114025    , L0114026    , L0114027    , L0114028    , L0114029    ,
                  L0114030    , L0114031    , L0114032    , L0114033    , L0112145    , L0112146    , L0112147    , L0112148    ,
                  L0112149    , L0112150    , L0112151    , L0112152    , L0112153    , L0112154    , L0112155    ,  . . .      ,

                                   *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3                          **

  Y-COORD  |                                              X-COORD (METERS)
  (METERS) |     461553.03                462553.03                463553.03                464553.03                465553.03
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3767938.3 |      0.01862 (07110224)      0.01947 (07110224)      0.02016 (07110224)      0.02078 (07110224)      0.02150 (07110224)
 3766938.3 |      0.01788 (07110224)      0.01889 (07110224)      0.01997 (07110224)      0.02097 (07110224)      0.02168 (07110224)
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3765938.3	0.01586 (07110224)	0.01865 (07110224)	0.01895 (07110224)	0.02041 (07110224)	0.02178 (07110224)
3764938.3	0.01653 (07120324)	0.01735 (07120324)	0.01731 (07110224)	0.01859 (07110224)	0.02033 (07110224)
3763938.3	0.01754 (07120324)	0.01914 (07120324)	0.01780 (07120324)	0.01791 (07120324)	0.01786 (07120324)
3762938.3	0.01831 (07120324)	0.01869 (07120324)	0.01899 (07120324)	0.01912 (07120324)	0.01948 (07120324)
3761938.3	0.01941 (07120324)	0.01972 (07120324)	0.02010 (07120324)	0.02056 (07120324)	0.02113 (07120324)
3760938.3	0.02124 (07120324)	0.02159 (07120324)	0.02193 (07120324)	0.02278 (07120324)	0.02313 (07120324)
3759938.3	0.02345 (07120324)	0.02392 (07120324)	0.02567 (07120324)	0.02526 (07120324)	0.02596 (07120324)
3758938.3	0.02448 (07120324)	0.02556 (07120324)	0.02675 (07120324)	0.02784 (07120324)	0.02888 (07120324)
3757938.3	0.02434 (07120324)	0.02556 (07120324)	0.02697 (07120324)	0.02885 (07120324)	0.03000 (07120324)
3756938.3	0.02290 (07120324)	0.02420 (07120324)	0.02560 (07120324)	0.02722 (07120324)	0.02913 (07120324)
3755938.3	0.02100 (07120324)	0.02221 (07120324)	0.02350 (07120324)	0.02497 (07120324)	0.02671 (07120324)
3754938.3	0.01863 (07120324)	0.01962 (07120324)	0.02079 (07120324)	0.02213 (07120324)	0.02365 (07120324)
3753938.3	0.01825 (07012424)	0.01916 (07012424)	0.02025 (07012424)	0.02144 (07012424)	0.02327 (07012424)
3752938.3	0.01849 (07012424)	0.01949 (07012424)	0.02072 (07012424)	0.02201 (07012424)	0.02378 (07012424)
3751938.3	0.01891 (07012424)	0.01979 (07012424)	0.02081 (07012424)	0.02220 (07012424)	0.02390 (07012424)
3750938.3	0.01940 (05031924)	0.02080 (05031924)	0.02247 (05031924)	0.02409 (05031924)	0.02569 (05031924)
3749938.3	0.02193 (05031924)	0.02316 (05031924)	0.02530 (05031924)	0.02760 (05031924)	0.02886 (05031924)
3748938.3	0.02351 (05031924)	0.02311 (05031924)	0.02443 (05031924)	0.02583 (05031924)	0.02676 (05031924)
3747938.3	0.02219 (05031924)	0.02253 (05031924)	0.02126 (05031924)	0.02118 (05031924)	0.02179 (05110924)
3746938.3	0.01867 (05031924)	0.02014 (05110924)	0.02249 (05110924)	0.02408 (05110924)	0.02760 (05110924)
3745938.3	0.02176 (05110924)	0.02458 (05110924)	0.02686 (05110924)	0.02866 (05110924)	0.03061 (05110924)
3744938.3	0.02484 (05110924)	0.02724 (05110924)	0.02886 (05110924)	0.03033 (05110924)	0.03197 (05110924)
3743938.3	0.02622 (05110924)	0.02751 (05110924)	0.02871 (05110924)	0.02964 (05110924)	0.02991 (05110924)
3742938.3	0.02643 (05110924)	0.02711 (05110924)	0.02768 (05110924)	0.02995 (05110924)	0.02963 (05110924)
3741938.3	0.02564 (05110924)	0.02977 (05110924)	0.03449 (05120824)	0.03876 (05120824)	0.03844 (05120824)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114018 , L0114019 , L0114020 , L0114021 ,
L0114022 , L0114023 , L0114024 , L0114025 , L0114026 , L0114027 , L0114028 , L0114029 ,
L0114030 , L0114031 , L0114032 , L0114033 , L0112145 , L0112146 , L0112147 , L0112148 ,
L0112149 , L0112150 , L0112151 , L0112152 , L0112153 , L0112154 , L0112155 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 466553.03	467553.03	468553.03	469553.03	470553.03
3767938.3	0.02204 (07110224)	0.02284 (07110224)	0.02330 (07110224)	0.02338 (07110224)	0.02265 (07110224)
3766938.3	0.02232 (07110224)	0.02324 (07110224)	0.02655 (07110224)	0.02515 (07110224)	0.02577 (07110224)
3765938.3	0.02258 (07110224)	0.02413 (07110224)	0.02723 (07110224)	0.02634 (07110224)	0.02781 (07110224)
3764938.3	0.02199 (07110224)	0.02367 (07110224)	0.02555 (07110224)	0.02686 (07110224)	0.02871 (07110224)
3763938.3	0.01973 (07110224)	0.02213 (07110224)	0.02469 (07110224)	0.02716 (07110224)	0.02954 (07110224)
3762938.3	0.01983 (07120324)	0.02020 (07120324)	0.02205 (07110224)	0.02546 (07110224)	0.02862 (07110224)
3761938.3	0.02166 (07120324)	0.02228 (07120324)	0.02301 (07120324)	0.02384 (07120324)	0.02709 (07110224)
3760938.3	0.02375 (07120324)	0.02454 (07120324)	0.02547 (07120324)	0.02673 (07120324)	0.02919 (07120324)
3759938.3	0.02664 (07120324)	0.02739 (07120324)	0.02837 (07120324)	0.02971 (07120324)	0.03133 (07120324)
3758938.3	0.02990 (07120324)	0.03110 (07120324)	0.03226 (07120324)	0.03367 (07120324)	0.03561 (07120324)
3757938.3	0.03137 (07120324)	0.03330 (07120324)	0.03549 (07120324)	0.03788 (07120324)	0.04160 (07120324)
3756938.3	0.03146 (07120324)	0.03358 (07120324)	0.03532 (07120324)	0.03855 (07120324)	0.04346 (07120324)
3755938.3	0.02935 (07120324)	0.03172 (07120324)	0.03482 (07120324)	0.03634 (07120324)	0.04240 (07120324)
3754938.3	0.02623 (07120324)	0.02827 (07120324)	0.03081 (07120324)	0.03362 (07120324)	0.03669 (07120324)
3753938.3	0.02534 (07012424)	0.02734 (07012424)	0.03028 (07012424)	0.03308 (07012424)	0.03556 (05021124)
3752938.3	0.02610 (07012424)	0.02873 (05021124)	0.03143 (05021124)	0.03423 (05021124)	0.03766 (05021124)
3751938.3	0.02581 (05021024)	0.02817 (05021124)	0.03075 (05021124)	0.03345 (05021124)	0.03798 (05021124)
3750938.3	0.02846 (05031924)	0.03177 (05031924)	0.03398 (05031924)	0.03621 (05031924)	0.04078 (05031924)
3749938.3	0.02991 (05031924)	0.03164 (05031924)	0.03285 (05031924)	0.03483 (05031924)	0.04165 (05031924)
3748938.3	0.02717 (05031924)	0.02785 (05031924)	0.03181 (05031924)	0.03014 (05031924)	0.03064 (05110924)
3747938.3	0.02317 (05031924)	0.02437 (05110924)	0.03388 (05110924)	0.03497 (05110924)	0.04319 (05110924)
3746938.3	0.03125 (05110924)	0.03444 (05110924)	0.03748 (05110924)	0.04040 (05110924)	0.05955 (05110924)
3745938.3	0.03345 (05110924)	0.03603 (05110924)	0.03874 (05110924)	0.04656 (05110924)	0.04833 (05120824)
3744938.3	0.03351 (05110924)	0.04655 (05110924)	0.03911 (05110924)	0.04027 (05110924)	0.03961 (05120824)
3743938.3	0.02962 (05110924)	0.03049 (05120824)	0.03241 (05120824)	0.03348 (05120824)	0.03408 (05120824)
3742938.3	0.03182 (05120824)	0.03033 (05120824)	0.03703 (05120824)	0.03670 (05121124)	0.03231 (05120824)
3741938.3	0.03826 (05120824)	0.03023 (05121124)	0.03290 (06031924)	0.03484 (06031924)	0.03246 (05040224)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114018 , L0114019 , L0114020 , L0114021 ,
L0114022 , L0114023 , L0114024 , L0114025 , L0114026 , L0114027 , L0114028 , L0114029 ,
L0114030 , L0114031 , L0114032 , L0114033 , L0112145 , L0112146 , L0112147 , L0112148 ,
L0112149 , L0112150 , L0112151 , L0112152 , L0112153 , L0112154 , L0112155 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 471553.03	472553.03	473553.03	474553.03	475553.03
3767938.3	0.02417 (05121924)	0.02605 (05121924)	0.02734 (05121924)	0.02784 (05121924)	0.02729 (05121924)
3766938.3	0.02571 (07110224)	0.02715 (05121924)	0.02897 (05121924)	0.03170 (05121924)	0.03277 (05121924)
3765938.3	0.02898 (07110224)	0.03102 (07110224)	0.03000 (05121924)	0.03379 (05121924)	0.03720 (05121924)
3764938.3	0.03090 (07110224)	0.03750 (07110224)	0.03467 (07110224)	0.03411 (05121924)	0.03940 (05121924)
3763938.3	0.03200 (07110224)	0.03617 (07110224)	0.04148 (07110224)	0.03779 (07110224)	0.03933 (05121924)
3762938.3	0.03223 (07110224)	0.03547 (07110224)	0.03880 (07110224)	0.04509 (07110224)	0.05829 (07110224)
3761938.3	0.04138 (07042124)	0.04677 (07110224)	0.04050 (07110224)	0.06163 (07110224)	0.03773 (07110224)
3760938.3	0.03165 (07120324)	0.05141 (05120724)	0.05027 (07042124)	0.05508 (07110224)	0.06439 (07110224)
3759938.3	0.03320 (07120324)	0.04670 (07122824)	0.03695 (05113024)	0.06535 (05120724)	0.05994 (05120724)
3758938.3	0.03839 (07120324)	0.05345 (07122824)	0.05001 (07122824)	0.07240 (07122824)	0.07651 (05113024)
3757938.3	0.04498 (07120324)	0.04521 (07120324)	0.04449 (05121924)	0.04469 (07122824)	0.09174 (07122824)
3756938.3	0.04918 (07120324)	0.05326 (07120324)	0.06135 (07120324)	0.06062 (07120324)	0.09615 (07120324)
3755938.3	0.04763 (07120324)	0.05067 (07120324)	0.05795 (07120324)	0.07609 (07120324)	0.08484 (07120324)
3754938.3	0.04004 (07120324)	0.04376 (07120324)	0.04863 (07120324)	0.05477 (07120324)	0.06373 (07120324)

3753938.3	0.03771 (05021124)	0.04208 (05021124)	0.04679 (05021124)	0.05232 (05021124)	0.05952 (05021124)
3752938.3	0.04085 (05021124)	0.04435 (05021124)	0.04886 (05021124)	0.05499 (05021124)	0.06238 (05021124)
3751938.3	0.04982 (06022724)	0.04514 (05021124)	0.04780 (05021124)	0.05261 (05021124)	0.05860 (05021124)
3750938.3	0.05059 (05031924)	0.04468 (05031924)	0.04377 (05021124)	0.04722 (05021124)	0.05102 (05021124)
3749938.3	0.04132 (05031924)	0.04035 (05031924)	0.04427 (05110924)	0.05316 (05110924)	0.06269 (05110924)
3748938.3	0.04120 (05110924)	0.04546 (05110924)	0.05272 (05110924)	0.05855 (05110924)	0.06225 (05110924)
3747938.3	0.05365 (05110924)	0.06169 (05110924)	0.06494 (05110924)	0.05166 (05110924)	0.05434 (05120824)
3746938.3	0.05371 (05110924)	0.05337 (05110924)	0.06254 (05120824)	0.05876 (05120824)	0.04957 (05120824)
3745938.3	0.04472 (05110924)	0.04624 (05120824)	0.05214 (05120824)	0.05052 (05120824)	0.04026 (05120824)
3744938.3	0.03950 (05120824)	0.04153 (05120824)	0.04071 (05120824)	0.04389 (05040224)	0.03780m(05012424)
3743938.3	0.03511 (05120824)	0.03329 (05120824)	0.03225m(05012424)	0.03626m(05012424)	0.03448m(05012424)
3742938.3	0.03267 (06031924)	0.03629 (05040224)	0.03535 (05040224)	0.03308m(05012424)	0.03312 (06011824)
3741938.3	0.04681 (05040224)	0.03853 (05040224)	0.03390 (06111824)	0.03646 (06011824)	0.05507 (06011824)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114018 , L0114019 , L0114020 , L0114021 ,
L0114022 , L0114023 , L0114024 , L0114025 , L0114026 , L0114027 , L0114028 , L0114029 ,
L0114030 , L0114031 , L0114032 , L0114033 , L0112145 , L0112146 , L0112147 , L0112148 ,
L0112149 , L0112150 , L0112151 , L0112152 , L0112153 , L0112154 , L0112155 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 476553.03	477553.03	478553.03	479553.03	480553.03
3767938.3	0.02518 (06120724)	0.02570 (06030324)	0.03156 (06030324)	0.03532 (05020424)	0.04281 (05020424)
3766938.3	0.03061 (05121924)	0.02844 (06120724)	0.03113 (06030324)	0.03651 (06030324)	0.04455 (05020424)
3765938.3	0.03815 (05121924)	0.03590 (05121924)	0.03300 (06120724)	0.03887 (06030324)	0.04293 (05020424)
3764938.3	0.04240 (05121924)	0.05147 (05121924)	0.04199 (05121924)	0.03717 (06030324)	0.04640 (06030324)
3763938.3	0.04403 (05121924)	0.05261 (07112624)	0.04794 (07102524)	0.06040 (07030624)	0.04614 (06030324)
3762938.3	0.04613 (05121924)	0.05065 (05121924)	0.05848 (05030424)	0.05230 (07102524)	0.06027 (07030624)
3761938.3	0.04600 (07110224)	0.06673 (07110224)	0.07317 (07020424)	0.06191 (07112624)	0.05084 (07102524)
3760938.3	0.04987 (07110224)	0.04290 (07110224)	0.06984 (07110224)	0.06914 (07110224)	0.05199 (07112624)
3759938.3	0.06758 (07110224)	0.05714 (07110224)	0.09104 (07110224)	0.05922 (07110224)	0.06078 (07110224)
3758938.3	0.08062 (05120724)	0.08379 (05120724)	0.07866 (07111124)	0.07624 (07110224)	0.08040 (07110224)
3757938.3	0.07231 (07122824)	0.09092 (07122824)	0.10024 (05113024)	0.08842 (07121824)	0.07561 (07121824)
3756938.3	0.07751 (07122824)	0.08000 (07122824)	0.12764 (07122824)	0.14222 (07122824)	0.13193 (07122824)
3755938.3	0.08595 (07120324)	0.09634 (07120324)	0.10715 (07120324)	0.15959 (07120324)	0.19129 (07120324)
3754938.3	0.07425 (07120324)	0.08669 (07120324)	0.10235 (07120324)	0.12814 (07120324)	0.17892 (07120324)
3753938.3	0.06815 (05021124)	0.07878 (05021124)	0.09256 (05021124)	0.11058 (05021124)	0.13682 (05021124)
3752938.3	0.07131 (05021124)	0.08224 (05021124)	0.09640 (05021124)	0.11236 (05021124)	0.13607 (05021124)
3751938.3	0.06564 (05021124)	0.07385 (05021124)	0.08359 (05021124)	0.09611 (05110924)	0.12525 (05110924)
3750938.3	0.06117 (05110924)	0.07628 (05110924)	0.09291 (05110924)	0.10590 (05110924)	0.11268 (05110924)
3749938.3	0.07152 (05110924)	0.07899 (05110924)	0.08197 (05110924)	0.08870 (05120824)	0.09370 (05120824)
3748938.3	0.06325 (05110924)	0.06724 (05120824)	0.07158 (05120824)	0.07181 (05120824)	0.07908m(05012424)
3747938.3	0.05764 (05120824)	0.05841 (05120824)	0.05805m(05012424)	0.06271m(05012424)	0.06551 (06011824)
3746938.3	0.04795 (05120824)	0.04908m(05012424)	0.05175m(05012424)	0.05393 (06011824)	0.06222 (06011824)
3745938.3	0.04244m(05012424)	0.04399m(05012424)	0.04616 (06011824)	0.05232 (06011824)	0.05339 (06011824)
3744938.3	0.03830m(05012424)	0.04051 (06011824)	0.04550 (06011824)	0.04689 (06011824)	0.05636 (05011824)
3743938.3	0.03646 (06011824)	0.04047 (06011824)	0.04201 (06011824)	0.04546 (05011824)	0.05502 (05011824)
3742938.3	0.03685 (06011824)	0.03804 (06011824)	0.03704 (05011824)	0.04687 (05011824)	0.04969 (05011824)
3741938.3	0.03699 (06011824)	0.03436 (06011824)	0.03957 (05011824)	0.04495 (05011824)	0.04659 (06101824)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114018 , L0114019 , L0114020 , L0114021 ,
L0114022 , L0114023 , L0114024 , L0114025 , L0114026 , L0114027 , L0114028 , L0114029 ,
L0114030 , L0114031 , L0114032 , L0114033 , L0112145 , L0112146 , L0112147 , L0112148 ,
L0112149 , L0112150 , L0112151 , L0112152 , L0112153 , L0112154 , L0112155 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 481553.03	482553.03	483553.03	484553.03	485553.03
3767938.3	0.04746 (05020424)	0.04619 (05020424)	0.04160 (06020924)	0.04515 (06020924)	0.04025 (06020924)
3766938.3	0.05162 (05020424)	0.05318 (05020424)	0.04719 (05020424)	0.05057 (06020924)	0.04656 (06020924)
3765938.3	0.05631 (05020424)	0.06109 (05020424)	0.05668 (05020424)	0.06117 (06020924)	0.06048 (06122424)
3764938.3	0.05499 (05020424)	0.06695 (05020424)	0.06880 (05020424)	0.07395 (05120624)	0.08209 (06020924)
3763938.3	0.05742 (05020424)	0.07158 (05020424)	0.07568 (05020424)	0.07798 (06020924)	0.09257 (06020924)
3762938.3	0.05942 (06030324)	0.08195 (05020424)	0.09253 (05020424)	0.08060 (05020424)	0.12896 (06020924)
3761938.3	0.07117 (07030624)	0.09117 (06030324)	0.11303 (05020424)	0.10229 (05020424)	0.10894 (06020924)
3760938.3	0.04923 (05121924)	0.05567 (07030624)	0.08587 (06102124)	0.14435 (07110324)	0.12913 (06020924)
3759938.3	0.05883 (07112624)	0.05755 (05121924)	0.07368 (06030324)	0.09419 (05020424)	0.15216 (05020424)
3758938.3	0.07715 (07110224)	0.07926 (07102524)	0.07154 (07102524)	0.10984 (06030324)	0.16599 (07110324)
3757938.3	0.11256 (07110224)	0.12918 (07110224)	0.11332 (07102524)	0.13963 (07102524)	0.16699 (07110324)
3756938.3	0.13548 (07121824)	0.14687 (07121824)	0.24900 (07110224)	0.22174 (05121924)	0.24095 (07102524)
3755938.3	0.20484 (07122824)	0.25799 (07122824)	0.27578 (07120324)	0.35511 (07121824)	0.51947 (07110224)
3754938.3	0.20267 (07120324)	0.31766 (07120324)	0.45933 (07120324)	0.68783 (07120324)	1.26717 (05121924)
3753938.3	0.17344 (05021124)	0.22887 (05021124)	0.35286 (05021124)	0.51100 (05021124)	1.09144m(05012424)
3752938.3	0.16445 (05021124)	0.19878 (05021124)	0.25302 (05110924)	0.33884 (05120824)	0.62944m(05012424)
3751938.3	0.15221 (05110924)	0.16810 (05120824)	0.19951m(05012424)	0.25625m(05012424)	0.45262 (06101824)
3750938.3	0.12297 (05120824)	0.13951m(05012424)	0.16030m(05012424)	0.24469 (05011824)	0.19507 (06011724)
3749938.3	0.10533m(05012424)	0.13972 (06011824)	0.16241 (06011824)	0.20994 (06101824)	0.19242m(05041224)
3748938.3	0.11307 (06011824)	0.08969 (06011824)	0.18155 (05011824)	0.15293 (06121824)	0.15530 (06011724)
3747938.3	0.09486 (06011824)	0.09357 (05011824)	0.11988 (06101824)	0.12135 (06011724)	0.11882 (06011724)
3746938.3	0.07357 (05011824)	0.08809 (05011824)	0.09445 (06101824)	0.10263 (06011724)	0.09903m(05041224)
3745938.3	0.07028 (05011824)	0.07870 (06101824)	0.08040 (06121824)	0.08900 (06011724)	0.13197 (07102624)
3744938.3	0.06333 (05011824)	0.06838 (06101824)	0.07230 (06011724)	0.07789 (06011724)	0.09644 (07102624)
3743938.3	0.05823 (06101824)	0.05963 (06101824)	0.07372 (06011724)	0.07088m(05041224)	0.06559m(05041224)
3742938.3	0.05316 (06101824)	0.05383 (07121024)	0.06128 (06011724)	0.05961 (06011724)	0.05771m(05041224)

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3741938.3 |      0.04788 (06101824)      0.05152 (06011724)      0.05642 (06011724)      0.05247 (06011724)      0.05217m(05041224)
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                   *** PM10 (No Refrigeration)                                                 ***        17:22:10
                                                                                                                          PAGE  63
 **MODELOPTS:  NonDFAULT CONC                                                    ELEV
                        FASTALL

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     PHASE1      , L0114018    , L0114019    , L0114020    , L0114021    ,
                 L0114022    , L0114023    , L0114024    , L0114025    , L0114026    , L0114027    , L0114028    , L0114029    ,
                 L0114030    , L0114031    , L0114032    , L0114033    , L0112145    , L0112146    , L0112147    , L0112148    ,
                 L0112149    , L0112150    , L0112151    , L0112152    , L0112153    , L0112154    , L0112155    ,  . . .      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3                          **

 Y-COORD  |                                                  X-COORD (METERS)
 (METERS) |      486553.03               487553.03               488553.03               489553.03               490553.03
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*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 496553.03	497553.03	498553.03	499553.03	500553.03
3767938.3	0.03008 (06100924)	0.02647 (06100924)	0.02392 (07042224)	0.02038 (07103024)	0.01748 (07051624)
3766938.3	0.02984 (06100924)	0.02776 (07101124)	0.02307 (07103024)	0.02026 (07051624)	0.01995 (05050224)
3765938.3	0.03097 (07042224)	0.02811 (07101124)	0.02345 (07051624)	0.01974 (07040724)	0.02107 (07040724)
3764938.3	0.03201 (07101124)	0.02717 (05110424)	0.03554 (07072024)	0.02333 (07040724)	0.02691 (07110424)
3763938.3	0.03285 (07072024)	0.04192 (07072024)	0.03515 (07110724)	0.03576 (07022624)	0.03128 (07021224)
3762938.3	0.04516 (07072024)	0.03762 (07110724)	0.04087 (07022624)	0.03736 (06100124)	0.02712 (06100124)
3761938.3	0.04322 (07022624)	0.04322 (07022624)	0.03817 (06100124)	0.03064 (06121024)	0.03321 (05040824)
3760938.3	0.05092 (06100124)	0.03860 (06121024)	0.04324 (05040824)	0.03801 (05040824)	0.02921 (07120724)
3759938.3	0.05266 (06103024)	0.04585 (05040824)	0.03763 (07122024)	0.03696 (06041424)	0.03435 (06031124)
3758938.3	0.05456 (07122024)	0.04724 (07122024)	0.04466 (05032324)	0.04381 (05032324)	0.03581 (05032324)
3757938.3	0.05924 (07122024)	0.04826 (07122024)	0.03960 (07122024)	0.04026 (06100724)	0.03786 (06080124)
3756938.3	0.05531 (06080124)	0.05329 (06080124)	0.04334 (06080124)	0.04201 (07071224)	0.04220 (07071224)
3755938.3	0.06151 (07071224)	0.05229 (05081524)	0.04726 (05081524)	0.04527 (06050224)	0.04384 (06050224)
3754938.3	0.09020 (05091024)	0.07746 (05091024)	0.06683 (05091024)	0.05787 (05091024)	0.05194 (05091024)
3753938.3	0.10273 (05091024)	0.08803 (05091024)	0.07654 (05091024)	0.06773 (05091024)	0.06041 (05091024)
3752938.3	0.09838 (05091024)	0.08570 (05091024)	0.07432 (05040424)	0.06639 (05040424)	0.05961 (05040424)
3751938.3	0.09668 (06050324)	0.08105 (05081824)	0.07184 (05081824)	0.06265 (07043024)	0.05572 (07043024)
3750938.3	0.14025 (05080524)	0.11834 (07060124)	0.09452 (07060124)	0.07071 (06050324)	0.05672 (06050324)
3749938.3	0.16279 (07080124)	0.16634 (05080524)	0.15363 (05080524)	0.08605 (07031824)	0.07550 (07060124)
3748938.3	0.10380 (06112324)	0.13220 (07080124)	0.15915 (07080124)	0.09629 (05080524)	0.10323 (05080524)
3747938.3	0.10998 (05062624)	0.10119 (06112324)	0.12223 (05022524)	0.10309 (07080124)	0.10280 (07080124)
3746938.3	0.07067 (05062624)	0.06585 (05062624)	0.07729 (06112324)	0.06736 (05022524)	0.06803 (07080124)
3745938.3	0.06778 (07070724)	0.06057 (05062624)	0.05799 (05062624)	0.06573 (07091424)	0.07533 (06112324)
3744938.3	0.06217 (07070724)	0.05888 (07070724)	0.05232 (05062624)	0.04944 (05062624)	0.04814 (05062624)
3743938.3	0.05695 (05071124)	0.05515 (07070724)	0.05188 (07070724)	0.04618 (05062624)	0.04430 (05062624)
3742938.3	0.05241 (05071124)	0.05051 (05071124)	0.04946 (07070724)	0.04651 (07070724)	0.04160 (05062624)
3741938.3	0.04658 (06091024)	0.04752 (05071124)	0.04518 (05071124)	0.04475 (07070724)	0.04224 (07070724)

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** PM10 (No Refrigeration) *** 17:22:10
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114018 , L0114019 , L0114020 , L0114021 ,
L0114022 , L0114023 , L0114024 , L0114025 , L0114026 , L0114027 , L0114028 , L0114029 ,
L0114030 , L0114031 , L0114032 , L0114033 , L0112145 , L0112146 , L0112147 , L0112148 ,
L0112149 , L0112150 , L0112151 , L0112152 , L0112153 , L0112154 , L0112155 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501553.03	502553.03	503553.03	504553.03	505553.03
3767938.3	0.01720 (05050224)	0.01610 (07040724)	0.00710 (07091524)	0.00561 (07080824)	0.00409 (05012624)
3766938.3	0.01870 (07040724)	0.00556 (05012624)	0.00486 (05012624)	0.00628 (05011124)	0.00636 (05011124)
3765938.3	0.02035 (06071924)	0.00837 (05011124)	0.00767 (05011124)	0.00705 (05011124)	0.00873 (07032724)
3764938.3	0.01912 (06051324)	0.01464 (05081224)	0.01139 (06121024)	0.01311 (06121024)	0.01057 (05040824)
3763938.3	0.02858 (06100124)	0.01870 (07022824)	0.02185 (05040824)	0.02498 (05040824)	0.01420 (05040824)
3762938.3	0.02579 (05040824)	0.03052 (05040824)	0.02624 (05040824)	0.02007 (06041724)	0.01968 (06041424)
3761938.3	0.03166 (05040824)	0.02410 (07120724)	0.02524 (06041424)	0.02598 (06041424)	0.02152 (06041424)
3760938.3	0.03070 (06041424)	0.02955 (06041424)	0.02493 (05032324)	0.02833 (05032324)	0.02687 (05032324)
3759938.3	0.03580 (05032324)	0.03405 (05032324)	0.02896 (05032324)	0.02357 (07022324)	0.02198 (07042924)
3758938.3	0.03026 (07122024)	0.02774 (05081424)	0.02977 (06100724)	0.02872 (06100724)	0.02701 (06080124)
3757938.3	0.03713 (06080124)	0.03396 (06080124)	0.02888 (07040424)	0.02750 (07071224)	0.02828 (07071224)
3756938.3	0.04004 (07071224)	0.03631 (07071224)	0.03224 (07071224)	0.02852 (07071224)	0.02656 (06090624)
3755938.3	0.04073 (06050224)	0.03682 (06050224)	0.03293 (07041224)	0.03033 (07041224)	0.02806 (07041224)
3754938.3	0.04643 (05091024)	0.04233 (05091024)	0.03889 (05091024)	0.03649 (05091024)	0.03454 (05091024)
3753938.3	0.05484 (05091024)	0.05047 (05091024)	0.04706 (05091024)	0.04415 (05091024)	0.04170 (05091024)
3752938.3	0.05298 (05040424)	0.04627 (05040424)	0.03981 (05040424)	0.03513 (05072324)	0.03274 (05072324)
3751938.3	0.04989 (05040424)	0.05019 (05040424)	0.04923 (05040424)	0.04706 (05040424)	0.04419 (07032524)
3750938.3	0.05262 (05081824)	0.05039 (05081824)	0.04590 (05081824)	0.04364 (07043024)	0.04100 (07043024)
3749938.3	0.06603 (07060124)	0.05326 (07052124)	0.04979 (07063024)	0.04466 (07063024)	0.03700 (05081824)
3748938.3	0.07944 (05080524)	0.06398 (07060124)	0.05980 (07060124)	0.05630 (07060124)	0.04802 (07071024)
3747938.3	0.06882 (05052924)	0.07771 (05080524)	0.08798 (05080524)	0.06159 (05080524)	0.05941 (07060124)
3746938.3	0.08950 (07080124)	0.08119 (07080124)	0.06847 (05052924)	0.08640 (05080524)	0.09090 (05080524)
3745938.3	0.08839 (05022524)	0.09477 (07080124)	0.09000 (07080124)	0.06591 (07080124)	0.04801 (05052924)
3744938.3	0.04200 (06112324)	0.04668 (05022524)	0.05142 (05022524)	0.04912 (07080124)	0.05125 (07080124)
3743938.3	0.05556 (05062624)	0.03409 (07071324)	0.03129 (05022524)	0.04295 (05022524)	0.03502 (07080124)
3742938.3	0.04053 (05062624)	0.05837 (05062624)	0.03328 (07071324)	0.02795 (05030224)	0.03144 (05022524)
3741938.3	0.03780 (05062624)	0.03714 (05062624)	0.03511 (05062624)	0.03788 (07071324)	0.02654 (05030224)

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** PM10 (No Refrigeration) *** 17:22:10
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114018 , L0114019 , L0114020 , L0114021 ,
L0114022 , L0114023 , L0114024 , L0114025 , L0114026 , L0114027 , L0114028 , L0114029 ,
L0114030 , L0114031 , L0114032 , L0114033 , L0112145 , L0112146 , L0112147 , L0112148 ,
L0112149 , L0112150 , L0112151 , L0112152 , L0112153 , L0112154 , L0112155 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71
3754634.4	0.67545 (07120324)	0.73045 (07120324)	0.76919 (07120324)	0.85768 (07120324)	0.94313 (07120324)
3754534.4	0.61572 (07120324)	0.66806 (07120324)	0.69416 (07120324)	0.75980 (07120324)	0.84732 (07120324)
3754434.4	0.54780 (07120324)	0.58985 (07120324)	0.63544 (07120324)	0.68731 (07120324)	0.75554 (07120324)

3754334.4	0.53147 (05021124)	0.56711 (05021124)	0.61378 (05021124)	0.66591 (05021124)	0.71479 (05021124)
3754234.4	0.53419 (05021124)	0.57433 (05021124)	0.61233 (05021124)	0.65767 (05021124)	0.70920 (05021124)
3754134.4	0.53910 (05021124)	0.55947 (05021124)	0.59779 (05021124)	0.63531 (05021124)	0.67753 (05021124)
3754034.4	0.53119 (05021124)	0.54203 (05021124)	0.57432 (05021124)	0.60953 (05021124)	0.64933 (05021124)
3753934.4	0.51076 (05021124)	0.52528 (05021124)	0.55428 (05021124)	0.58429 (05021124)	0.61812 (05021124)
3753834.4	0.48245 (05021124)	0.50502 (05021124)	0.52842 (05021124)	0.55685 (05021124)	0.58263 (05021124)
3753734.4	0.46305 (05021124)	0.48333 (05021124)	0.50412 (05021124)	0.53743 (05022224)	0.57511 (05022224)
3753634.4	0.44523 (05022224)	0.47755 (05022224)	0.49602 (05022224)	0.53575 (05022224)	0.57309 (05022224)
3753534.4	0.43626 (05022224)	0.45867 (05022224)	0.48937 (05022224)	0.52974 (05022224)	0.56386 (05022224)
3753434.4	0.41849 (05022224)	0.44688 (05022224)	0.47646 (05022224)	0.50495 (05022224)	0.53859 (05022224)
3753334.4	0.40761 (05022224)	0.43056 (05022224)	0.45261 (05022224)	0.47906 (05022224)	0.50778 (05022224)
3753234.4	0.39072 (05022224)	0.40981 (05022224)	0.43206 (05022224)	0.45642 (05022224)	0.48090 (05022224)
3753134.4	0.37499 (05022224)	0.39247 (05022224)	0.40944 (05022224)	0.42722 (05022224)	0.45375 (05022224)
3753034.4	0.35745 (05022224)	0.37179 (05022224)	0.38983 (05022224)	0.40610 (05022224)	0.43037 (05020324)
3752934.4	0.33832 (05120824)	0.35117m(05012424)	0.37248m(05012424)	0.39126m(05012424)	0.41525m(05012424)
3752834.4	0.33030m(05012424)	0.34644m(05012424)	0.36459m(05012424)	0.38270m(05012424)	0.40196m(05012424)
3752734.4	0.32425m(05012424)	0.34029m(05012424)	0.35364m(05012424)	0.36964m(05012424)	0.38611m(05012424)
3752634.4	0.31914m(05012424)	0.33015m(05012424)	0.34578m(05012424)	0.35876m(05012424)	0.37122m(05012424)
3752534.4	0.31019m(05012424)	0.32077m(05012424)	0.32892m(05012424)	0.34492m(05012424)	0.35538m(05012424)
3752434.4	0.30063m(05012424)	0.31348m(05012424)	0.32224m(05012424)	0.33270m(05012424)	0.34181m(05012424)
3752334.4	0.29198m(05012424)	0.30232m(05012424)	0.31055m(05012424)	0.31792m(05012424)	0.32900 (05020124)
3752234.4	0.28235m(05012424)	0.29037m(05012424)	0.30073m(05012424)	0.30648 (05020124)	0.31992 (05020124)
3752134.4	0.27388m(05012424)	0.28219m(05012424)	0.28859m(05012424)	0.30121 (05020124)	0.31500 (05020124)
3752034.4	0.26789m(05012424)	0.27356m(05012424)	0.27933 (05020124)	0.29233 (05020124)	0.30753 (05020124)
3751934.4	0.25581m(05012424)	0.26390 (05020124)	0.27565 (05020124)	0.28489 (05020124)	0.29914 (05011824)
3751834.4	0.24811 (05020124)	0.25925 (05020124)	0.26926 (05020124)	0.28276 (05011824)	0.29624 (05011824)
3751734.4	0.24743 (05020124)	0.25609 (05020124)	0.26874 (05011824)	0.28458 (05011824)	0.29821 (05011824)
3751634.4	0.24402 (05020124)	0.25287 (05020124)	0.26653 (05011824)	0.28131 (05011824)	0.29870 (05011824)
3751534.4	0.23869 (05020124)	0.25033 (05011824)	0.26486 (05011824)	0.28306 (05011824)	0.30000 (05011824)
3751434.4	0.23580 (05020124)	0.24828 (05020124)	0.26092 (05011824)	0.27537 (05011824)	0.28967 (05011824)
3751334.4	0.23354 (05011824)	0.24655 (05011824)	0.25888 (05011824)	0.27008 (05011824)	0.28384 (05011824)
3751234.4	0.23098 (05011824)	0.24165 (05011824)	0.25429 (05011824)	0.27718 (05011824)	0.29553 (05011824)
3751134.4	0.23068 (06011824)	0.24029 (05011824)	0.25413 (05011824)	0.29006 (05011824)	0.29664 (05011824)
3751034.4	0.22628 (05011824)	0.24162 (05011824)	0.27495 (05011824)	0.26022 (05011824)	0.27754 (06101824)
3750934.4	0.24512 (05011824)	0.25901 (05011824)	0.25855 (05011824)	0.23315 (06101824)	0.24384 (06101824)

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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114018 , L0114019 , L0114020 , L0114021 ,
L0114022 , L0114023 , L0114024 , L0114025 , L0114026 , L0114027 , L0114028 , L0114029 ,
L0114030 , L0114031 , L0114032 , L0114033 , L0112145 , L0112146 , L0112147 , L0112148 ,
L0112149 , L0112150 , L0112151 , L0112152 , L0112153 , L0112154 , L0112155 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485051.71	485151.71	485251.71	485351.71	485451.71
3754634.4	1.01015 (07120324)	1.09676 (07120324)	1.19184 (07120324)	1.41585 (07120324)	1.91097 (07120324)
3754534.4	0.95611 (07120324)	1.04248 (07120324)	1.18604 (07120324)	1.38220 (07120324)	1.82323 (07120324)
3754434.4	0.82784 (07120324)	0.92244 (07120324)	1.05255 (07120324)	1.27201 (07120324)	1.81728 (07120324)
3754334.4	0.77874 (05021124)	0.85545 (05021124)	0.98773 (05021124)	1.16705 (05021124)	1.66721 (07120324)
3754234.4	0.77505 (05021124)	0.83371 (05021124)	0.93506 (05021124)	1.08168 (05021124)	1.39196 (05021124)
3754134.4	0.73047 (05021124)	0.79635 (05021124)	0.88358 (05021124)	0.97737 (05021124)	1.19161 (05021124)
3754034.4	0.69443 (05021124)	0.74263 (05021124)	0.81362 (05021124)	0.89230 (05021124)	1.10966 (05022224)
3753934.4	0.65219 (05021124)	0.69237 (05021124)	0.76066 (05022224)	0.87124 (05022224)	1.10345 (05022224)
3753834.4	0.62014 (05022224)	0.67755 (05022224)	0.74614 (05022224)	0.82944 (05022224)	1.04459 (05022224)
3753734.4	0.61590 (05022224)	0.67303 (05022224)	0.73595 (05022224)	0.82486 (05022224)	1.02304 (05022224)
3753634.4	0.61421 (05022224)	0.66297 (05022224)	0.72372 (05022224)	0.80948 (05022224)	0.98937 (05022224)
3753534.4	0.59728 (05022224)	0.64135 (05022224)	0.68872 (05022224)	0.77940 (05022224)	0.99761 (05022224)
3753434.4	0.57316 (05022224)	0.61040 (05022224)	0.65851 (05022224)	0.74319 (05022224)	0.93271 (05022224)
3753334.4	0.54197 (05022224)	0.57792 (05022224)	0.62603 (05022224)	0.70932 (05022224)	0.90011 (05022224)
3753234.4	0.50853 (05022224)	0.54687 (05022224)	0.59294 (05022224)	0.67533 (05022224)	0.87191 (05022224)
3753134.4	0.48014 (05022224)	0.51639 (05020324)	0.55887 (05020324)	0.63216 (05020324)	0.81879 (05020324)
3753034.4	0.45805 (05020324)	0.49718 (05020324)	0.53807 (05020324)	0.60323 (05020324)	0.70994 (05020324)
3752934.4	0.43872m(05012424)	0.47036 (05020324)	0.50879 (05020324)	0.54764 (05020324)	0.57843 (05020324)
3752834.4	0.42200m(05012424)	0.44678 (05020324)	0.48330 (05020324)	0.51026 (05020324)	0.54553 (05020324)
3752734.4	0.40652m(05012424)	0.42441 (05020324)	0.45522 (05020324)	0.48405 (05020324)	0.51721 (05020324)
3752634.4	0.39250 (05020324)	0.41491 (05020324)	0.43790 (05020324)	0.46226 (05020324)	0.49755 (05020324)
3752534.4	0.37053 (05020324)	0.39484 (05020324)	0.41586 (05020324)	0.44434 (05020324)	0.47890 (05011824)
3752434.4	0.35194 (05020324)	0.38006 (05020324)	0.39723 (05020324)	0.43225 (05011824)	0.47258 (05011824)
3752334.4	0.34378 (05020124)	0.36538 (06111124)	0.38996 (05011824)	0.42370 (05011824)	0.45905 (05011824)
3752234.4	0.32822 (06111124)	0.35809 (05011824)	0.37941 (05011824)	0.41246 (05011824)	0.45260 (05011824)
3752134.4	0.32790 (05011824)	0.35046 (05011824)	0.37958 (05011824)	0.40881 (05011824)	0.43879 (05011824)
3752034.4	0.32134 (05011824)	0.34507 (05011824)	0.37047 (05011824)	0.39770 (05011824)	0.44465 (05011824)
3751934.4	0.32004 (05011824)	0.34289 (05011824)	0.36207 (05011824)	0.39861 (05011824)	0.43835 (06101824)
3751834.4	0.31726 (05011824)	0.33666 (05011824)	0.37056 (05011824)	0.39551 (06101824)	0.41063 (06101824)
3751734.4	0.31358 (05011824)	0.33580 (05011824)	0.36385 (05011824)	0.38282 (06101824)	0.40659 (06101824)
3751634.4	0.30821 (05011824)	0.33925 (05011824)	0.35300 (06101824)	0.37928 (06101824)	0.38102 (06101824)
3751534.4	0.31815 (05011824)	0.32531 (06101824)	0.35067 (06101824)	0.34194 (06101824)	0.27913 (06101824)
3751434.4	0.30867 (06101824)	0.33048 (06101824)	0.31996 (06101824)	0.26264 (06101824)	0.24361 (06121824)
3751334.4	0.31141 (06101824)	0.31580 (06101824)	0.25728 (06101824)	0.23579 (06101824)	0.23226 (06121824)
3751234.4	0.30899 (06101824)	0.28613 (06101824)	0.23496 (06101824)	0.22146 (06101824)	0.21660 (06121824)
3751134.4	0.29101 (06101824)	0.27314 (06101824)	0.22643 (06101824)	0.20902 (06121824)	0.20068 (06121824)
3751034.4	0.26752 (06101824)	0.23346 (06101824)	0.20729 (06101824)	0.19721 (06121824)	0.18869 (07121024)
3750934.4	0.23520 (06101824)	0.20700 (06101824)	0.19285 (06101824)	0.18485 (06121824)	0.17918 (07121024)

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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114018 , L0114019 , L0114020 , L0114021 ,
L0114022 , L0114023 , L0114024 , L0114025 , L0114026 , L0114027 , L0114028 , L0114029 ,
L0114030 , L0114031 , L0114032 , L0114033 , L0112145 , L0112146 , L0112147 , L0112148 ,
L0112149 , L0112150 , L0112151 , L0112152 , L0112153 , L0112154 , L0112155 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.9	0.89609m(05012424)	0.82064m(05012424)	0.85281m(05012424)	0.98112 (07121524)
3753334.9	0.84420m(05012424)	0.76285m(05012424)	0.82244 (07121524)	1.03060 (07121524)
3753234.9	0.80940m(05012424)	0.74190 (06120624)	0.80556 (05020324)	1.05095 (07121524)
3753134.9	0.77557m(05012424)	0.73370m(05012424)	0.82275m(05012424)	1.09911 (05020324)
3753034.9	0.70767m(05012424)	0.72354m(05012424)	0.81849m(05012424)	1.09428 (05020324)
3752934.9	0.62635m(05012424)	0.68760m(05012424)	0.78559m(05012424)	1.05683 (05020324)
3752834.9	0.59358m(05012424)	0.65390m(05012424)	0.76859 (05011824)	1.03702 (05011824)
3752734.9	0.56468m(05012424)	0.62680 (05011824)	0.74911 (05011824)	0.99692 (05020324)
3752634.9	0.54031 (05011824)	0.61424 (05011824)	0.72631 (05011824)	0.98041 (06022624)
3752534.9	0.53143 (05011824)	0.59178 (05011824)	0.69816 (06022624)	0.95111 (06022624)
3752434.9	0.51809 (05011824)	0.57493 (05011824)	0.68797 (06022624)	0.96843 (06022624)
3752334.9	0.50786 (05011824)	0.56520 (05011824)	0.68318 (06022624)	0.96414 (06022624)
3752234.9	0.49216 (05011824)	0.57114 (06022624)	0.66862 (06022624)	0.86315 (06011724)
3752134.9	0.49623 (06022624)	0.56168 (06022624)	0.63135 (06022624)	0.74892 (06011724)
3752034.9	0.47771 (06022624)	0.52677 (06022624)	0.56239 (06022624)	0.63156 (07102624)
3751934.9	0.45090 (06101824)	0.48746 (06022624)	0.51921 (06011724)	0.55614 (07102624)
3751834.9	0.43533 (06101824)	0.44361 (06101824)	0.45522 (06011724)	0.43850 (07102624)
3751734.9	0.41436 (06101824)	0.41402 (06011724)	0.38359 (06011724)	0.32360 (07102624)
3751634.9	0.36294 (06101824)	0.31899 (07121024)	0.31987 (07102624)	0.27229m(05041224)
3751534.9	0.26518 (06121824)	0.25594 (06011724)	0.27355 (07102624)	0.25269m(05041224)
3751434.9	0.23927 (06121824)	0.23646 (06011724)	0.24198 (07102624)	0.23088m(05041224)
3751334.9	0.21986 (06121824)	0.22669 (06011724)	0.22102 (07102624)	0.21212m(05041224)
3751234.9	0.20372 (06011724)	0.21770 (06011724)	0.20164 (07102624)	0.19613m(05041224)
3751134.9	0.20059 (06011724)	0.20942 (06011724)	0.18568m(05041224)	0.18720 (07121024)
3751034.9	0.19748 (06011724)	0.20096 (06011724)	0.18126 (07121024)	0.18007 (07121024)
3750934.9	0.19454 (06011724)	0.19218 (06011724)	0.17763 (07121024)	0.17361 (07011424)

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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114018 , L0114019 , L0114020 , L0114021 ,
L0114022 , L0114023 , L0114024 , L0114025 , L0114026 , L0114027 , L0114028 , L0114029 ,
L0114030 , L0114031 , L0114032 , L0114033 , L0112145 , L0112146 , L0112147 , L0112148 ,
L0112149 , L0112150 , L0112151 , L0112152 , L0112153 , L0112154 , L0112155 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
485619.40	3753969.72	1.10907m	(05012424)	485712.99	3753961.92	1.16141m	(05012424)
487190.85	3754410.34	7.48977	(05030224)	487194.75	3754289.46	4.37053	(07111824)
487268.83	3754090.60	2.67186	(07111824)	487483.30	3754102.29	1.99589	(05030224)

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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 3 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	4.24176	AT (487190.85, 3754410.34, 509.37, 776.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	2.63981	AT (487194.75, 3754289.46, 507.16, 777.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	1.56764	AT (487268.83, 3754090.60, 503.10, 777.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	1.04528	AT (487483.30, 3754102.29, 501.97, 777.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.99244	AT (487553.03, 3754938.31, 526.30, 528.00, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	0.83823	AT (487553.03, 3753938.31, 496.40, 777.00, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.80291	AT (486553.03, 3754938.31, 525.60, 525.60, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.69956	AT (488553.03, 3754938.31, 538.80, 546.00, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.67418	AT (489553.03, 3753938.31, 504.20, 569.00, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.66225	AT (486553.03, 3753938.31, 503.00, 811.00, 0.00)	GC	UCART1

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	7.48977	ON 05030224: AT (487190.85, 3754410.34, 509.37, 776.00, 0.00)	DC		

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART

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**MODELOPTs:  NonDFAULT CONC                                          ELEV
                        FASTALL

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of           0 Fatal Error Message(s)
A Total of         189 Warning Message(s)
A Total of         117 Informational Message(s)

A Total of       26280 Hours Were Processed

A Total of           0 Calm Hours Identified

A Total of         117 Missing Hours Identified (  0.45 Percent)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
SO W320    1322  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1323  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1324  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1325  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1326  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1327  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1328  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1329  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1330  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1430  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1431  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1432  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1433  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1434  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1435  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1436  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1437  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1438  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1439  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1440  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1441  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1442  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1443  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1444  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1445  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1446  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1447  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1467  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1468  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1469  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1470  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1471  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1472  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1473  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1474  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1475  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1476  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
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SO W320    1479  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
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SO W320    1485  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
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SO W320    1497  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1500  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1501  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1502  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
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SO W320    1521  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1522  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
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SO W320    1523  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1722  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1723  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1724  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
ME W530    1972 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

   ************************************
   *** AERMOD Finishes Successfully ***
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WLC LST Assessment - PM10 (Annual average)

Year: 2017 (Unmitigated Emissions - 15 hour day)

X(m)	Y(m)	24hr Ave Construction (ug/m3)	X(m)	Y(m)	24hr Ave Operations (ug/m3)	24hr Ave Total (ug/m3)
461553	3741938	0.00182	461553	3741938	0.00346	0.0053
462553	3741938	0.00152	462553	3741938	0.00281	0.0043
463553	3741938	0.00166	463553	3741938	0.00275	0.0044
464553	3741938	0.00186	464553	3741938	0.00288	0.0047
465553	3741938	0.00177	465553	3741938	0.0026	0.0044
466553	3741938	0.00211	466553	3741938	0.00306	0.0052
467553	3741938	0.00207	467553	3741938	0.00305	0.0051
468553	3741938	0.00189	468553	3741938	0.00276	0.0047
469553	3741938	0.00249	469553	3741938	0.00354	0.0060
470553	3741938	0.00244	470553	3741938	0.00346	0.0059
471553	3741938	0.00259	471553	3741938	0.00379	0.0064
472553	3741938	0.00277	472553	3741938	0.00424	0.0070
473553	3741938	0.00292	473553	3741938	0.00476	0.0077
474553	3741938	0.00304	474553	3741938	0.00498	0.0080
475553	3741938	0.00314	475553	3741938	0.00517	0.0083
476553	3741938	0.00367	476553	3741938	0.00651	0.0102
477553	3741938	0.00428	477553	3741938	0.00742	0.0117
478553	3741938	0.00503	478553	3741938	0.00821	0.0132
479553	3741938	0.00631	479553	3741938	0.00927	0.0156
480553	3741938	0.00812	480553	3741938	0.01053	0.0187
481553	3741938	0.01019	481553	3741938	0.0119	0.0221
482553	3741938	0.01213	482553	3741938	0.0134	0.0255
483553	3741938	0.01327	483553	3741938	0.01492	0.0282
484553	3741938	0.01329	484553	3741938	0.01583	0.0291
485553	3741938	0.01283	485553	3741938	0.01698	0.0298
486553	3741938	0.01238	486553	3741938	0.01854	0.0309
487553	3741938	0.01222	487553	3741938	0.02044	0.0327
488553	3741938	0.01263	488553	3741938	0.02268	0.0353
489553	3741938	0.0136	489553	3741938	0.02512	0.0387
490553	3741938	0.01497	490553	3741938	0.02715	0.0421
491553	3741938	0.01298	491553	3741938	0.02493	0.0379
492553	3741938	0.01104	492553	3741938	0.02081	0.0319
493553	3741938	0.00987	493553	3741938	0.01699	0.0269
494553	3741938	0.0096	494553	3741938	0.01609	0.0257
495553	3741938	0.01632	495553	3741938	0.02778	0.0441
496553	3741938	0.0169	496553	3741938	0.02712	0.0440
497553	3741938	0.0174	497553	3741938	0.02609	0.0435
498553	3741938	0.01818	498553	3741938	0.02519	0.0434
499553	3741938	0.01918	499553	3741938	0.02436	0.0435
500553	3741938	0.02043	500553	3741938	0.02373	0.0442
501553	3741938	0.02171	501553	3741938	0.02317	0.0449
502553	3741938	0.02298	502553	3741938	0.02273	0.0457
503553	3741938	0.02414	503553	3741938	0.02239	0.0465
504553	3741938	0.01543	504553	3741938	0.01359	0.0290

505553	3741938	0.01336	505553	3741938	0.01007	0.0234
461553	3742938	0.00167	461553	3742938	0.00338	0.0051
462553	3742938	0.00179	462553	3742938	0.00353	0.0053
463553	3742938	0.00195	463553	3742938	0.00373	0.0057
464553	3742938	0.00192	464553	3742938	0.00362	0.0055
465553	3742938	0.00207	465553	3742938	0.00373	0.0058
466553	3742938	0.00225	466553	3742938	0.00379	0.0060
467553	3742938	0.00275	467553	3742938	0.00442	0.0072
468553	3742938	0.00258	468553	3742938	0.00413	0.0067
469553	3742938	0.00261	469553	3742938	0.00385	0.0065
470553	3742938	0.00293	470553	3742938	0.00443	0.0074
471553	3742938	0.00309	471553	3742938	0.00458	0.0077
472553	3742938	0.00323	472553	3742938	0.00482	0.0081
473553	3742938	0.00335	473553	3742938	0.00525	0.0086
474553	3742938	0.00354	474553	3742938	0.00569	0.0092
475553	3742938	0.00395	475553	3742938	0.00643	0.0104
476553	3742938	0.00411	476553	3742938	0.00703	0.0111
477553	3742938	0.00437	477553	3742938	0.00761	0.0120
478553	3742938	0.00498	478553	3742938	0.00849	0.0135
479553	3742938	0.00608	479553	3742938	0.00961	0.0157
480553	3742938	0.00781	480553	3742938	0.01097	0.0188
481553	3742938	0.0102	481553	3742938	0.01261	0.0228
482553	3742938	0.01276	482553	3742938	0.01445	0.0272
483553	3742938	0.01463	483553	3742938	0.01631	0.0309
484553	3742938	0.01522	484553	3742938	0.01773	0.0330
485553	3742938	0.01484	485553	3742938	0.01909	0.0339
486553	3742938	0.01439	486553	3742938	0.02097	0.0354
487553	3742938	0.01413	487553	3742938	0.02322	0.0374
488553	3742938	0.0147	488553	3742938	0.02603	0.0407
489553	3742938	0.01589	489553	3742938	0.02889	0.0448
490553	3742938	0.01738	490553	3742938	0.0313	0.0487
491553	3742938	0.01873	491553	3742938	0.0331	0.0518
492553	3742938	0.01696	492553	3742938	0.03027	0.0472
493553	3742938	0.01103	493553	3742938	0.01855	0.0296
494553	3742938	0.01193	494553	3742938	0.02077	0.0327
495553	3742938	0.01931	495553	3742938	0.03109	0.0504
496553	3742938	0.0199	496553	3742938	0.02988	0.0498
497553	3742938	0.02071	497553	3742938	0.02855	0.0493
498553	3742938	0.02193	498553	3742938	0.0275	0.0494
499553	3742938	0.02333	499553	3742938	0.02659	0.0499
500553	3742938	0.02483	500553	3742938	0.02586	0.0507
501553	3742938	0.02635	501553	3742938	0.02532	0.0517
502553	3742938	0.0221	502553	3742938	0.02001	0.0421
503553	3742938	0.01619	503553	3742938	0.01297	0.0292
504553	3742938	0.0149	504553	3742938	0.0106	0.0255
505553	3742938	0.01406	505553	3742938	0.00902	0.0231
461553	3743938	0.00166	461553	3743938	0.00337	0.0050
462553	3743938	0.00172	462553	3743938	0.0035	0.0052
463553	3743938	0.00182	463553	3743938	0.00367	0.0055
464553	3743938	0.00195	464553	3743938	0.00385	0.0058
465553	3743938	0.00209	465553	3743938	0.00403	0.0061
466553	3743938	0.00228	466553	3743938	0.00422	0.0065

467553	3743938	0.00253	467553	3743938	0.00448	0.0070
468553	3743938	0.00279	468553	3743938	0.00472	0.0075
469553	3743938	0.00307	469553	3743938	0.00495	0.0080
470553	3743938	0.00338	470553	3743938	0.00508	0.0085
471553	3743938	0.00338	471553	3743938	0.00519	0.0086
472553	3743938	0.00362	472553	3743938	0.00544	0.0091
473553	3743938	0.00381	473553	3743938	0.00571	0.0095
474553	3743938	0.00395	474553	3743938	0.006	0.0100
475553	3743938	0.00432	475553	3743938	0.00684	0.0112
476553	3743938	0.00444	476553	3743938	0.00729	0.0117
477553	3743938	0.00467	477553	3743938	0.00793	0.0126
478553	3743938	0.00511	478553	3743938	0.00881	0.0139
479553	3743938	0.00595	479553	3743938	0.00997	0.0159
480553	3743938	0.00756	480553	3743938	0.01154	0.0191
481553	3743938	0.01005	481553	3743938	0.01341	0.0235
482553	3743938	0.01312	482553	3743938	0.01552	0.0286
483553	3743938	0.01632	483553	3743938	0.01777	0.0341
484553	3743938	0.01018	484553	3743938	0.0107	0.0209
485553	3743938	0.01769	485553	3743938	0.02212	0.0398
486553	3743938	0.01696	486553	3743938	0.02409	0.0411
487553	3743938	0.0168	487553	3743938	0.02704	0.0438
488553	3743938	0.01741	488553	3743938	0.03034	0.0478
489553	3743938	0.01882	489553	3743938	0.03368	0.0525
490553	3743938	0.0204	490553	3743938	0.03629	0.0567
491553	3743938	0.02168	491553	3743938	0.03793	0.0596
492553	3743938	0.02296	492553	3743938	0.03915	0.0621
493553	3743938	0.02311	493553	3743938	0.03844	0.0616
494553	3743938	0.02252	494553	3743938	0.03628	0.0588
495553	3743938	0.02302	495553	3743938	0.03466	0.0577
496553	3743938	0.0241	496553	3743938	0.03304	0.0571
497553	3743938	0.02553	497553	3743938	0.03159	0.0571
498553	3743938	0.0272	498553	3743938	0.03035	0.0576
499553	3743938	0.02889	499553	3743938	0.02926	0.0582
500553	3743938	0.03054	500553	3743938	0.02844	0.0590
501553	3743938	0.03026	501553	3743938	0.02645	0.0567
502553	3743938	0.01887	502553	3743938	0.01447	0.0333
503553	3743938	0.01744	503553	3743938	0.01201	0.0295
504553	3743938	0.01833	504553	3743938	0.01236	0.0307
505553	3743938	0.01709	505553	3743938	0.01099	0.0281
461553	3744938	0.00176	461553	3744938	0.00348	0.0052
462553	3744938	0.00184	462553	3744938	0.00367	0.0055
463553	3744938	0.00188	463553	3744938	0.00377	0.0057
464553	3744938	0.00194	464553	3744938	0.00389	0.0058
465553	3744938	0.00204	465553	3744938	0.0041	0.0061
466553	3744938	0.00221	466553	3744938	0.00437	0.0066
467553	3744938	0.00195	467553	3744938	0.00378	0.0057
468553	3744938	0.00233	468553	3744938	0.00441	0.0067
469553	3744938	0.00251	469553	3744938	0.0046	0.0071
470553	3744938	0.00294	470553	3744938	0.005	0.0079
471553	3744938	0.00331	471553	3744938	0.00543	0.0087
472553	3744938	0.00366	472553	3744938	0.00573	0.0094
473553	3744938	0.00399	473553	3744938	0.00605	0.0100

474553	3744938	0.00416	474553	3744938	0.00617	0.0103
475553	3744938	0.00475	475553	3744938	0.00721	0.0120
476553	3744938	0.00492	476553	3744938	0.00769	0.0126
477553	3744938	0.00512	477553	3744938	0.00832	0.0134
478553	3744938	0.00547	478553	3744938	0.00921	0.0147
479553	3744938	0.0061	479553	3744938	0.01042	0.0165
480553	3744938	0.00739	480553	3744938	0.01209	0.0195
481553	3744938	0.00978	481553	3744938	0.01427	0.0241
482553	3744938	0.01335	482553	3744938	0.01687	0.0302
483553	3744938	0.01729	483553	3744938	0.01987	0.0372
484553	3744938	0.02	484553	3744938	0.02291	0.0429
485553	3744938	0.01206	485553	3744938	0.01431	0.0264
486553	3744938	0.02091	486553	3744938	0.02883	0.0497
487553	3744938	0.02025	487553	3744938	0.03185	0.0521
488553	3744938	0.02103	488553	3744938	0.03594	0.0570
489553	3744938	0.02286	489553	3744938	0.04022	0.0631
490553	3744938	0.02456	490553	3744938	0.04313	0.0677
491553	3744938	0.02601	491553	3744938	0.04478	0.0708
492553	3744938	0.02692	492553	3744938	0.04489	0.0718
493553	3744938	0.02711	493553	3744938	0.04352	0.0706
494553	3744938	0.0275	494553	3744938	0.04142	0.0689
495553	3744938	0.02869	495553	3744938	0.03914	0.0678
496553	3744938	0.03044	496553	3744938	0.03712	0.0676
497553	3744938	0.03259	497553	3744938	0.0355	0.0681
498553	3744938	0.03463	498553	3744938	0.03399	0.0686
499553	3744938	0.03653	499553	3744938	0.03281	0.0693
500553	3744938	0.03835	500553	3744938	0.03195	0.0703
501553	3744938	0.02252	501553	3744938	0.01669	0.0392
502553	3744938	0.02322	502553	3744938	0.01657	0.0398
503553	3744938	0.0234	503553	3744938	0.01639	0.0398
504553	3744938	0.02081	504553	3744938	0.0137	0.0345
505553	3744938	0.02062	505553	3744938	0.01363	0.0343
461553	3745938	0.00189	461553	3745938	0.00362	0.0055
462553	3745938	0.002	462553	3745938	0.00384	0.0058
463553	3745938	0.00203	463553	3745938	0.00395	0.0060
464553	3745938	0.00204	464553	3745938	0.004	0.0060
465553	3745938	0.00208	465553	3745938	0.0041	0.0062
466553	3745938	0.0022	466553	3745938	0.00437	0.0066
467553	3745938	0.00235	467553	3745938	0.00467	0.0070
468553	3745938	0.00234	468553	3745938	0.00465	0.0070
469553	3745938	0.00243	469553	3745938	0.00471	0.0071
470553	3745938	0.00245	470553	3745938	0.00473	0.0072
471553	3745938	0.00301	471553	3745938	0.00546	0.0085
472553	3745938	0.00345	472553	3745938	0.00592	0.0094
473553	3745938	0.00388	473553	3745938	0.00634	0.0102
474553	3745938	0.00434	474553	3745938	0.00677	0.0111
475553	3745938	0.00502	475553	3745938	0.00761	0.0126
476553	3745938	0.0054	476553	3745938	0.00817	0.0136
477553	3745938	0.00573	477553	3745938	0.00888	0.0146
478553	3745938	0.00607	478553	3745938	0.00977	0.0158
479553	3745938	0.0066	479553	3745938	0.01104	0.0176
480553	3745938	0.00756	480553	3745938	0.01278	0.0203

481553	3745938	0.00963	481553	3745938	0.01527	0.0249
482553	3745938	0.01357	482553	3745938	0.01866	0.0322
483553	3745938	0.01842	483553	3745938	0.02218	0.0406
484553	3745938	0.02254	484553	3745938	0.02591	0.0485
485553	3745938	0.0232	485553	3745938	0.02724	0.0504
486553	3745938	0.01578	486553	3745938	0.0229	0.0387
487553	3745938	0.02517	487553	3745938	0.03857	0.0637
488553	3745938	0.02629	488553	3745938	0.04383	0.0701
489553	3745938	0.02838	489553	3745938	0.04902	0.0774
490553	3745938	0.03053	490553	3745938	0.05264	0.0832
491553	3745938	0.03222	491553	3745938	0.05405	0.0863
492553	3745938	0.03331	492553	3745938	0.05334	0.0867
493553	3745938	0.0338	493553	3745938	0.05078	0.0846
494553	3745938	0.03519	494553	3745938	0.04771	0.0829
495553	3745938	0.03728	495553	3745938	0.04472	0.0820
496553	3745938	0.04012	496553	3745938	0.04254	0.0827
497553	3745938	0.04291	497553	3745938	0.04063	0.0835
498553	3745938	0.04526	498553	3745938	0.03905	0.0843
499553	3745938	0.04223	499553	3745938	0.03423	0.0765
500553	3745938	0.03827	500553	3745938	0.02941	0.0677
501553	3745938	0.03564	501553	3745938	0.02641	0.0621
502553	3745938	0.03801	502553	3745938	0.02735	0.0654
503553	3745938	0.03151	503553	3745938	0.02282	0.0543
504553	3745938	0.02555	504553	3745938	0.01772	0.0433
505553	3745938	0.0236	505553	3745938	0.01577	0.0394
461553	3746938	0.002	461553	3746938	0.00373	0.0057
462553	3746938	0.00213	462553	3746938	0.00398	0.0061
463553	3746938	0.00217	463553	3746938	0.00409	0.0063
464553	3746938	0.00214	464553	3746938	0.00404	0.0062
465553	3746938	0.00227	465553	3746938	0.00432	0.0066
466553	3746938	0.00241	466553	3746938	0.00462	0.0070
467553	3746938	0.0025	467553	3746938	0.00484	0.0073
468553	3746938	0.00261	468553	3746938	0.00502	0.0076
469553	3746938	0.00275	469553	3746938	0.00514	0.0079
470553	3746938	0.00255	470553	3746938	0.005	0.0076
471553	3746938	0.00287	471553	3746938	0.00555	0.0084
472553	3746938	0.00317	472553	3746938	0.00604	0.0092
473553	3746938	0.00343	473553	3746938	0.0064	0.0098
474553	3746938	0.00413	474553	3746938	0.00718	0.0113
475553	3746938	0.00493	475553	3746938	0.00804	0.0130
476553	3746938	0.00555	476553	3746938	0.00867	0.0142
477553	3746938	0.00623	477553	3746938	0.00952	0.0158
478553	3746938	0.0068	478553	3746938	0.01052	0.0173
479553	3746938	0.00739	479553	3746938	0.01182	0.0192
480553	3746938	0.00831	480553	3746938	0.01382	0.0221
481553	3746938	0.01009	481553	3746938	0.01671	0.0268
482553	3746938	0.01347	482553	3746938	0.02035	0.0338
483553	3746938	0.01926	483553	3746938	0.02489	0.0442
484553	3746938	0.02539	484553	3746938	0.02994	0.0553
485553	3746938	0.02988	485553	3746938	0.03558	0.0655
486553	3746938	0.03001	486553	3746938	0.03919	0.0692
487553	3746938	0.03347	487553	3746938	0.04955	0.0830

488553	3746938	0.03426	488553	3746938	0.0554	0.0897
489553	3746938	0.0384	489553	3746938	0.06418	0.1026
490553	3746938	0.03911	490553	3746938	0.06565	0.1048
491553	3746938	0.04131	491553	3746938	0.06628	0.1076
492553	3746938	0.04286	492553	3746938	0.064	0.1069
493553	3746938	0.04495	493553	3746938	0.06036	0.1053
494553	3746938	0.04737	494553	3746938	0.05573	0.1031
495553	3746938	0.05064	495553	3746938	0.05211	0.1028
496553	3746938	0.05424	496553	3746938	0.04942	0.1037
497553	3746938	0.05684	497553	3746938	0.04701	0.1039
498553	3746938	0.05611	498553	3746938	0.04363	0.0997
499553	3746938	0.03534	499553	3746938	0.02599	0.0613
500553	3746938	0.03422	500553	3746938	0.02432	0.0585
501553	3746938	0.03488	501553	3746938	0.02512	0.0600
502553	3746938	0.0317	502553	3746938	0.02231	0.0540
503553	3746938	0.03164	503553	3746938	0.02231	0.0540
504553	3746938	0.03064	504553	3746938	0.02149	0.0521
505553	3746938	0.02741	505553	3746938	0.01906	0.0465
461553	3747938	0.00213	461553	3747938	0.00385	0.0060
462553	3747938	0.00222	462553	3747938	0.00403	0.0063
463553	3747938	0.00217	463553	3747938	0.00396	0.0061
464553	3747938	0.00226	464553	3747938	0.00415	0.0064
465553	3747938	0.00241	465553	3747938	0.00444	0.0069
466553	3747938	0.00229	466553	3747938	0.00372	0.0060
467553	3747938	0.0024	467553	3747938	0.00395	0.0064
468553	3747938	0.00249	468553	3747938	0.00414	0.0066
469553	3747938	0.00273	469553	3747938	0.00487	0.0076
470553	3747938	0.0028	470553	3747938	0.00516	0.0080
471553	3747938	0.00296	471553	3747938	0.00558	0.0085
472553	3747938	0.00316	472553	3747938	0.0061	0.0093
473553	3747938	0.00344	473553	3747938	0.00672	0.0102
474553	3747938	0.00412	474553	3747938	0.0078	0.0119
475553	3747938	0.00462	475553	3747938	0.00845	0.0131
476553	3747938	0.00531	476553	3747938	0.00922	0.0145
477553	3747938	0.00621	477553	3747938	0.01021	0.0164
478553	3747938	0.00723	478553	3747938	0.0114	0.0186
479553	3747938	0.00826	479553	3747938	0.01288	0.0211
480553	3747938	0.00935	480553	3747938	0.01495	0.0243
481553	3747938	0.00643	481553	3747938	0.01101	0.0174
482553	3747938	0.00788	482553	3747938	0.01451	0.0224
483553	3747938	0.01964	483553	3747938	0.02777	0.0474
484553	3747938	0.02879	484553	3747938	0.03495	0.0637
485553	3747938	0.03605	485553	3747938	0.04306	0.0791
486553	3747938	0.04142	486553	3747938	0.05297	0.0944
487553	3747938	0.03221	487553	3747938	0.05253	0.0847
488553	3747938	0.04671	488553	3747938	0.07289	0.1196
489553	3747938	0.04926	489553	3747938	0.08	0.1293
490553	3747938	0.0526	490553	3747938	0.08411	0.1367
491553	3747938	0.05664	491553	3747938	0.0838	0.1404
492553	3747938	0.05933	492553	3747938	0.0785	0.1378
493553	3747938	0.06258	493553	3747938	0.07197	0.1346
494553	3747938	0.06684	494553	3747938	0.06644	0.1333

495553	3747938	0.07077	495553	3747938	0.06182	0.1326
496553	3747938	0.0712	496553	3747938	0.05652	0.1277
497553	3747938	0.0488	497553	3747938	0.03778	0.0866
498553	3747938	0.06397	498553	3747938	0.04596	0.1099
499553	3747938	0.04377	499553	3747938	0.03157	0.0753
500553	3747938	0.04074	500553	3747938	0.02901	0.0698
501553	3747938	0.0357	501553	3747938	0.02444	0.0601
502553	3747938	0.03157	502553	3747938	0.02083	0.0524
503553	3747938	0.03009	503553	3747938	0.0206	0.0507
504553	3747938	0.02758	504553	3747938	0.01901	0.0466
505553	3747938	0.0259	505553	3747938	0.01816	0.0441
461553	3748938	0.00228	461553	3748938	0.00394	0.0062
462553	3748938	0.00224	462553	3748938	0.00388	0.0061
463553	3748938	0.00237	463553	3748938	0.00415	0.0065
464553	3748938	0.00254	464553	3748938	0.00446	0.0070
465553	3748938	0.00268	465553	3748938	0.00475	0.0074
466553	3748938	0.0028	466553	3748938	0.005	0.0078
467553	3748938	0.00296	467553	3748938	0.00502	0.0080
468553	3748938	0.0027	468553	3748938	0.00431	0.0070
469553	3748938	0.00297	469553	3748938	0.00491	0.0079
470553	3748938	0.00307	470553	3748938	0.00503	0.0081
471553	3748938	0.00327	471553	3748938	0.00547	0.0087
472553	3748938	0.00351	472553	3748938	0.00615	0.0097
473553	3748938	0.00386	473553	3748938	0.00711	0.0110
474553	3748938	0.00426	474553	3748938	0.00817	0.0124
475553	3748938	0.00461	475553	3748938	0.00889	0.0135
476553	3748938	0.00514	476553	3748938	0.00981	0.0150
477553	3748938	0.00591	477553	3748938	0.01096	0.0169
478553	3748938	0.00699	478553	3748938	0.01233	0.0193
479553	3748938	0.00848	479553	3748938	0.01412	0.0226
480553	3748938	0.01028	480553	3748938	0.01649	0.0268
481553	3748938	0.01182	481553	3748938	0.01913	0.0310
482553	3748938	0.00813	482553	3748938	0.01339	0.0215
483553	3748938	0.01666	483553	3748938	0.02849	0.0452
484553	3748938	0.03176	484553	3748938	0.0409	0.0727
485553	3748938	0.04431	485553	3748938	0.0532	0.0975
486553	3748938	0.05509	486553	3748938	0.06883	0.1239
487553	3748938	0.05562	487553	3748938	0.07956	0.1352
488553	3748938	0.06751	488553	3748938	0.10063	0.1681
489553	3748938	0.07137	489553	3748938	0.10856	0.1799
490553	3748938	0.07713	490553	3748938	0.11173	0.1889
491553	3748938	0.08386	491553	3748938	0.10816	0.1920
492553	3748938	0.08939	492553	3748938	0.09952	0.1889
493553	3748938	0.09417	493553	3748938	0.08993	0.1841
494553	3748938	0.09723	494553	3748938	0.08114	0.1784
495553	3748938	0.08157	495553	3748938	0.06409	0.1457
496553	3748938	0.05807	496553	3748938	0.04184	0.0999
497553	3748938	0.06211	497553	3748938	0.04528	0.1074
498553	3748938	0.06315	498553	3748938	0.04538	0.1085
499553	3748938	0.04736	499553	3748938	0.03353	0.0809
500553	3748938	0.03984	500553	3748938	0.02715	0.0670
501553	3748938	0.03504	501553	3748938	0.02366	0.0587

502553	3748938	0.03128	502553	3748938	0.02136	0.0526
503553	3748938	0.02755	503553	3748938	0.01866	0.0462
504553	3748938	0.02514	504553	3748938	0.01741	0.0426
505553	3748938	0.02216	505553	3748938	0.0151	0.0373
461553	3749938	0.00238	461553	3749938	0.00394	0.0063
462553	3749938	0.00246	462553	3749938	0.0041	0.0066
463553	3749938	0.00265	463553	3749938	0.00443	0.0071
464553	3749938	0.00286	464553	3749938	0.0048	0.0077
465553	3749938	0.00296	465553	3749938	0.005	0.0080
466553	3749938	0.00306	466553	3749938	0.00519	0.0083
467553	3749938	0.00326	467553	3749938	0.00555	0.0088
468553	3749938	0.00344	468553	3749938	0.00583	0.0093
469553	3749938	0.00338	469553	3749938	0.00573	0.0091
470553	3749938	0.0034	470553	3749938	0.00552	0.0089
471553	3749938	0.00357	471553	3749938	0.00575	0.0093
472553	3749938	0.00389	472553	3749938	0.00643	0.0103
473553	3749938	0.00443	473553	3749938	0.00798	0.0124
474553	3749938	0.00473	474553	3749938	0.00869	0.0134
475553	3749938	0.00509	475553	3749938	0.00949	0.0146
476553	3749938	0.00553	476553	3749938	0.01048	0.0160
477553	3749938	0.00616	477553	3749938	0.01182	0.0180
478553	3749938	0.007	478553	3749938	0.01346	0.0205
479553	3749938	0.00826	479553	3749938	0.01558	0.0238
480553	3749938	0.01012	480553	3749938	0.01821	0.0283
481553	3749938	0.01328	481553	3749938	0.02242	0.0357
482553	3749938	0.01621	482553	3749938	0.02694	0.0432
483553	3749938	0.02049	483553	3749938	0.03484	0.0553
484553	3749938	0.02402	484553	3749938	0.04006	0.0641
485553	3749938	0.03399	485553	3749938	0.04758	0.0816
486553	3749938	0.05811	486553	3749938	0.07472	0.1328
487553	3749938	0.0933	487553	3749938	0.12009	0.2134
488553	3749938	0.10357	488553	3749938	0.14364	0.2472
489553	3749938	0.11774	489553	3749938	0.15686	0.2746
490553	3749938	0.12957	490553	3749938	0.15738	0.2870
491553	3749938	0.13796	491553	3749938	0.14698	0.2849
492553	3749938	0.14492	492553	3749938	0.13249	0.2774
493553	3749938	0.14916	493553	3749938	0.11804	0.2672
494553	3749938	0.14297	494553	3749938	0.10311	0.2461
495553	3749938	0.08116	495553	3749938	0.05834	0.1395
496553	3749938	0.07283	496553	3749938	0.05238	0.1252
497553	3749938	0.08131	497553	3749938	0.05824	0.1396
498553	3749938	0.05776	498553	3749938	0.04244	0.1002
499553	3749938	0.04339	499553	3749938	0.0301	0.0735
500553	3749938	0.03675	500553	3749938	0.02493	0.0617
501553	3749938	0.03201	501553	3749938	0.02174	0.0538
502553	3749938	0.02788	502553	3749938	0.01859	0.0465
503553	3749938	0.02487	503553	3749938	0.01658	0.0415
504553	3749938	0.02235	504553	3749938	0.0149	0.0373
505553	3749938	0.02022	505553	3749938	0.01349	0.0337
461553	3750938	0.00246	461553	3750938	0.00404	0.0065
462553	3750938	0.00258	462553	3750938	0.00425	0.0068
463553	3750938	0.00273	463553	3750938	0.0045	0.0072

464553	3750938	0.00287	464553	3750938	0.00473	0.0076
465553	3750938	0.003	465553	3750938	0.00494	0.0079
466553	3750938	0.00327	466553	3750938	0.00539	0.0087
467553	3750938	0.00359	467553	3750938	0.00592	0.0095
468553	3750938	0.00379	468553	3750938	0.00627	0.0101
469553	3750938	0.00401	469553	3750938	0.00658	0.0106
470553	3750938	0.00404	470553	3750938	0.00651	0.0106
471553	3750938	0.00424	471553	3750938	0.00661	0.0109
472553	3750938	0.00465	472553	3750938	0.0077	0.0124
473553	3750938	0.00509	473553	3750938	0.00867	0.0138
474553	3750938	0.00545	474553	3750938	0.0094	0.0149
475553	3750938	0.00588	475553	3750938	0.0103	0.0162
476553	3750938	0.00645	476553	3750938	0.01151	0.0180
477553	3750938	0.00711	477553	3750938	0.01295	0.0201
478553	3750938	0.00802	478553	3750938	0.01491	0.0229
479553	3750938	0.0091	479553	3750938	0.01726	0.0264
480553	3750938	0.01067	480553	3750938	0.02054	0.0312
481553	3750938	0.01286	481553	3750938	0.0247	0.0376
482553	3750938	0.01706	482553	3750938	0.03137	0.0484
483553	3750938	0.02466	483553	3750938	0.04258	0.0672
484553	3750938	0.03239	484553	3750938	0.05608	0.0885
485553	3750938	0.04218	485553	3750938	0.04819	0.0904
486553	3750938	0.06254	486553	3750938	0.07319	0.1357
487553	3750938	0.12007	487553	3750938	0.15341	0.2735
488553	3750938	0.20593	488553	3750938	0.23476	0.4407
489553	3750938	0.24024	489553	3750938	0.25134	0.4916
490553	3750938	0.25359	490553	3750938	0.24833	0.5019
491553	3750938	0.24438	491553	3750938	0.21544	0.4598
492553	3750938	0.2433	492553	3750938	0.18368	0.4270
493553	3750938	0.22045	493553	3750938	0.1524	0.3729
494553	3750938	0.17607	494553	3750938	0.12056	0.2966
495553	3750938	0.1112	495553	3750938	0.08162	0.1928
496553	3750938	0.06899	496553	3750938	0.04941	0.1184
497553	3750938	0.0572	497553	3750938	0.0412	0.0984
498553	3750938	0.04687	498553	3750938	0.03299	0.0799
499553	3750938	0.03831	499553	3750938	0.02563	0.0639
500553	3750938	0.03309	500553	3750938	0.02232	0.0554
501553	3750938	0.02881	501553	3750938	0.01958	0.0484
502553	3750938	0.02536	502553	3750938	0.01736	0.0427
503553	3750938	0.02251	503553	3750938	0.0155	0.0380
504553	3750938	0.02031	504553	3750938	0.01411	0.0344
505553	3750938	0.01819	505553	3750938	0.01254	0.0307
461553	3751938	0.00247	461553	3751938	0.00414	0.0066
462553	3751938	0.00258	462553	3751938	0.00432	0.0069
463553	3751938	0.00271	463553	3751938	0.00454	0.0073
464553	3751938	0.0029	464553	3751938	0.00485	0.0078
465553	3751938	0.00312	465553	3751938	0.00523	0.0084
466553	3751938	0.00338	466553	3751938	0.00565	0.0090
467553	3751938	0.00364	467553	3751938	0.00609	0.0097
468553	3751938	0.00393	468553	3751938	0.00656	0.0105
469553	3751938	0.0042	469553	3751938	0.00704	0.0112
470553	3751938	0.00437	470553	3751938	0.0072	0.0116

471553	3751938	0.00463	471553	3751938	0.00723	0.0119
472553	3751938	0.0051	472553	3751938	0.00844	0.0135
473553	3751938	0.00559	473553	3751938	0.00942	0.0150
474553	3751938	0.00607	474553	3751938	0.01027	0.0163
475553	3751938	0.00668	475553	3751938	0.01136	0.0180
476553	3751938	0.00742	476553	3751938	0.01271	0.0201
477553	3751938	0.00833	477553	3751938	0.01443	0.0228
478553	3751938	0.00951	478553	3751938	0.0167	0.0262
479553	3751938	0.01099	479553	3751938	0.01963	0.0306
480553	3751938	0.01297	480553	3751938	0.02358	0.0366
481553	3751938	0.01573	481553	3751938	0.02913	0.0449
482553	3751938	0.01984	482553	3751938	0.03749	0.0573
483553	3751938	0.02646	483553	3751938	0.05081	0.0773
484553	3751938	0.0427	484553	3751938	0.07782	0.1205
485553	3751938	0.09984	485553	3751938	0.13898	0.2388
486553	3751938	0.1715	486553	3751938	0.14851	0.3200
487553	3751938	0.39682	487553	3751938	0.31708	0.7139
488553	3751938	0.66337	488553	3751938	0.47441	1.1378
489553	3751938	0.64416	489553	3751938	0.5097	1.1539
490553	3751938	0.60946	490553	3751938	0.50736	1.1168
491553	3751938	0.53366	491553	3751938	0.3729	0.9066
492553	3751938	0.36862	492553	3751938	0.24454	0.6132
493553	3751938	0.19542	493553	3751938	0.14064	0.3361
494553	3751938	0.1323	494553	3751938	0.09765	0.2300
495553	3751938	0.08675	495553	3751938	0.06633	0.1531
496553	3751938	0.05968	496553	3751938	0.04277	0.1025
497553	3751938	0.04849	497553	3751938	0.03459	0.0831
498553	3751938	0.04055	498553	3751938	0.02881	0.0694
499553	3751938	0.03398	499553	3751938	0.0235	0.0575
500553	3751938	0.02932	500553	3751938	0.02017	0.0495
501553	3751938	0.02587	501553	3751938	0.01796	0.0438
502553	3751938	0.02285	502553	3751938	0.01583	0.0387
503553	3751938	0.02045	503553	3751938	0.01419	0.0346
504553	3751938	0.01862	504553	3751938	0.01308	0.0317
505553	3751938	0.01699	505553	3751938	0.012	0.0290
461553	3752938	0.00243	461553	3752938	0.00422	0.0067
462553	3752938	0.00255	462553	3752938	0.00443	0.0070
463553	3752938	0.00271	463553	3752938	0.0047	0.0074
464553	3752938	0.00287	464553	3752938	0.00499	0.0079
465553	3752938	0.00309	465553	3752938	0.00538	0.0085
466553	3752938	0.00338	466553	3752938	0.00589	0.0093
467553	3752938	0.0037	467553	3752938	0.00645	0.0102
468553	3752938	0.00402	468553	3752938	0.00698	0.0110
469553	3752938	0.00431	469553	3752938	0.00735	0.0117
470553	3752938	0.00439	470553	3752938	0.00772	0.0121
471553	3752938	0.0049	471553	3752938	0.00844	0.0133
472553	3752938	0.00524	472553	3752938	0.00923	0.0145
473553	3752938	0.00566	473553	3752938	0.01001	0.0157
474553	3752938	0.00624	474553	3752938	0.01109	0.0173
475553	3752938	0.00693	475553	3752938	0.01239	0.0193
476553	3752938	0.00777	476553	3752938	0.01399	0.0218
477553	3752938	0.00882	477553	3752938	0.01601	0.0248

478553	3752938	0.01019	478553	3752938	0.01869	0.0289
479553	3752938	0.01187	479553	3752938	0.02205	0.0339
480553	3752938	0.01439	480553	3752938	0.02709	0.0415
481553	3752938	0.01796	481553	3752938	0.03428	0.0522
482553	3752938	0.02358	482553	3752938	0.04554	0.0691
483553	3752938	0.03342	483553	3752938	0.06487	0.0983
484553	3752938	0.0544	484553	3752938	0.10598	0.1604
485553	3752938	0.13588	485553	3752938	0.24787	0.3838
486553	3752938	2.52762	486553	3752938	0.71969	3.2473
487553	3752938	3.02737	487553	3752938	1.44358	4.4710
488553	3752938	3.07371	488553	3752938	6.0438	9.1175
489553	3752938	2.37006	489553	3752938	1.64899	4.0191
490553	3752938	2.17999	490553	3752938	1.455	3.6350
491553	3752938	0.48372	491553	3752938	0.35401	0.8377
492553	3752938	0.30178	492553	3752938	0.21002	0.5118
493553	3752938	0.14904	493553	3752938	0.11508	0.2641
494553	3752938	0.10216	494553	3752938	0.07989	0.1821
495553	3752938	0.06854	495553	3752938	0.0535	0.1220
496553	3752938	0.04895	496553	3752938	0.03469	0.0836
497553	3752938	0.04073	497553	3752938	0.02928	0.0700
498553	3752938	0.03419	498553	3752938	0.02434	0.0585
499553	3752938	0.02944	499553	3752938	0.02096	0.0504
500553	3752938	0.02562	500553	3752938	0.01812	0.0437
501553	3752938	0.02275	501553	3752938	0.01618	0.0389
502553	3752938	0.02031	502553	3752938	0.01444	0.0348
503553	3752938	0.01834	503553	3752938	0.01308	0.0314
504553	3752938	0.01669	504553	3752938	0.01192	0.0286
505553	3752938	0.01527	505553	3752938	0.01091	0.0262
461553	3753938	0.00239	461553	3753938	0.00429	0.0067
462553	3753938	0.00251	462553	3753938	0.0045	0.0070
463553	3753938	0.00264	463553	3753938	0.00475	0.0074
464553	3753938	0.00279	464553	3753938	0.00503	0.0078
465553	3753938	0.00302	465553	3753938	0.00546	0.0085
466553	3753938	0.00328	466553	3753938	0.00594	0.0092
467553	3753938	0.00354	467553	3753938	0.00641	0.0100
468553	3753938	0.00393	468553	3753938	0.0071	0.0110
469553	3753938	0.00429	469553	3753938	0.00758	0.0119
470553	3753938	0.00455	470553	3753938	0.00825	0.0128
471553	3753938	0.00473	471553	3753938	0.00867	0.0134
472553	3753938	0.0052	472553	3753938	0.00956	0.0148
473553	3753938	0.0057	473553	3753938	0.01052	0.0162
474553	3753938	0.00627	474553	3753938	0.01167	0.0179
475553	3753938	0.00703	475553	3753938	0.01317	0.0202
476553	3753938	0.00792	476553	3753938	0.01502	0.0229
477553	3753938	0.00901	477553	3753938	0.01732	0.0263
478553	3753938	0.01041	478553	3753938	0.02036	0.0308
479553	3753938	0.01223	479553	3753938	0.02435	0.0366
480553	3753938	0.01477	480553	3753938	0.03056	0.0453
481553	3753938	0.0183	481553	3753938	0.03956	0.0579
482553	3753938	0.02354	482553	3753938	0.05333	0.0769
483553	3753938	0.03061	483553	3753938	0.07342	0.1040
484553	3753938	0.04958	484553	3753938	0.12637	0.1760

485553	3753938	0.09262	485553	3753938	0.28824	0.3809
486553	3753938	0.18469	486553	3753938	0.91381	1.0985
487553	3753938	0.31471	487553	3753938	1.45116	1.7659
488553	3753938	1.25803	488553	3753938	1.10311	2.3611
489553	3753938	0.7579	489553	3753938	0.67649	1.4344
490553	3753938	0.30373	490553	3753938	0.32087	0.6246
491553	3753938	0.16322	491553	3753938	0.15891	0.3221
492553	3753938	0.12053	492553	3753938	0.1081	0.2286
493553	3753938	0.08456	493553	3753938	0.07041	0.1550
494553	3753938	0.06919	494553	3753938	0.05813	0.1273
495553	3753938	0.05239	495553	3753938	0.04143	0.0938
496553	3753938	0.04157	496553	3753938	0.03045	0.0720
497553	3753938	0.03507	497553	3753938	0.02538	0.0605
498553	3753938	0.03018	498553	3753938	0.02176	0.0519
499553	3753938	0.02634	499553	3753938	0.01888	0.0452
500553	3753938	0.02323	500553	3753938	0.01648	0.0397
501553	3753938	0.02073	501553	3753938	0.01459	0.0353
502553	3753938	0.01866	502553	3753938	0.01306	0.0317
503553	3753938	0.01695	503553	3753938	0.01183	0.0288
504553	3753938	0.0155	504553	3753938	0.0108	0.0263
505553	3753938	0.01427	505553	3753938	0.00995	0.0242
461553	3754938	0.00237	461553	3754938	0.00433	0.0067
462553	3754938	0.0025	462553	3754938	0.00455	0.0071
463553	3754938	0.00263	463553	3754938	0.00481	0.0074
464553	3754938	0.00279	464553	3754938	0.00511	0.0079
465553	3754938	0.00298	465553	3754938	0.00544	0.0084
466553	3754938	0.0033	466553	3754938	0.00604	0.0093
467553	3754938	0.00354	467553	3754938	0.00649	0.0100
468553	3754938	0.00386	468553	3754938	0.00705	0.0109
469553	3754938	0.0042	469553	3754938	0.00767	0.0119
470553	3754938	0.00454	470553	3754938	0.00833	0.0129
471553	3754938	0.00492	471553	3754938	0.00905	0.0140
472553	3754938	0.00532	472553	3754938	0.00984	0.0152
473553	3754938	0.00582	473553	3754938	0.01084	0.0167
474553	3754938	0.00643	474553	3754938	0.01207	0.0185
475553	3754938	0.00714	475553	3754938	0.0136	0.0207
476553	3754938	0.00788	476553	3754938	0.01549	0.0234
477553	3754938	0.00895	477553	3754938	0.01786	0.0268
478553	3754938	0.01029	478553	3754938	0.02093	0.0312
479553	3754938	0.012	479553	3754938	0.02506	0.0371
480553	3754938	0.01404	480553	3754938	0.0307	0.0447
481553	3754938	0.01762	481553	3754938	0.03932	0.0569
482553	3754938	0.02199	482553	3754938	0.05278	0.0748
483553	3754938	0.02945	483553	3754938	0.07581	0.1053
484553	3754938	0.03997	484553	3754938	0.12718	0.1672
485553	3754938	0.05911	485553	3754938	1.12681	1.1859
486553	3754938	0.09192	486553	3754938	1.25946	1.3514
487553	3754938	0.6683	487553	3754938	1.63825	2.3066
488553	3754938	0.42039	488553	3754938	1.23227	1.6527
489553	3754938	0.15718	489553	3754938	0.2496	0.4068
490553	3754938	0.11184	490553	3754938	0.14177	0.2536
491553	3754938	0.08701	491553	3754938	0.08873	0.1757

492553	3754938	0.06857	492553	3754938	0.06352	0.1321
493553	3754938	0.05804	493553	3754938	0.05082	0.1089
494553	3754938	0.04788	494553	3754938	0.03913	0.0870
495553	3754938	0.04013	495553	3754938	0.03109	0.0712
496553	3754938	0.03477	496553	3754938	0.02651	0.0613
497553	3754938	0.03026	497553	3754938	0.02269	0.0530
498553	3754938	0.02653	498553	3754938	0.01958	0.0461
499553	3754938	0.02337	499553	3754938	0.01695	0.0403
500553	3754938	0.02083	500553	3754938	0.01497	0.0358
501553	3754938	0.01866	501553	3754938	0.01326	0.0319
502553	3754938	0.01688	502553	3754938	0.01197	0.0289
503553	3754938	0.01537	503553	3754938	0.01091	0.0263
504553	3754938	0.01412	504553	3754938	0.01007	0.0242
505553	3754938	0.01306	505553	3754938	0.00934	0.0224
461553	3755938	0.00242	461553	3755938	0.00437	0.0068
462553	3755938	0.00255	462553	3755938	0.00459	0.0071
463553	3755938	0.00267	463553	3755938	0.00483	0.0075
464553	3755938	0.00282	464553	3755938	0.0051	0.0079
465553	3755938	0.003	465553	3755938	0.00542	0.0084
466553	3755938	0.00327	466553	3755938	0.00592	0.0092
467553	3755938	0.00351	467553	3755938	0.00636	0.0099
468553	3755938	0.00383	468553	3755938	0.00694	0.0108
469553	3755938	0.00394	469553	3755938	0.00718	0.0111
470553	3755938	0.00455	470553	3755938	0.00834	0.0129
471553	3755938	0.00501	471553	3755938	0.00919	0.0142
472553	3755938	0.00528	472553	3755938	0.00981	0.0151
473553	3755938	0.00586	473553	3755938	0.01088	0.0167
474553	3755938	0.00608	474553	3755938	0.0117	0.0178
475553	3755938	0.00675	475553	3755938	0.01302	0.0198
476553	3755938	0.00765	476553	3755938	0.01486	0.0225
477553	3755938	0.00863	477553	3755938	0.01707	0.0257
478553	3755938	0.00986	478553	3755938	0.0201	0.0300
479553	3755938	0.01111	479553	3755938	0.02374	0.0349
480553	3755938	0.01293	480553	3755938	0.02795	0.0409
481553	3755938	0.01575	481553	3755938	0.03388	0.0496
482553	3755938	0.02012	482553	3755938	0.04463	0.0648
483553	3755938	0.02415	483553	3755938	0.0581	0.0823
484553	3755938	0.0303	484553	3755938	0.08547	0.1158
485553	3755938	0.03997	485553	3755938	0.14012	0.1801
486553	3755938	0.05475	486553	3755938	0.21714	0.2719
487553	3755938	0.06828	487553	3755938	0.18285	0.2511
488553	3755938	0.07548	488553	3755938	0.14923	0.2247
489553	3755938	0.06887	489553	3755938	0.10111	0.1700
490553	3755938	0.05998	490553	3755938	0.07649	0.1365
491553	3755938	0.05231	491553	3755938	0.05772	0.1100
492553	3755938	0.04642	492553	3755938	0.04668	0.0931
493553	3755938	0.04028	493553	3755938	0.03826	0.0785
494553	3755938	0.03579	494553	3755938	0.03192	0.0677
495553	3755938	0.03216	495553	3755938	0.02712	0.0593
496553	3755938	0.02826	496553	3755938	0.02283	0.0511
497553	3755938	0.02521	497553	3755938	0.01969	0.0449
498553	3755938	0.02263	498553	3755938	0.0174	0.0400

499553	3755938	0.02048	499553	3755938	0.01555	0.0360
500553	3755938	0.01869	500553	3755938	0.014	0.0327
501553	3755938	0.01717	501553	3755938	0.01272	0.0299
502553	3755938	0.0158	502553	3755938	0.01157	0.0274
503553	3755938	0.01452	503553	3755938	0.01052	0.0250
504553	3755938	0.01337	504553	3755938	0.0096	0.0230
505553	3755938	0.01233	505553	3755938	0.0088	0.0211
461553	3756938	0.00246	461553	3756938	0.00439	0.0069
462553	3756938	0.00258	462553	3756938	0.0046	0.0072
463553	3756938	0.0027	463553	3756938	0.00483	0.0075
464553	3756938	0.00285	464553	3756938	0.0051	0.0080
465553	3756938	0.00302	465553	3756938	0.00542	0.0084
466553	3756938	0.00323	466553	3756938	0.00582	0.0091
467553	3756938	0.00341	467553	3756938	0.00617	0.0096
468553	3756938	0.00358	468553	3756938	0.00645	0.0100
469553	3756938	0.00384	469553	3756938	0.00702	0.0109
470553	3756938	0.00432	470553	3756938	0.00792	0.0122
471553	3756938	0.00488	471553	3756938	0.00898	0.0139
472553	3756938	0.00528	472553	3756938	0.00976	0.0150
473553	3756938	0.00552	473553	3756938	0.01007	0.0156
474553	3756938	0.00438	474553	3756938	0.00721	0.0116
475553	3756938	0.00606	475553	3756938	0.01172	0.0178
476553	3756938	0.0073	476553	3756938	0.01441	0.0217
477553	3756938	0.0084	477553	3756938	0.01666	0.0251
478553	3756938	0.00946	478553	3756938	0.01871	0.0282
479553	3756938	0.01021	479553	3756938	0.0194	0.0296
480553	3756938	0.01152	480553	3756938	0.02108	0.0326
481553	3756938	0.01248	481553	3756938	0.02173	0.0342
482553	3756938	0.01449	482553	3756938	0.02616	0.0407
483553	3756938	0.0201	483553	3756938	0.043	0.0631
484553	3756938	0.02317	484553	3756938	0.05255	0.0757
485553	3756938	0.02719	485553	3756938	0.06569	0.0929
486553	3756938	0.03182	486553	3756938	0.0779	0.1097
487553	3756938	0.03674	487553	3756938	0.07698	0.1137
488553	3756938	0.04077	488553	3756938	0.06707	0.1078
489553	3756938	0.04093	489553	3756938	0.06023	0.1012
490553	3756938	0.03895	490553	3756938	0.05246	0.0914
491553	3756938	0.03557	491553	3756938	0.04322	0.0788
492553	3756938	0.03241	492553	3756938	0.03517	0.0676
493553	3756938	0.03028	493553	3756938	0.03086	0.0611
494553	3756938	0.028	494553	3756938	0.02803	0.0560
495553	3756938	0.02506	495553	3756938	0.02334	0.0484
496553	3756938	0.02308	496553	3756938	0.01998	0.0431
497553	3756938	0.02112	497553	3756938	0.01751	0.0386
498553	3756938	0.0192	498553	3756938	0.01543	0.0346
499553	3756938	0.01759	499553	3756938	0.01366	0.0313
500553	3756938	0.01619	500553	3756938	0.01229	0.0285
501553	3756938	0.01491	501553	3756938	0.01121	0.0261
502553	3756938	0.01382	502553	3756938	0.01031	0.0241
503553	3756938	0.01293	503553	3756938	0.00958	0.0225
504553	3756938	0.01216	504553	3756938	0.00895	0.0211
505553	3756938	0.01149	505553	3756938	0.0084	0.0199

461553	3757938	0.00247	461553	3757938	0.0044	0.0069
462553	3757938	0.00257	462553	3757938	0.00459	0.0072
463553	3757938	0.00269	463553	3757938	0.00482	0.0075
464553	3757938	0.00287	464553	3757938	0.00514	0.0080
465553	3757938	0.00297	465553	3757938	0.00533	0.0083
466553	3757938	0.00311	466553	3757938	0.00558	0.0087
467553	3757938	0.00331	467553	3757938	0.00594	0.0093
468553	3757938	0.00357	468553	3757938	0.00639	0.0100
469553	3757938	0.00382	469553	3757938	0.00691	0.0107
470553	3757938	0.00426	470553	3757938	0.00773	0.0120
471553	3757938	0.00469	471553	3757938	0.00855	0.0132
472553	3757938	0.00497	472553	3757938	0.00915	0.0141
473553	3757938	0.00375	473553	3757938	0.0057	0.0095
474553	3757938	0.00415	474553	3757938	0.00635	0.0105
475553	3757938	0.00611	475553	3757938	0.01144	0.0176
476553	3757938	0.00745	476553	3757938	0.01375	0.0212
477553	3757938	0.00841	477553	3757938	0.01519	0.0236
478553	3757938	0.00906	478553	3757938	0.01588	0.0249
479553	3757938	0.00884	479553	3757938	0.01376	0.0226
480553	3757938	0.00955	480553	3757938	0.01417	0.0237
481553	3757938	0.01095	481553	3757938	0.01685	0.0278
482553	3757938	0.01364	482553	3757938	0.02354	0.0372
483553	3757938	0.015	483553	3757938	0.02603	0.0410
484553	3757938	0.01774	484553	3757938	0.0355	0.0532
485553	3757938	0.01964	485553	3757938	0.03799	0.0576
486553	3757938	0.02254	486553	3757938	0.04465	0.0672
487553	3757938	0.02592	487553	3757938	0.04723	0.0732
488553	3757938	0.02895	488553	3757938	0.04426	0.0732
489553	3757938	0.0296	489553	3757938	0.04101	0.0706
490553	3757938	0.02851	490553	3757938	0.03736	0.0659
491553	3757938	0.02645	491553	3757938	0.03406	0.0605
492553	3757938	0.02466	492553	3757938	0.02923	0.0539
493553	3757938	0.02379	493553	3757938	0.02813	0.0519
494553	3757938	0.0219	494553	3757938	0.0225	0.0444
495553	3757938	0.02048	495553	3757938	0.01999	0.0405
496553	3757938	0.01883	496553	3757938	0.01772	0.0366
497553	3757938	0.01752	497553	3757938	0.01552	0.0330
498553	3757938	0.01635	498553	3757938	0.01376	0.0301
499553	3757938	0.01521	499553	3757938	0.01238	0.0276
500553	3757938	0.01421	500553	3757938	0.01132	0.0255
501553	3757938	0.01335	501553	3757938	0.0104	0.0238
502553	3757938	0.01251	502553	3757938	0.00952	0.0220
503553	3757938	0.0117	503553	3757938	0.00882	0.0205
504553	3757938	0.01093	504553	3757938	0.0082	0.0191
505553	3757938	0.00979	505553	3757938	0.00744	0.0172
461553	3758938	0.00243	461553	3758938	0.00432	0.0068
462553	3758938	0.00254	462553	3758938	0.00452	0.0071
463553	3758938	0.00267	463553	3758938	0.00476	0.0074
464553	3758938	0.00281	464553	3758938	0.005	0.0078
465553	3758938	0.00295	465553	3758938	0.00525	0.0082
466553	3758938	0.00311	466553	3758938	0.00553	0.0086
467553	3758938	0.00329	467553	3758938	0.00588	0.0092

468553	3758938	0.0035	468553	3758938	0.00626	0.0098
469553	3758938	0.00374	469553	3758938	0.00672	0.0105
470553	3758938	0.00409	470553	3758938	0.00734	0.0114
471553	3758938	0.00456	471553	3758938	0.00818	0.0127
472553	3758938	0.00362	472553	3758938	0.00553	0.0092
473553	3758938	0.00384	473553	3758938	0.00558	0.0094
474553	3758938	0.00516	474553	3758938	0.00863	0.0138
475553	3758938	0.00664	475553	3758938	0.01132	0.0180
476553	3758938	0.0076	476553	3758938	0.01264	0.0202
477553	3758938	0.00833	477553	3758938	0.01354	0.0219
478553	3758938	0.00863	478553	3758938	0.01353	0.0222
479553	3758938	0.00804	479553	3758938	0.01105	0.0191
480553	3758938	0.00887	480553	3758938	0.01249	0.0214
481553	3758938	0.01035	481553	3758938	0.01571	0.0261
482553	3758938	0.01121	482553	3758938	0.01702	0.0282
483553	3758938	0.01222	483553	3758938	0.01942	0.0316
484553	3758938	0.01426	484553	3758938	0.02462	0.0389
485553	3758938	0.01647	485553	3758938	0.03033	0.0468
486553	3758938	0.01811	486553	3758938	0.0315	0.0496
487553	3758938	0.02134	487553	3758938	0.038	0.0593
488553	3758938	0.02249	488553	3758938	0.03384	0.0563
489553	3758938	0.0241	489553	3758938	0.0333	0.0574
490553	3758938	0.02488	490553	3758938	0.03454	0.0594
491553	3758938	0.02215	491553	3758938	0.02859	0.0507
492553	3758938	0.02148	492553	3758938	0.02892	0.0504
493553	3758938	0.01917	493553	3758938	0.02391	0.0431
494553	3758938	0.01763	494553	3758938	0.02074	0.0384
495553	3758938	0.01669	495553	3758938	0.01755	0.0342
496553	3758938	0.01621	496553	3758938	0.01622	0.0324
497553	3758938	0.01499	497553	3758938	0.01411	0.0291
498553	3758938	0.01388	498553	3758938	0.01253	0.0264
499553	3758938	0.01304	499553	3758938	0.01107	0.0241
500553	3758938	0.01236	500553	3758938	0.01008	0.0224
501553	3758938	0.01167	501553	3758938	0.00926	0.0209
502553	3758938	0.01103	502553	3758938	0.00861	0.0196
503553	3758938	0.01047	503553	3758938	0.00805	0.0185
504553	3758938	0.00949	504553	3758938	0.00729	0.0168
505553	3758938	0.00857	505553	3758938	0.00643	0.0150
461553	3759938	0.00243	461553	3759938	0.00428	0.0067
462553	3759938	0.00252	462553	3759938	0.00444	0.0070
463553	3759938	0.00275	463553	3759938	0.00487	0.0076
464553	3759938	0.00277	464553	3759938	0.00489	0.0077
465553	3759938	0.00291	465553	3759938	0.00516	0.0081
466553	3759938	0.00306	466553	3759938	0.00544	0.0085
467553	3759938	0.00324	467553	3759938	0.00575	0.0090
468553	3759938	0.00347	468553	3759938	0.00613	0.0096
469553	3759938	0.00375	469553	3759938	0.0066	0.0104
470553	3759938	0.00413	470553	3759938	0.00717	0.0113
471553	3759938	0.00458	471553	3759938	0.00784	0.0124
472553	3759938	0.00407	472553	3759938	0.00618	0.0103
473553	3759938	0.00408	473553	3759938	0.00544	0.0095
474553	3759938	0.00555	474553	3759938	0.0086	0.0142

475553	3759938	0.00685	475553	3759938	0.01066	0.0175
476553	3759938	0.00731	476553	3759938	0.01105	0.0184
477553	3759938	0.00635	477553	3759938	0.00808	0.0144
478553	3759938	0.00787	478553	3759938	0.01182	0.0197
479553	3759938	0.00761	479553	3759938	0.01042	0.0180
480553	3759938	0.00842	480553	3759938	0.01183	0.0203
481553	3759938	0.0089	481553	3759938	0.01235	0.0213
482553	3759938	0.00959	482553	3759938	0.01372	0.0233
483553	3759938	0.01082	483553	3759938	0.01637	0.0272
484553	3759938	0.01266	484553	3759938	0.023	0.0357
485553	3759938	0.01616	485553	3759938	0.03066	0.0468
486553	3759938	0.01963	486553	3759938	0.03772	0.0574
487553	3759938	0.02091	487553	3759938	0.03832	0.0592
488553	3759938	0.02351	488553	3759938	0.04158	0.0651
489553	3759938	0.02398	489553	3759938	0.03763	0.0616
490553	3759938	0.02123	490553	3759938	0.02914	0.0504
491553	3759938	0.01907	491553	3759938	0.02419	0.0433
492553	3759938	0.01722	492553	3759938	0.021	0.0382
493553	3759938	0.0157	493553	3759938	0.01911	0.0348
494553	3759938	0.01456	494553	3759938	0.01717	0.0317
495553	3759938	0.01358	495553	3759938	0.01543	0.0290
496553	3759938	0.01316	496553	3759938	0.01389	0.0271
497553	3759938	0.01281	497553	3759938	0.01256	0.0254
498553	3759938	0.01227	498553	3759938	0.01135	0.0236
499553	3759938	0.0115	499553	3759938	0.01038	0.0219
500553	3759938	0.01077	500553	3759938	0.00939	0.0202
501553	3759938	0.0102	501553	3759938	0.00846	0.0187
502553	3759938	0.00928	502553	3759938	0.00757	0.0169
503553	3759938	0.00872	503553	3759938	0.00693	0.0157
504553	3759938	0.00805	504553	3759938	0.00618	0.0142
505553	3759938	0.00747	505553	3759938	0.00567	0.0131
461553	3760938	0.0024	461553	3760938	0.00422	0.0066
462553	3760938	0.00249	462553	3760938	0.00439	0.0069
463553	3760938	0.00259	463553	3760938	0.00457	0.0072
464553	3760938	0.00276	464553	3760938	0.00487	0.0076
465553	3760938	0.00288	465553	3760938	0.00506	0.0079
466553	3760938	0.00304	466553	3760938	0.00532	0.0084
467553	3760938	0.00326	467553	3760938	0.00563	0.0089
468553	3760938	0.00352	468553	3760938	0.006	0.0095
469553	3760938	0.0039	469553	3760938	0.00648	0.0104
470553	3760938	0.00444	470553	3760938	0.00732	0.0118
471553	3760938	0.00514	471553	3760938	0.00826	0.0134
472553	3760938	0.00451	472553	3760938	0.00655	0.0111
473553	3760938	0.00483	473553	3760938	0.00678	0.0116
474553	3760938	0.00594	474553	3760938	0.00865	0.0146
475553	3760938	0.00596	475553	3760938	0.00818	0.0141
476553	3760938	0.0056	476553	3760938	0.00682	0.0124
477553	3760938	0.00604	477553	3760938	0.00758	0.0136
478553	3760938	0.00733	478553	3760938	0.01089	0.0182
479553	3760938	0.00817	479553	3760938	0.01243	0.0206
480553	3760938	0.00749	480553	3760938	0.00997	0.0175
481553	3760938	0.00797	481553	3760938	0.01083	0.0188

482553	3760938	0.00918	482553	3760938	0.01368	0.0229
483553	3760938	0.01024	483553	3760938	0.01682	0.0271
484553	3760938	0.01193	484553	3760938	0.02194	0.0339
485553	3760938	0.01624	485553	3760938	0.03025	0.0465
486553	3760938	0.01878	486553	3760938	0.03328	0.0521
487553	3760938	0.01924	487553	3760938	0.03254	0.0518
488553	3760938	0.01684	488553	3760938	0.02706	0.0439
489553	3760938	0.01638	489553	3760938	0.02217	0.0386
490553	3760938	0.01674	490553	3760938	0.02108	0.0378
491553	3760938	0.0158	491553	3760938	0.01876	0.0346
492553	3760938	0.01471	492553	3760938	0.01671	0.0314
493553	3760938	0.01377	493553	3760938	0.0157	0.0295
494553	3760938	0.01244	494553	3760938	0.01439	0.0268
495553	3760938	0.01171	495553	3760938	0.01338	0.0251
496553	3760938	0.01098	496553	3760938	0.01215	0.0231
497553	3760938	0.01071	497553	3760938	0.01129	0.0220
498553	3760938	0.01051	498553	3760938	0.01025	0.0208
499553	3760938	0.00939	499553	3760938	0.00886	0.0183
500553	3760938	0.00877	500553	3760938	0.008	0.0168
501553	3760938	0.00807	501553	3760938	0.00712	0.0152
502553	3760938	0.00785	502553	3760938	0.00682	0.0147
503553	3760938	0.00733	503553	3760938	0.00609	0.0134
504553	3760938	0.00704	504553	3760938	0.0056	0.0126
505553	3760938	0.00643	505553	3760938	0.00481	0.0112
461553	3761938	0.00239	461553	3761938	0.00421	0.0066
462553	3761938	0.00248	462553	3761938	0.00436	0.0068
463553	3761938	0.0026	463553	3761938	0.00453	0.0071
464553	3761938	0.00273	464553	3761938	0.00473	0.0075
465553	3761938	0.00291	465553	3761938	0.00497	0.0079
466553	3761938	0.0031	466553	3761938	0.00522	0.0083
467553	3761938	0.00335	467553	3761938	0.00551	0.0089
468553	3761938	0.00364	468553	3761938	0.00588	0.0095
469553	3761938	0.00402	469553	3761938	0.00632	0.0103
470553	3761938	0.00467	470553	3761938	0.00724	0.0119
471553	3761938	0.00474	471553	3761938	0.0069	0.0116
472553	3761938	0.005	472553	3761938	0.00709	0.0121
473553	3761938	0.00619	473553	3761938	0.009	0.0152
474553	3761938	0.00558	474553	3761938	0.00755	0.0131
475553	3761938	0.00508	475553	3761938	0.00619	0.0113
476553	3761938	0.00566	476553	3761938	0.00756	0.0132
477553	3761938	0.00665	477553	3761938	0.00975	0.0164
478553	3761938	0.00816	478553	3761938	0.01246	0.0206
479553	3761938	0.00718	479553	3761938	0.01037	0.0176
480553	3761938	0.00703	480553	3761938	0.00964	0.0167
481553	3761938	0.00912	481553	3761938	0.01475	0.0239
482553	3761938	0.00955	482553	3761938	0.0152	0.0248
483553	3761938	0.01136	483553	3761938	0.02088	0.0322
484553	3761938	0.01322	484553	3761938	0.02355	0.0368
485553	3761938	0.01442	485553	3761938	0.02559	0.0400
486553	3761938	0.0143	486553	3761938	0.02382	0.0381
487553	3761938	0.01463	487553	3761938	0.02251	0.0371
488553	3761938	0.01365	488553	3761938	0.01967	0.0333

489553	3761938	0.01405	489553	3761938	0.01915	0.0332
490553	3761938	0.01419	490553	3761938	0.01771	0.0319
491553	3761938	0.01403	491553	3761938	0.01642	0.0305
492553	3761938	0.0132	492553	3761938	0.01471	0.0279
493553	3761938	0.01209	493553	3761938	0.0131	0.0252
494553	3761938	0.0112	494553	3761938	0.01222	0.0234
495553	3761938	0.01025	495553	3761938	0.01135	0.0216
496553	3761938	0.00972	496553	3761938	0.01079	0.0205
497553	3761938	0.00919	497553	3761938	0.01015	0.0193
498553	3761938	0.00897	498553	3761938	0.00938	0.0184
499553	3761938	0.00795	499553	3761938	0.00814	0.0161
500553	3761938	0.00581	500553	3761938	0.00437	0.0102
501553	3761938	0.00716	501553	3761938	0.00634	0.0135
502553	3761938	0.00639	502553	3761938	0.00516	0.0116
503553	3761938	0.00637	503553	3761938	0.00541	0.0118
504553	3761938	0.00603	504553	3761938	0.005	0.0110
505553	3761938	0.00536	505553	3761938	0.00392	0.0093
461553	3762938	0.00244	461553	3762938	0.00423	0.0067
462553	3762938	0.00256	462553	3762938	0.00439	0.0070
463553	3762938	0.00269	463553	3762938	0.00455	0.0072
464553	3762938	0.00282	464553	3762938	0.00469	0.0075
465553	3762938	0.00301	465553	3762938	0.0049	0.0079
466553	3762938	0.00323	466553	3762938	0.00515	0.0084
467553	3762938	0.00347	467553	3762938	0.00542	0.0089
468553	3762938	0.00377	468553	3762938	0.00576	0.0095
469553	3762938	0.00413	469553	3762938	0.00616	0.0103
470553	3762938	0.00452	470553	3762938	0.00655	0.0111
471553	3762938	0.00496	471553	3762938	0.00713	0.0121
472553	3762938	0.00543	472553	3762938	0.00771	0.0131
473553	3762938	0.00591	473553	3762938	0.00837	0.0143
474553	3762938	0.00638	474553	3762938	0.00918	0.0156
475553	3762938	0.00651	475553	3762938	0.00948	0.0160
476553	3762938	0.0072	476553	3762938	0.0107	0.0179
477553	3762938	0.00742	477553	3762938	0.01107	0.0185
478553	3762938	0.00761	478553	3762938	0.01134	0.0190
479553	3762938	0.00666	479553	3762938	0.00953	0.0162
480553	3762938	0.00712	480553	3762938	0.01062	0.0177
481553	3762938	0.00955	481553	3762938	0.01528	0.0248
482553	3762938	0.00983	482553	3762938	0.01683	0.0267
483553	3762938	0.0107	483553	3762938	0.0185	0.0292
484553	3762938	0.01171	484553	3762938	0.02008	0.0318
485553	3762938	0.01216	485553	3762938	0.02124	0.0334
486553	3762938	0.01327	486553	3762938	0.02106	0.0343
487553	3762938	0.01281	487553	3762938	0.01867	0.0315
488553	3762938	0.01419	488553	3762938	0.02191	0.0361
489553	3762938	0.01411	489553	3762938	0.02136	0.0355
490553	3762938	0.01358	490553	3762938	0.01831	0.0319
491553	3762938	0.01306	491553	3762938	0.01579	0.0289
492553	3762938	0.01196	492553	3762938	0.01348	0.0254
493553	3762938	0.0112	493553	3762938	0.01209	0.0233
494553	3762938	0.01009	494553	3762938	0.01058	0.0207
495553	3762938	0.00941	495553	3762938	0.00999	0.0194

496553	3762938	0.00872	496553	3762938	0.00942	0.0181
497553	3762938	0.00828	497553	3762938	0.00888	0.0172
498553	3762938	0.00784	498553	3762938	0.00858	0.0164
499553	3762938	0.00691	499553	3762938	0.00745	0.0144
500553	3762938	0.0065	500553	3762938	0.00666	0.0132
501553	3762938	0.0063	501553	3762938	0.0059	0.0122
502553	3762938	0.00601	502553	3762938	0.00505	0.0111
503553	3762938	0.00549	503553	3762938	0.00413	0.0096
504553	3762938	0.00499	504553	3762938	0.00356	0.0086
505553	3762938	0.00435	505553	3762938	0.00305	0.0074
461553	3763938	0.00255	461553	3763938	0.00428	0.0068
462553	3763938	0.0029	462553	3763938	0.00478	0.0077
463553	3763938	0.00282	463553	3763938	0.00455	0.0074
464553	3763938	0.00298	464553	3763938	0.00471	0.0077
465553	3763938	0.00313	465553	3763938	0.00485	0.0080
466553	3763938	0.00334	466553	3763938	0.00507	0.0084
467553	3763938	0.00358	467553	3763938	0.00531	0.0089
468553	3763938	0.00387	468553	3763938	0.00562	0.0095
469553	3763938	0.0042	469553	3763938	0.00599	0.0102
470553	3763938	0.00458	470553	3763938	0.00641	0.0110
471553	3763938	0.00495	471553	3763938	0.00689	0.0118
472553	3763938	0.00558	472553	3763938	0.00779	0.0134
473553	3763938	0.00574	473553	3763938	0.00814	0.0139
474553	3763938	0.00596	474553	3763938	0.0086	0.0146
475553	3763938	0.00624	475553	3763938	0.00918	0.0154
476553	3763938	0.00657	476553	3763938	0.00972	0.0163
477553	3763938	0.00654	477553	3763938	0.00945	0.0160
478553	3763938	0.00601	478553	3763938	0.00841	0.0144
479553	3763938	0.00687	479553	3763938	0.0104	0.0173
480553	3763938	0.00837	480553	3763938	0.013	0.0214
481553	3763938	0.00862	481553	3763938	0.01396	0.0226
482553	3763938	0.0089	482553	3763938	0.01487	0.0238
483553	3763938	0.00958	483553	3763938	0.01614	0.0257
484553	3763938	0.01029	484553	3763938	0.01731	0.0276
485553	3763938	0.00944	485553	3763938	0.01493	0.0244
486553	3763938	0.00999	486553	3763938	0.01383	0.0238
487553	3763938	0.01036	487553	3763938	0.01345	0.0238
488553	3763938	0.01086	488553	3763938	0.01491	0.0258
489553	3763938	0.01103	489553	3763938	0.01545	0.0265
490553	3763938	0.01205	490553	3763938	0.0165	0.0286
491553	3763938	0.01144	491553	3763938	0.01396	0.0254
492553	3763938	0.01129	492553	3763938	0.01291	0.0242
493553	3763938	0.01029	493553	3763938	0.01126	0.0216
494553	3763938	0.00943	494553	3763938	0.00959	0.0190
495553	3763938	0.00861	495553	3763938	0.00883	0.0174
496553	3763938	0.00806	496553	3763938	0.0084	0.0165
497553	3763938	0.00755	497553	3763938	0.00798	0.0155
498553	3763938	0.00719	498553	3763938	0.00754	0.0147
499553	3763938	0.00632	499553	3763938	0.00705	0.0134
500553	3763938	0.00593	500553	3763938	0.00642	0.0124
501553	3763938	0.0054	501553	3763938	0.00544	0.0108
502553	3763938	0.00424	502553	3763938	0.00328	0.0075

503553	3763938	0.00408	503553	3763938	0.0029	0.0070
504553	3763938	0.00432	504553	3763938	0.00301	0.0073
505553	3763938	0.00344	505553	3763938	0.00222	0.0057
461553	3764938	0.00268	461553	3764938	0.00429	0.0070
462553	3764938	0.00294	462553	3764938	0.00463	0.0076
463553	3764938	0.00308	463553	3764938	0.00475	0.0078
464553	3764938	0.00313	464553	3764938	0.00473	0.0079
465553	3764938	0.00328	465553	3764938	0.00486	0.0081
466553	3764938	0.00345	466553	3764938	0.005	0.0085
467553	3764938	0.00367	467553	3764938	0.00522	0.0089
468553	3764938	0.00397	468553	3764938	0.00555	0.0095
469553	3764938	0.0042	469553	3764938	0.00579	0.0100
470553	3764938	0.0045	470553	3764938	0.00616	0.0107
471553	3764938	0.00487	471553	3764938	0.00664	0.0115
472553	3764938	0.00424	472553	3764938	0.00555	0.0098
473553	3764938	0.00561	473553	3764938	0.00802	0.0136
474553	3764938	0.00549	474553	3764938	0.00802	0.0135
475553	3764938	0.00607	475553	3764938	0.00893	0.0150
476553	3764938	0.00619	476553	3764938	0.00897	0.0152
477553	3764938	0.00621	477553	3764938	0.00884	0.0151
478553	3764938	0.00671	478553	3764938	0.00994	0.0167
479553	3764938	0.00736	479553	3764938	0.01112	0.0185
480553	3764938	0.00749	480553	3764938	0.01172	0.0192
481553	3764938	0.00754	481553	3764938	0.01217	0.0197
482553	3764938	0.00827	482553	3764938	0.01354	0.0218
483553	3764938	0.00888	483553	3764938	0.01456	0.0234
484553	3764938	0.00906	484553	3764938	0.01498	0.0240
485553	3764938	0.00942	485553	3764938	0.01469	0.0241
486553	3764938	0.01008	486553	3764938	0.01396	0.0240
487553	3764938	0.00995	487553	3764938	0.01308	0.0230
488553	3764938	0.00982	488553	3764938	0.01311	0.0229
489553	3764938	0.01003	489553	3764938	0.01396	0.0240
490553	3764938	0.0103	490553	3764938	0.01366	0.0240
491553	3764938	0.0106	491553	3764938	0.01322	0.0238
492553	3764938	0.01035	492553	3764938	0.01185	0.0222
493553	3764938	0.00945	493553	3764938	0.00992	0.0194
494553	3764938	0.00882	494553	3764938	0.00907	0.0179
495553	3764938	0.00798	495553	3764938	0.00802	0.0160
496553	3764938	0.00748	496553	3764938	0.00741	0.0149
497553	3764938	0.00699	497553	3764938	0.00708	0.0141
498553	3764938	0.00576	498553	3764938	0.00612	0.0119
499553	3764938	0.00521	499553	3764938	0.00541	0.0106
500553	3764938	0.00505	500553	3764938	0.00545	0.0105
501553	3764938	0.00361	501553	3764938	0.00309	0.0067
502553	3764938	0.00271	502553	3764938	0.00201	0.0047
503553	3764938	0.00269	503553	3764938	0.00183	0.0045
504553	3764938	0.00277	504553	3764938	0.00174	0.0045
505553	3764938	0.00233	505553	3764938	0.00131	0.0036
461553	3765938	0.0028	461553	3765938	0.00429	0.0071
462553	3765938	0.00314	462553	3765938	0.00472	0.0079
463553	3765938	0.00307	463553	3765938	0.00452	0.0076
464553	3765938	0.00321	464553	3765938	0.00465	0.0079

465553	3765938	0.00339	465553	3765938	0.00481	0.0082
466553	3765938	0.00352	466553	3765938	0.00491	0.0084
467553	3765938	0.00379	467553	3765938	0.00522	0.0090
468553	3765938	0.00431	468553	3765938	0.00588	0.0102
469553	3765938	0.00416	469553	3765938	0.00565	0.0098
470553	3765938	0.00438	470553	3765938	0.00599	0.0104
471553	3765938	0.00464	471553	3765938	0.0064	0.0110
472553	3765938	0.00513	472553	3765938	0.0073	0.0124
473553	3765938	0.00488	473553	3765938	0.00708	0.0120
474553	3765938	0.00525	474553	3765938	0.00769	0.0129
475553	3765938	0.00574	475553	3765938	0.00836	0.0141
476553	3765938	0.00612	476553	3765938	0.00888	0.0150
477553	3765938	0.00626	477553	3765938	0.00917	0.0154
478553	3765938	0.00654	478553	3765938	0.00967	0.0162
479553	3765938	0.00667	479553	3765938	0.01015	0.0168
480553	3765938	0.0066	480553	3765938	0.01036	0.0170
481553	3765938	0.00728	481553	3765938	0.01163	0.0189
482553	3765938	0.0077	482553	3765938	0.01243	0.0201
483553	3765938	0.00834	483553	3765938	0.01336	0.0217
484553	3765938	0.00862	484553	3765938	0.01392	0.0225
485553	3765938	0.0093	485553	3765938	0.01419	0.0235
486553	3765938	0.00991	486553	3765938	0.01354	0.0235
487553	3765938	0.0096	487553	3765938	0.01268	0.0223
488553	3765938	0.00891	488553	3765938	0.01171	0.0206
489553	3765938	0.00864	489553	3765938	0.01115	0.0198
490553	3765938	0.00904	490553	3765938	0.01171	0.0208
491553	3765938	0.00949	491553	3765938	0.01197	0.0215
492553	3765938	0.00932	492553	3765938	0.01055	0.0199
493553	3765938	0.00895	493553	3765938	0.00941	0.0184
494553	3765938	0.00819	494553	3765938	0.00847	0.0167
495553	3765938	0.00763	495553	3765938	0.0074	0.0150
496553	3765938	0.0069	496553	3765938	0.00683	0.0137
497553	3765938	0.00658	497553	3765938	0.00627	0.0129
498553	3765938	0.00503	498553	3765938	0.00513	0.0102
499553	3765938	0.00354	499553	3765938	0.00286	0.0064
500553	3765938	0.00383	500553	3765938	0.00335	0.0072
501553	3765938	0.00316	501553	3765938	0.00264	0.0058
502553	3765938	0.00184	502553	3765938	0.00115	0.0030
503553	3765938	0.00165	503553	3765938	0.00098	0.0026
504553	3765938	0.00166	504553	3765938	0.00096	0.0026
505553	3765938	0.002	505553	3765938	0.00116	0.0032
461553	3766938	0.0029	461553	3766938	0.00426	0.0072
462553	3766938	0.00298	462553	3766938	0.00431	0.0073
463553	3766938	0.00312	463553	3766938	0.00443	0.0076
464553	3766938	0.00328	464553	3766938	0.00458	0.0079
465553	3766938	0.00342	465553	3766938	0.0047	0.0081
466553	3766938	0.00356	466553	3766938	0.00483	0.0084
467553	3766938	0.00371	467553	3766938	0.00501	0.0087
468553	3766938	0.00423	468553	3766938	0.00573	0.0100
469553	3766938	0.00399	469553	3766938	0.00545	0.0094
470553	3766938	0.00415	470553	3766938	0.00576	0.0099
471553	3766938	0.00435	471553	3766938	0.00614	0.0105

472553	3766938	0.00447	472553	3766938	0.00642	0.0109
473553	3766938	0.00456	473553	3766938	0.00663	0.0112
474553	3766938	0.00494	474553	3766938	0.00715	0.0121
475553	3766938	0.00527	475553	3766938	0.00758	0.0129
476553	3766938	0.00534	476553	3766938	0.00771	0.0131
477553	3766938	0.0056	477553	3766938	0.00813	0.0137
478553	3766938	0.00577	478553	3766938	0.00857	0.0143
479553	3766938	0.00587	479553	3766938	0.009	0.0149
480553	3766938	0.00629	480553	3766938	0.00982	0.0161
481553	3766938	0.00659	481553	3766938	0.01041	0.0170
482553	3766938	0.007	482553	3766938	0.01117	0.0182
483553	3766938	0.00757	483553	3766938	0.01202	0.0196
484553	3766938	0.00833	484553	3766938	0.01278	0.0211
485553	3766938	0.00924	485553	3766938	0.01322	0.0225
486553	3766938	0.00947	486553	3766938	0.01277	0.0222
487553	3766938	0.00953	487553	3766938	0.0125	0.0220
488553	3766938	0.00853	488553	3766938	0.0113	0.0198
489553	3766938	0.00815	489553	3766938	0.01058	0.0187
490553	3766938	0.00771	490553	3766938	0.00925	0.0170
491553	3766938	0.00798	491553	3766938	0.00939	0.0174
492553	3766938	0.00807	492553	3766938	0.00855	0.0166
493553	3766938	0.008	493553	3766938	0.00818	0.0162
494553	3766938	0.00777	494553	3766938	0.0079	0.0157
495553	3766938	0.00722	495553	3766938	0.00717	0.0144
496553	3766938	0.00664	496553	3766938	0.00635	0.0130
497553	3766938	0.00612	497553	3766938	0.00577	0.0119
498553	3766938	0.00491	498553	3766938	0.00496	0.0099
499553	3766938	0.00428	499553	3766938	0.00408	0.0084
500553	3766938	0.004	500553	3766938	0.00364	0.0076
501553	3766938	0.00293	501553	3766938	0.00232	0.0053
502553	3766938	0.00142	502553	3766938	0.00084	0.0023
503553	3766938	0.00145	503553	3766938	0.00085	0.0023
504553	3766938	0.00146	504553	3766938	0.00085	0.0023
505553	3766938	0.00148	505553	3766938	0.00085	0.0023
461553	3767938	0.00292	461553	3767938	0.00415	0.0071
462553	3767938	0.00306	462553	3767938	0.00427	0.0073
463553	3767938	0.0032	463553	3767938	0.0044	0.0076
464553	3767938	0.00334	464553	3767938	0.00453	0.0079
465553	3767938	0.00347	465553	3767938	0.00467	0.0081
466553	3767938	0.00355	466553	3767938	0.00476	0.0083
467553	3767938	0.00366	467553	3767938	0.00493	0.0086
468553	3767938	0.00373	468553	3767938	0.00509	0.0088
469553	3767938	0.00382	469553	3767938	0.0053	0.0091
470553	3767938	0.00388	470553	3767938	0.00551	0.0094
471553	3767938	0.00398	471553	3767938	0.00572	0.0097
472553	3767938	0.00416	472553	3767938	0.00598	0.0101
473553	3767938	0.00432	473553	3767938	0.00621	0.0105
474553	3767938	0.00454	474553	3767938	0.00647	0.0110
475553	3767938	0.00478	475553	3767938	0.0068	0.0116
476553	3767938	0.00498	476553	3767938	0.00713	0.0121
477553	3767938	0.00515	477553	3767938	0.00751	0.0127
478553	3767938	0.00528	478553	3767938	0.00794	0.0132

479553	3767938	0.0055	479553	3767938	0.00844	0.0139
480553	3767938	0.00579	480553	3767938	0.00895	0.0147
481553	3767938	0.00609	481553	3767938	0.00955	0.0156
482553	3767938	0.00643	482553	3767938	0.01016	0.0166
483553	3767938	0.00692	483553	3767938	0.01082	0.0177
484553	3767938	0.00764	484553	3767938	0.01148	0.0191
485553	3767938	0.00853	485553	3767938	0.01211	0.0206
486553	3767938	0.00905	486553	3767938	0.01234	0.0214
487553	3767938	0.00919	487553	3767938	0.01216	0.0214
488553	3767938	0.00894	488553	3767938	0.01195	0.0209
489553	3767938	0.00825	489553	3767938	0.01108	0.0193
490553	3767938	0.00739	490553	3767938	0.00949	0.0169
491553	3767938	0.00724	491553	3767938	0.00846	0.0157
492553	3767938	0.00728	492553	3767938	0.00757	0.0149
493553	3767938	0.00557	493553	3767938	0.00616	0.0117
494553	3767938	0.00712	494553	3767938	0.00649	0.0136
495553	3767938	0.00682	495553	3767938	0.0067	0.0135
496553	3767938	0.00636	496553	3767938	0.00607	0.0124
497553	3767938	0.00585	497553	3767938	0.00545	0.0113
498553	3767938	0.00459	498553	3767938	0.00461	0.0092
499553	3767938	0.00425	499553	3767938	0.00422	0.0085
500553	3767938	0.00381	500553	3767938	0.00354	0.0074
501553	3767938	0.00298	501553	3767938	0.00234	0.0053
502553	3767938	0.00229	502553	3767938	0.00172	0.0040
503553	3767938	0.00191	503553	3767938	0.00128	0.0032
504553	3767938	0.0015	504553	3767938	0.00093	0.0024
505553	3767938	0.0012	505553	3767938	0.00067	0.0019
484551.7	3750934	0.03214	484551.7	3750934	0.05577	0.0879
484651.7	3750934	0.03403	484651.7	3750934	0.05824	0.0923
484751.7	3750934	0.02669	484751.7	3750934	0.04941	0.0761
484851.7	3750934	0.02644	484851.7	3750934	0.04774	0.0742
484951.7	3750934	0.02836	484951.7	3750934	0.04945	0.0778
485051.7	3750934	0.02988	485051.7	3750934	0.04897	0.0789
485151.7	3750934	0.03122	485151.7	3750934	0.04534	0.0766
485251.7	3750934	0.0339	485251.7	3750934	0.04445	0.0784
485351.7	3750934	0.03705	485351.7	3750934	0.04531	0.0824
485451.7	3750934	0.03987	485451.7	3750934	0.04649	0.0864
484551.7	3751034	0.03645	484551.7	3751034	0.06115	0.0976
484651.7	3751034	0.0376	484651.7	3751034	0.06278	0.1004
484751.7	3751034	0.0342	484751.7	3751034	0.05968	0.0939
484851.7	3751034	0.02802	484851.7	3751034	0.05165	0.0797
484951.7	3751034	0.03205	484951.7	3751034	0.05698	0.0890
485051.7	3751034	0.03194	485051.7	3751034	0.05498	0.0869
485151.7	3751034	0.03223	485151.7	3751034	0.05032	0.0826
485251.7	3751034	0.03442	485251.7	3751034	0.04714	0.0816
485351.7	3751034	0.03788	485351.7	3751034	0.0476	0.0855
485451.7	3751034	0.04123	485451.7	3751034	0.04852	0.0898
484551.7	3751134	0.03755	484551.7	3751134	0.06279	0.1003
484651.7	3751134	0.03958	484651.7	3751134	0.06539	0.1050
484751.7	3751134	0.04085	484751.7	3751134	0.06753	0.1084
484851.7	3751134	0.03556	484851.7	3751134	0.06252	0.0981
484951.7	3751134	0.03569	484951.7	3751134	0.06271	0.0984

485051.7	3751134	0.03436	485051.7	3751134	0.06033	0.0947
485151.7	3751134	0.03436	485151.7	3751134	0.05755	0.0919
485251.7	3751134	0.03501	485251.7	3751134	0.05088	0.0859
485351.7	3751134	0.03855	485351.7	3751134	0.05032	0.0889
485451.7	3751134	0.04235	485451.7	3751134	0.05059	0.0929
484551.7	3751234	0.03889	484551.7	3751234	0.06516	0.1041
484651.7	3751234	0.04044	484651.7	3751234	0.06729	0.1077
484751.7	3751234	0.04154	484751.7	3751234	0.06934	0.1109
484851.7	3751234	0.04258	484851.7	3751234	0.07095	0.1135
484951.7	3751234	0.04259	484951.7	3751234	0.07135	0.1139
485051.7	3751234	0.0386	485051.7	3751234	0.06709	0.1057
485151.7	3751234	0.03476	485151.7	3751234	0.06004	0.0948
485251.7	3751234	0.03478	485251.7	3751234	0.05172	0.0865
485351.7	3751234	0.03846	485351.7	3751234	0.05093	0.0894
485451.7	3751234	0.04299	485451.7	3751234	0.05226	0.0953
484551.7	3751334	0.03983	484551.7	3751334	0.06712	0.1070
484651.7	3751334	0.04179	484651.7	3751334	0.06973	0.1115
484751.7	3751334	0.04371	484751.7	3751334	0.07224	0.1160
484851.7	3751334	0.04481	484851.7	3751334	0.07434	0.1192
484951.7	3751334	0.04765	484951.7	3751334	0.07767	0.1253
485051.7	3751334	0.04578	485051.7	3751334	0.0762	0.1220
485151.7	3751334	0.03821	485151.7	3751334	0.06742	0.1056
485251.7	3751334	0.03537	485251.7	3751334	0.05615	0.0915
485351.7	3751334	0.0386	485351.7	3751334	0.05344	0.0920
485451.7	3751334	0.04333	485451.7	3751334	0.0542	0.0975
484551.7	3751434	0.04071	484551.7	3751434	0.0691	0.1098
484651.7	3751434	0.04268	484651.7	3751434	0.07162	0.1143
484751.7	3751434	0.04476	484751.7	3751434	0.07432	0.1191
484851.7	3751434	0.04713	484851.7	3751434	0.0774	0.1245
484951.7	3751434	0.05007	484951.7	3751434	0.0809	0.1310
485051.7	3751434	0.04986	485051.7	3751434	0.08176	0.1316
485151.7	3751434	0.04481	485151.7	3751434	0.07681	0.1216
485251.7	3751434	0.03966	485251.7	3751434	0.0691	0.1088
485351.7	3751434	0.03947	485351.7	3751434	0.05966	0.0991
485451.7	3751434	0.04393	485451.7	3751434	0.05787	0.1018
484551.7	3751534	0.04169	484551.7	3751534	0.07093	0.1126
484651.7	3751534	0.04426	484651.7	3751534	0.07427	0.1185
484751.7	3751534	0.04609	484751.7	3751534	0.07698	0.1231
484851.7	3751534	0.04908	484851.7	3751534	0.08086	0.1299
484951.7	3751534	0.05215	484951.7	3751534	0.08453	0.1367
485051.7	3751534	0.05646	485051.7	3751534	0.08951	0.1460
485151.7	3751534	0.05834	485151.7	3751534	0.09195	0.1503
485251.7	3751534	0.05228	485251.7	3751534	0.08598	0.1383
485351.7	3751534	0.04497	485351.7	3751534	0.07622	0.1212
485451.7	3751534	0.04543	485451.7	3751534	0.06675	0.1122
484551.7	3751634	0.04205	484551.7	3751634	0.07263	0.1147
484651.7	3751634	0.04486	484651.7	3751634	0.07616	0.1210
484751.7	3751634	0.04776	484751.7	3751634	0.08002	0.1278
484851.7	3751634	0.05108	484851.7	3751634	0.08418	0.1353
484951.7	3751634	0.05408	484951.7	3751634	0.08844	0.1425
485051.7	3751634	0.05929	485051.7	3751634	0.0937	0.1530
485151.7	3751634	0.06296	485151.7	3751634	0.0982	0.1612

485251.7	3751634	0.06641	485251.7	3751634	0.10097	0.1674
485351.7	3751634	0.06438	485351.7	3751634	0.09921	0.1636
485451.7	3751634	0.05636	485451.7	3751634	0.09028	0.1466
484551.7	3751734	0.04222	484551.7	3751734	0.07442	0.1166
484651.7	3751734	0.04495	484651.7	3751734	0.07809	0.1230
484751.7	3751734	0.04837	484751.7	3751734	0.0822	0.1306
484851.7	3751734	0.0518	484851.7	3751734	0.08661	0.1384
484951.7	3751734	0.05553	484951.7	3751734	0.09142	0.1470
485051.7	3751734	0.06022	485051.7	3751734	0.09675	0.1570
485151.7	3751734	0.06483	485151.7	3751734	0.10226	0.1671
485251.7	3751734	0.07059	485251.7	3751734	0.10797	0.1786
485351.7	3751734	0.07515	485351.7	3751734	0.11127	0.1864
485451.7	3751734	0.07569	485451.7	3751734	0.1111	0.1868
484551.7	3751834	0.04214	484551.7	3751834	0.07566	0.1178
484651.7	3751834	0.04507	484651.7	3751834	0.07982	0.1249
484751.7	3751834	0.04822	484751.7	3751834	0.08418	0.1324
484851.7	3751834	0.05196	484851.7	3751834	0.08902	0.1410
484951.7	3751834	0.05557	484951.7	3751834	0.09378	0.1494
485051.7	3751834	0.06079	485051.7	3751834	0.09977	0.1606
485151.7	3751834	0.06688	485151.7	3751834	0.10617	0.1731
485251.7	3751834	0.07242	485251.7	3751834	0.11242	0.1848
485351.7	3751834	0.07909	485351.7	3751834	0.11818	0.1973
485451.7	3751834	0.08357	485451.7	3751834	0.12185	0.2054
484551.7	3751934	0.04264	484551.7	3751934	0.07769	0.1203
484651.7	3751934	0.04551	484651.7	3751934	0.08188	0.1274
484751.7	3751934	0.04878	484751.7	3751934	0.08653	0.1353
484851.7	3751934	0.05216	484851.7	3751934	0.09119	0.1434
484951.7	3751934	0.05622	484951.7	3751934	0.0966	0.1528
485051.7	3751934	0.06131	485051.7	3751934	0.103	0.1643
485151.7	3751934	0.06766	485151.7	3751934	0.10999	0.1777
485251.7	3751934	0.07489	485251.7	3751934	0.11764	0.1925
485351.7	3751934	0.08262	485351.7	3751934	0.12574	0.2084
485451.7	3751934	0.092	485451.7	3751934	0.1336	0.2256
484551.7	3752034	0.0437	484551.7	3752034	0.08054	0.1242
484651.7	3752034	0.04658	484651.7	3752034	0.08487	0.1315
484751.7	3752034	0.04918	484751.7	3752034	0.08868	0.1379
484851.7	3752034	0.05295	484851.7	3752034	0.09404	0.1470
484951.7	3752034	0.05756	484951.7	3752034	0.10035	0.1579
485051.7	3752034	0.06181	485051.7	3752034	0.10597	0.1678
485151.7	3752034	0.06806	485151.7	3752034	0.1138	0.1819
485251.7	3752034	0.07585	485251.7	3752034	0.12238	0.1982
485351.7	3752034	0.08561	485351.7	3752034	0.13193	0.2175
485451.7	3752034	0.09475	485451.7	3752034	0.14127	0.2360
484551.7	3752134	0.04407	484551.7	3752134	0.0822	0.1263
484651.7	3752134	0.04721	484651.7	3752134	0.08712	0.1343
484751.7	3752134	0.05044	484751.7	3752134	0.09203	0.1425
484851.7	3752134	0.05417	484851.7	3752134	0.0975	0.1517
484951.7	3752134	0.0585	484951.7	3752134	0.10365	0.1622
485051.7	3752134	0.06319	485051.7	3752134	0.1101	0.1733
485151.7	3752134	0.06923	485151.7	3752134	0.11799	0.1872
485251.7	3752134	0.07733	485251.7	3752134	0.12763	0.2050
485351.7	3752134	0.08731	485351.7	3752134	0.13828	0.2256

485451.7	3752134	0.0994	485451.7	3752134	0.15091	0.2503
484551.7	3752234	0.04512	484551.7	3752234	0.08473	0.1299
484651.7	3752234	0.04806	484651.7	3752234	0.08953	0.1376
484751.7	3752234	0.0518	484751.7	3752234	0.09543	0.1472
484851.7	3752234	0.05523	484851.7	3752234	0.10066	0.1559
484951.7	3752234	0.05944	484951.7	3752234	0.10687	0.1663
485051.7	3752234	0.06335	485051.7	3752234	0.11236	0.1757
485151.7	3752234	0.07108	485151.7	3752234	0.12298	0.1941
485251.7	3752234	0.07795	485251.7	3752234	0.13204	0.2100
485351.7	3752234	0.08806	485351.7	3752234	0.14464	0.2327
485451.7	3752234	0.10195	485451.7	3752234	0.15968	0.2616
484551.7	3752334	0.04657	484551.7	3752334	0.08774	0.1343
484651.7	3752334	0.04972	484651.7	3752334	0.09308	0.1428
484751.7	3752334	0.05299	484751.7	3752334	0.09846	0.1515
484851.7	3752334	0.05658	484851.7	3752334	0.10418	0.1608
484951.7	3752334	0.06122	484951.7	3752334	0.11126	0.1725
485051.7	3752334	0.06634	485051.7	3752334	0.11872	0.1851
485151.7	3752334	0.07311	485151.7	3752334	0.12821	0.2013
485251.7	3752334	0.08063	485251.7	3752334	0.13852	0.2192
485351.7	3752334	0.091	485351.7	3752334	0.15203	0.2430
485451.7	3752334	0.10373	485451.7	3752334	0.16813	0.2719
484551.7	3752434	0.04807	484551.7	3752434	0.09068	0.1388
484651.7	3752434	0.05143	484651.7	3752434	0.09646	0.1479
484751.7	3752434	0.05467	484751.7	3752434	0.10207	0.1567
484851.7	3752434	0.05864	484851.7	3752434	0.10861	0.1673
484951.7	3752434	0.06298	484951.7	3752434	0.11553	0.1785
485051.7	3752434	0.06773	485051.7	3752434	0.12265	0.1904
485151.7	3752434	0.07552	485151.7	3752434	0.13398	0.2095
485251.7	3752434	0.08258	485251.7	3752434	0.14405	0.2266
485351.7	3752434	0.09397	485351.7	3752434	0.15947	0.2534
485451.7	3752434	0.10793	485451.7	3752434	0.17778	0.2857
484551.7	3752534	0.04979	484551.7	3752534	0.09395	0.1437
484651.7	3752534	0.05274	484651.7	3752534	0.0993	0.1520
484751.7	3752534	0.05573	484751.7	3752534	0.10464	0.1604
484851.7	3752534	0.06036	484851.7	3752534	0.11246	0.1728
484951.7	3752534	0.06484	484951.7	3752534	0.1198	0.1846
485051.7	3752534	0.07059	485051.7	3752534	0.12882	0.1994
485151.7	3752534	0.07777	485151.7	3752534	0.13963	0.2174
485251.7	3752534	0.08556	485251.7	3752534	0.15116	0.2367
485351.7	3752534	0.0966	485351.7	3752534	0.16656	0.2632
485451.7	3752534	0.11116	485451.7	3752534	0.18636	0.2975
484551.7	3752634	0.05145	484551.7	3752634	0.09722	0.1487
484651.7	3752634	0.05438	484651.7	3752634	0.10266	0.1570
484751.7	3752634	0.05827	484751.7	3752634	0.10955	0.1678
484851.7	3752634	0.06234	484851.7	3752634	0.11671	0.1791
484951.7	3752634	0.067	484951.7	3752634	0.12458	0.1916
485051.7	3752634	0.07377	485051.7	3752634	0.13508	0.2089
485151.7	3752634	0.08073	485151.7	3752634	0.14612	0.2269
485251.7	3752634	0.08891	485251.7	3752634	0.15883	0.2477
485351.7	3752634	0.0993	485351.7	3752634	0.17395	0.2733
485451.7	3752634	0.11456	485451.7	3752634	0.19536	0.3099
484551.7	3752734	0.05261	484551.7	3752734	0.10003	0.1526

484651.7	3752734	0.05604	484651.7	3752734	0.10635	0.1624
484751.7	3752734	0.05954	484751.7	3752734	0.11278	0.1723
484851.7	3752734	0.06384	484851.7	3752734	0.12047	0.1843
484951.7	3752734	0.06886	484951.7	3752734	0.12912	0.1980
485051.7	3752734	0.07523	485051.7	3752734	0.13971	0.2149
485151.7	3752734	0.08175	485151.7	3752734	0.15049	0.2322
485251.7	3752734	0.09089	485251.7	3752734	0.16492	0.2558
485351.7	3752734	0.10183	485351.7	3752734	0.18145	0.2833
485451.7	3752734	0.11654	485451.7	3752734	0.2032	0.3197
484551.7	3752834	0.05376	484551.7	3752834	0.10325	0.1570
484651.7	3752834	0.05709	484651.7	3752834	0.10949	0.1666
484751.7	3752834	0.06105	484751.7	3752834	0.11685	0.1779
484851.7	3752834	0.06546	484851.7	3752834	0.12488	0.1903
484951.7	3752834	0.07065	484951.7	3752834	0.134	0.2047
485051.7	3752834	0.0766	485051.7	3752834	0.14434	0.2209
485151.7	3752834	0.08391	485151.7	3752834	0.1567	0.2406
485251.7	3752834	0.0933	485251.7	3752834	0.17199	0.2653
485351.7	3752834	0.10363	485351.7	3752834	0.1885	0.2921
485451.7	3752834	0.11828	485451.7	3752834	0.21122	0.3295
484551.7	3752934	0.05434	484551.7	3752934	0.10581	0.1602
484651.7	3752934	0.05786	484651.7	3752934	0.11255	0.1704
484751.7	3752934	0.06202	484751.7	3752934	0.12058	0.1826
484851.7	3752934	0.06638	484851.7	3752934	0.12854	0.1949
484951.7	3752934	0.07186	484951.7	3752934	0.13868	0.2105
485051.7	3752934	0.07793	485051.7	3752934	0.14944	0.2274
485151.7	3752934	0.0853	485151.7	3752934	0.16239	0.2477
485251.7	3752934	0.09416	485251.7	3752934	0.17755	0.2717
485351.7	3752934	0.10471	485351.7	3752934	0.19506	0.2998
485451.7	3752934	0.11755	485451.7	3752934	0.21626	0.3338
484551.7	3753034	0.05505	484551.7	3753034	0.10982	0.1649
484651.7	3753034	0.05858	484651.7	3753034	0.11658	0.1752
484751.7	3753034	0.06266	484751.7	3753034	0.12473	0.1874
484851.7	3753034	0.06721	484851.7	3753034	0.13323	0.2004
484951.7	3753034	0.07256	484951.7	3753034	0.14348	0.2160
485051.7	3753034	0.07865	485051.7	3753034	0.15471	0.2334
485151.7	3753034	0.08597	485151.7	3753034	0.16822	0.2542
485251.7	3753034	0.09443	485251.7	3753034	0.18306	0.2775
485351.7	3753034	0.10487	485351.7	3753034	0.20111	0.3060
485451.7	3753034	0.11786	485451.7	3753034	0.22063	0.3385
484551.7	3753134	0.05535	484551.7	3753134	0.11317	0.1685
484651.7	3753134	0.0589	484651.7	3753134	0.12034	0.1792
484751.7	3753134	0.06286	484751.7	3753134	0.12802	0.1909
484851.7	3753134	0.06737	484851.7	3753134	0.13672	0.2041
484951.7	3753134	0.07267	484951.7	3753134	0.14785	0.2205
485051.7	3753134	0.07866	485051.7	3753134	0.1597	0.2384
485151.7	3753134	0.08565	485151.7	3753134	0.17372	0.2594
485251.7	3753134	0.09389	485251.7	3753134	0.18836	0.2823
485351.7	3753134	0.10365	485351.7	3753134	0.20559	0.3092
485451.7	3753134	0.11579	485451.7	3753134	0.22002	0.3358
484551.7	3753234	0.05526	484551.7	3753234	0.11564	0.1709
484651.7	3753234	0.05878	484651.7	3753234	0.123	0.1818
484751.7	3753234	0.06274	484751.7	3753234	0.13157	0.1943

484851.7	3753234	0.06719	484851.7	3753234	0.14129	0.2085
484951.7	3753234	0.07223	484951.7	3753234	0.15176	0.2240
485051.7	3753234	0.07811	485051.7	3753234	0.16365	0.2418
485151.7	3753234	0.08463	485151.7	3753234	0.17801	0.2626
485251.7	3753234	0.09265	485251.7	3753234	0.1936	0.2863
485351.7	3753234	0.10164	485351.7	3753234	0.21182	0.3135
485451.7	3753234	0.11313	485451.7	3753234	0.22399	0.3371
484551.7	3753334	0.05496	484551.7	3753334	0.11834	0.1733
484651.7	3753334	0.05842	484651.7	3753334	0.12616	0.1846
484751.7	3753334	0.06231	484751.7	3753334	0.13459	0.1969
484851.7	3753334	0.06661	484851.7	3753334	0.14445	0.2111
484951.7	3753334	0.07146	484951.7	3753334	0.15553	0.2270
485051.7	3753334	0.07692	485051.7	3753334	0.16838	0.2453
485151.7	3753334	0.08332	485151.7	3753334	0.18225	0.2656
485251.7	3753334	0.09065	485251.7	3753334	0.19808	0.2887
485351.7	3753334	0.09914	485351.7	3753334	0.21633	0.3155
485451.7	3753334	0.10918	485451.7	3753334	0.2289	0.3381
484551.7	3753434	0.05457	484551.7	3753434	0.12033	0.1749
484651.7	3753434	0.05789	484651.7	3753434	0.12865	0.1865
484751.7	3753434	0.06157	484751.7	3753434	0.13778	0.1994
484851.7	3753434	0.06574	484851.7	3753434	0.14781	0.2136
484951.7	3753434	0.07031	484951.7	3753434	0.15928	0.2296
485051.7	3753434	0.07564	485051.7	3753434	0.17213	0.2478
485151.7	3753434	0.08175	485151.7	3753434	0.18634	0.2681
485251.7	3753434	0.08861	485251.7	3753434	0.20227	0.2909
485351.7	3753434	0.09631	485351.7	3753434	0.22055	0.3169
485451.7	3753434	0.10528	485451.7	3753434	0.23349	0.3388
484551.7	3753534	0.05388	484551.7	3753534	0.12287	0.1768
484651.7	3753534	0.05724	484651.7	3753534	0.13072	0.1880
484751.7	3753534	0.06085	484751.7	3753534	0.13993	0.2008
484851.7	3753534	0.06456	484851.7	3753534	0.15052	0.2151
484951.7	3753534	0.06909	484951.7	3753534	0.16212	0.2312
485051.7	3753534	0.07431	485051.7	3753534	0.1751	0.2494
485151.7	3753534	0.07991	485151.7	3753534	0.18994	0.2699
485251.7	3753534	0.08627	485251.7	3753534	0.20609	0.2924
485351.7	3753534	0.09321	485351.7	3753534	0.22492	0.3181
485451.7	3753534	0.10107	485451.7	3753534	0.23873	0.3398
484551.7	3753634	0.05305	484551.7	3753634	0.12465	0.1777
484651.7	3753634	0.05593	484651.7	3753634	0.13275	0.1887
484751.7	3753634	0.05999	484751.7	3753634	0.14172	0.2017
484851.7	3753634	0.06369	484851.7	3753634	0.15247	0.2162
484951.7	3753634	0.06794	484951.7	3753634	0.1643	0.2322
485051.7	3753634	0.07264	485051.7	3753634	0.17775	0.2504
485151.7	3753634	0.07778	485151.7	3753634	0.19308	0.2709
485251.7	3753634	0.08351	485251.7	3753634	0.2104	0.2939
485351.7	3753634	0.09003	485351.7	3753634	0.22915	0.3192
485451.7	3753634	0.09738	485451.7	3753634	0.24336	0.3407
484551.7	3753734	0.05215	484551.7	3753734	0.12583	0.1780
484651.7	3753734	0.05517	484651.7	3753734	0.13412	0.1893
484751.7	3753734	0.05865	484751.7	3753734	0.14352	0.2022
484851.7	3753734	0.06226	484851.7	3753734	0.15411	0.2164
484951.7	3753734	0.0664	484951.7	3753734	0.16624	0.2326

485051.7	3753734	0.07101	485051.7	3753734	0.17997	0.2510
485151.7	3753734	0.07502	485151.7	3753734	0.19583	0.2709
485251.7	3753734	0.08092	485251.7	3753734	0.21417	0.2951
485351.7	3753734	0.08703	485351.7	3753734	0.23381	0.3208
485451.7	3753734	0.09363	485451.7	3753734	0.24912	0.3428
484551.7	3753834	0.05117	484551.7	3753834	0.12661	0.1778
484651.7	3753834	0.05412	484651.7	3753834	0.13507	0.1892
484751.7	3753834	0.05754	484751.7	3753834	0.14476	0.2023
484851.7	3753834	0.06045	484851.7	3753834	0.15519	0.2156
484951.7	3753834	0.06469	484951.7	3753834	0.16813	0.2328
485051.7	3753834	0.06875	485051.7	3753834	0.18264	0.2514
485151.7	3753834	0.07313	485151.7	3753834	0.19944	0.2726
485251.7	3753834	0.07838	485251.7	3753834	0.21896	0.2973
485351.7	3753834	0.08441	485351.7	3753834	0.23972	0.3241
485451.7	3753834	0.09011	485451.7	3753834	0.25731	0.3474
484551.7	3753934	0.04953	484551.7	3753934	0.12613	0.1757
484651.7	3753934	0.05317	484651.7	3753934	0.13613	0.1893
484751.7	3753934	0.05598	484751.7	3753934	0.1457	0.2017
484851.7	3753934	0.05924	484851.7	3753934	0.15704	0.2163
484951.7	3753934	0.0626	484951.7	3753934	0.16992	0.2325
485051.7	3753934	0.06707	485051.7	3753934	0.18578	0.2529
485151.7	3753934	0.07158	485151.7	3753934	0.20383	0.2754
485251.7	3753934	0.07551	485251.7	3753934	0.22542	0.3009
485351.7	3753934	0.08056	485351.7	3753934	0.25033	0.3309
485451.7	3753934	0.08618	485451.7	3753934	0.27186	0.3580
484551.7	3754034	0.04866	484551.7	3754034	0.1269	0.1756
484651.7	3754034	0.05238	484651.7	3754034	0.13752	0.1899
484751.7	3754034	0.05513	484751.7	3754034	0.14759	0.2027
484851.7	3754034	0.05829	484851.7	3754034	0.15947	0.2178
484951.7	3754034	0.06161	484951.7	3754034	0.17326	0.2349
485051.7	3754034	0.06513	485051.7	3754034	0.18963	0.2548
485151.7	3754034	0.06971	485151.7	3754034	0.20927	0.2790
485251.7	3754034	0.07238	485251.7	3754034	0.23355	0.3059
485351.7	3754034	0.07802	485351.7	3754034	0.2636	0.3416
485451.7	3754034	0.08295	485451.7	3754034	0.29302	0.3760
484551.7	3754134	0.04818	484551.7	3754134	0.12865	0.1768
484651.7	3754134	0.05121	484651.7	3754134	0.13873	0.1899
484751.7	3754134	0.05377	484751.7	3754134	0.14915	0.2029
484851.7	3754134	0.0567	484851.7	3754134	0.16163	0.2183
484951.7	3754134	0.06011	484951.7	3754134	0.17661	0.2367
485051.7	3754134	0.0637	485051.7	3754134	0.19453	0.2582
485151.7	3754134	0.06688	485151.7	3754134	0.21649	0.2834
485251.7	3754134	0.06991	485251.7	3754134	0.24488	0.3148
485351.7	3754134	0.075	485351.7	3754134	0.28362	0.3586
485451.7	3754134	0.0788	485451.7	3754134	0.33744	0.4162
484551.7	3754234	0.04805	484551.7	3754234	0.13091	0.1790
484651.7	3754234	0.05009	484651.7	3754234	0.14	0.1901
484751.7	3754234	0.05269	484751.7	3754234	0.15119	0.2039
484851.7	3754234	0.05537	484851.7	3754234	0.16422	0.2196
484951.7	3754234	0.05824	484951.7	3754234	0.17997	0.2382
485051.7	3754234	0.0611	485051.7	3754234	0.19927	0.2604
485151.7	3754234	0.06494	485151.7	3754234	0.2248	0.2897

485251.7	3754234	0.06813	485251.7	3754234	0.25933	0.3275
485351.7	3754234	0.07175	485351.7	3754234	0.31473	0.3865
485451.7	3754234	0.07544	485451.7	3754234	0.44742	0.5229
484551.7	3754334	0.04738	484551.7	3754334	0.13229	0.1797
484651.7	3754334	0.04958	484651.7	3754334	0.14216	0.1917
484751.7	3754334	0.05166	484751.7	3754334	0.15337	0.2050
484851.7	3754334	0.05394	484851.7	3754334	0.16682	0.2208
484951.7	3754334	0.05676	484951.7	3754334	0.18388	0.2406
485051.7	3754334	0.05967	485051.7	3754334	0.20519	0.2649
485151.7	3754334	0.06281	485151.7	3754334	0.2333	0.2961
485251.7	3754334	0.06509	485251.7	3754334	0.27456	0.3397
485351.7	3754334	0.06861	485351.7	3754334	0.35113	0.4197
485451.7	3754334	0.07174	485451.7	3754334	0.6045	0.6762
484551.7	3754434	0.04649	484551.7	3754434	0.13351	0.1800
484651.7	3754434	0.04863	484651.7	3754434	0.14373	0.1924
484751.7	3754434	0.05092	484751.7	3754434	0.15566	0.2066
484851.7	3754434	0.05326	484851.7	3754434	0.16992	0.2232
484951.7	3754434	0.05478	484951.7	3754434	0.18692	0.2417
485051.7	3754434	0.05753	485051.7	3754434	0.20961	0.2671
485151.7	3754434	0.05997	485151.7	3754434	0.24016	0.3001
485251.7	3754434	0.06278	485251.7	3754434	0.28672	0.3495
485351.7	3754434	0.06598	485351.7	3754434	0.37442	0.4404
485451.7	3754434	0.06894	485451.7	3754434	0.65226	0.7212
484551.7	3754534	0.04572	484551.7	3754534	0.13459	0.1803
484651.7	3754534	0.04725	484651.7	3754534	0.14451	0.1918
484751.7	3754534	0.05008	484751.7	3754534	0.15732	0.2074
484851.7	3754534	0.05193	484851.7	3754534	0.17181	0.2237
484951.7	3754534	0.05363	484951.7	3754534	0.18973	0.2434
485051.7	3754534	0.05484	485051.7	3754534	0.21165	0.2665
485151.7	3754534	0.05796	485151.7	3754534	0.24495	0.3029
485251.7	3754534	0.06033	485251.7	3754534	0.29361	0.3539
485351.7	3754534	0.06336	485351.7	3754534	0.38459	0.4480
485451.7	3754534	0.06728	485451.7	3754534	0.64211	0.7094
484551.7	3754634	0.04493	484551.7	3754634	0.13498	0.1799
484651.7	3754634	0.04648	484651.7	3754634	0.14514	0.1916
484751.7	3754634	0.04867	484751.7	3754634	0.15789	0.2066
484851.7	3754634	0.04978	484851.7	3754634	0.17156	0.2213
484951.7	3754634	0.05086	484951.7	3754634	0.18791	0.2388
485051.7	3754634	0.05384	485051.7	3754634	0.21353	0.2674
485151.7	3754634	0.05637	485151.7	3754634	0.2465	0.3029
485251.7	3754634	0.05923	485251.7	3754634	0.29634	0.3556
485351.7	3754634	0.06137	485351.7	3754634	0.38762	0.4490
485451.7	3754634	0.06384	485451.7	3754634	0.65453	0.7184
485549.5	3750935	0.04205	485549.5	3750935	0.04806	0.0901
485649.5	3750935	0.04388	485649.5	3750935	0.05018	0.0941
485749.5	3750935	0.04563	485749.5	3750935	0.05241	0.0980
485849.5	3750935	0.04684	485849.5	3750935	0.05449	0.1013
485549.5	3751035	0.04391	485549.5	3751035	0.04993	0.0938
485649.5	3751035	0.04609	485649.5	3751035	0.0521	0.0982
485749.5	3751035	0.04819	485749.5	3751035	0.05463	0.1028
485849.5	3751035	0.0496	485849.5	3751035	0.05693	0.1065
485549.5	3751135	0.04573	485549.5	3751135	0.05194	0.0977

485649.5	3751135	0.04849	485649.5	3751135	0.05416	0.1027
485749.5	3751135	0.05099	485749.5	3751135	0.05699	0.1080
485849.5	3751135	0.0527	485849.5	3751135	0.05956	0.1123
485549.5	3751235	0.04735	485549.5	3751235	0.05409	0.1014
485649.5	3751235	0.05092	485649.5	3751235	0.05629	0.1072
485749.5	3751235	0.05405	485749.5	3751235	0.05946	0.1135
485849.5	3751235	0.05637	485849.5	3751235	0.06263	0.1190
485549.5	3751335	0.04864	485549.5	3751335	0.05647	0.1051
485649.5	3751335	0.05352	485649.5	3751335	0.05895	0.1125
485749.5	3751335	0.05743	485749.5	3751335	0.06223	0.1197
485849.5	3751335	0.06059	485849.5	3751335	0.06625	0.1268
485549.5	3751435	0.04995	485549.5	3751435	0.06006	0.1100
485649.5	3751435	0.05611	485649.5	3751435	0.0626	0.1187
485749.5	3751435	0.06112	485749.5	3751435	0.0657	0.1268
485849.5	3751435	0.06529	485849.5	3751435	0.0705	0.1358
485549.5	3751535	0.05206	485549.5	3751535	0.06955	0.1216
485649.5	3751535	0.05913	485649.5	3751535	0.07037	0.1295
485749.5	3751535	0.06543	485749.5	3751535	0.07166	0.1371
485849.5	3751535	0.07048	485849.5	3751535	0.0756	0.1461
485549.5	3751635	0.05991	485549.5	3751635	0.09061	0.1505
485649.5	3751635	0.06457	485649.5	3751635	0.08792	0.1525
485749.5	3751635	0.07077	485749.5	3751635	0.08369	0.1545
485849.5	3751635	0.07591	485849.5	3751635	0.08067	0.1566
485549.5	3751735	0.07881	485549.5	3751735	0.11157	0.1904
485649.5	3751735	0.08944	485649.5	3751735	0.11702	0.2065
485749.5	3751735	0.0809	485749.5	3751735	0.10489	0.1858
485849.5	3751735	0.0825	485849.5	3751735	0.08879	0.1713
485549.5	3751835	0.09318	485549.5	3751835	0.12829	0.2215
485649.5	3751835	0.09507	485649.5	3751835	0.12588	0.2210
485749.5	3751835	0.10021	485749.5	3751835	0.12618	0.2264
485849.5	3751835	0.0973	485849.5	3751835	0.11749	0.2148
485549.5	3751935	0.09914	485549.5	3751935	0.13827	0.2374
485649.5	3751935	0.11829	485649.5	3751935	0.15089	0.2692
485749.5	3751935	0.13226	485749.5	3751935	0.15625	0.2885
485849.5	3751935	0.13357	485849.5	3751935	0.15063	0.2842
485549.5	3752035	0.10683	485549.5	3752035	0.15044	0.2573
485649.5	3752035	0.12659	485649.5	3752035	0.16561	0.2922
485749.5	3752035	0.15075	485749.5	3752035	0.18019	0.3309
485849.5	3752035	0.16432	485849.5	3752035	0.17904	0.3434
485549.5	3752135	0.11299	485549.5	3752135	0.16546	0.2785
485649.5	3752135	0.13396	485649.5	3752135	0.18403	0.3180
485749.5	3752135	0.16537	485749.5	3752135	0.20983	0.3752
485849.5	3752135	0.21273	485849.5	3752135	0.24398	0.4567
485549.5	3752235	0.11844	485549.5	3752235	0.17766	0.2961
485649.5	3752235	0.14021	485649.5	3752235	0.20245	0.3427
485749.5	3752235	0.17662	485749.5	3752235	0.24297	0.4196
485849.5	3752235	0.23446	485849.5	3752235	0.30839	0.5429
485549.5	3752335	0.12221	485549.5	3752335	0.19001	0.3122
485649.5	3752335	0.14775	485649.5	3752335	0.22078	0.3685
485749.5	3752335	0.18942	485749.5	3752335	0.27469	0.4641
485849.5	3752335	0.26407	485849.5	3752335	0.40863	0.6727
485549.5	3752435	0.12574	485549.5	3752435	0.20109	0.3268

485649.5	3752435	0.15153	485649.5	3752435	0.23494	0.3865
485749.5	3752435	0.19696	485749.5	3752435	0.29773	0.4947
485849.5	3752435	0.28932	485849.5	3752435	0.46293	0.7523
485549.5	3752535	0.13066	485549.5	3752535	0.21274	0.3434
485649.5	3752535	0.15695	485649.5	3752535	0.24939	0.4063
485749.5	3752535	0.1999	485749.5	3752535	0.31347	0.5134
485849.5	3752535	0.28826	485849.5	3752535	0.47238	0.7606
485549.5	3752635	0.13412	485549.5	3752635	0.22313	0.3573
485649.5	3752635	0.16219	485649.5	3752635	0.2647	0.4269
485749.5	3752635	0.20591	485749.5	3752635	0.33598	0.5419
485849.5	3752635	0.28805	485849.5	3752635	0.50276	0.7908
485549.5	3752735	0.13707	485549.5	3752735	0.23368	0.3708
485649.5	3752735	0.16348	485649.5	3752735	0.27619	0.4397
485749.5	3752735	0.20595	485749.5	3752735	0.35021	0.5562
485849.5	3752735	0.28542	485849.5	3752735	0.5223	0.8077
485549.5	3752835	0.13703	485549.5	3752835	0.24157	0.3786
485649.5	3752835	0.16176	485649.5	3752835	0.28504	0.4468
485749.5	3752835	0.20316	485749.5	3752835	0.36181	0.5650
485849.5	3752835	0.28048	485849.5	3752835	0.53735	0.8178
485549.5	3752935	0.1353	485549.5	3752935	0.24655	0.3819
485649.5	3752935	0.15915	485649.5	3752935	0.29219	0.4513
485749.5	3752935	0.19443	485749.5	3752935	0.3664	0.5608
485849.5	3752935	0.2633	485849.5	3752935	0.54163	0.8049
485549.5	3753035	0.13346	485549.5	3753035	0.24056	0.3740
485649.5	3753035	0.15586	485649.5	3753035	0.29585	0.4517
485749.5	3753035	0.18784	485749.5	3753035	0.37425	0.5621
485849.5	3753035	0.24556	485849.5	3753035	0.5461	0.7917
485549.5	3753135	0.13015	485549.5	3753135	0.22749	0.3576
485649.5	3753135	0.15035	485649.5	3753135	0.29715	0.4475
485749.5	3753135	0.17844	485749.5	3753135	0.37794	0.5564
485849.5	3753135	0.21841	485849.5	3753135	0.53998	0.7584
485549.5	3753235	0.1263	485549.5	3753235	0.22956	0.3559
485649.5	3753235	0.14324	485649.5	3753235	0.30238	0.4456
485749.5	3753235	0.16614	485749.5	3753235	0.38009	0.5462
485849.5	3753235	0.19598	485849.5	3753235	0.52061	0.7166
485549.5	3753335	0.12142	485549.5	3753335	0.23504	0.3565
485649.5	3753335	0.13585	485649.5	3753335	0.30659	0.4424
485749.5	3753335	0.15372	485749.5	3753335	0.38114	0.5349
485849.5	3753335	0.17673	485849.5	3753335	0.49846	0.6752
485549.5	3753435	0.11542	485549.5	3753435	0.24018	0.3556
485649.5	3753435	0.12833	485649.5	3753435	0.31448	0.4428
485749.5	3753435	0.14301	485749.5	3753435	0.38687	0.5299
485849.5	3753435	0.16094	485849.5	3753435	0.49089	0.6518
485619.4	3753970	0.09507	485619.4	3753970	0.36985	0.4649
485713	3753962	0.1014	485713	3753962	0.43973	0.5411
487190.9	3754410	0.20334	487190.9	3754410	6.45346	6.6568
487194.8	3754289	0.21127	487194.8	3754289	4.20974	4.4210
487268.8	3754091	0.2434	487268.8	3754091	2.62183	2.8652
487483.3	3754102	0.27143	487483.3	3754102	1.75091	2.0223

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 8.0.7
** Lakes Environmental Software Inc.
** Date: 12/6/2012
** File: C:\MBA\Highland Fairview REV3 - All Sources\AERMOD-Construction_15hr\LST_Const_PM10A_2017_15hr\LST_Const_PM10A_2017_15hr.ADI
**
****************************************
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**
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** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE WLC Construction Area - 2017
   TITLETWO PM10 Annual  Emissions - 15 hour day
   MODELOPT CONC  FASTALL
   AVERTIME ANNUAL
   URBANOPT 2000000
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL LST_Const_PM10A_2017_15hr.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION NMGCON2017   AREAPOLY   485959.597  3752226.022      508.690
** DESCRSRC Construction Area 2017 - Non Mass Grading
   LOCATION MGCON2017    AREAPOLY   485980.403  3753019.767      490.230
** DESCRSRC Construction Area - 2017 Mass Grading
** Source Parameters **
   SRCPARAM NMGCON2017    2.47E-07     5.000        18
   AREAVERT NMGCON2017   485959.597 3752226.022 486141.237 3752224.466
   AREAVERT NMGCON2017   486329.577 3752365.714 486703.986 3752708.556
   AREAVERT NMGCON2017   487107.462 3752540.434 487114.487 3752799.576
   AREAVERT NMGCON2017   487260.510 3752483.474 487659.988 3752225.112
   AREAVERT NMGCON2017   487843.326 3752345.943 488401.473 3752340.148
   AREAVERT NMGCON2017   488396.532 3752744.177 488659.334 3752741.670
   AREAVERT NMGCON2017   488667.916 3753238.668 487148.947 3753238.668
   AREAVERT NMGCON2017   486642.624 3753324.485 486325.100 3753324.485
   AREAVERT NMGCON2017   486342.263 3753032.706 485973.248 3753032.706
   SRCPARAM MGCON2017     2.75E-07     5.000        31
   AREAVERT MGCON2017    485980.403 3753019.767 485974.279 3752217.534
   AREAVERT MGCON2017    486145.749 3752229.782 486721.397 3752725.819
   AREAVERT MGCON2017    487094.956 3752560.473 487107.204 3752817.678
   AREAVERT MGCON2017    487266.426 3752511.482 487664.480 3752229.782
   AREAVERT MGCON2017    487848.198 3752358.384 488380.978 3752352.260
   AREAVERT MGCON2017    488387.102 3752756.439 489164.840 3752762.563
   AREAVERT MGCON2017    489164.840 3752340.012 491185.732 3752327.764
   AREAVERT MGCON2017    490646.828 3753074.882 490071.179 3753430.069
   AREAVERT MGCON2017    488693.298 3754262.922 488387.102 3754930.429
   AREAVERT MGCON2017    488313.615 3755126.394 488160.517 3755242.749
   AREAVERT MGCON2017    487609.365 3755297.864 487143.947 3755273.368
   AREAVERT MGCON2017    487131.699 3754758.959 488454.465 3754740.588
   AREAVERT MGCON2017    488607.563 3754422.144 488405.474 3754256.798
   AREAVERT MGCON2017    488393.226 3753234.104 487156.195 3753240.228
   AREAVERT MGCON2017    486507.060 3753332.087 486329.466 3753325.963
   AREAVERT MGCON2017    486341.714 3753038.139
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT NMGCON2017   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT NMGCON2017   HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT NMGCON2017   HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT NMGCON2017   HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
** Saturday:
   EMISFACT NMGCON2017   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT NMGCON2017   HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT NMGCON2017   HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT NMGCON2017   HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
** Sunday:
   EMISFACT NMGCON2017   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT NMGCON2017   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT NMGCON2017   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT NMGCON2017   HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT MGCON2017    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT MGCON2017    HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT MGCON2017    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT MGCON2017    HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
** Saturday:
   EMISFACT MGCON2017    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT MGCON2017    HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT MGCON2017    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT MGCON2017    HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
** Sunday:
   EMISFACT MGCON2017    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT MGCON2017    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT MGCON2017    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT MGCON2017    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
```

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****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED LST_Const_PM10A_2017_15hr.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE RIVR2.SFC
   PROFFILE RIVR2.PFL
   SURFDATA 00002 2005
   UAIRDATA 3190 2005
   PROFBASE 250.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL LST_CONST_PM10A_2017_15HR.AD\AN00GALL.PLT 31
   SUMMFILE LST_Const_PM10A_2017_15hr.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
                ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W530     126 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

 ************************************
 *** SETUP Finishes Successfully ***
 ************************************

♀ *** AERMOD - VERSION  12060 ***   *** WLC Construction Area - 2017                                    ***        12/06/12
                                   *** PM10 Annual  Emissions - 15 hour day                             ***        15:16:19
                                                                                                                   PAGE   1
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                         FASTALL

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for     2 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2000000.0 ;  Urban Roughness Length =  1.000 m

 **Model Allows User-Specified Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Used.

 **Other Options Specified:
         FASTALL  - Use effective sigma-y to optimize meander for
                    POINT and VOLUME sources, and hybrid approach
                    to optimize AREA sources (formerly TOXICS option)

 **Model Assumes No FLAGPOLE Receptor Heights.

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:      2 Source(s);       1 Source Group(s); and    1705 Receptor(s)

 **The Model Assumes A Pollutant Type of:  PM_10

 **Model Set To Continue RUNning After the Setup Testing.

 **Output Options Selected:
          Model Outputs Tables of ANNUAL Averages by Receptor
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and Missing Hours
                                                                   Page 2
```

```
**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   250.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      3.7 MB of RAM.

**Detailed Error/Message File:   LST_Const_PM10A_2017_15hr.err
**File for Summary of Results:   LST_Const_PM10A_2017_15hr.sum
♀ *** AERMOD - VERSION  12060 ***   *** WLC Construction Area - 2017                                    ***        12/06/12
                                    *** PM10 Annual  Emissions - 15 hour day                            ***        15:16:19
                                                                                                                   PAGE   2
**MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL


                                                  *** AREAPOLY SOURCE DATA ***

              NUMBER EMISSION RATE   LOCATION OF AREA  BASE     RELEASE  NUMBER      INIT.   URBAN  EMISSION RATE
   SOURCE      PART.  (GRAMS/SEC      X        Y      ELEV.    HEIGHT  OF VERTS.    SZ      SOURCE  SCALAR VARY
     ID        CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS)            (METERS)              BY
- - - -
```

3741938.3, 3742938.3, 3743938.3, 3744938.3, 3745938.3, 3746938.3, 3747938.3, 3748938.3, 3749938.3, 3750938.3,
3751938.3, 3752938.3, 3753938.3, 3754938.3, 3755938.3, 3756938.3, 3757938.3, 3758938.3, 3759938.3, 3760938.3,
3761938.3, 3762938.3, 3763938.3, 3764938.3, 3765938.3, 3766938.3, 3767938.3,

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
*** PM10 Annual Emissions - 15 hour day *** 15:16:19
PAGE 7

**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	317.90	315.50	311.70	305.80	301.50	279.60	278.50	272.60	279.20
3766938.31	336.30	305.50	294.90	294.00	283.00	268.30	267.10	395.80	277.90
3765938.31	325.60	405.70	301.30	289.30	287.10	261.20	293.50	397.30	291.80
3764938.31	311.30	365.90	350.10	293.30	273.50	258.00	261.00	288.90	288.10
3763938.31	295.70	394.50	275.10	267.50	248.90	253.00	257.10	276.60	299.60
3762938.31	266.30	266.90	261.00	243.60	247.90	254.20	263.80	281.00	306.80
3761938.31	242.70	240.00	239.10	241.70	250.50	255.90	268.10	287.50	312.50
3760938.31	227.40	232.20	233.60	267.10	260.30	266.80	279.00	295.10	323.80
3759938.31	231.00	227.90	306.60	254.10	267.80	278.00	287.90	303.00	326.30
3758938.31	225.00	236.10	253.00	263.10	271.10	278.30	294.20	306.30	325.20
3757938.31	242.90	247.20	257.60	287.20	273.70	269.10	286.50	309.40	333.40
3756938.31	240.20	249.30	257.40	270.00	287.90	314.60	321.20	305.30	333.60
3755938.31	246.00	257.10	266.10	276.80	293.20	340.60	359.10	392.00	355.20
3754938.31	248.50	260.00	276.80	296.00	315.10	378.50	397.50	424.40	446.50
3753938.31	260.60	269.80	285.70	300.20	343.20	384.50	408.70	459.30	492.70
3752938.31	270.20	283.70	306.80	324.20	359.90	410.50	453.20	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	370.10	406.50	435.60	459.70	473.80
3750938.31	302.60	319.90	344.80	357.00	359.90	410.40	467.40	475.40	487.80
3749938.31	329.00	337.50	391.80	442.20	444.30	439.90	466.10	486.40	501.00
3748938.31	396.00	335.40	377.80	424.70	452.80	466.30	492.50	530.60	513.50
3747938.31	427.10	444.20	382.70	398.40	434.20	525.50	527.90	535.40	508.80
3746938.31	441.20	476.80	468.20	415.80	447.50	476.50	480.20	486.90	492.60
3745938.31	443.70	473.10	464.50	438.00	420.80	444.80	467.60	496.10	513.30
3744938.31	430.60	450.90	441.80	434.80	446.20	468.50	540.20	507.00	518.10
3743938.31	417.00	420.10	430.30	443.00	447.20	451.30	469.00	476.40	478.80
3742938.31	435.90	446.30	466.50	498.00	501.00	511.50	481.80	517.80	556.40
3741938.31	474.60	533.00	551.60	552.10	619.20	572.30	597.50	653.00	564.20

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
*** PM10 Annual Emissions - 15 hour day *** 15:16:19
PAGE 8

**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	283.60	289.00	304.20	312.00	323.50	341.00	348.00	353.60	357.50
3766938.31	301.20	333.70	340.60	336.20	384.40	409.90	380.20	386.80	384.50
3765938.31	313.20	342.50	448.10	359.20	407.10	458.80	482.50	461.70	459.60
3764938.31	311.10	346.40	657.00	455.30	395.40	467.20	504.80	545.20	510.30
3763938.31	325.70	353.10	435.90	504.40	420.40	430.90	500.60	554.40	626.90
3762938.31	318.70	356.60	382.20	408.20	498.60	534.40	470.90	509.90	539.10
3761938.31	411.70	551.30	580.90	449.90	615.40	776.00	690.30	617.60	548.30
3760938.31	399.70	469.40	625.60	642.80	582.20	632.10	814.90	830.10	632.90
3759938.31	352.70	380.50	666.10	820.90	599.20	547.70	579.10	784.30	625.60
3758938.31	356.30	404.00	732.30	830.30	615.10	544.90	541.10	565.00	602.60
3757938.31	390.90	429.40	509.10	790.60	782.00	562.30	524.60	545.10	576.90
3756938.31	396.60	462.40	469.80	513.40	695.40	563.20	521.90	516.20	540.60
3755938.31	451.40	484.60	457.40	488.80	514.90	515.10	503.90	508.20	511.80
3754938.31	462.00	468.90	467.80	474.40	483.10	495.10	497.10	497.00	496.10
3753938.31	485.80	444.20	462.50	468.20	470.10	483.70	489.90	488.60	488.00
3752938.31	496.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	499.70	534.90	498.40	478.90	472.10	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	472.60	465.30	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	467.20	456.80	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	476.10	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	454.60	452.80	451.90
3746938.31	525.30	513.50	511.80	533.20	519.10	469.50	454.30	454.50	447.50
3745938.31	546.30	513.20	510.80	517.60	521.80	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	533.40	477.40	461.80	449.40	445.80
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	522.10	528.30	527.90	518.60	512.50	490.80	475.50	452.00	447.80
3741938.31	593.90	581.10	555.50	534.60	537.70	549.40	498.00	460.30	442.90

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
*** PM10 Annual Emissions - 15 hour day *** 15:16:19
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**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	373.90	406.60	408.60	429.30	457.00	476.70	495.00	534.80	562.90
3765938.31	441.20	390.60	450.20	458.00	486.40	516.70	539.40	562.30	602.20
3764938.31	472.90	447.20	408.10	450.00	508.00	549.40	579.80	596.40	630.70
3763938.31	573.90	480.90	465.10	443.30	451.50	526.90	616.60	643.00	665.40
3762938.31	633.40	621.10	497.10	513.60	500.30	473.20	549.60	558.50	597.70

3761938.31	633.80	696.10	578.40	595.10	536.00	493.00	521.50	573.40	589.70
3760938.31	612.70	771.50	774.50	667.50	632.60	595.90	532.50	510.00	543.10
3759938.31	750.20	721.00	823.40	796.40	718.30	624.10	577.90	559.90	566.90
3758938.31	769.50	817.80	682.00	715.80	715.30	649.00	632.00	705.60	627.80
3757938.31	654.20	735.40	726.40	625.20	646.60	603.80	643.90	673.20	703.70
3756938.31	578.40	596.10	632.00	636.80	574.80	581.40	584.90	593.20	633.90
3755938.31	534.90	550.50	557.10	551.80	558.10	556.20	551.80	549.40	578.00
3754938.31	501.90	518.80	513.20	530.30	535.20	537.10	527.60	525.60	526.30
3753938.31	484.50	494.20	500.90	507.30	527.20	515.60	503.90	503.00	496.40
3752938.31	472.20	481.00	482.10	483.90	484.30	487.50	488.10	487.40	479.60
3751938.31	472.00	468.70	466.60	469.20	467.20	475.60	513.80	650.90	533.40
3750938.31	462.20	464.30	454.80	461.90	476.80	531.30	771.00	658.60	548.10
3749938.31	461.90	456.70	491.00	524.00	524.30	563.50	580.90	550.10	513.70
3748938.31	453.60	458.80	528.40	666.50	545.30	516.50	507.70	500.10	534.60
3747938.31	448.80	453.60	630.60	614.60	504.60	497.40	478.00	495.60	566.60
3746938.31	443.40	457.10	486.30	478.00	478.00	478.00	478.00	535.10	465.60
3745938.31	444.60	444.00	451.50	478.00	478.00	478.00	544.70	620.50	435.80
3744938.31	442.20	442.80	446.20	452.70	478.00	491.40	688.80	460.70	434.70
3743938.31	442.20	443.90	443.80	449.80	518.60	704.30	461.70	433.40	439.40
3742938.31	443.00	436.50	441.80	460.50	485.80	462.50	436.60	434.40	437.20
3741938.31	440.00	440.00	443.20	464.70	494.00	451.40	435.10	436.80	444.80

**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	585.60	659.90	750.50	849.50	964.60	887.60	799.80	842.60
3766938.31	620.90	644.20	726.40	740.70	749.70	765.90	746.90	783.40	825.20
3765938.31	647.50	671.10	648.30	644.30	667.00	700.80	752.10	785.40	821.00
3764938.31	645.70	628.90	634.80	634.90	658.40	717.30	744.10	769.90	803.90
3763938.31	641.80	636.10	611.10	647.70	662.20	696.20	735.10	762.10	788.90
3762938.31	567.80	579.90	612.80	639.70	683.70	703.20	737.10	760.10	788.60
3761938.31	645.00	662.30	670.20	680.00	684.30	717.00	734.10	758.40	782.00
3760938.31	605.10	665.70	651.20	671.30	699.20	686.90	709.50	748.60	777.00
3759938.31	554.60	565.70	601.70	627.90	662.80	672.60	705.00	707.60	735.00
3758938.31	691.80	646.90	606.20	641.40	617.10	646.90	656.00	701.50	705.00
3757938.31	708.00	700.40	691.40	714.50	700.80	636.00	691.20	708.50	717.50
3756938.31	671.60	698.80	672.20	693.20	762.30	676.60	660.50	722.70	744.70
3755938.31	584.70	625.90	643.00	724.20	685.50	740.50	714.80	678.00	696.50
3754938.31	538.80	559.60	583.70	611.70	661.10	631.20	658.60	711.00	714.10
3753938.31	497.80	504.20	536.20	577.90	576.60	604.60	594.70	629.30	712.60
3752938.31	476.00	484.00	483.20	521.60	511.20	551.60	565.60	597.80	713.90
3751938.31	461.80	464.20	456.50	460.80	483.90	546.20	559.10	588.10	668.30
3750938.31	452.20	443.30	437.30	433.00	456.70	508.60	521.70	564.30	641.50
3749938.31	440.90	437.90	432.30	428.00	441.00	462.30	480.10	618.00	616.20
3748938.31	447.80	435.20	433.30	430.10	431.40	434.70	436.80	562.80	649.90
3747938.31	441.10	433.70	435.40	437.00	430.60	428.00	432.60	441.60	530.80
3746938.31	435.20	470.70	436.80	436.10	434.50	439.70	433.90	437.50	452.70
3745938.31	432.10	434.70	437.10	439.10	440.90	438.60	438.10	435.60	446.20
3744938.31	435.10	440.90	436.10	438.20	441.30	441.00	441.10	438.90	439.20
3743938.31	445.10	447.60	443.00	442.10	473.20	470.40	440.10	441.00	440.30
3742938.31	453.00	463.60	463.40	470.40	558.30	719.10	644.10	446.20	448.60
3741938.31	459.30	477.60	489.00	576.80	623.40	693.40	713.10	512.00	449.70

**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	884.20	929.90	993.80	1066.90	1171.60	1243.50	1319.20	1434.80	1630.30
3766938.31	883.00	946.60	1050.80	1085.60	1198.10	1517.00	1503.00	1502.80	1502.40
3765938.31	883.90	1004.20	1177.00	1131.40	1192.90	1410.70	1471.10	1478.60	1400.30
3764938.31	850.10	947.40	1013.60	1008.70	1179.60	1281.10	1301.70	1306.10	1382.20
3763938.31	829.40	857.30	905.40	964.90	1044.10	1180.20	1202.20	1179.70	1257.70
3762938.31	822.50	865.90	944.60	1007.70	1037.60	1078.00	1127.90	1158.40	1182.30
3761938.31	809.00	878.30	953.60	1169.40	1036.50	1099.60	1048.30	1047.60	1121.70
3760938.31	787.90	883.00	940.40	982.90	1006.80	962.30	991.10	1006.40	1068.70
3759938.31	799.00	833.90	872.10	865.40	882.00	901.80	917.10	980.90	1014.00
3758938.31	739.80	775.50	823.60	827.30	844.80	866.20	876.00	896.40	973.80
3757938.31	745.50	766.60	789.80	806.10	812.70	836.20	847.10	869.00	891.20
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	796.10	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	733.70	739.00	748.20	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	698.30	742.60	758.40	806.00	784.40	793.40	782.90	776.00	774.50
3751938.31	688.50	698.30	788.50	827.60	779.20	816.00	826.50	776.50	765.50
3750938.31	637.60	658.70	761.70	746.60	753.10	763.30	778.20	767.10	824.50
3749938.31	565.10	605.60	688.00	741.70	730.60	768.40	748.50	743.00	742.90
3748938.31	600.40	581.60	634.10	689.10	721.10	712.00	735.90	695.10	721.80
3747938.31	612.80	550.40	629.60	635.50	674.00	749.80	680.90	680.10	661.60
3746938.31	475.00	519.90	658.40	668.60	636.20	659.50	635.50	626.90	644.80
3745938.31	457.70	478.30	548.30	576.50	593.60	572.70	612.10	688.50	733.30
3744938.31	445.20	446.70	455.30	487.90	797.60	730.60	713.70	991.50	924.10
3743938.31	441.00	442.60	443.20	451.00	524.60	831.50	1033.10	970.20	1073.70
3742938.31	441.80	443.80	445.20	450.00	460.10	583.10	792.30	1036.30	1119.40
3741938.31	445.60	445.70	445.30	450.20	453.60	459.80	469.30	669.80	974.60

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	677.00	570.00	311.70	305.80	301.50	279.60	331.00	406.00	735.00
3766938.31	677.00	677.00	478.00	303.00	283.00	289.00	434.00	406.00	735.00
3765938.31	677.00	478.00	518.00	478.00	287.10	429.00	434.00	434.00	735.00
3764938.31	677.00	518.00	518.00	518.00	273.50	258.00	434.00	735.00	735.00
3763938.31	677.00	518.00	518.00	518.00	248.90	253.00	257.10	735.00	758.00
3762938.31	677.00	518.00	518.00	518.00	247.90	259.00	580.00	735.00	905.00
3761938.31	518.00	518.00	518.00	373.00	250.50	255.90	580.00	905.00	932.00
3760938.31	227.40	392.00	392.00	392.00	260.30	266.80	580.00	932.00	932.00
3759938.31	231.00	392.00	392.00	392.00	267.80	278.00	905.00	932.00	932.00
3758938.31	225.00	251.00	253.00	263.10	271.10	278.30	905.00	932.00	932.00
3757938.31	242.90	247.20	257.60	343.00	319.00	294.00	905.00	932.00	932.00
3756938.31	240.20	249.30	257.40	318.00	287.90	314.60	330.00	932.00	932.00
3755938.31	246.00	257.10	266.10	276.80	432.00	432.00	359.10	404.00	932.00
3754938.31	248.50	260.00	276.80	296.00	432.00	432.00	397.50	427.00	459.00
3753938.31	260.60	269.80	337.00	300.20	372.00	401.00	408.70	459.30	492.70
3752938.31	270.20	288.00	306.80	324.20	359.90	439.00	470.00	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	374.00	498.00	498.00	466.00	473.80
3750938.31	302.60	319.90	344.80	384.00	359.90	472.00	467.40	475.40	487.80
3749938.31	411.00	337.50	458.00	458.00	446.00	448.00	466.10	486.40	501.00
3748938.31	405.00	480.00	395.00	424.70	455.00	466.30	492.50	543.00	513.50
3747938.31	428.00	456.00	498.00	398.40	559.00	559.00	537.00	535.40	508.80
3746938.31	441.20	476.80	488.00	445.00	447.50	476.50	480.20	486.90	492.60
3745938.31	445.00	478.00	468.00	438.00	420.80	450.00	467.60	496.10	513.30
3744938.31	464.00	450.90	441.80	434.80	451.00	501.00	540.20	507.00	518.10
3743938.31	417.00	422.00	430.30	632.00	633.00	633.00	661.00	685.00	478.80
3742938.31	597.00	710.00	710.00	632.00	633.00	633.00	687.00	687.00	687.00
3741938.31	710.00	710.00	710.00	736.00	633.00	602.00	661.00	680.00	734.00

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	735.00	735.00	735.00	735.00	735.00	341.00	348.00	353.60	357.50
3766938.31	735.00	735.00	735.00	735.00	735.00	481.00	563.00	634.00	642.00
3765938.31	735.00	735.00	735.00	841.00	735.00	461.00	563.00	635.00	644.00
3764938.31	735.00	758.00	735.00	735.00	941.00	941.00	941.00	941.00	941.00
3763938.31	867.00	867.00	856.00	856.00	941.00	941.00	941.00	941.00	634.00
3762938.31	932.00	932.00	941.00	941.00	941.00	941.00	941.00	941.00	941.00
3761938.31	905.00	850.00	867.00	941.00	941.00	874.00	941.00	941.00	941.00
3760938.31	932.00	932.00	905.00	905.00	941.00	941.00	941.00	941.00	941.00
3759938.31	932.00	932.00	932.00	867.00	941.00	941.00	941.00	941.00	941.00
3758938.31	932.00	932.00	932.00	905.00	932.00	941.00	941.00	941.00	941.00
3757938.31	932.00	932.00	932.00	932.00	932.00	941.00	941.00	941.00	941.00
3756938.31	932.00	932.00	932.00	932.00	932.00	932.00	941.00	941.00	890.00
3755938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	890.00
3754938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	497.00	496.10
3753938.31	485.80	932.00	932.00	932.00	932.00	932.00	489.90	488.60	488.00
3752938.31	509.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	509.00	541.00	503.00	478.90	479.00	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	479.00	490.00	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	468.00	490.00	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	478.00	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	462.00	452.80	451.90
3746938.31	566.00	513.50	511.80	536.00	519.10	469.50	454.30	454.50	457.00
3745938.31	559.00	513.20	510.80	517.60	540.00	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	548.00	477.40	461.80	449.40	447.00
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	734.00	528.30	527.90	518.60	515.00	490.80	475.50	455.00	452.00
3741938.31	734.00	734.00	555.50	534.60	537.70	549.40	597.00	460.30	442.90

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
*** PM10 Annual Emissions - 15 hour day *** 15:16:19
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	3236.00	3236.00	3251.00	3300.00	3300.00	3300.00	3410.00	3497.00	3499.00
3766938.31	537.00	3236.00	3251.00	3300.00	3300.00	3300.00	3300.00	3410.00	3499.00
3765938.31	644.00	3236.00	3236.00	3251.00	3300.00	3300.00	3300.00	3300.00	3410.00
3764938.31	941.00	687.00	3236.00	3236.00	3251.00	3300.00	3300.00	3300.00	3300.00
3763938.31	687.00	941.00	858.00	3236.00	3251.00	3251.00	3251.00	3300.00	3300.00
3762938.31	941.00	782.00	858.00	858.00	3236.00	3251.00	3300.00	3300.00	3300.00
3761938.31	941.00	858.00	858.00	858.00	858.00	3236.00	3251.00	3300.00	3300.00
3760938.31	941.00	824.00	858.00	858.00	858.00	802.00	3236.00	3300.00	3300.00
3759938.31	887.00	890.00	833.00	829.00	802.00	771.00	771.00	3236.00	3251.00
3758938.31	890.00	890.00	890.00	829.00	741.00	731.00	751.00	751.00	3236.00
3757938.31	890.00	890.00	890.00	890.00	684.00	603.80	738.00	774.00	774.00
3756938.31	890.00	890.00	890.00	682.00	574.80	581.40	584.90	774.00	774.00
3755938.31	890.00	890.00	890.00	721.00	558.10	556.20	551.80	549.40	607.00

3754938.31	890.00	890.00	518.00	530.30	617.00	537.10	527.60	525.60	528.00
3753938.31	484.50	494.20	500.90	617.00	617.00	615.00	811.00	811.00	777.00
3752938.31	472.20	481.00	482.10	483.90	811.00	811.00	811.00	811.00	811.00
3751938.31	472.00	468.70	466.60	798.00	811.00	811.00	811.00	811.00	811.00
3750938.31	462.20	741.00	777.00	798.00	811.00	811.00	798.00	811.00	811.00
3749938.31	766.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00	811.00
3748938.31	777.00	777.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00
3747938.31	777.00	777.00	777.00	777.00	777.00	810.00	811.00	810.00	804.00
3746938.31	777.00	777.00	777.00	777.00	810.00	810.00	810.00	810.00	810.00
3745938.31	444.60	777.00	777.00	810.00	810.00	810.00	810.00	810.00	810.00
3744938.31	442.20	442.80	757.00	810.00	810.00	810.00	810.00	810.00	810.00
3743938.31	442.20	443.90	757.00	810.00	810.00	757.00	810.00	810.00	810.00
3742938.31	443.00	436.50	757.00	757.00	810.00	810.00	810.00	810.00	810.00
3741938.31	440.00	443.00	757.00	757.00	757.00	810.00	810.00	810.00	444.80

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3766938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3765938.31	3498.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3764938.31	3497.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3763938.31	3410.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3762938.31	3497.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3761938.31	3300.00	3410.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3760938.31	3300.00	3300.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3759938.31	3300.00	3410.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3758938.31	3236.00	3300.00	3410.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3757938.31	769.00	3236.00	3251.00	3300.00	3497.00	3499.00	3499.00	3499.00	3499.00
3756938.31	760.00	761.00	3236.00	3251.00	3251.00	3499.00	3499.00	3499.00	3499.00
3755938.31	760.00	760.00	3236.00	727.00	3251.00	3251.00	3499.00	3499.00	3499.00
3754938.31	546.00	639.00	627.00	3236.00	3236.00	3300.00	3499.00	3499.00	3499.00
3753938.31	777.00	569.00	596.00	581.00	3236.00	3236.00	3499.00	3499.00	3499.00
3752938.31	811.00	777.00	575.00	529.00	3236.00	3236.00	3236.00	3499.00	3236.00
3751938.31	811.00	777.00	461.00	460.80	578.00	546.20	592.00	3236.00	709.00
3750938.31	811.00	811.00	437.30	433.00	456.70	518.00	713.00	713.00	680.00
3749938.31	811.00	811.00	432.30	428.00	441.00	713.00	713.00	713.00	713.00
3748938.31	811.00	729.00	729.00	432.00	439.00	713.00	713.00	713.00	663.00
3747938.31	804.00	804.00	729.00	437.00	430.60	428.00	713.00	713.00	663.00
3746938.31	810.00	804.00	599.00	436.10	434.50	439.70	433.90	653.00	663.00
3745938.31	810.00	804.00	437.10	439.10	796.00	796.00	438.10	435.60	446.20
3744938.31	810.00	804.00	436.10	796.00	796.00	796.00	796.00	796.00	439.20
3743938.31	810.00	447.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3742938.31	453.00	463.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3741938.31	459.30	477.60	796.00	796.00	796.00	796.00	781.00	796.00	796.00

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3766938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3765938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3764938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3763938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3762938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3761938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3760938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3759938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3758938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3757938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3756938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3755938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3754938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3753938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3752938.31	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3751938.31	702.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3750938.31	679.00	3499.00	799.00	3499.00	3499.00	3499.00	3499.00	3499.00	3499.00
3749938.31	782.00	860.00	774.00	749.00	3499.00	3499.00	3499.00	3499.00	3499.00
3748938.31	644.00	670.00	716.00	711.00	783.00	3499.00	3499.00	3499.00	3499.00
3747938.31	618.00	800.00	800.00	800.00	830.00	830.00	3470.00	3499.00	3499.00
3746938.31	800.00	800.00	800.00	800.00	1147.00	1147.00	1220.00	3499.00	3499.00
3745938.31	800.00	1133.00	1133.00	1147.00	1220.00	1220.00	3276.00	3276.00	3276.00
3744938.31	1129.00	1147.00	1168.00	1220.00	1133.00	1220.00	1220.00	1016.00	1220.00
3743938.31	1133.00	1168.00	1220.00	1220.00	1220.00	1168.00	1133.00	1168.00	1078.00
3742938.31	1133.00	1168.00	1220.00	1220.00	3276.00	1237.00	1220.00	1168.00	1168.00
3741938.31	1133.00	1168.00	1220.00	1220.00	3276.00	3276.00	3276.00	3276.00	1220.00

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

484551.7, 484651.7, 484751.7, 484851.7, 484951.7, 485051.7, 485151.7, 485251.7, 485351.7, 485451.7,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.4, 3751034.4, 3751134.4, 3751234.4, 3751334.4, 3751434.4, 3751534.4, 3751634.4, 3751734.4, 3751834.4,
3751934.4, 3752034.4, 3752134.4, 3752234.4, 3752334.4, 3752434.4, 3752534.4, 3752634.4, 3752734.4, 3752834.4,
3752934.4, 3753034.4, 3753134.4, 3753234.4, 3753334.4, 3753434.4, 3753534.4, 3753634.4, 3753734.4, 3753834.4,
3753934.4, 3754034.4, 3754134.4, 3754234.4, 3754334.4, 3754434.4, 3754534.4, 3754634.4,

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
*** PM10 Annual Emissions - 15 hour day *** 15:16:19
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	524.70	525.20	523.10	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	523.30	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	521.50	520.70	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	518.70	518.40	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	516.90	518.10	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	518.10	514.80	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	517.70	512.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	515.80	511.30	512.10	511.60	512.10	508.80	506.80	509.90	509.10
3753834.43	510.50	509.90	507.90	511.00	507.90	508.00	508.50	506.70	502.40
3753734.43	507.90	507.90	506.50	506.80	505.40	503.10	508.40	504.90	503.30
3753634.43	505.40	508.10	501.40	503.70	503.70	503.30	503.20	503.00	502.00
3753534.43	502.40	500.60	501.10	505.00	504.30	501.80	501.10	498.80	499.90
3753434.43	498.20	500.10	501.50	501.30	502.50	501.60	499.50	497.50	498.00
3753334.43	498.80	499.20	497.80	498.20	498.30	499.50	497.40	496.00	496.90
3753234.43	496.80	496.00	496.70	497.80	496.40	495.20	496.20	494.90	496.00
3753134.43	498.10	497.00	494.60	493.00	495.50	495.30	497.10	492.90	491.50
3753034.43	494.30	493.10	494.60	493.00	494.00	492.80	493.70	491.30	491.10
3752934.43	487.60	488.10	490.80	488.60	490.80	489.70	490.10	490.20	488.40
3752834.43	488.90	488.00	489.10	488.80	488.50	487.50	487.80	490.40	486.40
3752734.43	486.30	487.90	485.40	485.50	485.30	487.90	484.30	486.00	484.80
3752634.43	486.90	484.10	487.00	485.90	483.90	490.10	488.80	486.00	483.20
3752534.43	483.40	482.40	478.60	483.50	481.50	482.10	483.90	481.50	482.60
3752434.43	480.00	484.30	482.60	483.00	481.10	477.10	483.10	479.20	483.50
3752334.43	478.40	481.10	480.70	479.00	480.30	479.30	481.40	480.90	483.80
3752234.43	475.80	477.00	481.50	478.90	478.30	472.50	481.10	479.50	483.70
3752134.43	475.40	478.80	479.20	479.80	480.70	479.50	480.70	485.90	491.70
3752034.43	480.20	481.20	476.20	478.10	482.00	478.70	482.40	487.10	493.80
3751934.43	475.60	477.20	479.30	478.60	479.40	482.60	487.80	490.10	497.20
3751834.43	475.90	478.80	480.40	483.60	480.90	486.20	491.70	498.90	506.50
3751734.43	482.60	483.70	490.40	491.10	488.70	490.80	495.50	501.30	512.70
3751634.43	487.30	492.60	492.30	493.50	495.90	493.70	501.30	512.90	527.00
3751534.43	490.70	494.00	501.90	502.10	505.60	504.10	514.20	535.70	561.00
3751434.43	495.40	502.10	507.10	510.40	512.40	522.30	540.90	563.70	601.20
3751334.43	500.20	504.10	509.30	515.40	516.70	531.00	556.50	596.00	635.10
3751234.43	504.80	510.60	515.40	521.50	530.10	547.10	570.50	612.20	650.20
3751134.43	512.40	513.00	516.40	540.90	547.30	559.70	574.00	609.80	636.10
3751034.43	514.10	518.70	538.20	566.60	558.70	570.80	594.70	631.60	660.00
3750934.43	532.10	531.70	564.30	576.10	577.60	587.10	618.00	658.00	693.50

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	516.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	507.50
3753934.43	507.60
3753834.43	504.10
3753734.43	502.70
3753634.43	500.40
3753534.43	500.80
3753434.43	497.40
3753334.43	496.10
3753234.43	494.70
3753134.43	492.30
3753034.43	491.70
3752934.43	485.90
3752834.43	487.20
3752734.43	485.10
3752634.43	485.10
3752534.43	484.10
3752434.43	485.40
3752334.43	484.70
3752234.43	491.00
3752134.43	493.80
3752034.43	502.20

3751934.43	504.90
3751834.43	515.40
3751734.43	523.90
3751634.43	548.80
3751534.43	594.90
3751434.43	642.40
3751334.43	689.90
3751234.43	687.90
3751134.43	679.30
3751034.43	697.10
3750934.43	732.40

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
*** PM10 Annual Emissions - 15 hour day *** 15:16:19
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	615.00	527.00	526.00	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	615.00	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	616.00	615.00	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	616.00	615.00	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	616.00	615.00	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	616.00	615.00	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	615.00	615.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	615.00	559.00	512.10	511.60	512.10	508.80	811.00	811.00	811.00
3753834.43	615.00	559.00	507.90	511.00	811.00	811.00	811.00	811.00	811.00
3753734.43	613.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3750934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
*** PM10 Annual Emissions - 15 hour day *** 15:16:19
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	520.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	811.00
3753934.43	811.00
3753834.43	811.00
3753734.43	811.00
3753634.43	811.00
3753534.43	811.00
3753434.43	811.00
3753334.43	811.00
3753234.43	811.00
3753134.43	811.00
3753034.43	811.00
3752934.43	811.00
3752834.43	811.00
3752734.43	811.00
3752634.43	811.00
3752534.43	811.00
3752434.43	811.00
3752334.43	811.00
3752234.43	811.00
3752134.43	811.00
3752034.43	811.00
3751934.43	811.00
3751834.43	811.00

3751734.43	811.00
3751634.43	811.00
3751534.43	811.00
3751434.43	811.00
3751334.43	811.00
3751234.43	811.00
3751134.43	811.00
3751034.43	811.00
3750934.43	811.00

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
*** PM10 Annual Emissions - 15 hour day *** 15:16:19
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

485549.5, 485649.5, 485749.5, 485849.5,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.9, 3751034.9, 3751134.9, 3751234.9, 3751334.9, 3751434.9, 3751534.9, 3751634.9, 3751734.9, 3751834.9,
3751934.9, 3752034.9, 3752134.9, 3752234.9, 3752334.9, 3752434.9, 3752534.9, 3752634.9, 3752734.9, 3752834.9,
3752934.9, 3753034.9, 3753134.9, 3753234.9, 3753334.9, 3753434.9,

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
*** PM10 Annual Emissions - 15 hour day *** 15:16:19
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	497.00	494.70	493.80	492.50
3753334.90	495.20	494.30	494.20	494.90
3753234.90	493.20	495.50	492.40	492.80
3753134.90	490.00	490.70	490.50	489.50
3753034.90	490.20	491.70	489.20	490.10
3752934.90	488.20	488.60	486.50	488.00
3752834.90	489.00	487.30	488.80	488.50
3752734.90	488.90	487.30	487.40	486.30
3752634.90	486.00	486.60	486.90	486.00
3752534.90	486.00	484.20	484.00	486.00
3752434.90	485.70	485.00	488.10	493.30
3752334.90	489.50	491.30	494.00	502.10
3752234.90	493.50	496.70	497.00	506.50
3752134.90	498.50	502.00	503.90	507.60
3752034.90	508.20	508.10	511.20	522.80
3751934.90	513.90	513.00	519.30	532.40
3751834.90	518.10	529.70	538.40	559.00
3751734.90	531.80	533.60	558.40	605.00
3751634.90	557.00	570.60	588.90	622.30
3751534.90	599.00	611.20	626.10	628.30
3751434.90	659.50	664.00	669.40	643.70
3751334.90	702.50	703.50	696.20	663.60
3751234.90	708.30	736.50	713.70	692.00
3751134.90	720.70	748.90	725.50	720.30
3751034.90	744.10	769.60	738.00	734.40
3750934.90	771.00	782.40	753.40	754.20

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
*** PM10 Annual Emissions - 15 hour day *** 15:16:19
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	811.00	811.00	811.00	811.00
3753334.90	811.00	811.00	811.00	811.00
3753234.90	811.00	811.00	811.00	811.00
3753134.90	811.00	811.00	811.00	811.00
3753034.90	811.00	811.00	811.00	811.00
3752934.90	811.00	811.00	811.00	811.00
3752834.90	811.00	811.00	811.00	811.00
3752734.90	811.00	811.00	811.00	811.00
3752634.90	811.00	811.00	811.00	811.00
3752534.90	811.00	811.00	811.00	811.00
3752434.90	811.00	811.00	811.00	811.00
3752334.90	811.00	811.00	811.00	811.00
3752234.90	811.00	811.00	811.00	811.00
3752134.90	811.00	811.00	811.00	811.00
3752034.90	811.00	811.00	811.00	811.00
3751934.90	811.00	811.00	811.00	811.00
3751834.90	811.00	811.00	811.00	811.00
3751734.90	811.00	811.00	811.00	811.00
3751634.90	811.00	811.00	811.00	811.00
3751534.90	811.00	811.00	811.00	811.00
3751434.90	811.00	811.00	811.00	811.00
3751334.90	811.00	811.00	811.00	811.00

```
 3751234.90 |        811.00       811.00       811.00       811.00
 3751134.90 |        811.00       811.00       811.00       811.00
 3751034.90 |        811.00       798.00       811.00       811.00
 3750934.90 |        798.00       798.00       811.00       811.00
♀ *** AERMOD - VERSION  12060 ***   *** WLC Construction Area - 2017                                   ***        12/06/12
                                    *** PM10 Annual  Emissions - 15 hour day                           ***        15:16:19
                                                                                                                  PAGE  25
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     ( 485619.4, 3753969.7,     505.7,     811.0,       0.0);         ( 485713.0, 3753961.9,     506.6,     811.0,       0.0);
     ( 487190.8, 3754410.3,     509.4,     776.0,       0.0);         ( 487194.8, 3754289.5,     507.2,     777.0,       0.0);
     ( 487268.8, 3754090.6,     503.1,     777.0,       0.0);         ( 487483.3, 3754102.3,     502.0,     777.0,       0.0);
♀ *** AERMOD - VERSION  12060 ***   *** WLC Construction Area - 2017                                   ***        12/06/12
                                    *** PM10 Annual  Emissions - 15 hour day                           ***        15:16:19
                                                                                                                  PAGE  26
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL

                                       *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                    *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
♀ *** AERMOD - VERSION  12060 ***   *** WLC Construction Area - 2017                                   ***        12/06/12
                                    *** PM10 Annual  Emissions - 15 hour day                           ***        15:16:19
                                                                                                                  PAGE  27
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL

                                        *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

   Surface file:   RIVR2.SFC                                                                    Met Version:  11059
   Profile file:   RIVR2.PFL
   Surface format: FREE
   Profile format: FREE
   Surface station no.:        2                  Upper air station no.:     3190
                  Name: UNKNOWN                                   Name: UNKNOWN
                  Year:   2005                                    Year:   2005

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN ALBEDO  REF WS   WD     HT  REF TA     HT
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 05 01 01   1 01   -7.5  0.135 -9.000 -9.000 -999.  115.     29.0  0.39   1.00   1.00    1.60  338.    9.1  279.2    5.5
 05 01 01   1 02   -2.2  0.057 -9.000 -9.000 -999.   34.      7.4  0.39   1.00   1.00    0.90  264.    9.1  279.2    5.5
 05 01 01   1 03   -4.0  0.070 -9.000 -9.000 -999.   42.      7.4  0.39   1.00   1.00    1.10   54.    9.1  278.8    5.5
 05 01 01   1 04   -1.6  0.044 -9.000 -9.000 -999.   21.      4.7  0.39   1.00   1.00    0.70  360.    9.1  278.8    5.5
 05 01 01   1 05   -2.7  0.063 -9.000 -9.000 -999.   37.      8.2  0.39   1.00   1.00    1.00  318.    9.1  278.1    5.5
 05 01 01   1 06   -2.8  0.070 -9.000 -9.000 -999.   42.     10.5  0.39   1.00   1.00    1.10   53.    9.1  277.5    5.5
 05 01 01   1 07   -3.8  0.070 -9.000 -9.000 -999.   42.      7.7  0.39   1.00   1.00    1.10  134.    9.1  278.8    5.5
 05 01 01   1 08   -2.3  0.057 -9.000 -9.000 -999.   31.      7.0  0.39   1.00   0.53    0.90  319.    9.1  278.8    5.5
 05 01 01   1 09   29.7  0.193  0.388  0.005   69.  195.    -21.1  0.39   1.00   0.32    1.20  110.    9.1  282.0    5.5
 05 01 01   1 10   78.5  0.248  1.193  0.005  760.  285.    -17.1  0.39   1.00   0.25    1.50  107.    9.1  284.2    5.5
 05 01 01   1 11  118.9  0.316  1.511  0.007 1020.  409.    -23.3  0.39   1.00   0.22    2.00  122.    9.1  285.9    5.5
 05 01 01   1 12  132.2  0.238  1.665  0.009 1227.  270.     -9.0  0.39   1.00   0.21    1.30  154.    9.1  287.0    5.5
 05 01 01   1 13   80.9  0.249  1.421  0.009 1245.  286.    -16.8  0.39   1.00   0.21    1.50  166.    9.1  287.0    5.5
 05 01 01   1 14   80.7  0.305  1.427  0.009 1263.  388.    -31.0  0.39   1.00   0.23    2.00  235.    9.1  287.5    5.5
 05 01 01   1 15   36.6  0.321  1.098  0.009 1270.  419.    -79.5  0.39   1.00   0.26    2.30  305.    9.1  286.4    5.5
 05 01 01   1 16    1.2  0.206  0.354  0.009 1271.  221.   -629.7  0.39   1.00   0.35    1.60  292.    9.1  285.9    5.5
 05 01 01   1 17  -11.9  0.181 -9.000 -9.000 -999.  178.     44.1  0.39   1.00   0.63    1.90  280.    9.1  285.4    5.5
 05 01 01   1 18  -17.1  0.313 -9.000 -9.000 -999.  404.    158.3  0.39   1.00   1.00    2.70  304.    9.1  284.2    5.5
 05 01 01   1 19   -8.7  0.159 -9.000 -9.000 -999.  161.     40.6  0.39   1.00   1.00    1.70  311.    9.1  283.8    5.5
 05 01 01   1 20   -3.8  0.070 -9.000 -9.000 -999.   48.      7.8  0.39   1.00   1.00    1.10   13.    9.1  283.1    5.5
 05 01 01   1 21   -4.7  0.076 -9.000 -9.000 -999.   48.      8.2  0.39   1.00   1.00    1.20    8.    9.1  282.0    5.5
 05 01 01   1 22   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80  183.    9.1  280.9    5.5
 05 01 01   1 23   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   16.    9.1  280.4    5.5
 05 01 01   1 24   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   62.    9.1  279.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 05 01 01 01    5.5 0 -999.  -99.00   279.3   99.0  -99.00  -99.00
 05 01 01 01    9.1 1  338.    1.60  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
♀ *** AERMOD - VERSION  12060 ***   *** WLC Construction Area - 2017                                   ***        12/06/12
                                    *** PM10 Annual  Emissions - 15 hour day                           ***        15:16:19
                                                                                                                  PAGE  28
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL

                     *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     NMGCON2017   , MGCON2017   ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3                          **
```

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	0.00292	0.00306	0.00320	0.00334	0.00347	0.00355	0.00366	0.00373	0.00382
3766938.31	0.00290	0.00298	0.00312	0.00328	0.00342	0.00356	0.00371	0.00423	0.00399
3765938.31	0.00280	0.00314	0.00307	0.00321	0.00339	0.00352	0.00379	0.00431	0.00416
3764938.31	0.00268	0.00294	0.00308	0.00313	0.00328	0.00345	0.00367	0.00397	0.00420
3763938.31	0.00255	0.00290	0.00282	0.00298	0.00313	0.00334	0.00358	0.00387	0.00420
3762938.31	0.00244	0.00256	0.00269	0.00282	0.00301	0.00323	0.00347	0.00377	0.00413
3761938.31	0.00239	0.00248	0.00260	0.00273	0.00291	0.00310	0.00335	0.00364	0.00402
3760938.31	0.00240	0.00249	0.00259	0.00276	0.00288	0.00304	0.00326	0.00352	0.00390
3759938.31	0.00243	0.00252	0.00275	0.00277	0.00291	0.00306	0.00324	0.00347	0.00375
3758938.31	0.00243	0.00254	0.00267	0.00281	0.00295	0.00311	0.00329	0.00350	0.00374
3757938.31	0.00247	0.00257	0.00269	0.00287	0.00297	0.00311	0.00331	0.00357	0.00382
3756938.31	0.00246	0.00258	0.00270	0.00285	0.00302	0.00323	0.00341	0.00358	0.00384
3755938.31	0.00242	0.00255	0.00267	0.00282	0.00300	0.00327	0.00351	0.00383	0.00394
3754938.31	0.00237	0.00250	0.00263	0.00279	0.00298	0.00330	0.00354	0.00386	0.00420
3753938.31	0.00239	0.00251	0.00264	0.00279	0.00302	0.00328	0.00354	0.00393	0.00429
3752938.31	0.00243	0.00255	0.00271	0.00287	0.00309	0.00338	0.00370	0.00402	0.00431
3751938.31	0.00247	0.00258	0.00271	0.00290	0.00312	0.00338	0.00364	0.00393	0.00420
3750938.31	0.00246	0.00258	0.00273	0.00287	0.00300	0.00327	0.00359	0.00379	0.00401
3749938.31	0.00238	0.00246	0.00265	0.00286	0.00296	0.00306	0.00326	0.00344	0.00338
3748938.31	0.00228	0.00224	0.00237	0.00254	0.00268	0.00280	0.00296	0.00270	0.00297
3747938.31	0.00213	0.00222	0.00217	0.00226	0.00241	0.00229	0.00240	0.00249	0.00273
3746938.31	0.00200	0.00213	0.00217	0.00214	0.00227	0.00241	0.00250	0.00261	0.00275
3745938.31	0.00189	0.00200	0.00203	0.00204	0.00208	0.00220	0.00235	0.00234	0.00243
3744938.31	0.00176	0.00184	0.00188	0.00194	0.00204	0.00221	0.00195	0.00233	0.00251
3743938.31	0.00166	0.00172	0.00182	0.00195	0.00209	0.00228	0.00253	0.00279	0.00307
3742938.31	0.00167	0.00179	0.00195	0.00192	0.00207	0.00225	0.00275	0.00258	0.00261
3741938.31	0.00182	0.00152	0.00166	0.00186	0.00177	0.00211	0.00207	0.00189	0.00249

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
*** PM10 Annual Emissions - 15 hour day *** 15:16:19
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): NMGCON2017 , MGCON2017 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	0.00388	0.00398	0.00416	0.00432	0.00454	0.00478	0.00498	0.00515	0.00528
3766938.31	0.00415	0.00435	0.00447	0.00456	0.00494	0.00527	0.00534	0.00560	0.00577
3765938.31	0.00438	0.00464	0.00513	0.00488	0.00525	0.00574	0.00612	0.00626	0.00654
3764938.31	0.00450	0.00487	0.00424	0.00561	0.00549	0.00607	0.00619	0.00621	0.00671
3763938.31	0.00458	0.00495	0.00558	0.00574	0.00596	0.00624	0.00657	0.00654	0.00601
3762938.31	0.00452	0.00496	0.00543	0.00591	0.00638	0.00651	0.00720	0.00742	0.00761
3761938.31	0.00467	0.00474	0.00500	0.00619	0.00558	0.00508	0.00566	0.00665	0.00816
3760938.31	0.00444	0.00514	0.00451	0.00483	0.00594	0.00596	0.00560	0.00604	0.00733
3759938.31	0.00413	0.00458	0.00407	0.00408	0.00555	0.00685	0.00731	0.00635	0.00787
3758938.31	0.00409	0.00456	0.00362	0.00384	0.00516	0.00664	0.00760	0.00833	0.00863
3757938.31	0.00426	0.00469	0.00497	0.00375	0.00415	0.00611	0.00745	0.00841	0.00906
3756938.31	0.00432	0.00488	0.00528	0.00552	0.00438	0.00606	0.00730	0.00840	0.00946
3755938.31	0.00455	0.00501	0.00528	0.00586	0.00608	0.00675	0.00765	0.00863	0.00986
3754938.31	0.00454	0.00492	0.00532	0.00582	0.00643	0.00714	0.00788	0.00895	0.01029
3753938.31	0.00455	0.00473	0.00520	0.00570	0.00627	0.00703	0.00792	0.00901	0.01041
3752938.31	0.00439	0.00490	0.00524	0.00566	0.00624	0.00693	0.00777	0.00882	0.01019
3751938.31	0.00437	0.00463	0.00510	0.00559	0.00607	0.00668	0.00742	0.00833	0.00951
3750938.31	0.00404	0.00424	0.00465	0.00509	0.00545	0.00588	0.00645	0.00711	0.00802
3749938.31	0.00340	0.00357	0.00389	0.00443	0.00473	0.00509	0.00553	0.00616	0.00700
3748938.31	0.00307	0.00327	0.00351	0.00386	0.00426	0.00461	0.00514	0.00591	0.00699
3747938.31	0.00280	0.00296	0.00316	0.00344	0.00412	0.00462	0.00531	0.00621	0.00723
3746938.31	0.00255	0.00287	0.00317	0.00343	0.00413	0.00493	0.00555	0.00623	0.00680
3745938.31	0.00245	0.00301	0.00345	0.00388	0.00434	0.00502	0.00540	0.00573	0.00607
3744938.31	0.00294	0.00331	0.00366	0.00399	0.00416	0.00475	0.00492	0.00512	0.00547
3743938.31	0.00338	0.00338	0.00362	0.00381	0.00395	0.00432	0.00444	0.00467	0.00511
3742938.31	0.00293	0.00309	0.00323	0.00335	0.00354	0.00395	0.00411	0.00437	0.00498
3741938.31	0.00244	0.00259	0.00277	0.00292	0.00304	0.00314	0.00367	0.00428	0.00503

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
*** PM10 Annual Emissions - 15 hour day *** 15:16:19
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): NMGCON2017 , MGCON2017 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	0.00550	0.00579	0.00609	0.00643	0.00692	0.00764	0.00853	0.00905	0.00919
3766938.31	0.00587	0.00629	0.00659	0.00700	0.00757	0.00833	0.00924	0.00947	0.00953
3765938.31	0.00667	0.00660	0.00728	0.00770	0.00834	0.00862	0.00930	0.00991	0.00960
3764938.31	0.00736	0.00749	0.00754	0.00827	0.00888	0.00906	0.00942	0.01008	0.00995
3763938.31	0.00687	0.00837	0.00862	0.00890	0.00958	0.01029	0.00944	0.00999	0.01036
3762938.31	0.00666	0.00712	0.00955	0.00983	0.01070	0.01171	0.01216	0.01327	0.01281
3761938.31	0.00718	0.00703	0.00912	0.00955	0.01136	0.01322	0.01442	0.01430	0.01463
3760938.31	0.00817	0.00749	0.00797	0.00918	0.01024	0.01193	0.01624	0.01878	0.01924
3759938.31	0.00761	0.00842	0.00890	0.00959	0.01082	0.01266	0.01616	0.01963	0.02091
3758938.31	0.00804	0.00887	0.01035	0.01121	0.01222	0.01426	0.01647	0.01811	0.02134
3757938.31	0.00884	0.00955	0.01095	0.01364	0.01500	0.01774	0.01964	0.02254	0.02592
3756938.31	0.01021	0.01152	0.01248	0.01449	0.02010	0.02317	0.02719	0.03182	0.03674
3755938.31	0.01111	0.01293	0.01575	0.02012	0.02415	0.03030	0.03997	0.05475	0.06828

3754938.31	0.01200	0.01404	0.01762	0.02199	0.02945	0.03997	0.05911	0.09192	0.66830
3753938.31	0.01223	0.01477	0.01830	0.02354	0.03061	0.04958	0.09262	0.18469	0.31471
3752938.31	0.01187	0.01439	0.01796	0.02358	0.03342	0.05440	0.13588	2.52762	3.02737
3751938.31	0.01099	0.01297	0.01573	0.01984	0.02646	0.04270	0.09984	0.17150	0.39682
3750938.31	0.00910	0.01067	0.01286	0.01706	0.02466	0.03239	0.04218	0.06254	0.12007
3749938.31	0.00826	0.01012	0.01328	0.01621	0.02049	0.02402	0.03399	0.05811	0.09330
3748938.31	0.00848	0.01028	0.01182	0.00813	0.01666	0.03176	0.04431	0.05509	0.05562
3747938.31	0.00826	0.00935	0.00643	0.00788	0.01964	0.02879	0.03605	0.04142	0.03221
3746938.31	0.00739	0.00831	0.01009	0.01347	0.01926	0.02539	0.02988	0.03001	0.03347
3745938.31	0.00660	0.00756	0.00963	0.01357	0.01842	0.02254	0.02320	0.01578	0.02517
3744938.31	0.00610	0.00739	0.00978	0.01335	0.01729	0.02000	0.01206	0.02091	0.02025
3743938.31	0.00595	0.00756	0.01005	0.01312	0.01632	0.01018	0.01769	0.01696	0.01680
3742938.31	0.00608	0.00781	0.01020	0.01276	0.01463	0.01522	0.01484	0.01439	0.01413
3741938.31	0.00631	0.00812	0.01019	0.01213	0.01327	0.01329	0.01283	0.01238	0.01222

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): NMGCON2017 , MGCON2017 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	0.00894	0.00825	0.00739	0.00724	0.00728	0.00557	0.00712	0.00682	0.00636
3766938.31	0.00853	0.00815	0.00771	0.00798	0.00807	0.00800	0.00777	0.00722	0.00664
3765938.31	0.00891	0.00864	0.00904	0.00949	0.00932	0.00895	0.00819	0.00763	0.00690
3764938.31	0.00982	0.01003	0.01030	0.01060	0.01035	0.00945	0.00882	0.00798	0.00748
3763938.31	0.01086	0.01103	0.01205	0.01144	0.01129	0.01029	0.00943	0.00861	0.00806
3762938.31	0.01419	0.01411	0.01358	0.01306	0.01196	0.01120	0.01009	0.00941	0.00872
3761938.31	0.01365	0.01405	0.01419	0.01403	0.01320	0.01209	0.01120	0.01025	0.00972
3760938.31	0.01684	0.01638	0.01674	0.01580	0.01471	0.01377	0.01244	0.01171	0.01098
3759938.31	0.02351	0.02398	0.02123	0.01907	0.01722	0.01570	0.01456	0.01358	0.01316
3758938.31	0.02249	0.02410	0.02488	0.02215	0.02148	0.01917	0.01763	0.01669	0.01621
3757938.31	0.02895	0.02960	0.02851	0.02645	0.02466	0.02379	0.02190	0.02048	0.01883
3756938.31	0.04077	0.04093	0.03895	0.03557	0.03241	0.03028	0.02800	0.02506	0.02308
3755938.31	0.07548	0.06887	0.05998	0.05231	0.04642	0.04028	0.03579	0.03216	0.02826
3754938.31	0.42039	0.15718	0.11184	0.08701	0.06857	0.05804	0.04788	0.04013	0.03477
3753938.31	1.25803	0.75790	0.30373	0.16322	0.12053	0.08456	0.06919	0.05239	0.04157
3752938.31	3.07371	2.37006	2.17999	0.48372	0.30178	0.14904	0.10216	0.06854	0.04895
3751938.31	0.66337	0.64416	0.60946	0.53366	0.36862	0.19542	0.13230	0.08675	0.05968
3750938.31	0.20593	0.24024	0.25359	0.24438	0.24330	0.22045	0.17607	0.11120	0.06899
3749938.31	0.10357	0.11774	0.12957	0.13796	0.14492	0.14916	0.14297	0.08116	0.07283
3748938.31	0.06751	0.07137	0.07713	0.08386	0.08939	0.09417	0.09723	0.08157	0.05807
3747938.31	0.04671	0.04926	0.05260	0.05664	0.05933	0.06258	0.06684	0.07077	0.07120
3746938.31	0.03426	0.03840	0.03911	0.04131	0.04286	0.04495	0.04737	0.05064	0.05424
3745938.31	0.02629	0.02838	0.03053	0.03222	0.03331	0.03380	0.03519	0.03728	0.04012
3744938.31	0.02103	0.02286	0.02456	0.02601	0.02692	0.02711	0.02750	0.02869	0.03044
3743938.31	0.01741	0.01882	0.02040	0.02168	0.02296	0.02311	0.02252	0.02302	0.02410
3742938.31	0.01470	0.01589	0.01738	0.01873	0.01696	0.01103	0.01193	0.01931	0.01990
3741938.31	0.01263	0.01360	0.01497	0.01298	0.01104	0.00987	0.00960	0.01632	0.01690

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): NMGCON2017 , MGCON2017 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	0.00585	0.00459	0.00425	0.00381	0.00298	0.00229	0.00191	0.00150	0.00120
3766938.31	0.00612	0.00491	0.00428	0.00400	0.00293	0.00142	0.00145	0.00146	0.00148
3765938.31	0.00658	0.00503	0.00354	0.00383	0.00316	0.00184	0.00165	0.00166	0.00200
3764938.31	0.00699	0.00576	0.00521	0.00505	0.00361	0.00271	0.00269	0.00277	0.00233
3763938.31	0.00755	0.00719	0.00632	0.00593	0.00540	0.00424	0.00408	0.00432	0.00344
3762938.31	0.00828	0.00784	0.00691	0.00650	0.00630	0.00601	0.00549	0.00499	0.00435
3761938.31	0.00919	0.00897	0.00795	0.00581	0.00716	0.00639	0.00637	0.00603	0.00536
3760938.31	0.01071	0.01051	0.00939	0.00877	0.00807	0.00785	0.00733	0.00704	0.00643
3759938.31	0.01281	0.01227	0.01150	0.01077	0.01020	0.00928	0.00872	0.00805	0.00747
3758938.31	0.01499	0.01388	0.01304	0.01236	0.01167	0.01103	0.01047	0.00949	0.00857
3757938.31	0.01752	0.01635	0.01521	0.01421	0.01335	0.01251	0.01170	0.01093	0.00979
3756938.31	0.02112	0.01920	0.01759	0.01619	0.01491	0.01382	0.01293	0.01216	0.01149
3755938.31	0.02521	0.02263	0.02048	0.01869	0.01717	0.01580	0.01452	0.01337	0.01233
3754938.31	0.03026	0.02653	0.02337	0.02083	0.01866	0.01688	0.01537	0.01412	0.01306
3753938.31	0.03507	0.03018	0.02634	0.02323	0.02073	0.01866	0.01695	0.01550	0.01427
3752938.31	0.04073	0.03419	0.02944	0.02562	0.02275	0.02031	0.01834	0.01669	0.01527
3751938.31	0.04849	0.04055	0.03398	0.02932	0.02587	0.02285	0.02045	0.01862	0.01699
3750938.31	0.05720	0.04687	0.03831	0.03309	0.02881	0.02536	0.02251	0.02031	0.01819
3749938.31	0.08131	0.05776	0.04339	0.03675	0.03201	0.02788	0.02487	0.02235	0.02022
3748938.31	0.06211	0.06315	0.04736	0.03984	0.03504	0.03128	0.02755	0.02514	0.02216
3747938.31	0.04880	0.06397	0.04377	0.04074	0.03570	0.03157	0.03009	0.02758	0.02590
3746938.31	0.05684	0.05611	0.03534	0.03422	0.03488	0.03170	0.03164	0.03064	0.02741
3745938.31	0.04291	0.04526	0.04223	0.03827	0.03564	0.03801	0.03151	0.02555	0.02360
3744938.31	0.03259	0.03463	0.03653	0.03835	0.02252	0.02322	0.02340	0.02081	0.02062
3743938.31	0.02553	0.02720	0.02889	0.03054	0.03026	0.01887	0.01744	0.01833	0.01709
3742938.31	0.02071	0.02193	0.02333	0.02483	0.02635	0.02210	0.01619	0.01490	0.01406
3741938.31	0.01740	0.01818	0.01918	0.02043	0.02171	0.02298	0.02414	0.01543	0.01336

**MODELOPTs: NonDFAULT CONC ELEV

FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): NMGCON2017 , MGCON2017 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	0.04493	0.04648	0.04867	0.04978	0.05086	0.05384	0.05637	0.05923	0.06137
3754534.43	0.04572	0.04725	0.05008	0.05193	0.05363	0.05484	0.05796	0.06033	0.06336
3754434.43	0.04649	0.04863	0.05092	0.05326	0.05478	0.05753	0.05997	0.06278	0.06598
3754334.43	0.04738	0.04958	0.05166	0.05394	0.05676	0.05967	0.06281	0.06509	0.06861
3754234.43	0.04805	0.05009	0.05269	0.05537	0.05824	0.06110	0.06494	0.06813	0.07175
3754134.43	0.04818	0.05121	0.05377	0.05670	0.06011	0.06370	0.06688	0.06991	0.07500
3754034.43	0.04866	0.05238	0.05513	0.05829	0.06161	0.06513	0.06971	0.07238	0.07802
3753934.43	0.04953	0.05317	0.05598	0.05924	0.06260	0.06707	0.07158	0.07551	0.08056
3753834.43	0.05117	0.05412	0.05754	0.06045	0.06469	0.06875	0.07313	0.07838	0.08441
3753734.43	0.05215	0.05517	0.05865	0.06226	0.06640	0.07101	0.07502	0.08092	0.08703
3753634.43	0.05305	0.05593	0.05999	0.06369	0.06794	0.07264	0.07778	0.08351	0.09003
3753534.43	0.05388	0.05724	0.06085	0.06456	0.06909	0.07431	0.07991	0.08627	0.09321
3753434.43	0.05457	0.05789	0.06157	0.06574	0.07031	0.07564	0.08175	0.08861	0.09631
3753334.43	0.05496	0.05842	0.06231	0.06661	0.07146	0.07692	0.08332	0.09065	0.09914
3753234.43	0.05526	0.05878	0.06274	0.06719	0.07223	0.07811	0.08463	0.09265	0.10164
3753134.43	0.05535	0.05890	0.06286	0.06737	0.07267	0.07866	0.08565	0.09389	0.10365
3753034.43	0.05505	0.05858	0.06266	0.06721	0.07256	0.07865	0.08597	0.09443	0.10487
3752934.43	0.05434	0.05786	0.06202	0.06638	0.07186	0.07793	0.08530	0.09416	0.10471
3752834.43	0.05376	0.05709	0.06105	0.06546	0.07065	0.07660	0.08391	0.09330	0.10363
3752734.43	0.05261	0.05604	0.05954	0.06384	0.06886	0.07523	0.08175	0.09089	0.10183
3752634.43	0.05145	0.05438	0.05827	0.06234	0.06700	0.07377	0.08073	0.08891	0.09930
3752534.43	0.04979	0.05274	0.05573	0.06036	0.06484	0.07059	0.07777	0.08556	0.09660
3752434.43	0.04807	0.05143	0.05467	0.05864	0.06298	0.06773	0.07552	0.08258	0.09397
3752334.43	0.04657	0.04972	0.05299	0.05658	0.06122	0.06634	0.07311	0.08063	0.09100
3752234.43	0.04512	0.04806	0.05180	0.05523	0.05944	0.06335	0.07108	0.07795	0.08806
3752134.43	0.04407	0.04721	0.05044	0.05417	0.05850	0.06319	0.06923	0.07733	0.08731
3752034.43	0.04370	0.04658	0.04918	0.05295	0.05756	0.06181	0.06806	0.07585	0.08561
3751934.43	0.04264	0.04551	0.04878	0.05216	0.05622	0.06131	0.06766	0.07489	0.08262
3751834.43	0.04214	0.04507	0.04822	0.05196	0.05557	0.06079	0.06688	0.07242	0.07909
3751734.43	0.04222	0.04495	0.04837	0.05180	0.05553	0.06022	0.06483	0.07059	0.07515
3751634.43	0.04205	0.04486	0.04776	0.05108	0.05408	0.05929	0.06296	0.06641	0.06438
3751534.43	0.04169	0.04426	0.04609	0.04908	0.05215	0.05646	0.05834	0.05228	0.04497
3751434.43	0.04071	0.04268	0.04476	0.04713	0.05007	0.04986	0.04481	0.03966	0.03947
3751334.43	0.03983	0.04179	0.04371	0.04481	0.04765	0.04578	0.03821	0.03537	0.03860
3751234.43	0.03889	0.04044	0.04154	0.04258	0.04259	0.03860	0.03476	0.03478	0.03846
3751134.43	0.03755	0.03958	0.04085	0.03556	0.03569	0.03436	0.03436	0.03501	0.03855
3751034.43	0.03645	0.03760	0.03420	0.02802	0.03205	0.03194	0.03223	0.03442	0.03788
3750934.43	0.03214	0.03403	0.02669	0.02644	0.02836	0.02988	0.03122	0.03390	0.03705

*** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
*** PM10 Annual Emissions - 15 hour day *** 15:16:19
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**MODELOPTS: NonDFAULT CONC ELEV

FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): NMGCON2017 , MGCON2017 ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	0.06384
3754534.43	0.06728
3754434.43	0.06894
3754334.43	0.07174
3754234.43	0.07544
3754134.43	0.07880
3754034.43	0.08295
3753934.43	0.08618
3753834.43	0.09011
3753734.43	0.09363
3753634.43	0.09738
3753534.43	0.10107
3753434.43	0.10528
3753334.43	0.10918
3753234.43	0.11313
3753134.43	0.11579
3753034.43	0.11786
3752934.43	0.11755
3752834.43	0.11828
3752734.43	0.11654
3752634.43	0.11456
3752534.43	0.11116
3752434.43	0.10793
3752334.43	0.10373
3752234.43	0.10195
3752134.43	0.09940
3752034.43	0.09475
3751934.43	0.09200
3751834.43	0.08357
3751734.43	0.07569
3751634.43	0.05636
3751534.43	0.04543
3751434.43	0.04393
3751334.43	0.04333
3751234.43	0.04299
3751134.43	0.04235
3751034.43	0.04123
3750934.43	0.03987

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
*** PM10 Annual Emissions - 15 hour day *** 15:16:19
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): NMGCON2017 , MGCON2017 ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	0.11542	0.12833	0.14301	0.16094
3753334.90	0.12142	0.13585	0.15372	0.17673
3753234.90	0.12630	0.14324	0.16614	0.19598
3753134.90	0.13015	0.15035	0.17844	0.21841
3753034.90	0.13346	0.15586	0.18784	0.24556
3752934.90	0.13530	0.15915	0.19443	0.26330
3752834.90	0.13703	0.16176	0.20316	0.28048
3752734.90	0.13707	0.16348	0.20595	0.28542
3752634.90	0.13412	0.16219	0.20591	0.28805
3752534.90	0.13066	0.15695	0.19990	0.28826
3752434.90	0.12574	0.15153	0.19696	0.28932
3752334.90	0.12221	0.14775	0.18942	0.26407
3752234.90	0.11844	0.14021	0.17662	0.23446
3752134.90	0.11299	0.13396	0.16537	0.21273
3752034.90	0.10683	0.12659	0.15075	0.16432
3751934.90	0.09914	0.11829	0.13226	0.13357
3751834.90	0.09318	0.09507	0.10021	0.09730
3751734.90	0.07881	0.08944	0.08090	0.08250
3751634.90	0.05991	0.06457	0.07077	0.07591
3751534.90	0.05206	0.05913	0.06543	0.07048
3751434.90	0.04995	0.05611	0.06112	0.06529
3751334.90	0.04864	0.05352	0.05743	0.06059
3751234.90	0.04735	0.05092	0.05405	0.05637
3751134.90	0.04573	0.04849	0.05099	0.05270
3751034.90	0.04391	0.04609	0.04819	0.04960
3750934.90	0.04205	0.04388	0.04563	0.04684

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
*** PM10 Annual Emissions - 15 hour day *** 15:16:19
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): NMGCON2017 , MGCON2017 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
485619.40	3753969.72	0.09507	485712.99	3753961.92	0.10140
487190.85	3754410.34	0.20334	487194.75	3754289.46	0.21127
487268.83	3754090.60	0.24340	487483.30	3754102.29	0.27143

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
*** PM10 Annual Emissions - 15 hour day *** 15:16:19
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 3 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	3.07371	AT (488553.03, 3752938.31, 476.00, 811.00, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	3.02737	AT (487553.03, 3752938.31, 479.60, 811.00, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	2.52762	AT (486553.03, 3752938.31, 487.40, 811.00, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	2.37006	AT (489553.03, 3752938.31, 484.00, 777.00, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	2.17999	AT (490553.03, 3752938.31, 483.20, 575.00, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	1.25803	AT (488553.03, 3753938.31, 497.80, 777.00, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	0.75790	AT (489553.03, 3753938.31, 504.20, 569.00, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	0.66830	AT (487553.03, 3754938.31, 526.30, 528.00, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	0.66337	AT (488553.03, 3751938.31, 461.80, 811.00, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	0.64416	AT (489553.03, 3751938.31, 464.20, 777.00, 0.00)	GC	UCART1

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

♀ *** AERMOD - VERSION 12060 *** *** WLC Construction Area - 2017 *** 12/06/12
*** PM10 Annual Emissions - 15 hour day *** 15:16:19
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 117 Informational Message(s)

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A Total of        26280 Hours Were Processed

A Total of            0 Calm Hours Identified

A Total of          117 Missing Hours Identified (  0.45 Percent)

   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***

   ********   WARNING MESSAGES   ********
ME W530     126 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

   ************************************
   *** AERMOD Finishes Successfully ***
   ************************************
```

WLC LST Construction Assessment - PM2.5 (24-hour average)

Year: 2017 (Unmitigated Emissions - 15 hour day)

Unit Emission Rate	1.00E-07	g/sec-m2
Actual Construction Emissions (Mass Grading:	1.88E-06	g/sec-m2
Actual Construction Emissions (Non Mass Grading):	2.20E-06	g/sec-m2

X(m)	Y(m)	Mass Grading 24hr Ave w/Unit Emissions (ug/m3)	Mass Grading 24hr Ave w/Actual Emissions (ug/m3)	Mass Grading 24hr Ave w/Unit Emissions (ug/m3)	Mass Grading 24hr Ave w/Actual Emissions (ug/m3)	Year: 2017 (Unmitigated Operational Emissions) X(m)	Y(m)	24hr Ave Operational (ug/m3)	Total 24hr Ave Construction and Operation (ug/m3)
461553	3741938	0.00262	0.05	0.00119	0.03	461553	3741938	0.02	0.0924
462553	3741938	0.00312	0.06	0.00135	0.03	462553	3741938	0.02	0.1097
463553	3741938	0.00342	0.06	0.00157	0.03	463553	3741938	0.02	0.1168
464553	3741938	0.00472	0.09	0.00197	0.04	464553	3741938	0.02	0.1535
465553	3741938	0.00487	0.09	0.00219	0.05	465553	3741938	0.02	0.1613
466553	3741938	0.00491	0.09	0.00233	0.05	466553	3741938	0.03	0.1692
467553	3741938	0.00388	0.07	0.00176	0.04	467553	3741938	0.02	0.1336
468553	3741938	0.00368	0.07	0.00164	0.04	468553	3741938	0.02	0.1213
469553	3741938	0.00401	0.08	0.00182	0.04	469553	3741938	0.02	0.1351
470553	3741938	0.00443	0.08	0.00185	0.04	470553	3741938	0.02	0.1415
471553	3741938	0.00454	0.09	0.00213	0.05	471553	3741938	0.02	0.1537
472553	3741938	0.00423	0.08	0.00208	0.05	472553	3741938	0.02	0.1488
473553	3741938	0.00934	0.18	0.00345	0.08	473553	3741938	0.02	0.2747
474553	3741938	0.00627	0.12	0.00382	0.08	474553	3741938	0.02	0.2241
475553	3741938	0.00537	0.10	0.00231	0.05	475553	3741938	0.03	0.1798
476553	3741938	0.00496	0.09	0.00231	0.05	476553	3741938	0.02	0.1684
477553	3741938	0.00775	0.15	0.00227	0.05	477553	3741938	0.02	0.2185
478553	3741938	0.01167	0.22	0.00486	0.11	478553	3741938	0.02	0.3482
479553	3741938	0.00857	0.16	0.00483	0.11	479553	3741938	0.03	0.2934
480553	3741938	0.00905	0.17	0.00395	0.09	480553	3741938	0.03	0.2857
481553	3741938	0.00783	0.15	0.00404	0.09	481553	3741938	0.03	0.2674
482553	3741938	0.00966	0.18	0.00348	0.08	482553	3741938	0.03	0.2903
483553	3741938	0.0079	0.15	0.00466	0.10	483553	3741938	0.04	0.2868
484553	3741938	0.00861	0.16	0.00394	0.09	484553	3741938	0.04	0.2848
485553	3741938	0.01052	0.20	0.00488	0.11	485553	3741938	0.03	0.3391
486553	3741938	0.00854	0.16	0.00535	0.12	486553	3741938	0.04	0.3135
487553	3741938	0.00821	0.15	0.00327	0.07	487553	3741938	0.03	0.2605
488553	3741938	0.00776	0.15	0.00399	0.09	488553	3741938	0.04	0.2689
489553	3741938	0.00909	0.17	0.00326	0.07	489553	3741938	0.04	0.2797
490553	3741938	0.01242	0.23	0.00477	0.10	490553	3741938	0.04	0.3802
491553	3741938	0.00994	0.19	0.0064	0.14	491553	3741938	0.06	0.3918
492553	3741938	0.0071	0.13	0.0036	0.08	492553	3741938	0.05	0.2622
493553	3741938	0.00821	0.15	0.00329	0.07	493553	3741938	0.04	0.2657
494553	3741938	0.0076	0.14	0.004	0.09	494553	3741938	0.03	0.2651
495553	3741938	0.00767	0.14	0.00584	0.13	495553	3741938	0.05	0.3262
496553	3741938	0.00788	0.15	0.0031	0.07	496553	3741938	0.03	0.2485
497553	3741938	0.00764	0.14	0.00372	0.08	497553	3741938	0.03	0.2577
498553	3741938	0.00699	0.13	0.0034	0.07	498553	3741938	0.03	0.2370
499553	3741938	0.00642	0.12	0.0033	0.07	499553	3741938	0.03	0.2235
500553	3741938	0.00579	0.11	0.0029	0.06	500553	3741938	0.03	0.2010
501553	3741938	0.00518	0.10	0.00273	0.06	501553	3741938	0.03	0.1827
502553	3741938	0.00656	0.12	0.00245	0.05	502553	3741938	0.03	0.2020
503553	3741938	0.00721	0.14	0.00314	0.07	503553	3741938	0.02	0.2279
504553	3741938	0.0049	0.09	0.00292	0.06	504553	3741938	0.03	0.1822
505553	3741938	0.00425	0.08	0.00169	0.04	505553	3741938	0.02	0.1345
461553	3742938	0.00245	0.05	0.0011	0.02	461553	3742938	0.02	0.0871
462553	3742938	0.00263	0.05	0.00119	0.03	462553	3742938	0.02	0.0932
463553	3742938	0.00281	0.05	0.00127	0.03	463553	3742938	0.02	0.0991
464553	3742938	0.00291	0.05	0.00128	0.03	464553	3742938	0.02	0.1051
465553	3742938	0.00352	0.07	0.00149	0.03	465553	3742938	0.02	0.1211
466553	3742938	0.00483	0.09	0.00206	0.05	466553	3742938	0.02	0.1577
467553	3742938	0.00488	0.09	0.00216	0.05	467553	3742938	0.02	0.1584
468553	3742938	0.00615	0.12	0.00278	0.06	468553	3742938	0.03	0.2034
469553	3742938	0.00543	0.10	0.00246	0.05	469553	3742938	0.03	0.1829
470553	3742938	0.00473	0.09	0.00234	0.05	470553	3742938	0.03	0.1679
471553	3742938	0.00505	0.09	0.002	0.04	471553	3742938	0.02	0.1618
472553	3742938	0.00572	0.11	0.00259	0.06	472553	3742938	0.02	0.1866
473553	3742938	0.00455	0.09	0.00211	0.05	473553	3742938	0.02	0.1543
474553	3742938	0.00868	0.16	0.0031	0.07	474553	3742938	0.02	0.2552
475553	3742938	0.00601	0.11	0.00292	0.06	475553	3742938	0.02	0.1974
476553	3742938	0.00438	0.08	0.00209	0.05	476553	3742938	0.02	0.1507
477553	3742938	0.00458	0.09	0.00209	0.05	477553	3742938	0.02	0.1562
478553	3742938	0.01002	0.19	0.00307	0.07	478553	3742938	0.03	0.2807
479553	3742938	0.01267	0.24	0.00586	0.13	479553	3742938	0.03	0.3921
480553	3742938	0.00989	0.19	0.00439	0.10	480553	3742938	0.03	0.3125
481553	3742938	0.01014	0.19	0.0047	0.10	481553	3742938	0.03	0.3271
482553	3742938	0.00861	0.16	0.00409	0.09	482553	3742938	0.04	0.2878
483553	3742938	0.00988	0.19	0.0053	0.12	483553	3742938	0.04	0.3401
484553	3742938	0.01007	0.19	0.00441	0.10	484553	3742938	0.04	0.3267
485553	3742938	0.01225	0.23	0.00525	0.12	485553	3742938	0.04	0.3829
486553	3742938	0.00949	0.18	0.00595	0.13	486553	3742938	0.04	0.3485
487553	3742938	0.00946	0.18	0.00364	0.08	487553	3742938	0.04	0.2962
488553	3742938	0.00791	0.15	0.00456	0.10	488553	3742938	0.04	0.2882
489553	3742938	0.01201	0.23	0.00412	0.09	489553	3742938	0.04	0.3577
490553	3742938	0.01357	0.25	0.00617	0.14	490553	3742938	0.04	0.4342
491553	3742938	0.01	0.19	0.00563	0.12	491553	3742938	0.05	0.3610
492553	3742938	0.01312	0.25	0.00482	0.11	492553	3742938	0.06	0.4138

493553	3742938	0.00734	0.14	0.00445	0.10	493553	3742938	0.04	0.2753
494553	3742938	0.00732	0.14	0.00525	0.12	494553	3742938	0.04	0.2948
495553	3742938	0.00874	0.16	0.0034	0.07	495553	3742938	0.04	0.2787
496553	3742938	0.00844	0.16	0.00415	0.09	496553	3742938	0.04	0.2858
497553	3742938	0.00768	0.14	0.00371	0.08	497553	3742938	0.04	0.2608
498553	3742938	0.00666	0.12	0.00358	0.08	498553	3742938	0.03	0.2377
499553	3742938	0.00617	0.12	0.00293	0.06	499553	3742938	0.03	0.2118
500553	3742938	0.00646	0.12	0.00286	0.06	500553	3742938	0.03	0.2122
501553	3742938	0.00771	0.14	0.00312	0.07	501553	3742938	0.03	0.2407
502553	3742938	0.00859	0.16	0.00459	0.10	502553	3742938	0.04	0.3000
503553	3742938	0.00532	0.10	0.00226	0.05	503553	3742938	0.02	0.1719
504553	3742938	0.00514	0.10	0.00202	0.04	504553	3742938	0.02	0.1591
505553	3742938	0.00412	0.08	0.0017	0.04	505553	3742938	0.02	0.1375
461553	3743938	0.00208	0.04	0.00095	0.02	461553	3743938	0.02	0.0760
462553	3743938	0.0023	0.04	0.00103	0.02	462553	3743938	0.02	0.0830
463553	3743938	0.00257	0.05	0.00115	0.03	463553	3743938	0.02	0.0918
464553	3743938	0.00283	0.05	0.00127	0.03	464553	3743938	0.02	0.1003
465553	3743938	0.00302	0.06	0.00136	0.03	465553	3743938	0.02	0.1064
466553	3743938	0.00314	0.06	0.00142	0.03	466553	3743938	0.02	0.1103
467553	3743938	0.00392	0.07	0.00169	0.04	467553	3743938	0.02	0.1310
468553	3743938	0.00478	0.09	0.00208	0.05	468553	3743938	0.02	0.1554
469553	3743938	0.00546	0.10	0.00241	0.05	469553	3743938	0.02	0.1768
470553	3743938	0.00581	0.11	0.00261	0.06	470553	3743938	0.02	0.1908
471553	3743938	0.00612	0.11	0.00288	0.06	471553	3743938	0.03	0.2060
472553	3743938	0.00469	0.09	0.00236	0.05	472553	3743938	0.03	0.1678
473553	3743938	0.00593	0.11	0.00252	0.06	473553	3743938	0.03	0.1925
474553	3743938	0.00539	0.10	0.00276	0.06	474553	3743938	0.02	0.1864
475553	3743938	0.00656	0.12	0.00257	0.06	475553	3743938	0.02	0.2023
476553	3743938	0.00687	0.13	0.00324	0.07	476553	3743938	0.02	0.2226
477553	3743938	0.005	0.09	0.00244	0.05	477553	3743938	0.02	0.1720
478553	3743938	0.00524	0.10	0.0024	0.05	478553	3743938	0.03	0.1781
479553	3743938	0.01303	0.24	0.00421	0.09	479553	3743938	0.03	0.3648
480553	3743938	0.01268	0.24	0.00669	0.15	480553	3743938	0.03	0.4158
481553	3743938	0.01197	0.22	0.00521	0.11	481553	3743938	0.04	0.3742
482553	3743938	0.01023	0.19	0.00537	0.12	482553	3743938	0.04	0.3496
483553	3743938	0.019	0.36	0.00628	0.14	483553	3743938	0.05	0.5397
484553	3743938	0.00911	0.17	0.00304	0.07	484553	3743938	0.03	0.2705
485553	3743938	0.01467	0.28	0.00567	0.12	485553	3743938	0.04	0.4437
486553	3743938	0.0107	0.20	0.00673	0.15	486553	3743938	0.04	0.3933
487553	3743938	0.01118	0.21	0.00418	0.09	487553	3743938	0.04	0.3458
488553	3743938	0.00975	0.18	0.00514	0.11	488553	3743938	0.04	0.3402
489553	3743938	0.01561	0.29	0.00537	0.12	489553	3743938	0.05	0.4581
490553	3743938	0.01352	0.25	0.00741	0.16	490553	3743938	0.05	0.4672
491553	3743938	0.01029	0.19	0.00568	0.12	491553	3743938	0.05	0.3722
492553	3743938	0.01296	0.24	0.00568	0.12	492553	3743938	0.06	0.4249
493553	3743938	0.01061	0.20	0.00557	0.12	493553	3743938	0.06	0.3794
494553	3743938	0.00988	0.19	0.00429	0.09	494553	3743938	0.05	0.3291
495553	3743938	0.00942	0.18	0.00468	0.10	495553	3743938	0.04	0.3195
496553	3743938	0.00853	0.16	0.00411	0.09	496553	3743938	0.04	0.2905
497553	3743938	0.00682	0.13	0.00395	0.09	497553	3743938	0.04	0.2531
498553	3743938	0.00641	0.12	0.00328	0.07	498553	3743938	0.04	0.2280
499553	3743938	0.00808	0.15	0.00293	0.06	499553	3743938	0.03	0.2474
500553	3743938	0.00866	0.16	0.00385	0.08	500553	3743938	0.03	0.2772
501553	3743938	0.0094	0.18	0.00553	0.12	501553	3743938	0.04	0.3345
502553	3743938	0.00624	0.12	0.00269	0.06	502553	3743938	0.02	0.1999
503553	3743938	0.00566	0.11	0.00265	0.06	503553	3743938	0.02	0.1888
504553	3743938	0.00432	0.08	0.00284	0.06	504553	3743938	0.03	0.1718
505553	3743938	0.00542	0.10	0.00187	0.04	505553	3743938	0.03	0.1687
461553	3744938	0.00259	0.05	0.00118	0.03	461553	3744938	0.01	0.0892
462553	3744938	0.00237	0.04	0.00109	0.02	462553	3744938	0.02	0.0847
463553	3744938	0.00241	0.05	0.0011	0.02	463553	3744938	0.02	0.0869
464553	3744938	0.00235	0.04	0.00105	0.02	464553	3744938	0.02	0.0858
465553	3744938	0.00273	0.05	0.00122	0.03	465553	3744938	0.02	0.0981
466553	3744938	0.00312	0.06	0.00139	0.03	466553	3744938	0.02	0.1106
467553	3744938	0.00342	0.06	0.00157	0.03	467553	3744938	0.03	0.1332
468553	3744938	0.00353	0.07	0.00154	0.03	468553	3744938	0.03	0.1310
469553	3744938	0.00471	0.09	0.00208	0.05	469553	3744938	0.03	0.1662
470553	3744938	0.00635	0.12	0.00266	0.06	470553	3744938	0.03	0.2066
471553	3744938	0.0073	0.14	0.00318	0.07	471553	3744938	0.03	0.2337
472553	3744938	0.00801	0.15	0.00362	0.08	472553	3744938	0.03	0.2613
473553	3744938	0.00702	0.13	0.0034	0.07	473553	3744938	0.03	0.2412
474553	3744938	0.00706	0.13	0.00273	0.06	474553	3744938	0.03	0.2228
475553	3744938	0.00624	0.12	0.00286	0.06	475553	3744938	0.02	0.2043
476553	3744938	0.00676	0.13	0.00253	0.06	476553	3744938	0.03	0.2078
477553	3744938	0.00791	0.15	0.00358	0.08	477553	3744938	0.03	0.2527
478553	3744938	0.00588	0.11	0.00291	0.06	478553	3744938	0.03	0.2017
479553	3744938	0.00716	0.13	0.00281	0.06	479553	3744938	0.03	0.2265
480553	3744938	0.01672	0.31	0.00587	0.13	480553	3744938	0.03	0.4740
481553	3744938	0.01355	0.25	0.00723	0.16	481553	3744938	0.04	0.4501
482553	3744938	0.01412	0.26	0.00638	0.14	482553	3744938	0.04	0.4476
483553	3744938	0.01421	0.27	0.00552	0.12	483553	3744938	0.05	0.4345
484553	3744938	0.01353	0.25	0.0066	0.15	484553	3744938	0.05	0.4489
485553	3744938	0.01415	0.27	0.00435	0.10	485553	3744938	0.05	0.4146
486553	3744938	0.01255	0.24	0.00787	0.17	486553	3744938	0.05	0.4603
487553	3744938	0.01323	0.25	0.00483	0.11	487553	3744938	0.05	0.4051
488553	3744938	0.0139	0.26	0.00554	0.12	488553	3744938	0.05	0.4327
489553	3744938	0.01887	0.35	0.00756	0.17	489553	3744938	0.05	0.5743
490553	3744938	0.01292	0.24	0.00792	0.17	490553	3744938	0.06	0.4752
491553	3744938	0.01514	0.28	0.00513	0.11	491553	3744938	0.06	0.4566
492553	3744938	0.01283	0.24	0.00693	0.15	492553	3744938	0.06	0.4575

493553	3744938	0.01148	0.22	0.00545	0.12	493553	3744938	0.06	0.3961
494553	3744938	0.0108	0.20	0.00541	0.12	494553	3744938	0.05	0.3692
495553	3744938	0.00964	0.18	0.00465	0.10	495553	3744938	0.05	0.3293
496553	3744938	0.00785	0.15	0.00439	0.10	496553	3744938	0.04	0.2875
497553	3744938	0.00828	0.16	0.00373	0.08	497553	3744938	0.04	0.2782
498553	3744938	0.00984	0.18	0.00398	0.09	498553	3744938	0.04	0.3080
499553	3744938	0.01036	0.19	0.00463	0.10	499553	3744938	0.03	0.3299
500553	3744938	0.01067	0.20	0.00492	0.11	500553	3744938	0.03	0.3416
501553	3744938	0.00768	0.14	0.00347	0.08	501553	3744938	0.03	0.2480
502553	3744938	0.00585	0.11	0.00398	0.09	502553	3744938	0.03	0.2310
503553	3744938	0.00659	0.12	0.00274	0.06	503553	3744938	0.03	0.2162
504553	3744938	0.00457	0.09	0.00301	0.07	504553	3744938	0.03	0.1859
505553	3744938	0.00457	0.09	0.00221	0.05	505553	3744938	0.03	0.1691
461553	3745938	0.00292	0.05	0.00133	0.03	461553	3745938	0.01	0.0965
462553	3745938	0.00317	0.06	0.00144	0.03	462553	3745938	0.01	0.1053
463553	3745938	0.00316	0.06	0.00144	0.03	463553	3745938	0.02	0.1065
464553	3745938	0.00295	0.06	0.00134	0.03	464553	3745938	0.02	0.1016
465553	3745938	0.00262	0.05	0.00119	0.03	465553	3745938	0.02	0.0935
466553	3745938	0.00268	0.05	0.00122	0.03	466553	3745938	0.02	0.0973
467553	3745938	0.00287	0.05	0.00127	0.03	467553	3745938	0.02	0.1040
468553	3745938	0.00315	0.06	0.00138	0.03	468553	3745938	0.03	0.1160
469553	3745938	0.00354	0.07	0.00158	0.03	469553	3745938	0.04	0.1363
470553	3745938	0.00492	0.09	0.00204	0.04	470553	3745938	0.04	0.1758
471553	3745938	0.00531	0.10	0.0023	0.05	471553	3745938	0.04	0.1877
472553	3745938	0.00766	0.14	0.00315	0.07	472553	3745938	0.03	0.2478
473553	3745938	0.00996	0.19	0.0043	0.09	473553	3745938	0.04	0.3168
474553	3745938	0.01006	0.19	0.00457	0.10	474553	3745938	0.04	0.3294
475553	3745938	0.00707	0.13	0.00326	0.07	475553	3745938	0.03	0.2334
476553	3745938	0.00757	0.14	0.00335	0.07	476553	3745938	0.03	0.2438
477553	3745938	0.00699	0.13	0.00318	0.07	477553	3745938	0.03	0.2301
478553	3745938	0.00945	0.18	0.00407	0.09	478553	3745938	0.03	0.2967
479553	3745938	0.00711	0.13	0.0036	0.08	479553	3745938	0.03	0.2439
480553	3745938	0.01092	0.20	0.00339	0.07	480553	3745938	0.03	0.3144
481553	3745938	0.02052	0.39	0.00823	0.18	481553	3745938	0.04	0.6030
482553	3745938	0.01746	0.33	0.00743	0.16	482553	3745938	0.05	0.5362
483553	3745938	0.01494	0.28	0.00786	0.17	483553	3745938	0.05	0.5053
484553	3745938	0.0158	0.30	0.00816	0.18	484553	3745938	0.05	0.5300
485553	3745938	0.0268	0.50	0.00946	0.21	485553	3745938	0.07	0.7828
486553	3745938	0.01179	0.22	0.00946	0.21	486553	3745938	0.06	0.4852
487553	3745938	0.01552	0.29	0.00632	0.14	487553	3745938	0.06	0.4894
488553	3745938	0.02036	0.38	0.00573	0.13	488553	3745938	0.06	0.5687
489553	3745938	0.01974	0.37	0.01046	0.23	489553	3745938	0.06	0.6625
490553	3745938	0.01658	0.31	0.00798	0.18	490553	3745938	0.07	0.5545
491553	3745938	0.0158	0.30	0.00848	0.19	491553	3745938	0.07	0.5531
492553	3745938	0.01371	0.26	0.00706	0.16	492553	3745938	0.07	0.4854
493553	3745938	0.0127	0.24	0.00647	0.14	493553	3745938	0.06	0.4427
494553	3745938	0.01095	0.21	0.00538	0.12	494553	3745938	0.05	0.3772
495553	3745938	0.00885	0.17	0.00479	0.11	495553	3745938	0.05	0.3218
496553	3745938	0.01107	0.21	0.0041	0.09	496553	3745938	0.05	0.3455
497553	3745938	0.01194	0.22	0.00529	0.12	497553	3745938	0.04	0.3822
498553	3745938	0.01239	0.23	0.00557	0.12	498553	3745938	0.04	0.3939
499553	3745938	0.01435	0.27	0.00643	0.14	499553	3745938	0.05	0.4608
500553	3745938	0.01017	0.19	0.00677	0.15	500553	3745938	0.05	0.3946
501553	3745938	0.01024	0.19	0.00468	0.10	501553	3745938	0.06	0.3509
502553	3745938	0.00775	0.15	0.00554	0.12	502553	3745938	0.07	0.3333
503553	3745938	0.006	0.11	0.00347	0.08	503553	3745938	0.06	0.2464
504553	3745938	0.00585	0.11	0.00241	0.05	504553	3745938	0.04	0.2003
505553	3745938	0.00584	0.11	0.00265	0.06	505553	3745938	0.03	0.1999
461553	3746938	0.00196	0.04	0.0009	0.02	461553	3746938	0.01	0.0697
462553	3746938	0.00243	0.05	0.00112	0.02	462553	3746938	0.01	0.0836
463553	3746938	0.00281	0.05	0.00128	0.03	463553	3746938	0.01	0.0939
464553	3746938	0.00301	0.06	0.00137	0.03	464553	3746938	0.01	0.1002
465553	3746938	0.00338	0.06	0.00153	0.03	465553	3746938	0.02	0.1127
466553	3746938	0.00361	0.07	0.00164	0.04	466553	3746938	0.02	0.1218
467553	3746938	0.00354	0.07	0.0016	0.04	467553	3746938	0.02	0.1217
468553	3746938	0.00324	0.06	0.00147	0.03	468553	3746938	0.02	0.1153
469553	3746938	0.00318	0.06	0.00144	0.03	469553	3746938	0.02	0.1160
470553	3746938	0.00446	0.08	0.00195	0.04	470553	3746938	0.04	0.1630
471553	3746938	0.00445	0.08	0.00196	0.04	471553	3746938	0.04	0.1656
472553	3746938	0.00481	0.09	0.002	0.04	472553	3746938	0.04	0.1773
473553	3746938	0.00646	0.12	0.00299	0.07	473553	3746938	0.04	0.2317
474553	3746938	0.00945	0.18	0.00386	0.08	474553	3746938	0.04	0.3048
475553	3746938	0.00899	0.17	0.00388	0.09	475553	3746938	0.03	0.2862
476553	3746938	0.00915	0.17	0.00412	0.09	476553	3746938	0.03	0.2958
477553	3746938	0.0093	0.17	0.00396	0.09	477553	3746938	0.03	0.2953
478553	3746938	0.00905	0.17	0.00415	0.09	478553	3746938	0.03	0.2950
479553	3746938	0.01147	0.22	0.00462	0.10	479553	3746938	0.04	0.3525
480553	3746938	0.009	0.17	0.00465	0.10	480553	3746938	0.04	0.3081
481553	3746938	0.01756	0.33	0.00434	0.10	481553	3746938	0.04	0.4676
482553	3746938	0.02263	0.42	0.01134	0.25	482553	3746938	0.05	0.7220
483553	3746938	0.022	0.41	0.00957	0.21	483553	3746938	0.06	0.6800
484553	3746938	0.02181	0.41	0.00835	0.18	484553	3746938	0.06	0.6543
485553	3746938	0.0247	0.46	0.00952	0.21	485553	3746938	0.07	0.7390
486553	3746938	0.02223	0.42	0.01472	0.32	486553	3746938	0.07	0.8156
487553	3746938	0.01828	0.34	0.00866	0.19	487553	3746938	0.07	0.6057
488553	3746938	0.02858	0.54	0.00918	0.20	488553	3746938	0.08	0.8134
489553	3746938	0.01947	0.37	0.01312	0.29	489553	3746938	0.08	0.7293
490553	3746938	0.0216	0.41	0.00914	0.20	490553	3746938	0.08	0.6841
491553	3746938	0.01679	0.32	0.00905	0.20	491553	3746938	0.08	0.5974
492553	3746938	0.0154	0.29	0.008	0.18	492553	3746938	0.08	0.5444

493553	3746938	0.01244	0.23	0.00677	0.15	493553	3746938	0.06	0.4453
494553	3746938	0.01176	0.22	0.00522	0.11	494553	3746938	0.06	0.3954
495553	3746938	0.014	0.26	0.00566	0.12	495553	3746938	0.06	0.4432
496553	3746938	0.01488	0.28	0.0066	0.15	496553	3746938	0.05	0.4737
497553	3746938	0.01311	0.25	0.00697	0.15	497553	3746938	0.05	0.4446
498553	3746938	0.01305	0.24	0.00827	0.18	498553	3746938	0.06	0.4847
499553	3746938	0.00886	0.17	0.00462	0.10	499553	3746938	0.05	0.3157
500553	3746938	0.0062	0.12	0.00446	0.10	500553	3746938	0.05	0.2648
501553	3746938	0.00766	0.14	0.00352	0.08	501553	3746938	0.06	0.2799
502553	3746938	0.00744	0.14	0.00339	0.07	502553	3746938	0.05	0.2598
503553	3746938	0.00648	0.12	0.004	0.09	503553	3746938	0.05	0.2586
504553	3746938	0.00546	0.10	0.00332	0.07	504553	3746938	0.06	0.2344
505553	3746938	0.00524	0.10	0.0026	0.06	505553	3746938	0.05	0.2071
461553	3747938	0.00198	0.04	0.00087	0.02	461553	3747938	0.01	0.0710
462553	3747938	0.00201	0.04	0.00091	0.02	462553	3747938	0.02	0.0729
463553	3747938	0.00192	0.04	0.00086	0.02	463553	3747938	0.01	0.0695
464553	3747938	0.00192	0.04	0.00087	0.02	464553	3747938	0.01	0.0699
465553	3747938	0.00221	0.04	0.00102	0.02	465553	3747938	0.02	0.0790
466553	3747938	0.00324	0.06	0.00142	0.03	466553	3747938	0.02	0.1105
467553	3747938	0.00358	0.07	0.00159	0.03	467553	3747938	0.02	0.1196
468553	3747938	0.00453	0.09	0.00202	0.04	468553	3747938	0.02	0.1468
469553	3747938	0.00479	0.09	0.00214	0.05	469553	3747938	0.02	0.1538
470553	3747938	0.00509	0.10	0.00226	0.05	470553	3747938	0.02	0.1657
471553	3747938	0.00511	0.10	0.00224	0.05	471553	3747938	0.03	0.1725
472553	3747938	0.00501	0.09	0.00238	0.05	472553	3747938	0.04	0.1818
473553	3747938	0.00552	0.10	0.00249	0.05	473553	3747938	0.04	0.2019
474553	3747938	0.00572	0.11	0.0025	0.05	474553	3747938	0.03	0.1969
475553	3747938	0.00669	0.13	0.00276	0.06	475553	3747938	0.04	0.2216
476553	3747938	0.00936	0.18	0.00387	0.09	476553	3747938	0.04	0.2960
477553	3747938	0.01143	0.21	0.00489	0.11	477553	3747938	0.04	0.3606
478553	3747938	0.01142	0.21	0.00517	0.11	478553	3747938	0.04	0.3685
479553	3747938	0.01253	0.24	0.00544	0.12	479553	3747938	0.04	0.3953
480553	3747938	0.01419	0.27	0.00521	0.11	480553	3747938	0.04	0.4250
481553	3747938	0.01037	0.19	0.00474	0.10	481553	3747938	0.05	0.3461
482553	3747938	0.0232	0.44	0.00533	0.12	482553	3747938	0.05	0.6013
483553	3747938	0.03569	0.67	0.01783	0.39	483553	3747938	0.06	1.1238
484553	3747938	0.03021	0.57	0.0147	0.32	484553	3747938	0.07	0.9646
485553	3747938	0.02872	0.54	0.01199	0.26	485553	3747938	0.08	0.8787
486553	3747938	0.02474	0.46	0.01749	0.38	486553	3747938	0.09	0.9364
487553	3747938	0.02037	0.38	0.013	0.29	487553	3747938	0.09	0.7562
488553	3747938	0.034	0.64	0.01559	0.34	488553	3747938	0.09	1.0744
489553	3747938	0.02831	0.53	0.01241	0.27	489553	3747938	0.09	0.8938
490553	3747938	0.0213	0.40	0.01291	0.28	490553	3747938	0.09	0.7763
491553	3747938	0.01952	0.37	0.01038	0.23	491553	3747938	0.10	0.6922
492553	3747938	0.0142	0.27	0.00867	0.19	492553	3747938	0.08	0.5401
493553	3747938	0.01706	0.32	0.00642	0.14	493553	3747938	0.08	0.5363
494553	3747938	0.01888	0.35	0.00806	0.18	494553	3747938	0.07	0.5993
495553	3747938	0.01658	0.31	0.00866	0.19	495553	3747938	0.06	0.5609
496553	3747938	0.0171	0.32	0.0105	0.23	496553	3747938	0.07	0.6238
497553	3747938	0.01093	0.21	0.00678	0.15	497553	3747938	0.06	0.4188
498553	3747938	0.01196	0.22	0.00719	0.16	498553	3747938	0.09	0.4718
499553	3747938	0.00995	0.19	0.00403	0.09	499553	3747938	0.07	0.3445
500553	3747938	0.00802	0.15	0.00496	0.11	500553	3747938	0.06	0.3164
501553	3747938	0.00572	0.11	0.00367	0.08	501553	3747938	0.05	0.2408
502553	3747938	0.00476	0.09	0.0026	0.06	502553	3747938	0.05	0.1958
503553	3747938	0.00515	0.10	0.00258	0.06	503553	3747938	0.05	0.1996
504553	3747938	0.00518	0.10	0.00242	0.05	504553	3747938	0.04	0.1866
505553	3747938	0.00506	0.09	0.00265	0.06	505553	3747938	0.04	0.1909
461553	3748938	0.00275	0.05	0.0012	0.03	461553	3748938	0.01	0.0928
462553	3748938	0.00249	0.05	0.00107	0.02	462553	3748938	0.01	0.0850
463553	3748938	0.00238	0.04	0.00107	0.02	463553	3748938	0.02	0.0839
464553	3748938	0.00251	0.05	0.00112	0.02	464553	3748938	0.02	0.0886
465553	3748938	0.00256	0.05	0.00113	0.02	465553	3748938	0.02	0.0906
466553	3748938	0.00252	0.05	0.00111	0.02	466553	3748938	0.02	0.0900
467553	3748938	0.00253	0.05	0.00113	0.02	467553	3748938	0.02	0.0923
468553	3748938	0.00365	0.07	0.00166	0.04	468553	3748938	0.02	0.1287
469553	3748938	0.0038	0.07	0.0017	0.04	469553	3748938	0.02	0.1323
470553	3748938	0.00446	0.08	0.00194	0.04	470553	3748938	0.02	0.1496
471553	3748938	0.00461	0.09	0.00214	0.05	471553	3748938	0.02	0.1554
472553	3748938	0.00602	0.11	0.00283	0.06	472553	3748938	0.02	0.1975
473553	3748938	0.00546	0.10	0.00251	0.06	473553	3748938	0.03	0.1847
474553	3748938	0.00487	0.09	0.00221	0.05	474553	3748938	0.03	0.1742
475553	3748938	0.00522	0.10	0.00221	0.05	475553	3748938	0.04	0.1846
476553	3748938	0.00697	0.13	0.00294	0.06	476553	3748938	0.04	0.2368
477553	3748938	0.00844	0.16	0.00359	0.08	477553	3748938	0.04	0.2808
478553	3748938	0.01244	0.23	0.00502	0.11	478553	3748938	0.04	0.3878
479553	3748938	0.01569	0.29	0.00663	0.15	479553	3748938	0.05	0.4889
480553	3748938	0.01742	0.33	0.00707	0.16	480553	3748938	0.05	0.5334
481553	3748938	0.02382	0.45	0.00797	0.18	481553	3748938	0.07	0.6872
482553	3748938	0.01457	0.27	0.00699	0.15	482553	3748938	0.05	0.4735
483553	3748938	0.05837	1.10	0.00966	0.21	483553	3748938	0.08	1.3872
484553	3748938	0.0471	0.88	0.02295	0.50	484553	3748938	0.09	1.4733
485553	3748938	0.04474	0.84	0.02239	0.49	485553	3748938	0.10	1.4283
486553	3748938	0.03325	0.62	0.02648	0.58	486553	3748938	0.10	1.3068
487553	3748938	0.05021	0.94	0.01982	0.44	487553	3748938	0.12	1.4981
488553	3748938	0.03614	0.68	0.02435	0.54	488553	3748938	0.11	1.3280
489553	3748938	0.02802	0.53	0.01815	0.40	489553	3748938	0.12	1.0403
490553	3748938	0.02574	0.48	0.01409	0.31	490553	3748938	0.11	0.9060
491553	3748938	0.01962	0.37	0.01151	0.25	491553	3748938	0.11	0.7329
492553	3748938	0.02571	0.48	0.00955	0.21	492553	3748938	0.10	0.7897

493553	3748938	0.02295	0.43	0.01175	0.26	493553	3748938	0.09	0.7747
494553	3748938	0.01621	0.30	0.01021	0.22	494553	3748938	0.08	0.6038
495553	3748938	0.01462	0.27	0.01028	0.23	495553	3748938	0.09	0.5915
496553	3748938	0.01155	0.22	0.005	0.11	496553	3748938	0.06	0.3903
497553	3748938	0.01191	0.22	0.0072	0.16	497553	3748938	0.09	0.4728
498553	3748938	0.00903	0.17	0.0068	0.15	498553	3748938	0.09	0.4067
499553	3748938	0.0069	0.13	0.0039	0.09	499553	3748938	0.07	0.2862
500553	3748938	0.00673	0.13	0.00309	0.07	500553	3748938	0.06	0.2526
501553	3748938	0.00578	0.11	0.00337	0.07	501553	3748938	0.04	0.2240
502553	3748938	0.00513	0.10	0.00308	0.07	502553	3748938	0.04	0.2057
503553	3748938	0.00516	0.10	0.00263	0.06	503553	3748938	0.04	0.1918
504553	3748938	0.0055	0.10	0.00245	0.05	504553	3748938	0.03	0.1909
505553	3748938	0.00543	0.10	0.00256	0.06	505553	3748938	0.03	0.1868
461553	3749938	0.00293	0.05	0.00136	0.03	461553	3749938	0.01	0.0982
462553	3749938	0.00312	0.06	0.00144	0.03	462553	3749938	0.01	0.1043
463553	3749938	0.00342	0.06	0.00156	0.03	463553	3749938	0.02	0.1139
464553	3749938	0.00371	0.07	0.00167	0.04	464553	3749938	0.02	0.1233
465553	3749938	0.0038	0.07	0.00169	0.04	465553	3749938	0.02	0.1264
466553	3749938	0.00381	0.07	0.00167	0.04	466553	3749938	0.02	0.1269
467553	3749938	0.00385	0.07	0.00166	0.04	467553	3749938	0.02	0.1288
468553	3749938	0.00378	0.07	0.00161	0.04	468553	3749938	0.02	0.1277
469553	3749938	0.0037	0.07	0.00163	0.04	469553	3749938	0.02	0.1291
470553	3749938	0.00448	0.08	0.00199	0.04	470553	3749938	0.03	0.1570
471553	3749938	0.00478	0.09	0.00235	0.05	471553	3749938	0.03	0.1716
472553	3749938	0.00494	0.09	0.0023	0.05	472553	3749938	0.03	0.1746
473553	3749938	0.00338	0.06	0.00153	0.03	473553	3749938	0.02	0.1219
474553	3749938	0.00449	0.08	0.00205	0.05	474553	3749938	0.03	0.1574
475553	3749938	0.00571	0.11	0.00254	0.06	475553	3749938	0.03	0.1966
476553	3749938	0.00668	0.13	0.00293	0.06	476553	3749938	0.04	0.2295
477553	3749938	0.00693	0.13	0.00301	0.07	477553	3749938	0.05	0.2425
478553	3749938	0.0087	0.16	0.00356	0.08	478553	3749938	0.05	0.2937
479553	3749938	0.01218	0.23	0.005	0.11	479553	3749938	0.06	0.3950
480553	3749938	0.01818	0.34	0.00705	0.15	480553	3749938	0.06	0.5542
481553	3749938	0.02473	0.46	0.01017	0.22	481553	3749938	0.07	0.7561
482553	3749938	0.02695	0.51	0.01259	0.28	482553	3749938	0.08	0.8653
483553	3749938	0.03296	0.62	0.01853	0.41	483553	3749938	0.09	1.1139
484553	3749938	0.05012	0.94	0.02282	0.50	484553	3749938	0.09	1.5307
485553	3749938	0.04201	0.79	0.01915	0.42	485553	3749938	0.09	1.2980
486553	3749938	0.03689	0.69	0.02904	0.64	486553	3749938	0.18	1.5081
487553	3749938	0.08152	1.53	0.02929	0.64	487553	3749938	0.14	2.3167
488553	3749938	0.04884	0.92	0.02562	0.56	488553	3749938	0.15	1.6255
489553	3749938	0.03671	0.69	0.0208	0.46	489553	3749938	0.15	1.2972
490553	3749938	0.03653	0.69	0.01564	0.34	490553	3749938	0.14	1.1681
491553	3749938	0.03491	0.66	0.01679	0.37	491553	3749938	0.13	1.1511
492553	3749938	0.02312	0.43	0.01581	0.35	492553	3749938	0.12	0.8987
493553	3749938	0.01958	0.37	0.01016	0.22	493553	3749938	0.11	0.7017
494553	3749938	0.01627	0.31	0.00855	0.19	494553	3749938	0.12	0.6093
495553	3749938	0.01027	0.19	0.00762	0.17	495553	3749938	0.10	0.4599
496553	3749938	0.01045	0.20	0.00497	0.11	496553	3749938	0.09	0.3950
497553	3749938	0.01243	0.23	0.00647	0.14	497553	3749938	0.11	0.4858
498553	3749938	0.00906	0.17	0.00532	0.12	498553	3749938	0.08	0.3656
499553	3749938	0.00757	0.14	0.0039	0.09	499553	3749938	0.06	0.2834
500553	3749938	0.00684	0.13	0.00338	0.07	500553	3749938	0.05	0.2494
501553	3749938	0.00606	0.11	0.00344	0.08	501553	3749938	0.04	0.2283
502553	3749938	0.00511	0.10	0.00288	0.06	502553	3749938	0.03	0.1930
503553	3749938	0.00446	0.08	0.00258	0.06	503553	3749938	0.03	0.1711
504553	3749938	0.005	0.09	0.00228	0.05	504553	3749938	0.03	0.1707
505553	3749938	0.00471	0.09	0.00208	0.05	505553	3749938	0.02	0.1579
461553	3750938	0.00262	0.05	0.0012	0.03	461553	3750938	0.01	0.0876
462553	3750938	0.00275	0.05	0.00125	0.03	462553	3750938	0.01	0.0917
463553	3750938	0.0029	0.05	0.0013	0.03	463553	3750938	0.01	0.0964
464553	3750938	0.00301	0.06	0.00134	0.03	464553	3750938	0.01	0.1003
465553	3750938	0.0031	0.06	0.00137	0.03	465553	3750938	0.02	0.1036
466553	3750938	0.0033	0.06	0.00147	0.03	466553	3750938	0.02	0.1112
467553	3750938	0.00356	0.07	0.00171	0.04	467553	3750938	0.02	0.1234
468553	3750938	0.00399	0.07	0.00189	0.04	468553	3750938	0.02	0.1369
469553	3750938	0.00446	0.08	0.00208	0.05	469553	3750938	0.02	0.1513
470553	3750938	0.00569	0.11	0.00252	0.06	470553	3750938	0.03	0.1896
471553	3750938	0.00585	0.11	0.00282	0.06	471553	3750938	0.03	0.2005
472553	3750938	0.00619	0.12	0.00286	0.06	472553	3750938	0.03	0.2088
473553	3750938	0.00556	0.10	0.00248	0.05	473553	3750938	0.03	0.1871
474553	3750938	0.00561	0.11	0.00241	0.05	474553	3750938	0.03	0.1887
475553	3750938	0.00546	0.10	0.00221	0.05	475553	3750938	0.03	0.1842
476553	3750938	0.00536	0.10	0.00227	0.05	476553	3750938	0.04	0.1870
477553	3750938	0.00547	0.10	0.00234	0.05	477553	3750938	0.04	0.1938
478553	3750938	0.00718	0.13	0.00316	0.07	478553	3750938	0.05	0.2524
479553	3750938	0.01002	0.19	0.00431	0.09	479553	3750938	0.06	0.3410
480553	3750938	0.01192	0.22	0.00501	0.11	480553	3750938	0.07	0.4023
481553	3750938	0.01839	0.35	0.00715	0.16	481553	3750938	0.08	0.5787
482553	3750938	0.03121	0.59	0.01126	0.25	482553	3750938	0.08	0.9155
483553	3750938	0.05275	0.99	0.01838	0.40	483553	3750938	0.10	1.4932
484553	3750938	0.04768	0.89	0.02564	0.56	484553	3750938	0.12	1.5809
485553	3750938	0.07235	1.36	0.03244	0.71	485553	3750938	0.09	2.1557
486553	3750938	0.04635	0.87	0.02992	0.66	486553	3750938	0.14	1.6698
487553	3750938	0.06204	1.16	0.04842	1.06	487553	3750938	0.20	2.4330
488553	3750938	0.06007	1.13	0.03822	0.84	488553	3750938	0.21	2.1753
489553	3750938	0.06389	1.20	0.02393	0.53	489553	3750938	0.21	1.9301
490553	3750938	0.03987	0.75	0.02857	0.63	490553	3750938	0.19	1.5685
491553	3750938	0.0293	0.55	0.01673	0.37	491553	3750938	0.19	1.1042
492553	3750938	0.02288	0.43	0.0132	0.29	492553	3750938	0.17	0.8938

493553	3750938	0.02546	0.48	0.01178	0.26	493553	3750938	0.20	0.9392
494553	3750938	0.02124	0.40	0.01144	0.25	494553	3750938	0.17	0.8158
495553	3750938	0.01588	0.30	0.00763	0.17	495553	3750938	0.13	0.5997
496553	3750938	0.01059	0.20	0.00566	0.12	496553	3750938	0.09	0.4137
497553	3750938	0.00849	0.16	0.00507	0.11	497553	3750938	0.08	0.3460
498553	3750938	0.00737	0.14	0.00414	0.09	498553	3750938	0.06	0.2867
499553	3750938	0.00658	0.12	0.00372	0.08	499553	3750938	0.05	0.2519
500553	3750938	0.00604	0.11	0.00345	0.08	500553	3750938	0.04	0.2253
501553	3750938	0.00535	0.10	0.00313	0.07	501553	3750938	0.03	0.2036
502553	3750938	0.00542	0.10	0.00276	0.06	502553	3750938	0.03	0.1954
503553	3750938	0.00552	0.10	0.00241	0.05	503553	3750938	0.03	0.1888
504553	3750938	0.00624	0.12	0.00243	0.05	504553	3750938	0.03	0.2014
505553	3750938	0.00573	0.11	0.00247	0.05	505553	3750938	0.03	0.1900
461553	3751938	0.00232	0.04	0.00105	0.02	461553	3751938	0.01	0.0786
462553	3751938	0.00241	0.05	0.00109	0.02	462553	3751938	0.01	0.0817
463553	3751938	0.00251	0.05	0.00113	0.02	463553	3751938	0.01	0.0852
464553	3751938	0.00265	0.05	0.00118	0.03	464553	3751938	0.01	0.0898
465553	3751938	0.00282	0.05	0.00125	0.03	465553	3751938	0.02	0.0956
466553	3751938	0.00301	0.06	0.00133	0.03	466553	3751938	0.02	0.1022
467553	3751938	0.0032	0.06	0.00142	0.03	467553	3751938	0.02	0.1091
468553	3751938	0.0034	0.06	0.00156	0.03	468553	3751938	0.02	0.1175
469553	3751938	0.00358	0.07	0.0017	0.04	469553	3751938	0.02	0.1256
470553	3751938	0.00384	0.07	0.0019	0.04	470553	3751938	0.03	0.1390
471553	3751938	0.00507	0.10	0.00252	0.06	471553	3751938	0.04	0.1871
472553	3751938	0.00502	0.09	0.00246	0.05	472553	3751938	0.03	0.1782
473553	3751938	0.0049	0.09	0.00234	0.05	473553	3751938	0.03	0.1734
474553	3751938	0.00553	0.10	0.00255	0.06	474553	3751938	0.03	0.1929
475553	3751938	0.00635	0.12	0.00285	0.06	475553	3751938	0.04	0.2187
476553	3751938	0.00736	0.14	0.00324	0.07	476553	3751938	0.04	0.2508
477553	3751938	0.00857	0.16	0.00369	0.08	477553	3751938	0.05	0.2888
478553	3751938	0.01005	0.19	0.00429	0.09	478553	3751938	0.05	0.3364
479553	3751938	0.01174	0.22	0.00501	0.11	479553	3751938	0.06	0.3912
480553	3751938	0.01382	0.26	0.00561	0.12	480553	3751938	0.07	0.4515
481553	3751938	0.01568	0.29	0.00579	0.13	481553	3751938	0.08	0.4994
482553	3751938	0.02037	0.38	0.00773	0.17	482553	3751938	0.09	0.6459
483553	3751938	0.03531	0.66	0.01229	0.27	483553	3751938	0.12	1.0484
484553	3751938	0.09532	1.79	0.02632	0.58	484553	3751938	0.15	2.5134
485553	3751938	0.16291	3.06	0.06101	1.34	485553	3751938	0.21	4.6075
486553	3751938	0.14779	2.77	0.07417	1.63	486553	3751938	0.18	4.5864
487553	3751938	0.12601	2.36	0.09037	1.99	487553	3751938	0.35	4.7000
488553	3751938	0.09591	1.80	0.07894	1.73	488553	3751938	0.35	3.8856
489553	3751938	0.05909	1.11	0.04054	0.89	489553	3751938	0.34	2.3414
490553	3751938	0.03962	0.74	0.02406	0.53	490553	3751938	0.38	1.6481
491553	3751938	0.02955	0.55	0.01778	0.39	491553	3751938	0.34	1.2880
492553	3751938	0.0242	0.45	0.0128	0.28	492553	3751938	0.26	0.9979
493553	3751938	0.0222	0.42	0.01248	0.27	493553	3751938	0.22	0.9143
494553	3751938	0.0202	0.38	0.0098	0.22	494553	3751938	0.16	0.7592
495553	3751938	0.01711	0.32	0.00804	0.18	495553	3751938	0.10	0.6004
496553	3751938	0.01203	0.23	0.00621	0.14	496553	3751938	0.07	0.4287
497553	3751938	0.01007	0.19	0.00563	0.12	497553	3751938	0.06	0.3755
498553	3751938	0.00855	0.16	0.00553	0.12	498553	3751938	0.06	0.3394
499553	3751938	0.00698	0.13	0.00406	0.09	499553	3751938	0.05	0.2690
500553	3751938	0.00635	0.12	0.0036	0.08	500553	3751938	0.04	0.2387
501553	3751938	0.00617	0.12	0.00316	0.07	501553	3751938	0.03	0.2195
502553	3751938	0.00555	0.10	0.00293	0.06	502553	3751938	0.03	0.2009
503553	3751938	0.0055	0.10	0.00277	0.06	503553	3751938	0.03	0.1947
504553	3751938	0.00531	0.10	0.00272	0.06	504553	3751938	0.03	0.1881
505553	3751938	0.00487	0.09	0.00257	0.06	505553	3751938	0.03	0.1743
461553	3752938	0.0026	0.05	0.00113	0.02	461553	3752938	0.01	0.0853
462553	3752938	0.00271	0.05	0.00118	0.03	462553	3752938	0.01	0.0891
463553	3752938	0.00285	0.05	0.00124	0.03	463553	3752938	0.01	0.0938
464553	3752938	0.00299	0.06	0.0013	0.03	464553	3752938	0.01	0.0986
465553	3752938	0.00319	0.06	0.00138	0.03	465553	3752938	0.02	0.1052
466553	3752938	0.00346	0.06	0.0015	0.03	466553	3752938	0.02	0.1144
467553	3752938	0.00375	0.07	0.00162	0.04	467553	3752938	0.02	0.1240
468553	3752938	0.00403	0.08	0.00174	0.04	468553	3752938	0.02	0.1335
469553	3752938	0.00411	0.08	0.00184	0.04	469553	3752938	0.02	0.1391
470553	3752938	0.00435	0.08	0.00193	0.04	470553	3752938	0.02	0.1481
471553	3752938	0.00457	0.09	0.00205	0.05	471553	3752938	0.03	0.1566
472553	3752938	0.00481	0.09	0.00216	0.05	472553	3752938	0.03	0.1651
473553	3752938	0.00513	0.10	0.0023	0.05	473553	3752938	0.03	0.1769
474553	3752938	0.00559	0.10	0.00251	0.06	474553	3752938	0.03	0.1938
475553	3752938	0.00616	0.12	0.00277	0.06	475553	3752938	0.04	0.2146
476553	3752938	0.00686	0.13	0.00298	0.07	476553	3752938	0.04	0.2376
477553	3752938	0.00775	0.15	0.00337	0.07	477553	3752938	0.05	0.2693
478553	3752938	0.00892	0.17	0.00388	0.09	478553	3752938	0.06	0.3111
479553	3752938	0.01041	0.20	0.00454	0.10	479553	3752938	0.07	0.3630
480553	3752938	0.01251	0.23	0.00549	0.12	480553	3752938	0.08	0.4373
481553	3752938	0.01725	0.32	0.00683	0.15	481553	3752938	0.10	0.5734
482553	3752938	0.02614	0.49	0.00883	0.19	482553	3752938	0.12	0.8076
483553	3752938	0.04318	0.81	0.01279	0.28	483553	3752938	0.16	1.2469
484553	3752938	0.089	1.67	0.02183	0.48	484553	3752938	0.21	2.3642
485553	3752938	0.31252	5.86	0.05009	1.10	485553	3752938	0.37	7.3377
486553	3752938	1.0271	19.27	0.38458	8.45	486553	3752938	0.55	28.2797
487553	3752938	0.17922	3.36	0.21446	4.71	487553	3752938	0.73	8.8080
488553	3752938	0.08025	1.51	0.06563	1.44	488553	3752938	2.74	5.6872
489553	3752938	0.05281	0.99	0.03656	0.80	489553	3752938	0.96	2.7543
490553	3752938	0.03851	0.72	0.02372	0.52	490553	3752938	0.94	2.1816
491553	3752938	0.03885	0.73	0.02216	0.49	491553	3752938	0.44	1.6517
492553	3752938	0.03142	0.59	0.01742	0.38	492553	3752938	0.34	1.3096

493553	3752938	0.02445	0.46	0.01309	0.29	493553	3752938	0.17	0.9214
494553	3752938	0.02006	0.38	0.0104	0.23	494553	3752938	0.14	0.7428
495553	3752938	0.01518	0.28	0.00765	0.17	495553	3752938	0.10	0.5579
496553	3752938	0.01116	0.21	0.00549	0.12	496553	3752938	0.08	0.4081
497553	3752938	0.01007	0.19	0.00486	0.11	497553	3752938	0.07	0.3642
498553	3752938	0.00894	0.17	0.00461	0.10	498553	3752938	0.06	0.3273
499553	3752938	0.00807	0.15	0.00408	0.09	499553	3752938	0.05	0.2915
500553	3752938	0.00729	0.14	0.00363	0.08	500553	3752938	0.04	0.2599
501553	3752938	0.00668	0.13	0.00328	0.07	501553	3752938	0.04	0.2351
502553	3752938	0.00613	0.12	0.00297	0.07	502553	3752938	0.03	0.2131
503553	3752938	0.00625	0.12	0.00273	0.06	503553	3752938	0.03	0.2064
504553	3752938	0.00578	0.11	0.00252	0.06	504553	3752938	0.03	0.1904
505553	3752938	0.00537	0.10	0.00233	0.05	505553	3752938	0.03	0.1772
461553	3753938	0.00215	0.04	0.00107	0.02	461553	3753938	0.01	0.0755
462553	3753938	0.00218	0.04	0.00109	0.02	462553	3753938	0.01	0.0770
463553	3753938	0.00222	0.04	0.00112	0.02	463553	3753938	0.01	0.0791
464553	3753938	0.00225	0.04	0.00115	0.03	464553	3753938	0.01	0.0811
465553	3753938	0.00233	0.04	0.0012	0.03	465553	3753938	0.01	0.0848
466553	3753938	0.00253	0.05	0.00126	0.03	466553	3753938	0.02	0.0912
467553	3753938	0.00274	0.05	0.0013	0.03	467553	3753938	0.02	0.0973
468553	3753938	0.00302	0.06	0.00138	0.03	468553	3753938	0.02	0.1061
469553	3753938	0.00325	0.06	0.00144	0.03	469553	3753938	0.02	0.1134
470553	3753938	0.00353	0.07	0.00154	0.03	470553	3753938	0.02	0.1223
471553	3753938	0.00374	0.07	0.00162	0.04	471553	3753938	0.02	0.1290
472553	3753938	0.00419	0.08	0.00178	0.04	472553	3753938	0.03	0.1433
473553	3753938	0.00481	0.09	0.00198	0.04	473553	3753938	0.03	0.1618
474553	3753938	0.00558	0.10	0.00224	0.05	474553	3753938	0.03	0.1850
475553	3753938	0.00657	0.12	0.00263	0.06	475553	3753938	0.04	0.2161
476553	3753938	0.00781	0.15	0.00311	0.07	476553	3753938	0.04	0.2548
477553	3753938	0.00936	0.18	0.00375	0.08	477553	3753938	0.05	0.3037
478553	3753938	0.01128	0.21	0.00458	0.10	478553	3753938	0.05	0.3654
479553	3753938	0.01347	0.25	0.0057	0.13	479553	3753938	0.06	0.4407
480553	3753938	0.01757	0.33	0.00713	0.16	480553	3753938	0.08	0.5641
481553	3753938	0.02529	0.47	0.0097	0.21	481553	3753938	0.11	0.8015
482553	3753938	0.03088	0.58	0.01465	0.32	482553	3753938	0.15	1.0530
483553	3753938	0.05041	0.95	0.01908	0.42	483553	3753938	0.17	1.5357
484553	3753938	0.06871	1.29	0.0333	0.73	484553	3753938	0.27	2.2924
485553	3753938	0.1295	2.43	0.04917	1.08	485553	3753938	0.41	3.9228
486553	3753938	0.19969	3.75	0.08539	1.88	486553	3753938	0.63	6.2534
487553	3753938	0.10454	1.96	0.08565	1.88	487553	3753938	0.70	4.5395
488553	3753938	0.08119	1.52	0.04976	1.09	488553	3753938	0.65	3.2641
489553	3753938	0.05473	1.03	0.03454	0.76	489553	3753938	0.95	2.7388
490553	3753938	0.02927	0.55	0.01688	0.37	490553	3753938	0.32	1.2442
491553	3753938	0.01904	0.36	0.01018	0.22	491553	3753938	0.16	0.7444
492553	3753938	0.01845	0.35	0.01067	0.23	492553	3753938	0.15	0.7333
493553	3753938	0.01554	0.29	0.00816	0.18	493553	3753938	0.12	0.5873
494553	3753938	0.01355	0.25	0.00617	0.14	494553	3753938	0.11	0.5001
495553	3753938	0.00836	0.16	0.00438	0.10	495553	3753938	0.08	0.3344
496553	3753938	0.0074	0.14	0.00406	0.09	496553	3753938	0.06	0.2911
497553	3753938	0.0068	0.13	0.00402	0.09	497553	3753938	0.05	0.2691
498553	3753938	0.00675	0.13	0.00378	0.08	498553	3753938	0.05	0.2573
499553	3753938	0.00648	0.12	0.00378	0.08	499553	3753938	0.04	0.2487
500553	3753938	0.00602	0.11	0.00324	0.07	500553	3753938	0.04	0.2247
501553	3753938	0.00546	0.10	0.00288	0.06	501553	3753938	0.04	0.2033
502553	3753938	0.00485	0.09	0.00286	0.06	502553	3753938	0.03	0.1886
503553	3753938	0.00495	0.09	0.00277	0.06	503553	3753938	0.03	0.1860
504553	3753938	0.00495	0.09	0.00264	0.06	504553	3753938	0.03	0.1808
505553	3753938	0.00486	0.09	0.00249	0.05	505553	3753938	0.03	0.1737
461553	3754938	0.00224	0.04	0.00096	0.02	461553	3754938	0.01	0.0755
462553	3754938	0.00236	0.04	0.00102	0.02	462553	3754938	0.01	0.0797
463553	3754938	0.00249	0.05	0.00109	0.02	463553	3754938	0.01	0.0845
464553	3754938	0.00262	0.05	0.00116	0.03	464553	3754938	0.01	0.0893
465553	3754938	0.00274	0.05	0.00124	0.03	465553	3754938	0.02	0.0944
466553	3754938	0.00315	0.06	0.00136	0.03	466553	3754938	0.02	0.1064
467553	3754938	0.0035	0.07	0.00143	0.03	467553	3754938	0.02	0.1159
468553	3754938	0.00378	0.07	0.0016	0.04	468553	3754938	0.02	0.1266
469553	3754938	0.00414	0.08	0.0018	0.04	469553	3754938	0.02	0.1396
470553	3754938	0.00445	0.08	0.002	0.04	470553	3754938	0.02	0.1519
471553	3754938	0.00506	0.09	0.00219	0.05	471553	3754938	0.03	0.1697
472553	3754938	0.0057	0.11	0.00235	0.05	472553	3754938	0.03	0.1876
473553	3754938	0.00623	0.12	0.00277	0.06	473553	3754938	0.03	0.2099
474553	3754938	0.0065	0.12	0.00319	0.07	474553	3754938	0.04	0.2282
475553	3754938	0.00706	0.13	0.00365	0.08	475553	3754938	0.04	0.2576
476553	3754938	0.00866	0.16	0.00361	0.08	476553	3754938	0.05	0.2944
477553	3754938	0.01104	0.21	0.00414	0.09	477553	3754938	0.06	0.3594
478553	3754938	0.01262	0.24	0.00556	0.12	478553	3754938	0.07	0.4300
479553	3754938	0.01409	0.26	0.00735	0.16	479553	3754938	0.09	0.5147
480553	3754938	0.02503	0.47	0.00782	0.17	480553	3754938	0.12	0.7587
481553	3754938	0.02568	0.48	0.01449	0.32	481553	3754938	0.12	0.9248
482553	3754938	0.03086	0.58	0.01414	0.31	482553	3754938	0.16	1.0536
483553	3754938	0.02915	0.55	0.01733	0.38	483553	3754938	0.22	1.1509
484553	3754938	0.05492	1.03	0.0155	0.34	484553	3754938	0.34	1.7102
485553	3754938	0.04876	0.91	0.02713	0.60	485553	3754938	0.69	2.2012
486553	3754938	0.06999	1.31	0.03511	0.77	486553	3754938	0.86	2.9438
487553	3754938	0.06094	1.14	0.04907	1.08	487553	3754938	0.88	3.1026
488553	3754938	0.04356	0.82	0.02803	0.62	488553	3754938	0.81	2.2471
489553	3754938	0.03938	0.74	0.0191	0.42	489553	3754938	0.29	1.4524
490553	3754938	0.02493	0.47	0.01511	0.33	490553	3754938	0.18	0.9822
491553	3754938	0.02438	0.46	0.01258	0.28	491553	3754938	0.11	0.8457
492553	3754938	0.01475	0.28	0.00797	0.18	492553	3754938	0.09	0.5424

493553	3754938	0.01191	0.22	0.00618	0.14	493553	3754938	0.08	0.4378
494553	3754938	0.01076	0.20	0.00552	0.12	494553	3754938	0.06	0.3853
495553	3754938	0.0092	0.17	0.00477	0.10	495553	3754938	0.05	0.3323
496553	3754938	0.00788	0.15	0.00427	0.09	496553	3754938	0.05	0.2937
497553	3754938	0.00782	0.15	0.00421	0.09	497553	3754938	0.05	0.2865
498553	3754938	0.00735	0.14	0.00382	0.08	498553	3754938	0.04	0.2640
499553	3754938	0.00687	0.13	0.00386	0.08	499553	3754938	0.04	0.2497
500553	3754938	0.00599	0.11	0.00301	0.07	500553	3754938	0.03	0.2099
501553	3754938	0.00472	0.09	0.00245	0.05	501553	3754938	0.03	0.1694
502553	3754938	0.00422	0.08	0.00234	0.05	502553	3754938	0.02	0.1534
503553	3754938	0.00439	0.08	0.00213	0.05	503553	3754938	0.02	0.1496
504553	3754938	0.00408	0.08	0.00206	0.05	504553	3754938	0.02	0.1410
505553	3754938	0.00394	0.07	0.00188	0.04	505553	3754938	0.02	0.1338
461553	3755938	0.00267	0.05	0.00115	0.03	461553	3755938	0.01	0.0892
462553	3755938	0.00281	0.05	0.00123	0.03	462553	3755938	0.01	0.0943
463553	3755938	0.00292	0.05	0.00131	0.03	463553	3755938	0.02	0.0990
464553	3755938	0.00321	0.06	0.00138	0.03	464553	3755938	0.02	0.1069
465553	3755938	0.00362	0.07	0.00145	0.03	465553	3755938	0.02	0.1173
466553	3755938	0.00408	0.08	0.00167	0.04	466553	3755938	0.02	0.1325
467553	3755938	0.0044	0.08	0.00189	0.04	467553	3755938	0.02	0.1449
468553	3755938	0.00442	0.08	0.0021	0.05	468553	3755938	0.02	0.1519
469553	3755938	0.00424	0.08	0.00215	0.05	469553	3755938	0.02	0.1505
470553	3755938	0.00432	0.08	0.00236	0.05	470553	3755938	0.03	0.1605
471553	3755938	0.00482	0.09	0.00234	0.05	471553	3755938	0.03	0.1728
472553	3755938	0.00524	0.10	0.00225	0.05	472553	3755938	0.03	0.1804
473553	3755938	0.00609	0.11	0.00256	0.06	473553	3755938	0.04	0.2082
474553	3755938	0.00838	0.16	0.00373	0.08	474553	3755938	0.05	0.2932
475553	3755938	0.00869	0.16	0.00434	0.10	475553	3755938	0.06	0.3179
476553	3755938	0.0082	0.15	0.00431	0.09	476553	3755938	0.06	0.3051
477553	3755938	0.01411	0.26	0.00407	0.09	477553	3755938	0.06	0.4142
478553	3755938	0.01751	0.33	0.00746	0.16	478553	3755938	0.06	0.5541
479553	3755938	0.01535	0.29	0.01028	0.23	479553	3755938	0.08	0.5945
480553	3755938	0.0155	0.29	0.00753	0.17	480553	3755938	0.10	0.5535
481553	3755938	0.01648	0.31	0.00852	0.19	481553	3755938	0.11	0.6087
482553	3755938	0.01568	0.29	0.00989	0.22	482553	3755938	0.13	0.6452
483553	3755938	0.03187	0.60	0.01007	0.22	483553	3755938	0.16	0.9778
484553	3755938	0.03184	0.60	0.01665	0.37	484553	3755938	0.21	1.1695
485553	3755938	0.02458	0.46	0.01911	0.42	485553	3755938	0.26	1.1436
486553	3755938	0.03174	0.60	0.01981	0.44	486553	3755938	0.34	1.3689
487553	3755938	0.03051	0.57	0.02544	0.56	487553	3755938	0.27	1.3998
488553	3755938	0.02847	0.53	0.01583	0.35	488553	3755938	0.18	1.0585
489553	3755938	0.02052	0.39	0.01113	0.24	489553	3755938	0.13	0.7587
490553	3755938	0.01964	0.37	0.00803	0.18	490553	3755938	0.10	0.6473
491553	3755938	0.01619	0.30	0.00843	0.19	491553	3755938	0.08	0.5685
492553	3755938	0.01305	0.24	0.00695	0.15	492553	3755938	0.07	0.4714
493553	3755938	0.01249	0.23	0.00694	0.15	493553	3755938	0.05	0.4411
494553	3755938	0.01079	0.20	0.00592	0.13	494553	3755938	0.05	0.3865
495553	3755938	0.00981	0.18	0.00507	0.11	495553	3755938	0.05	0.3452
496553	3755938	0.00665	0.12	0.00334	0.07	496553	3755938	0.04	0.2393
497553	3755938	0.00743	0.14	0.00371	0.08	497553	3755938	0.03	0.2552
498553	3755938	0.00661	0.12	0.00346	0.08	498553	3755938	0.03	0.2272
499553	3755938	0.00617	0.12	0.0034	0.07	499553	3755938	0.03	0.2163
500553	3755938	0.00476	0.09	0.00248	0.05	500553	3755938	0.03	0.1703
501553	3755938	0.00499	0.09	0.00277	0.06	501553	3755938	0.03	0.1803
502553	3755938	0.00529	0.10	0.00271	0.06	502553	3755938	0.02	0.1826
503553	3755938	0.00547	0.10	0.00266	0.06	503553	3755938	0.02	0.1818
504553	3755938	0.00493	0.09	0.00247	0.05	504553	3755938	0.02	0.1656
505553	3755938	0.00492	0.09	0.00235	0.05	505553	3755938	0.02	0.1614
461553	3756938	0.0033	0.06	0.00144	0.03	461553	3756938	0.01	0.1085
462553	3756938	0.00339	0.06	0.00154	0.03	462553	3756938	0.02	0.1132
463553	3756938	0.00339	0.06	0.00161	0.04	463553	3756938	0.02	0.1156
464553	3756938	0.0033	0.06	0.00164	0.04	464553	3756938	0.02	0.1156
465553	3756938	0.00309	0.06	0.00163	0.04	465553	3756938	0.02	0.1127
466553	3756938	0.00307	0.06	0.00157	0.03	466553	3756938	0.02	0.1124
467553	3756938	0.00328	0.06	0.00147	0.03	467553	3756938	0.02	0.1155
468553	3756938	0.00356	0.07	0.00148	0.03	468553	3756938	0.02	0.1220
469553	3756938	0.00401	0.08	0.00173	0.04	469553	3756938	0.02	0.1378
470553	3756938	0.00452	0.08	0.00204	0.04	470553	3756938	0.03	0.1571
471553	3756938	0.0049	0.09	0.00233	0.05	471553	3756938	0.03	0.1739
472553	3756938	0.00502	0.09	0.00244	0.05	472553	3756938	0.03	0.1808
473553	3756938	0.00542	0.10	0.003	0.07	473553	3756938	0.04	0.2077
474553	3756938	0.00587	0.11	0.00235	0.05	474553	3756938	0.03	0.1934
475553	3756938	0.01265	0.24	0.00425	0.09	475553	3756938	0.05	0.3794
476553	3756938	0.01229	0.23	0.00725	0.16	476553	3756938	0.06	0.4461
477553	3756938	0.01074	0.20	0.00631	0.14	477553	3756938	0.06	0.3992
478553	3756938	0.01086	0.20	0.00525	0.12	478553	3756938	0.07	0.3939
479553	3756938	0.01333	0.25	0.00576	0.13	479553	3756938	0.08	0.4527
480553	3756938	0.01225	0.23	0.00685	0.15	480553	3756938	0.07	0.4530
481553	3756938	0.00941	0.18	0.00624	0.14	481553	3756938	0.08	0.3922
482553	3756938	0.01818	0.34	0.00637	0.14	482553	3756938	0.08	0.5660
483553	3756938	0.01485	0.28	0.01015	0.22	483553	3756938	0.14	0.6424
484553	3756938	0.02138	0.40	0.01173	0.26	484553	3756938	0.12	0.7758
485553	3756938	0.01865	0.35	0.00909	0.20	485553	3756938	0.12	0.6664
486553	3756938	0.0199	0.37	0.01112	0.24	486553	3756938	0.14	0.7617
487553	3756938	0.02587	0.49	0.01461	0.32	487553	3756938	0.15	0.9593
488553	3756938	0.01786	0.34	0.01285	0.28	488553	3756938	0.10	0.7180
489553	3756938	0.01646	0.31	0.00814	0.18	489553	3756938	0.08	0.5666
490553	3756938	0.01413	0.27	0.00677	0.15	490553	3756938	0.07	0.4865
491553	3756938	0.01189	0.22	0.00623	0.14	491553	3756938	0.07	0.4295
492553	3756938	0.01266	0.24	0.00722	0.16	492553	3756938	0.06	0.4556

493553	3756938	0.01385	0.26	0.00666	0.15	493553	3756938	0.06	0.4646
494553	3756938	0.01	0.19	0.00486	0.11	494553	3756938	0.05	0.3476
495553	3756938	0.00983	0.18	0.00524	0.12	495553	3756938	0.04	0.3388
496553	3756938	0.00973	0.18	0.00495	0.11	496553	3756938	0.04	0.3278
497553	3756938	0.00643	0.12	0.00306	0.07	497553	3756938	0.03	0.2197
498553	3756938	0.00671	0.13	0.00342	0.08	498553	3756938	0.03	0.2299
499553	3756938	0.00451	0.08	0.00237	0.05	499553	3756938	0.03	0.1639
500553	3756938	0.00529	0.10	0.00267	0.06	500553	3756938	0.02	0.1816
501553	3756938	0.00574	0.11	0.00273	0.06	501553	3756938	0.02	0.1904
502553	3756938	0.00565	0.11	0.00277	0.06	502553	3756938	0.02	0.1885
503553	3756938	0.00484	0.09	0.00234	0.05	503553	3756938	0.02	0.1619
504553	3756938	0.00398	0.07	0.00187	0.04	504553	3756938	0.02	0.1331
505553	3756938	0.00344	0.06	0.00175	0.04	505553	3756938	0.02	0.1201
461553	3757938	0.0025	0.05	0.00124	0.03	461553	3757938	0.02	0.0899
462553	3757938	0.00247	0.05	0.00119	0.03	462553	3757938	0.02	0.0890
463553	3757938	0.00266	0.05	0.00119	0.03	463553	3757938	0.02	0.0934
464553	3757938	0.00298	0.06	0.00125	0.03	464553	3757938	0.02	0.1019
465553	3757938	0.00317	0.06	0.00137	0.03	465553	3757938	0.02	0.1087
466553	3757938	0.00332	0.06	0.00148	0.03	466553	3757938	0.02	0.1147
467553	3757938	0.00341	0.06	0.00159	0.03	467553	3757938	0.02	0.1199
468553	3757938	0.00357	0.07	0.00167	0.04	468553	3757938	0.02	0.1258
469553	3757938	0.00363	0.07	0.00177	0.04	469553	3757938	0.02	0.1305
470553	3757938	0.00414	0.08	0.00188	0.04	470553	3757938	0.03	0.1445
471553	3757938	0.00564	0.11	0.00199	0.04	471553	3757938	0.03	0.1769
472553	3757938	0.00861	0.16	0.00296	0.07	472553	3757938	0.03	0.2593
473553	3757938	0.00626	0.12	0.00287	0.06	473553	3757938	0.03	0.2065
474553	3757938	0.00481	0.09	0.00348	0.08	474553	3757938	0.03	0.1979
475553	3757938	0.00742	0.14	0.00375	0.08	475553	3757938	0.05	0.2766
476553	3757938	0.00836	0.16	0.00404	0.09	476553	3757938	0.04	0.2904
477553	3757938	0.01158	0.22	0.00461	0.10	477553	3757938	0.06	0.3743
478553	3757938	0.00898	0.17	0.00599	0.13	478553	3757938	0.06	0.3592
479553	3757938	0.00827	0.16	0.00419	0.09	479553	3757938	0.05	0.2995
480553	3757938	0.00794	0.15	0.00393	0.09	480553	3757938	0.05	0.2837
481553	3757938	0.01309	0.25	0.00519	0.11	481553	3757938	0.07	0.4247
482553	3757938	0.01063	0.20	0.00681	0.15	482553	3757938	0.08	0.4275
483553	3757938	0.01333	0.25	0.00458	0.10	483553	3757938	0.07	0.4172
484553	3757938	0.01099	0.21	0.00667	0.15	484553	3757938	0.07	0.4261
485553	3757938	0.01368	0.26	0.00776	0.17	485553	3757938	0.08	0.5101
486553	3757938	0.01501	0.28	0.00701	0.15	486553	3757938	0.11	0.5424
487553	3757938	0.01853	0.35	0.00958	0.21	487553	3757938	0.08	0.6402
488553	3757938	0.01973	0.37	0.00815	0.18	488553	3757938	0.06	0.6135
489553	3757938	0.01121	0.21	0.00638	0.14	489553	3757938	0.07	0.4224
490553	3757938	0.01266	0.24	0.00798	0.18	490553	3757938	0.05	0.4672
491553	3757938	0.01114	0.21	0.00461	0.10	491553	3757938	0.05	0.3612
492553	3757938	0.00754	0.14	0.00575	0.13	492553	3757938	0.04	0.3109
493553	3757938	0.0123	0.23	0.0057	0.13	493553	3757938	0.05	0.4051
494553	3757938	0.00883	0.17	0.00398	0.09	494553	3757938	0.04	0.2962
495553	3757938	0.00991	0.19	0.00521	0.11	495553	3757938	0.04	0.3389
496553	3757938	0.00692	0.13	0.00339	0.07	496553	3757938	0.03	0.2387
497553	3757938	0.00802	0.15	0.00405	0.09	497553	3757938	0.03	0.2714
498553	3757938	0.00794	0.15	0.00377	0.08	498553	3757938	0.03	0.2606
499553	3757938	0.00608	0.11	0.00336	0.07	499553	3757938	0.02	0.2117
500553	3757938	0.00514	0.10	0.00258	0.06	500553	3757938	0.02	0.1740
501553	3757938	0.00546	0.10	0.00269	0.06	501553	3757938	0.02	0.1815
502553	3757938	0.00379	0.07	0.0018	0.04	502553	3757938	0.02	0.1300
503553	3757938	0.00423	0.08	0.002	0.04	503553	3757938	0.02	0.1409
504553	3757938	0.0048	0.09	0.00228	0.05	504553	3757938	0.02	0.1557
505553	3757938	0.0037	0.07	0.00181	0.04	505553	3757938	0.02	0.1253
461553	3758938	0.00263	0.05	0.00115	0.03	461553	3758938	0.02	0.0902
462553	3758938	0.00275	0.05	0.00123	0.03	462553	3758938	0.02	0.0948
463553	3758938	0.00284	0.05	0.00131	0.03	463553	3758938	0.02	0.0989
464553	3758938	0.00294	0.06	0.00135	0.03	464553	3758938	0.02	0.1023
465553	3758938	0.00307	0.06	0.00139	0.03	465553	3758938	0.02	0.1061
466553	3758938	0.00303	0.06	0.00146	0.03	466553	3758938	0.02	0.1075
467553	3758938	0.00318	0.06	0.00146	0.03	467553	3758938	0.02	0.1109
468553	3758938	0.00414	0.08	0.00149	0.03	468553	3758938	0.02	0.1302
469553	3758938	0.00507	0.10	0.00199	0.04	469553	3758938	0.02	0.1594
470553	3758938	0.00578	0.11	0.00252	0.06	470553	3758938	0.02	0.1855
471553	3758938	0.00605	0.11	0.00294	0.06	471553	3758938	0.02	0.2014
472553	3758938	0.00431	0.08	0.00265	0.06	472553	3758938	0.03	0.1721
473553	3758938	0.00397	0.07	0.00212	0.05	473553	3758938	0.03	0.1498
474553	3758938	0.00599	0.11	0.0028	0.06	474553	3758938	0.04	0.2126
475553	3758938	0.00842	0.16	0.00379	0.08	475553	3758938	0.05	0.2877
476553	3758938	0.00989	0.19	0.00468	0.10	476553	3758938	0.05	0.3367
477553	3758938	0.00883	0.17	0.00473	0.10	477553	3758938	0.05	0.3163
478553	3758938	0.00828	0.16	0.00468	0.10	478553	3758938	0.05	0.3105
479553	3758938	0.00691	0.13	0.00296	0.07	479553	3758938	0.05	0.2403
480553	3758938	0.01002	0.19	0.00428	0.09	480553	3758938	0.05	0.3274
481553	3758938	0.00916	0.17	0.00481	0.11	481553	3758938	0.05	0.3278
482553	3758938	0.00892	0.17	0.0046	0.10	482553	3758938	0.05	0.3149
483553	3758938	0.01	0.19	0.0052	0.11	483553	3758938	0.05	0.3470
484553	3758938	0.01049	0.20	0.00615	0.14	484553	3758938	0.06	0.3958
485553	3758938	0.01306	0.25	0.00568	0.12	485553	3758938	0.08	0.4474
486553	3758938	0.0122	0.23	0.00587	0.13	486553	3758938	0.07	0.4300
487553	3758938	0.02155	0.40	0.00578	0.13	487553	3758938	0.07	0.6036
488553	3758938	0.01178	0.22	0.00683	0.15	488553	3758938	0.06	0.4290
489553	3758938	0.01244	0.23	0.00784	0.17	489553	3758938	0.06	0.4621
490553	3758938	0.01305	0.24	0.00585	0.13	490553	3758938	0.07	0.4422
491553	3758938	0.01135	0.21	0.00446	0.10	491553	3758938	0.05	0.3652
492553	3758938	0.00943	0.18	0.00514	0.11	492553	3758938	0.05	0.3412

493553	3758938	0.00719	0.13	0.00531	0.12	493553	3758938	0.04	0.2890
494553	3758938	0.00954	0.18	0.00388	0.09	494553	3758938	0.03	0.2983
495553	3758938	0.00753	0.14	0.00426	0.09	495553	3758938	0.03	0.2676
496553	3758938	0.00867	0.16	0.00357	0.08	496553	3758938	0.03	0.2721
497553	3758938	0.00715	0.13	0.00394	0.09	497553	3758938	0.03	0.2493
498553	3758938	0.00506	0.09	0.00256	0.06	498553	3758938	0.03	0.1787
499553	3758938	0.007	0.13	0.00345	0.08	499553	3758938	0.02	0.2320
500553	3758938	0.00624	0.12	0.00275	0.06	500553	3758938	0.02	0.2012
501553	3758938	0.00623	0.12	0.00308	0.07	501553	3758938	0.02	0.2054
502553	3758938	0.00372	0.07	0.00194	0.04	502553	3758938	0.02	0.1300
503553	3758938	0.00445	0.08	0.00211	0.05	503553	3758938	0.02	0.1472
504553	3758938	0.00416	0.08	0.00204	0.04	504553	3758938	0.02	0.1384
505553	3758938	0.00277	0.05	0.00138	0.03	505553	3758938	0.01	0.0971
461553	3759938	0.00259	0.05	0.00118	0.03	461553	3759938	0.01	0.0892
462553	3759938	0.00264	0.05	0.00121	0.03	462553	3759938	0.01	0.0910
463553	3759938	0.0027	0.05	0.00131	0.03	463553	3759938	0.02	0.0954
464553	3759938	0.00267	0.05	0.00124	0.03	464553	3759938	0.02	0.0929
465553	3759938	0.00345	0.06	0.00124	0.03	465553	3759938	0.02	0.1080
466553	3759938	0.00421	0.08	0.00161	0.04	466553	3759938	0.02	0.1307
467553	3759938	0.0048	0.09	0.00198	0.04	467553	3759938	0.02	0.1504
468553	3759938	0.00494	0.09	0.00228	0.05	468553	3759938	0.02	0.1602
469553	3759938	0.0048	0.09	0.00244	0.05	469553	3759938	0.02	0.1619
470553	3759938	0.00424	0.08	0.00237	0.05	470553	3759938	0.02	0.1508
471553	3759938	0.00492	0.09	0.00207	0.05	471553	3759938	0.02	0.1581
472553	3759938	0.00448	0.08	0.00205	0.05	472553	3759938	0.03	0.1575
473553	3759938	0.00427	0.08	0.0019	0.04	473553	3759938	0.02	0.1442
474553	3759938	0.00781	0.15	0.0031	0.07	474553	3759938	0.04	0.2527
475553	3759938	0.0067	0.13	0.00469	0.10	475553	3759938	0.04	0.2646
476553	3759938	0.00759	0.14	0.0037	0.08	476553	3759938	0.04	0.2683
477553	3759938	0.00448	0.08	0.00273	0.06	477553	3759938	0.03	0.1785
478553	3759938	0.0066	0.12	0.00288	0.06	478553	3759938	0.05	0.2385
479553	3759938	0.008	0.15	0.00358	0.08	479553	3759938	0.04	0.2661
480553	3759938	0.00739	0.14	0.00377	0.08	480553	3759938	0.04	0.2589
481553	3759938	0.00497	0.09	0.00413	0.09	481553	3759938	0.04	0.2222
482553	3759938	0.00705	0.13	0.00358	0.08	482553	3759938	0.04	0.2489
483553	3759938	0.00758	0.14	0.00345	0.08	483553	3759938	0.04	0.2586
484553	3759938	0.01079	0.20	0.00455	0.10	484553	3759938	0.05	0.3565
485553	3759938	0.01316	0.25	0.00656	0.14	485553	3759938	0.07	0.4652
486553	3759938	0.01466	0.28	0.00749	0.16	486553	3759938	0.10	0.5352
487553	3759938	0.02	0.38	0.00637	0.14	487553	3759938	0.07	0.5902
488553	3759938	0.0165	0.31	0.01061	0.23	488553	3759938	0.08	0.6268
489553	3759938	0.01732	0.33	0.00646	0.14	489553	3759938	0.06	0.5271
490553	3759938	0.0114	0.21	0.00549	0.12	490553	3759938	0.06	0.3988
491553	3759938	0.01146	0.22	0.00389	0.09	491553	3759938	0.04	0.3443
492553	3759938	0.00879	0.16	0.00388	0.09	492553	3759938	0.04	0.2861
493553	3759938	0.00718	0.13	0.00388	0.09	493553	3759938	0.04	0.2561
494553	3759938	0.00645	0.12	0.0045	0.10	494553	3759938	0.03	0.2487
495553	3759938	0.00688	0.13	0.0024	0.05	495553	3759938	0.03	0.2092
496553	3759938	0.00733	0.14	0.00355	0.08	496553	3759938	0.02	0.2400
497553	3759938	0.00557	0.10	0.00253	0.06	497553	3759938	0.02	0.1845
498553	3759938	0.00769	0.14	0.0034	0.07	498553	3759938	0.02	0.2418
499553	3759938	0.00523	0.10	0.003	0.07	499553	3759938	0.02	0.1870
500553	3759938	0.00385	0.07	0.00192	0.04	500553	3759938	0.02	0.1365
501553	3759938	0.00589	0.11	0.00273	0.06	501553	3759938	0.02	0.1908
502553	3759938	0.00435	0.08	0.00234	0.05	502553	3759938	0.02	0.1509
503553	3759938	0.00514	0.10	0.00245	0.05	503553	3759938	0.02	0.1663
504553	3759938	0.00368	0.07	0.00188	0.04	504553	3759938	0.02	0.1255
505553	3759938	0.00285	0.05	0.0013	0.03	505553	3759938	0.01	0.0946
461553	3760938	0.00231	0.04	0.00108	0.02	461553	3760938	0.01	0.0802
462553	3760938	0.00292	0.05	0.00106	0.02	462553	3760938	0.01	0.0914
463553	3760938	0.00352	0.07	0.00135	0.03	463553	3760938	0.01	0.1092
464553	3760938	0.00411	0.08	0.00168	0.04	464553	3760938	0.01	0.1281
465553	3760938	0.00437	0.08	0.00191	0.04	465553	3760938	0.01	0.1382
466553	3760938	0.00437	0.08	0.00206	0.05	466553	3760938	0.01	0.1419
467553	3760938	0.00403	0.08	0.00207	0.05	467553	3760938	0.02	0.1362
468553	3760938	0.00355	0.07	0.00192	0.04	468553	3760938	0.02	0.1245
469553	3760938	0.00413	0.08	0.00174	0.04	469553	3760938	0.02	0.1322
470553	3760938	0.00465	0.09	0.00212	0.05	470553	3760938	0.02	0.1519
471553	3760938	0.00479	0.09	0.00238	0.05	471553	3760938	0.02	0.1618
472553	3760938	0.00609	0.11	0.00265	0.06	472553	3760938	0.03	0.2031
473553	3760938	0.0054	0.10	0.00317	0.07	473553	3760938	0.03	0.1995
474553	3760938	0.00616	0.12	0.00302	0.07	474553	3760938	0.04	0.2184
475553	3760938	0.00575	0.11	0.00328	0.07	475553	3760938	0.04	0.2192
476553	3760938	0.00395	0.07	0.00235	0.05	476553	3760938	0.03	0.1532
477553	3760938	0.00541	0.10	0.00276	0.06	477553	3760938	0.03	0.1895
478553	3760938	0.00683	0.13	0.00324	0.07	478553	3760938	0.04	0.2436
479553	3760938	0.00775	0.15	0.00356	0.08	479553	3760938	0.04	0.2649
480553	3760938	0.00529	0.10	0.00306	0.07	480553	3760938	0.03	0.2005
481553	3760938	0.00653	0.12	0.00259	0.06	481553	3760938	0.03	0.2125
482553	3760938	0.0067	0.13	0.00343	0.08	482553	3760938	0.04	0.2410
483553	3760938	0.00697	0.13	0.00474	0.10	483553	3760938	0.05	0.2801
484553	3760938	0.00892	0.17	0.00477	0.10	484553	3760938	0.07	0.3385
485553	3760938	0.01119	0.21	0.00761	0.17	485553	3760938	0.07	0.4494
486553	3760938	0.01271	0.24	0.00665	0.15	486553	3760938	0.07	0.4505
487553	3760938	0.01683	0.32	0.00703	0.15	487553	3760938	0.07	0.5373
488553	3760938	0.01312	0.25	0.00958	0.21	488553	3760938	0.05	0.5113
489553	3760938	0.01023	0.19	0.00447	0.10	489553	3760938	0.04	0.3309
490553	3760938	0.00865	0.16	0.00484	0.11	490553	3760938	0.04	0.3054
491553	3760938	0.00595	0.11	0.0039	0.09	491553	3760938	0.04	0.2380
492553	3760938	0.00692	0.13	0.00444	0.10	492553	3760938	0.04	0.2703

493553	3760938	0.00663	0.12	0.0035	0.08	493553	3760938	0.03	0.2300
494553	3760938	0.00613	0.12	0.00316	0.07	494553	3760938	0.03	0.2127
495553	3760938	0.00636	0.12	0.00387	0.09	495553	3760938	0.03	0.2295
496553	3760938	0.00464	0.09	0.00193	0.04	496553	3760938	0.02	0.1536
497553	3760938	0.00661	0.12	0.00331	0.07	497553	3760938	0.02	0.2188
498553	3760938	0.00519	0.10	0.00316	0.07	498553	3760938	0.02	0.1867
499553	3760938	0.00427	0.08	0.00213	0.05	499553	3760938	0.02	0.1471
500553	3760938	0.00368	0.07	0.00193	0.04	500553	3760938	0.02	0.1312
501553	3760938	0.00395	0.07	0.00196	0.04	501553	3760938	0.02	0.1338
502553	3760938	0.0031	0.06	0.00149	0.03	502553	3760938	0.02	0.1076
503553	3760938	0.00477	0.09	0.00217	0.05	503553	3760938	0.01	0.1515
504553	3760938	0.00398	0.07	0.00206	0.05	504553	3760938	0.01	0.1336
505553	3760938	0.00299	0.06	0.00143	0.03	505553	3760938	0.01	0.1008
461553	3761938	0.00356	0.07	0.00144	0.03	461553	3761938	0.01	0.1104
462553	3761938	0.00387	0.07	0.00166	0.04	462553	3761938	0.01	0.1213
463553	3761938	0.00396	0.07	0.00181	0.04	463553	3761938	0.01	0.1265
464553	3761938	0.00381	0.07	0.00186	0.04	464553	3761938	0.01	0.1251
465553	3761938	0.00341	0.06	0.0018	0.04	465553	3761938	0.01	0.1166
466553	3761938	0.00316	0.06	0.00161	0.04	466553	3761938	0.01	0.1081
467553	3761938	0.0036	0.07	0.00151	0.03	467553	3761938	0.01	0.1146
468553	3761938	0.0038	0.07	0.00173	0.04	468553	3761938	0.01	0.1236
469553	3761938	0.00376	0.07	0.00186	0.04	469553	3761938	0.01	0.1263
470553	3761938	0.00459	0.09	0.00193	0.04	470553	3761938	0.02	0.1460
471553	3761938	0.00649	0.12	0.00292	0.06	471553	3761938	0.02	0.2101
472553	3761938	0.00489	0.09	0.0032	0.07	472553	3761938	0.03	0.1933
473553	3761938	0.00528	0.10	0.00218	0.05	473553	3761938	0.03	0.1726
474553	3761938	0.00559	0.10	0.00303	0.07	474553	3761938	0.03	0.2054
475553	3761938	0.00375	0.07	0.0022	0.05	475553	3761938	0.02	0.1411
476553	3761938	0.00486	0.09	0.00233	0.05	476553	3761938	0.03	0.1727
477553	3761938	0.00609	0.11	0.00302	0.07	477553	3761938	0.04	0.2220
478553	3761938	0.00875	0.16	0.00419	0.09	478553	3761938	0.04	0.3001
479553	3761938	0.0057	0.11	0.00345	0.08	479553	3761938	0.04	0.2221
480553	3761938	0.0062	0.12	0.0024	0.05	480553	3761938	0.03	0.1999
481553	3761938	0.00687	0.13	0.00464	0.10	481553	3761938	0.05	0.2760
482553	3761938	0.00861	0.16	0.00343	0.08	482553	3761938	0.05	0.2841
483553	3761938	0.00898	0.17	0.0042	0.09	483553	3761938	0.07	0.3275
484553	3761938	0.00845	0.16	0.00412	0.09	484553	3761938	0.06	0.3141
485553	3761938	0.00986	0.19	0.00682	0.15	485553	3761938	0.07	0.4030
486553	3761938	0.00993	0.19	0.00569	0.13	486553	3761938	0.05	0.3628
487553	3761938	0.01042	0.20	0.00551	0.12	487553	3761938	0.05	0.3699
488553	3761938	0.01077	0.20	0.00688	0.15	488553	3761938	0.04	0.3959
489553	3761938	0.00707	0.13	0.00409	0.09	489553	3761938	0.04	0.2609
490553	3761938	0.00788	0.15	0.0047	0.10	490553	3761938	0.03	0.2814
491553	3761938	0.00765	0.14	0.00336	0.07	491553	3761938	0.03	0.2500
492553	3761938	0.00659	0.12	0.00261	0.06	492553	3761938	0.04	0.2172
493553	3761938	0.00525	0.10	0.00359	0.08	493553	3761938	0.03	0.2027
494553	3761938	0.00483	0.09	0.00291	0.06	494553	3761938	0.02	0.1765
495553	3761938	0.00564	0.11	0.00258	0.06	495553	3761938	0.02	0.1846
496553	3761938	0.0065	0.12	0.00361	0.08	496553	3761938	0.02	0.2239
497553	3761938	0.00369	0.07	0.00177	0.04	497553	3761938	0.02	0.1282
498553	3761938	0.00596	0.11	0.00249	0.05	498553	3761938	0.02	0.1874
499553	3761938	0.00576	0.11	0.00262	0.06	499553	3761938	0.02	0.1814
500553	3761938	0.00357	0.07	0.00166	0.04	500553	3761938	0.01	0.1173
501553	3761938	0.00324	0.06	0.00139	0.03	501553	3761938	0.02	0.1083
502553	3761938	0.00298	0.06	0.00141	0.03	502553	3761938	0.01	0.1012
503553	3761938	0.00311	0.06	0.00156	0.03	503553	3761938	0.01	0.1067
504553	3761938	0.00253	0.05	0.00115	0.03	504553	3761938	0.01	0.0864
505553	3761938	0.00371	0.07	0.00167	0.04	505553	3761938	0.01	0.1181
461553	3762938	0.00368	0.07	0.00174	0.04	461553	3762938	0.01	0.1186
462553	3762938	0.00344	0.06	0.00173	0.04	462553	3762938	0.01	0.1142
463553	3762938	0.003	0.06	0.00161	0.04	463553	3762938	0.01	0.1035
464553	3762938	0.00288	0.05	0.00139	0.03	464553	3762938	0.01	0.0965
465553	3762938	0.00323	0.06	0.00137	0.03	465553	3762938	0.01	0.1029
466553	3762938	0.00342	0.06	0.00153	0.03	466553	3762938	0.01	0.1102
467553	3762938	0.00334	0.06	0.00162	0.04	467553	3762938	0.01	0.1109
468553	3762938	0.00375	0.07	0.00158	0.03	468553	3762938	0.01	0.1193
469553	3762938	0.00383	0.07	0.00189	0.04	469553	3762938	0.02	0.1297
470553	3762938	0.00405	0.08	0.00194	0.04	470553	3762938	0.02	0.1369
471553	3762938	0.00418	0.08	0.00201	0.04	471553	3762938	0.02	0.1431
472553	3762938	0.00452	0.08	0.00215	0.05	472553	3762938	0.02	0.1545
473553	3762938	0.0043	0.08	0.0022	0.05	473553	3762938	0.02	0.1534
474553	3762938	0.00417	0.08	0.00221	0.05	474553	3762938	0.03	0.1567
475553	3762938	0.00698	0.13	0.00287	0.06	475553	3762938	0.04	0.2317
476553	3762938	0.00754	0.14	0.00313	0.07	476553	3762938	0.03	0.2388
477553	3762938	0.00834	0.16	0.004	0.09	477553	3762938	0.03	0.2749
478553	3762938	0.00754	0.14	0.00373	0.08	478553	3762938	0.04	0.2607
479553	3762938	0.0043	0.08	0.00281	0.06	479553	3762938	0.03	0.1748
480553	3762938	0.00656	0.12	0.00303	0.07	480553	3762938	0.04	0.2277
481553	3762938	0.00694	0.13	0.0033	0.07	481553	3762938	0.04	0.2393
482553	3762938	0.00706	0.13	0.00442	0.10	482553	3762938	0.05	0.2768
483553	3762938	0.00826	0.15	0.00328	0.07	483553	3762938	0.06	0.2842
484553	3762938	0.0079	0.15	0.00344	0.08	484553	3762938	0.05	0.2765
485553	3762938	0.00863	0.16	0.00517	0.11	485553	3762938	0.07	0.3445
486553	3762938	0.00896	0.17	0.00507	0.11	486553	3762938	0.04	0.3199
487553	3762938	0.00813	0.15	0.00498	0.11	487553	3762938	0.05	0.3093
488553	3762938	0.01572	0.29	0.00546	0.12	488553	3762938	0.05	0.4692
489553	3762938	0.00882	0.17	0.00566	0.12	489553	3762938	0.05	0.3365
490553	3762938	0.01063	0.20	0.00394	0.09	490553	3762938	0.04	0.3232
491553	3762938	0.00702	0.13	0.00341	0.07	491553	3762938	0.03	0.2378
492553	3762938	0.00526	0.10	0.0035	0.08	492553	3762938	0.03	0.2056

493553	3762938	0.00708	0.13	0.00242	0.05	493553	3762938	0.03	0.2196
494553	3762938	0.00481	0.09	0.00232	0.05	494553	3762938	0.02	0.1638
495553	3762938	0.00416	0.08	0.00251	0.06	495553	3762938	0.02	0.1525
496553	3762938	0.00488	0.09	0.00235	0.05	496553	3762938	0.02	0.1626
497553	3762938	0.00614	0.12	0.00306	0.07	497553	3762938	0.02	0.2028
498553	3762938	0.00344	0.06	0.00154	0.03	498553	3762938	0.02	0.1169
499553	3762938	0.00444	0.08	0.00157	0.03	499553	3762938	0.02	0.1356
500553	3762938	0.00473	0.09	0.00223	0.05	500553	3762938	0.01	0.1526
501553	3762938	0.00346	0.06	0.0021	0.05	501553	3762938	0.01	0.1251
502553	3762938	0.00284	0.05	0.00159	0.03	502553	3762938	0.01	0.1026
503553	3762938	0.00278	0.05	0.00126	0.03	503553	3762938	0.01	0.0932
504553	3762938	0.00245	0.05	0.00109	0.02	504553	3762938	0.01	0.0826
505553	3762938	0.00197	0.04	0.001	0.02	505553	3762938	0.01	0.0702
461553	3763938	0.0027	0.05	0.00146	0.03	461553	3763938	0.01	0.0937
462553	3763938	0.00298	0.06	0.00136	0.03	462553	3763938	0.01	0.0978
463553	3763938	0.00303	0.06	0.00129	0.03	463553	3763938	0.01	0.0964
464553	3763938	0.00317	0.06	0.00142	0.03	464553	3763938	0.01	0.1019
465553	3763938	0.00305	0.06	0.00147	0.03	465553	3763938	0.01	0.1008
466553	3763938	0.00343	0.06	0.00143	0.03	466553	3763938	0.01	0.1085
467553	3763938	0.00367	0.07	0.00164	0.04	467553	3763938	0.01	0.1191
468553	3763938	0.00393	0.07	0.00172	0.04	468553	3763938	0.02	0.1273
469553	3763938	0.00333	0.06	0.00187	0.04	469553	3763938	0.02	0.1209
470553	3763938	0.00407	0.08	0.00163	0.04	470553	3763938	0.02	0.1309
471553	3763938	0.00386	0.07	0.00204	0.04	471553	3763938	0.02	0.1375
472553	3763938	0.00391	0.07	0.00199	0.04	472553	3763938	0.02	0.1398
473553	3763938	0.00405	0.08	0.00186	0.04	473553	3763938	0.03	0.1445
474553	3763938	0.00537	0.10	0.00203	0.04	474553	3763938	0.02	0.1690
475553	3763938	0.00646	0.12	0.00271	0.06	475553	3763938	0.02	0.2052
476553	3763938	0.00718	0.13	0.00341	0.07	476553	3763938	0.03	0.2361
477553	3763938	0.00625	0.12	0.00318	0.07	477553	3763938	0.03	0.2207
478553	3763938	0.0043	0.08	0.00255	0.06	478553	3763938	0.03	0.1669
479553	3763938	0.00672	0.13	0.00294	0.06	479553	3763938	0.04	0.2289
480553	3763938	0.00528	0.10	0.00318	0.07	480553	3763938	0.03	0.1962
481553	3763938	0.00609	0.11	0.00252	0.06	481553	3763938	0.03	0.2035
482553	3763938	0.00478	0.09	0.00297	0.07	482553	3763938	0.04	0.1975
483553	3763938	0.00646	0.12	0.00268	0.06	483553	3763938	0.05	0.2273
484553	3763938	0.00997	0.19	0.00402	0.09	484553	3763938	0.05	0.3229
485553	3763938	0.00687	0.13	0.00426	0.09	485553	3763938	0.04	0.2667
486553	3763938	0.00684	0.13	0.00347	0.08	486553	3763938	0.03	0.2332
487553	3763938	0.00513	0.10	0.00357	0.08	487553	3763938	0.04	0.2106
488553	3763938	0.01243	0.23	0.00396	0.09	488553	3763938	0.03	0.3520
489553	3763938	0.0071	0.13	0.00463	0.10	489553	3763938	0.04	0.2724
490553	3763938	0.00691	0.13	0.00371	0.08	490553	3763938	0.04	0.2465
491553	3763938	0.0058	0.11	0.00432	0.09	491553	3763938	0.03	0.2308
492553	3763938	0.00678	0.13	0.00302	0.07	492553	3763938	0.02	0.2185
493553	3763938	0.00426	0.08	0.00245	0.05	493553	3763938	0.03	0.1668
494553	3763938	0.00608	0.11	0.00283	0.06	494553	3763938	0.02	0.2006
495553	3763938	0.00458	0.09	0.00202	0.04	495553	3763938	0.02	0.1503
496553	3763938	0.00381	0.07	0.00205	0.05	496553	3763938	0.02	0.1340
497553	3763938	0.00429	0.08	0.00206	0.05	497553	3763938	0.02	0.1430
498553	3763938	0.00569	0.11	0.0026	0.06	498553	3763938	0.02	0.1823
499553	3763938	0.00286	0.05	0.00139	0.03	499553	3763938	0.02	0.1004
500553	3763938	0.00316	0.06	0.00137	0.03	500553	3763938	0.01	0.1037
501553	3763938	0.00406	0.08	0.00192	0.04	501553	3763938	0.01	0.1321
502553	3763938	0.00352	0.07	0.00171	0.04	502553	3763938	0.01	0.1134
503553	3763938	0.00273	0.05	0.00123	0.03	503553	3763938	0.01	0.0879
504553	3763938	0.00202	0.04	0.001	0.02	504553	3763938	0.01	0.0712
505553	3763938	0.00201	0.04	0.001	0.02	505553	3763938	0.01	0.0683
461553	3764938	0.00287	0.05	0.00123	0.03	461553	3764938	0.01	0.0913
462553	3764938	0.00315	0.06	0.00141	0.03	462553	3764938	0.01	0.1010
463553	3764938	0.00305	0.06	0.00146	0.03	463553	3764938	0.01	0.1005
464553	3764938	0.00314	0.06	0.00136	0.03	464553	3764938	0.01	0.1008
465553	3764938	0.0035	0.07	0.00148	0.03	465553	3764938	0.01	0.1113
466553	3764938	0.00354	0.07	0.00162	0.04	466553	3764938	0.01	0.1161
467553	3764938	0.00349	0.07	0.00168	0.04	467553	3764938	0.02	0.1175
468553	3764938	0.00348	0.07	0.00162	0.04	468553	3764938	0.02	0.1171
469553	3764938	0.0039	0.07	0.00169	0.04	469553	3764938	0.02	0.1273
470553	3764938	0.00349	0.07	0.00183	0.04	470553	3764938	0.02	0.1238
471553	3764938	0.00322	0.06	0.00174	0.04	471553	3764938	0.02	0.1181
472553	3764938	0.00383	0.07	0.00157	0.03	472553	3764938	0.02	0.1307
473553	3764938	0.00502	0.09	0.00195	0.04	473553	3764938	0.02	0.1589
474553	3764938	0.00562	0.11	0.00238	0.05	474553	3764938	0.02	0.1790
475553	3764938	0.0063	0.12	0.00288	0.06	475553	3764938	0.02	0.2060
476553	3764938	0.00606	0.11	0.00297	0.07	476553	3764938	0.03	0.2061
477553	3764938	0.00542	0.10	0.00283	0.06	477553	3764938	0.03	0.1957
478553	3764938	0.00483	0.09	0.00226	0.05	478553	3764938	0.03	0.1686
479553	3764938	0.00548	0.10	0.00283	0.06	479553	3764938	0.02	0.1881
480553	3764938	0.00495	0.09	0.00224	0.05	480553	3764938	0.03	0.1701
481553	3764938	0.00526	0.10	0.0025	0.05	481553	3764938	0.03	0.1863
482553	3764938	0.00482	0.09	0.00223	0.05	482553	3764938	0.04	0.1801
483553	3764938	0.00601	0.11	0.00355	0.08	483553	3764938	0.05	0.2369
484553	3764938	0.00864	0.16	0.00394	0.09	484553	3764938	0.04	0.2918
485553	3764938	0.00732	0.14	0.00392	0.09	485553	3764938	0.04	0.2649
486553	3764938	0.00703	0.13	0.00356	0.08	486553	3764938	0.03	0.2428
487553	3764938	0.00556	0.10	0.00363	0.08	487553	3764938	0.04	0.2216
488553	3764938	0.01007	0.19	0.00343	0.08	488553	3764938	0.03	0.2937
489553	3764938	0.00791	0.15	0.00543	0.12	489553	3764938	0.03	0.3010
490553	3764938	0.00544	0.10	0.00333	0.07	490553	3764938	0.03	0.2072
491553	3764938	0.00822	0.15	0.00291	0.06	491553	3764938	0.02	0.2416
492553	3764938	0.00564	0.11	0.00229	0.05	492553	3764938	0.02	0.1810

493553	3764938	0.00475	0.09	0.00288	0.06	493553	3764938	0.02	0.1747
494553	3764938	0.00417	0.08	0.00171	0.04	494553	3764938	0.02	0.1388
495553	3764938	0.00404	0.08	0.00273	0.06	495553	3764938	0.02	0.1554
496553	3764938	0.0041	0.08	0.00167	0.04	496553	3764938	0.02	0.1318
497553	3764938	0.00346	0.06	0.00165	0.04	497553	3764938	0.01	0.1161
498553	3764938	0.0038	0.07	0.0015	0.03	498553	3764938	0.01	0.1184
499553	3764938	0.00503	0.09	0.00214	0.05	499553	3764938	0.01	0.1544
500553	3764938	0.00243	0.05	0.00145	0.03	500553	3764938	0.01	0.0892
501553	3764938	0.00207	0.04	0.00097	0.02	501553	3764938	0.01	0.0689
502553	3764938	0.00174	0.03	0.00082	0.02	502553	3764938	0.01	0.0575
503553	3764938	0.00163	0.03	0.00079	0.02	503553	3764938	0.01	0.0548
504553	3764938	0.00181	0.03	0.00083	0.02	504553	3764938	0.01	0.0588
505553	3764938	0.00142	0.03	0.00075	0.02	505553	3764938	0.00	0.0481
461553	3765938	0.0028	0.05	0.00133	0.03	461553	3765938	0.01	0.0920
462553	3765938	0.00305	0.06	0.00139	0.03	462553	3765938	0.01	0.0998
463553	3765938	0.00331	0.06	0.00135	0.03	463553	3765938	0.01	0.1040
464553	3765938	0.0032	0.06	0.00155	0.03	464553	3765938	0.01	0.1072
465553	3765938	0.00349	0.07	0.00153	0.03	465553	3765938	0.01	0.1130
466553	3765938	0.0029	0.05	0.00159	0.03	466553	3765938	0.01	0.1037
467553	3765938	0.00358	0.07	0.00137	0.03	467553	3765938	0.02	0.1126
468553	3765938	0.00386	0.07	0.00184	0.04	468553	3765938	0.02	0.1301
469553	3765938	0.00334	0.06	0.00161	0.04	469553	3765938	0.02	0.1147
470553	3765938	0.00276	0.05	0.00157	0.03	470553	3765938	0.02	0.1038
471553	3765938	0.00333	0.06	0.00129	0.03	471553	3765938	0.02	0.1091
472553	3765938	0.00461	0.09	0.00181	0.04	472553	3765938	0.02	0.1460
473553	3765938	0.00493	0.09	0.00211	0.05	473553	3765938	0.02	0.1577
474553	3765938	0.00544	0.10	0.00249	0.05	474553	3765938	0.02	0.1779
475553	3765938	0.00556	0.10	0.00268	0.06	475553	3765938	0.02	0.1865
476553	3765938	0.0049	0.09	0.00262	0.06	476553	3765938	0.02	0.1736
477553	3765938	0.00339	0.06	0.00212	0.05	477553	3765938	0.02	0.1330
478553	3765938	0.00546	0.10	0.00211	0.05	478553	3765938	0.02	0.1696
479553	3765938	0.00395	0.07	0.00248	0.05	479553	3765938	0.02	0.1520
480553	3765938	0.00473	0.09	0.00192	0.04	480553	3765938	0.03	0.1571
481553	3765938	0.00418	0.08	0.00252	0.06	481553	3765938	0.03	0.1676
482553	3765938	0.00529	0.10	0.002	0.04	482553	3765938	0.04	0.1812
483553	3765938	0.00496	0.09	0.0028	0.06	483553	3765938	0.04	0.1927
484553	3765938	0.0068	0.13	0.00351	0.08	484553	3765938	0.04	0.2433
485553	3765938	0.00731	0.14	0.00334	0.07	485553	3765938	0.04	0.2497
486553	3765938	0.00739	0.14	0.00355	0.08	486553	3765938	0.03	0.2509
487553	3765938	0.00601	0.11	0.00367	0.08	487553	3765938	0.04	0.2317
488553	3765938	0.0072	0.14	0.00279	0.06	488553	3765938	0.03	0.2227
489553	3765938	0.00712	0.13	0.00497	0.11	489553	3765938	0.03	0.2702
490553	3765938	0.00594	0.11	0.00289	0.06	490553	3765938	0.03	0.2052
491553	3765938	0.00653	0.12	0.00261	0.06	491553	3765938	0.02	0.2020
492553	3765938	0.00423	0.08	0.0033	0.07	492553	3765938	0.02	0.1712
493553	3765938	0.00582	0.11	0.00233	0.05	493553	3765938	0.02	0.1804
494553	3765938	0.00359	0.07	0.00194	0.04	494553	3765938	0.02	0.1317
495553	3765938	0.00489	0.09	0.00165	0.04	495553	3765938	0.02	0.1472
496553	3765938	0.0034	0.06	0.00214	0.05	496553	3765938	0.02	0.1285
497553	3765938	0.0036	0.07	0.0016	0.04	497553	3765938	0.02	0.1193
498553	3765938	0.00277	0.05	0.00131	0.03	498553	3765938	0.01	0.0925
499553	3765938	0.00284	0.05	0.00095	0.02	499553	3765938	0.01	0.0839
500553	3765938	0.00413	0.08	0.00166	0.04	500553	3765938	0.01	0.1249
501553	3765938	0.00195	0.04	0.00121	0.03	501553	3765938	0.01	0.0724
502553	3765938	0.00127	0.02	0.00066	0.01	502553	3765938	0.00	0.0421
503553	3765938	0.00103	0.02	0.00052	0.01	503553	3765938	0.00	0.0346
504553	3765938	0.00108	0.02	0.00049	0.01	504553	3765938	0.00	0.0351
505553	3765938	0.00132	0.02	0.00059	0.01	505553	3765938	0.00	0.0425
461553	3766938	0.00313	0.06	0.00124	0.03	461553	3766938	0.01	0.0975
462553	3766938	0.00316	0.06	0.00145	0.03	462553	3766938	0.01	0.1033
463553	3766938	0.00331	0.06	0.00145	0.03	463553	3766938	0.01	0.1068
464553	3766938	0.00313	0.06	0.00155	0.03	464553	3766938	0.01	0.1062
465553	3766938	0.00301	0.06	0.00141	0.03	465553	3766938	0.01	0.1013
466553	3766938	0.00344	0.06	0.00145	0.03	466553	3766938	0.01	0.1105
467553	3766938	0.0031	0.06	0.00161	0.04	467553	3766938	0.01	0.1082
468553	3766938	0.00335	0.06	0.00156	0.03	468553	3766938	0.02	0.1139
469553	3766938	0.00247	0.05	0.0014	0.03	469553	3766938	0.02	0.0930
470553	3766938	0.00306	0.06	0.00121	0.03	470553	3766938	0.02	0.1003
471553	3766938	0.00392	0.07	0.00156	0.03	471553	3766938	0.02	0.1242
472553	3766938	0.00446	0.08	0.00192	0.04	472553	3766938	0.02	0.1429
473553	3766938	0.00467	0.09	0.00213	0.05	473553	3766938	0.02	0.1527
474553	3766938	0.00484	0.09	0.00231	0.05	474553	3766938	0.02	0.1616
475553	3766938	0.00448	0.08	0.0023	0.05	475553	3766938	0.02	0.1553
476553	3766938	0.00323	0.06	0.00196	0.04	476553	3766938	0.02	0.1232
477553	3766938	0.00455	0.09	0.00134	0.03	477553	3766938	0.02	0.1327
478553	3766938	0.00413	0.08	0.00238	0.05	478553	3766938	0.02	0.1486
479553	3766938	0.00388	0.07	0.0017	0.04	479553	3766938	0.02	0.1327
480553	3766938	0.00467	0.09	0.00206	0.05	480553	3766938	0.03	0.1596
481553	3766938	0.00365	0.07	0.00214	0.05	481553	3766938	0.03	0.1471
482553	3766938	0.00513	0.10	0.00194	0.04	482553	3766938	0.03	0.1728
483553	3766938	0.00486	0.09	0.00239	0.05	483553	3766938	0.03	0.1755
484553	3766938	0.00559	0.10	0.00263	0.06	484553	3766938	0.03	0.1934
485553	3766938	0.00561	0.11	0.00251	0.06	485553	3766938	0.03	0.1939
486553	3766938	0.00677	0.13	0.00323	0.07	486553	3766938	0.03	0.2298
487553	3766938	0.00678	0.13	0.00369	0.08	487553	3766938	0.04	0.2468
488553	3766938	0.00651	0.12	0.00248	0.05	488553	3766938	0.03	0.2023
489553	3766938	0.00809	0.15	0.00457	0.10	489553	3766938	0.03	0.2789
490553	3766938	0.00512	0.10	0.00271	0.06	490553	3766938	0.02	0.1771
491553	3766938	0.00436	0.08	0.00223	0.05	491553	3766938	0.02	0.1507
492553	3766938	0.0055	0.10	0.00259	0.06	492553	3766938	0.02	0.1764

493553	3766938	0.00411	0.08	0.00148	0.03	493553	3766938	0.02	0.1265
494553	3766938	0.00411	0.08	0.00244	0.05	494553	3766938	0.02	0.1494
495553	3766938	0.00322	0.06	0.00153	0.03	495553	3766938	0.02	0.1115
496553	3766938	0.0046	0.09	0.00184	0.04	496553	3766938	0.02	0.1437
497553	3766938	0.00292	0.05	0.00144	0.03	497553	3766938	0.02	0.1023
498553	3766938	0.00311	0.06	0.00147	0.03	498553	3766938	0.01	0.1035
499553	3766938	0.00239	0.04	0.0011	0.02	499553	3766938	0.01	0.0788
500553	3766938	0.00284	0.05	0.001	0.02	500553	3766938	0.01	0.0853
501553	3766938	0.00334	0.06	0.00139	0.03	501553	3766938	0.01	0.1024
502553	3766938	0.00096	0.02	0.00041	0.01	502553	3766938	0.00	0.0305
503553	3766938	0.00106	0.02	0.00049	0.01	503553	3766938	0.00	0.0340
504553	3766938	0.00095	0.02	0.00042	0.01	504553	3766938	0.00	0.0301
505553	3766938	0.00091	0.02	0.00042	0.01	505553	3766938	0.00	0.0298
461553	3767938	0.00308	0.06	0.00143	0.03	461553	3767938	0.01	0.1012
462553	3767938	0.00319	0.06	0.00146	0.03	462553	3767938	0.01	0.1044
463553	3767938	0.00265	0.05	0.00147	0.03	463553	3767938	0.01	0.0949
464553	3767938	0.00318	0.06	0.00122	0.03	464553	3767938	0.01	0.0997
465553	3767938	0.00332	0.06	0.00151	0.03	465553	3767938	0.01	0.1091
466553	3767938	0.00294	0.06	0.0015	0.03	466553	3767938	0.01	0.1020
467553	3767938	0.00282	0.05	0.00138	0.03	467553	3767938	0.01	0.0977
468553	3767938	0.0024	0.05	0.00126	0.03	468553	3767938	0.01	0.0875
469553	3767938	0.00287	0.05	0.00116	0.03	469553	3767938	0.01	0.0942
470553	3767938	0.00353	0.07	0.00142	0.03	470553	3767938	0.01	0.1119
471553	3767938	0.00397	0.07	0.00172	0.04	471553	3767938	0.02	0.1275
472553	3767938	0.00422	0.08	0.00192	0.04	472553	3767938	0.02	0.1378
473553	3767938	0.0042	0.08	0.00199	0.04	473553	3767938	0.02	0.1398
474553	3767938	0.00397	0.07	0.00198	0.04	474553	3767938	0.02	0.1357
475553	3767938	0.00324	0.06	0.00183	0.04	475553	3767938	0.02	0.1184
476553	3767938	0.00346	0.06	0.00137	0.03	476553	3767938	0.02	0.1112
477553	3767938	0.00436	0.08	0.00199	0.04	477553	3767938	0.02	0.1418
478553	3767938	0.00299	0.06	0.00189	0.04	478553	3767938	0.02	0.1170
479553	3767938	0.00395	0.07	0.0016	0.04	479553	3767938	0.02	0.1311
480553	3767938	0.00396	0.07	0.002	0.04	480553	3767938	0.03	0.1443
481553	3767938	0.00363	0.07	0.00155	0.03	481553	3767938	0.03	0.1318
482553	3767938	0.00463	0.09	0.00209	0.05	482553	3767938	0.03	0.1629
483553	3767938	0.00465	0.09	0.00193	0.04	483553	3767938	0.03	0.1566
484553	3767938	0.00533	0.10	0.00244	0.05	484553	3767938	0.03	0.1816
485553	3767938	0.00511	0.10	0.00237	0.05	485553	3767938	0.03	0.1752
486553	3767938	0.00498	0.09	0.0024	0.05	486553	3767938	0.03	0.1725
487553	3767938	0.006	0.11	0.00319	0.07	487553	3767938	0.03	0.2141
488553	3767938	0.00723	0.14	0.00276	0.06	488553	3767938	0.03	0.2256
489553	3767938	0.0104	0.20	0.00389	0.09	489553	3767938	0.03	0.3106
490553	3767938	0.00516	0.10	0.00313	0.07	490553	3767938	0.02	0.1880
491553	3767938	0.00372	0.07	0.00207	0.05	491553	3767938	0.02	0.1346
492553	3767938	0.00523	0.10	0.00164	0.04	492553	3767938	0.01	0.1489
493553	3767938	0.00278	0.05	0.00204	0.04	493553	3767938	0.01	0.1092
494553	3767938	0.00463	0.09	0.00167	0.04	494553	3767938	0.02	0.1387
495553	3767938	0.00298	0.06	0.00186	0.04	495553	3767938	0.01	0.1110
496553	3767938	0.00282	0.05	0.00129	0.03	496553	3767938	0.02	0.0967
497553	3767938	0.00371	0.07	0.00194	0.04	497553	3767938	0.02	0.1282
498553	3767938	0.00254	0.05	0.00121	0.03	498553	3767938	0.01	0.0864
499553	3767938	0.00265	0.05	0.00131	0.03	499553	3767938	0.01	0.0880
500553	3767938	0.00211	0.04	0.00103	0.02	500553	3767938	0.01	0.0711
501553	3767938	0.00236	0.04	0.00083	0.02	501553	3767938	0.01	0.0709
502553	3767938	0.00204	0.04	0.0012	0.03	502553	3767938	0.01	0.0711
503553	3767938	0.00139	0.03	0.0006	0.01	503553	3767938	0.00	0.0434
504553	3767938	0.00119	0.02	0.00049	0.01	504553	3767938	0.00	0.0363
505553	3767938	0.00069	0.01	0.00034	0.01	505553	3767938	0.00	0.0235
484551.7	3750934	0.04714	0.88	0.02547	0.56	484551.7	3750934	0.12	1.5665
484651.7	3750934	0.04976	0.93	0.02599	0.57	484651.7	3750934	0.12	1.6265
484751.7	3750934	0.04934	0.93	0.01781	0.39	484751.7	3750934	0.11	1.4241
484851.7	3750934	0.06264	1.18	0.01445	0.32	484851.7	3750934	0.10	1.5938
484951.7	3750934	0.07656	1.44	0.01541	0.34	484951.7	3750934	0.10	1.8740
485051.7	3750934	0.08049	1.51	0.01622	0.36	485051.7	3750934	0.09	1.9611
485151.7	3750934	0.07489	1.41	0.01589	0.35	485151.7	3750934	0.09	1.8410
485251.7	3750934	0.07886	1.48	0.02071	0.46	485251.7	3750934	0.09	2.0202
485351.7	3750934	0.08487	1.59	0.02778	0.61	485351.7	3750934	0.08	2.2851
485451.7	3750934	0.08259	1.55	0.03223	0.71	485451.7	3750934	0.08	2.3422
484551.7	3751034	0.06629	1.24	0.02618	0.58	484551.7	3751034	0.13	1.9539
484651.7	3751034	0.05944	1.12	0.02862	0.63	484651.7	3751034	0.13	1.8786
484751.7	3751034	0.04834	0.91	0.02528	0.56	484751.7	3751034	0.12	1.5829
484851.7	3751034	0.05454	1.02	0.01841	0.40	484851.7	3751034	0.11	1.5370
484951.7	3751034	0.07746	1.45	0.01703	0.37	484951.7	3751034	0.12	1.9455
485051.7	3751034	0.08514	1.60	0.01637	0.36	485051.7	3751034	0.11	2.0630
485151.7	3751034	0.08302	1.56	0.01721	0.38	485151.7	3751034	0.09	2.0309
485251.7	3751034	0.08245	1.55	0.01676	0.37	485251.7	3751034	0.09	2.0040
485351.7	3751034	0.08734	1.64	0.02369	0.52	485351.7	3751034	0.09	2.2458
485451.7	3751034	0.09081	1.70	0.03075	0.68	485451.7	3751034	0.08	2.4641
484551.7	3751134	0.07457	1.40	0.02609	0.57	484551.7	3751134	0.14	2.1089
484651.7	3751134	0.07159	1.34	0.02685	0.59	484651.7	3751134	0.14	2.0731
484751.7	3751134	0.06482	1.22	0.02985	0.66	484751.7	3751134	0.14	2.0127
484851.7	3751134	0.05383	1.01	0.02538	0.56	484851.7	3751134	0.12	1.6905
484951.7	3751134	0.07258	1.36	0.02272	0.50	484951.7	3751134	0.13	1.9881
485051.7	3751134	0.08404	1.58	0.01788	0.39	485051.7	3751134	0.12	2.0893
485151.7	3751134	0.0899	1.69	0.01739	0.38	485151.7	3751134	0.11	2.1781
485251.7	3751134	0.08542	1.60	0.01834	0.40	485251.7	3751134	0.09	2.0999
485351.7	3751134	0.08929	1.68	0.01847	0.41	485351.7	3751134	0.09	2.1723
485451.7	3751134	0.09645	1.81	0.02694	0.59	485451.7	3751134	0.09	2.4881
484551.7	3751234	0.07602	1.43	0.03043	0.67	484551.7	3751234	0.14	2.2313
484651.7	3751234	0.07937	1.49	0.02921	0.64	484651.7	3751234	0.14	2.2724

484751.7	3751234	0.07623	1.43	0.02732	0.60	484751.7	3751234	0.14	2.1738
484851.7	3751234	0.06483	1.22	0.03016	0.66	484851.7	3751234	0.14	2.0205
484951.7	3751234	0.0701	1.32	0.02968	0.65	484951.7	3751234	0.14	2.1034
485051.7	3751234	0.08088	1.52	0.02378	0.52	485051.7	3751234	0.13	2.1721
485151.7	3751234	0.08617	1.62	0.01788	0.39	485151.7	3751234	0.11	2.1222
485251.7	3751234	0.09157	1.72	0.01865	0.41	485251.7	3751234	0.10	2.2236
485351.7	3751234	0.09177	1.72	0.01952	0.43	485351.7	3751234	0.09	2.2456
485451.7	3751234	0.09833	1.85	0.02149	0.47	485451.7	3751234	0.09	2.4090
484551.7	3751334	0.08809	1.65	0.03297	0.72	484551.7	3751334	0.14	2.5151
484651.7	3751334	0.08487	1.59	0.03341	0.73	484651.7	3751334	0.14	2.4681
484751.7	3751334	0.08442	1.58	0.03257	0.72	484751.7	3751334	0.15	2.4462
484851.7	3751334	0.0819	1.54	0.03033	0.67	484851.7	3751334	0.15	2.3509
484951.7	3751334	0.07399	1.39	0.03193	0.70	484951.7	3751334	0.15	2.2398
485051.7	3751334	0.07912	1.48	0.03046	0.67	485051.7	3751334	0.14	2.2928
485151.7	3751334	0.08192	1.54	0.02272	0.50	485151.7	3751334	0.13	2.1653
485251.7	3751334	0.09047	1.70	0.01838	0.40	485251.7	3751334	0.10	2.2037
485351.7	3751334	0.0976	1.83	0.01991	0.44	485351.7	3751334	0.10	2.3673
485451.7	3751334	0.10089	1.89	0.02075	0.46	485451.7	3751334	0.10	2.4469
484551.7	3751434	0.09771	1.83	0.03351	0.74	484551.7	3751434	0.14	2.7099
484651.7	3751434	0.09914	1.86	0.03584	0.79	484651.7	3751434	0.14	2.7917
484751.7	3751434	0.09534	1.79	0.03638	0.80	484751.7	3751434	0.15	2.7367
484851.7	3751434	0.0892	1.67	0.03584	0.79	484851.7	3751434	0.15	2.6134
484951.7	3751434	0.08969	1.68	0.03476	0.76	484951.7	3751434	0.15	2.6015
485051.7	3751434	0.07524	1.41	0.03171	0.70	485051.7	3751434	0.15	2.2576
485151.7	3751434	0.07883	1.48	0.02781	0.61	485151.7	3751434	0.14	2.2324
485251.7	3751434	0.08704	1.63	0.02279	0.50	485251.7	3751434	0.13	2.2595
485351.7	3751434	0.10005	1.88	0.01979	0.43	485351.7	3751434	0.11	2.4188
485451.7	3751434	0.10329	1.94	0.02132	0.47	485451.7	3751434	0.10	2.5099
484551.7	3751534	0.10017	1.88	0.03135	0.69	484551.7	3751534	0.14	2.7057
484651.7	3751534	0.1044	1.96	0.03347	0.74	484651.7	3751534	0.14	2.8388
484751.7	3751534	0.11214	2.10	0.03875	0.85	484751.7	3751534	0.15	3.1066
484851.7	3751534	0.11157	2.09	0.04006	0.88	484851.7	3751534	0.15	3.1281
484951.7	3751534	0.10577	1.98	0.04054	0.89	484951.7	3751534	0.16	3.0343
485051.7	3751534	0.099	1.86	0.04075	0.90	485051.7	3751534	0.16	2.9153
485151.7	3751534	0.09016	1.69	0.03733	0.82	485151.7	3751534	0.16	2.6741
485251.7	3751534	0.09476	1.78	0.03057	0.67	485251.7	3751534	0.15	2.6006
485351.7	3751534	0.09907	1.86	0.0243	0.53	485351.7	3751534	0.14	2.5293
485451.7	3751534	0.11049	2.07	0.02141	0.47	485451.7	3751534	0.12	2.6594
484551.7	3751634	0.10339	1.94	0.03068	0.67	484551.7	3751634	0.14	2.7533
484651.7	3751634	0.11048	2.07	0.03323	0.73	484651.7	3751634	0.15	2.9489
484751.7	3751634	0.11652	2.19	0.03578	0.79	484751.7	3751634	0.15	3.1222
484851.7	3751634	0.12104	2.27	0.03823	0.84	484851.7	3751634	0.15	3.2663
484951.7	3751634	0.12807	2.40	0.04298	0.94	484951.7	3751634	0.16	3.5093
485051.7	3751634	0.12312	2.31	0.04234	0.93	485051.7	3751634	0.16	3.4048
485151.7	3751634	0.11836	2.22	0.04581	1.01	485151.7	3751634	0.17	3.3971
485251.7	3751634	0.10151	1.90	0.04267	0.94	485251.7	3751634	0.17	3.0122
485351.7	3751634	0.12055	2.26	0.03539	0.78	485351.7	3751634	0.16	3.2036
485451.7	3751634	0.12021	2.26	0.02776	0.61	485451.7	3751634	0.16	3.0217
484551.7	3751734	0.10339	1.94	0.02945	0.65	484551.7	3751734	0.14	2.7302
484651.7	3751734	0.11268	2.11	0.03221	0.71	484651.7	3751734	0.15	2.9694
484751.7	3751734	0.12242	2.30	0.03525	0.77	484751.7	3751734	0.15	3.2239
484851.7	3751734	0.13059	2.45	0.03826	0.84	484851.7	3751734	0.16	3.4483
484951.7	3751734	0.13734	2.58	0.04126	0.91	484951.7	3751734	0.16	3.6437
485051.7	3751734	0.14225	2.67	0.04411	0.97	485051.7	3751734	0.17	3.8044
485151.7	3751734	0.14805	2.78	0.04912	1.08	485151.7	3751734	0.17	4.0326
485251.7	3751734	0.14108	2.65	0.05123	1.13	485251.7	3751734	0.18	3.9532
485351.7	3751734	0.11859	2.23	0.0483	1.06	485351.7	3751734	0.18	3.4655
485451.7	3751734	0.14257	2.68	0.04022	0.88	485451.7	3751734	0.18	3.7398
484551.7	3751834	0.0998	1.87	0.02778	0.61	484551.7	3751834	0.14	2.6273
484651.7	3751834	0.11126	2.09	0.03066	0.67	484651.7	3751834	0.15	2.9113
484751.7	3751834	0.12282	2.30	0.03377	0.74	484751.7	3751834	0.16	3.2019
484851.7	3751834	0.13497	2.53	0.03724	0.82	484851.7	3751834	0.16	3.5118
484951.7	3751834	0.14474	2.72	0.04058	0.89	484951.7	3751834	0.17	3.7729
485051.7	3751834	0.15624	2.93	0.04448	0.98	485051.7	3751834	0.17	4.0799
485151.7	3751834	0.1649	3.09	0.04812	1.06	485151.7	3751834	0.18	4.3303
485251.7	3751834	0.17529	3.29	0.05487	1.21	485251.7	3751834	0.19	4.6847
485351.7	3751834	0.16257	3.05	0.05642	1.24	485351.7	3751834	0.19	4.4845
485451.7	3751834	0.13305	2.50	0.05287	1.16	485451.7	3751834	0.19	3.8487
484551.7	3751934	0.09539	1.79	0.02634	0.58	484551.7	3751934	0.15	2.5150
484651.7	3751934	0.10742	2.02	0.02905	0.64	484651.7	3751934	0.15	2.8062
484751.7	3751934	0.12092	2.27	0.03216	0.71	484751.7	3751934	0.16	3.1342
484851.7	3751934	0.13434	2.52	0.03547	0.78	484851.7	3751934	0.16	3.4642
484951.7	3751934	0.14878	2.79	0.03927	0.86	484951.7	3751934	0.17	3.8250
485051.7	3751934	0.16442	3.09	0.04357	0.96	485051.7	3751934	0.18	4.2210
485151.7	3751934	0.18006	3.38	0.04818	1.06	485151.7	3751934	0.18	4.6211
485251.7	3751934	0.19305	3.62	0.05264	1.16	485251.7	3751934	0.19	4.9705
485351.7	3751934	0.20911	3.92	0.06035	1.33	485351.7	3751934	0.20	5.4550
485451.7	3751934	0.20089	3.77	0.0635	1.40	485451.7	3751934	0.21	5.3771
484551.7	3752034	0.0901	1.69	0.02515	0.55	484551.7	3752034	0.15	2.3941
484651.7	3752034	0.10228	1.92	0.02768	0.61	484651.7	3752034	0.16	2.6846
484751.7	3752034	0.11429	2.14	0.03024	0.66	484751.7	3752034	0.16	2.9707
484851.7	3752034	0.13038	2.45	0.03364	0.74	484851.7	3752034	0.17	3.3550
484951.7	3752034	0.14917	2.80	0.03767	0.83	484951.7	3752034	0.18	3.8052
485051.7	3752034	0.16564	3.11	0.04165	0.92	485051.7	3752034	0.18	4.2082
485151.7	3752034	0.18665	3.50	0.0467	1.03	485151.7	3752034	0.19	4.7236
485251.7	3752034	0.20815	3.91	0.05218	1.15	485251.7	3752034	0.20	5.2553
485351.7	3752034	0.22764	4.27	0.05763	1.27	485351.7	3752034	0.21	5.7523
485451.7	3752034	0.24489	4.60	0.06673	1.47	485451.7	3752034	0.23	6.2896
484551.7	3752134	0.0807	1.51	0.02345	0.52	484551.7	3752134	0.15	2.1834
484651.7	3752134	0.09278	1.74	0.02592	0.57	484651.7	3752134	0.16	2.4717

484751.7	3752134	0.10625	1.99	0.02861	0.63	484751.7	3752134	0.17	2.7906
484851.7	3752134	0.1223	2.29	0.03175	0.70	484851.7	3752134	0.18	3.1686
484951.7	3752134	0.14121	2.65	0.03543	0.78	484951.7	3752134	0.18	3.6129
485051.7	3752134	0.16169	3.03	0.03951	0.87	485051.7	3752134	0.19	4.0951
485151.7	3752134	0.18577	3.49	0.04444	0.98	485151.7	3752134	0.20	4.6656
485251.7	3752134	0.21442	4.02	0.05038	1.11	485251.7	3752134	0.22	5.3463
485351.7	3752134	0.24288	4.56	0.05671	1.25	485351.7	3752134	0.23	6.0298
485451.7	3752134	0.27058	5.08	0.06333	1.39	485451.7	3752134	0.24	6.7108
484551.7	3752234	0.07135	1.34	0.02182	0.48	484551.7	3752234	0.16	1.9761
484651.7	3752234	0.08163	1.53	0.02401	0.53	484651.7	3752234	0.16	2.2242
484751.7	3752234	0.09503	1.78	0.02671	0.59	484751.7	3752234	0.17	2.5442
484851.7	3752234	0.1091	2.05	0.02946	0.65	484851.7	3752234	0.18	2.8757
484951.7	3752234	0.12672	2.38	0.03278	0.72	484951.7	3752234	0.19	3.2878
485051.7	3752234	0.14413	2.70	0.03612	0.79	485051.7	3752234	0.20	3.6941
485151.7	3752234	0.17538	3.29	0.04166	0.92	485151.7	3752234	0.21	4.4180
485251.7	3752234	0.20335	3.82	0.04695	1.03	485251.7	3752234	0.22	5.0702
485351.7	3752234	0.24007	4.50	0.05381	1.18	485351.7	3752234	0.24	5.9269
485451.7	3752234	0.28075	5.27	0.06158	1.35	485451.7	3752234	0.26	6.8785
484551.7	3752334	0.06154	1.15	0.01993	0.44	484551.7	3752334	0.16	1.7571
484651.7	3752334	0.07075	1.33	0.02203	0.48	484651.7	3752334	0.17	1.9822
484751.7	3752334	0.08131	1.53	0.02432	0.53	484751.7	3752334	0.18	2.2384
484851.7	3752334	0.09386	1.76	0.0269	0.59	484851.7	3752334	0.19	2.5384
484951.7	3752334	0.11042	2.07	0.03009	0.66	484951.7	3752334	0.20	2.9293
485051.7	3752334	0.12998	2.44	0.03369	0.74	485051.7	3752334	0.21	3.3854
485151.7	3752334	0.15601	2.93	0.03821	0.84	485151.7	3752334	0.22	3.9860
485251.7	3752334	0.18608	3.49	0.04338	0.95	485251.7	3752334	0.23	4.6768
485351.7	3752334	0.22495	4.22	0.04992	1.10	485351.7	3752334	0.25	5.5684
485451.7	3752334	0.268	5.03	0.05747	1.26	485451.7	3752334	0.27	6.5616
484551.7	3752434	0.06028	1.13	0.0193	0.42	484551.7	3752434	0.17	1.7297
484651.7	3752434	0.06651	1.25	0.02078	0.46	484651.7	3752434	0.18	1.8874
484751.7	3752434	0.07242	1.36	0.02217	0.49	484751.7	3752434	0.19	2.0330
484851.7	3752434	0.07949	1.49	0.02402	0.53	484851.7	3752434	0.19	2.2128
484951.7	3752434	0.09169	1.72	0.02678	0.59	484951.7	3752434	0.20	2.5101
485051.7	3752434	0.10707	2.01	0.02982	0.66	485051.7	3752434	0.21	2.8742
485151.7	3752434	0.13174	2.47	0.0342	0.75	485151.7	3752434	0.23	3.4502
485251.7	3752434	0.15739	2.95	0.03861	0.85	485251.7	3752434	0.24	4.0390
485351.7	3752434	0.19651	3.69	0.04478	0.98	485351.7	3752434	0.26	4.9295
485451.7	3752434	0.24307	4.56	0.05201	1.14	485451.7	3752434	0.28	5.9853
484551.7	3752534	0.05889	1.11	0.0195	0.43	484551.7	3752534	0.19	1.7188
484651.7	3752534	0.06313	1.18	0.02014	0.44	484651.7	3752534	0.19	1.8178
484751.7	3752534	0.06862	1.29	0.0215	0.47	484751.7	3752534	0.20	1.9556
484851.7	3752534	0.07722	1.45	0.02342	0.51	484851.7	3752534	0.21	2.1695
484951.7	3752534	0.08523	1.60	0.0252	0.55	484951.7	3752534	0.21	2.3648
485051.7	3752534	0.09544	1.79	0.02728	0.60	485051.7	3752534	0.22	2.6112
485151.7	3752534	0.10811	2.03	0.02964	0.65	485151.7	3752534	0.23	2.9126
485251.7	3752534	0.12724	2.39	0.03343	0.73	485251.7	3752534	0.24	3.3661
485351.7	3752534	0.15895	2.98	0.03856	0.85	485351.7	3752534	0.26	4.0922
485451.7	3752534	0.20182	3.79	0.04493	0.99	485451.7	3752534	0.29	5.0605
484551.7	3752634	0.06332	1.19	0.02144	0.47	484551.7	3752634	0.20	1.8558
484651.7	3752634	0.06729	1.26	0.02233	0.49	484651.7	3752634	0.20	1.9544
484751.7	3752634	0.07218	1.35	0.02341	0.51	484751.7	3752634	0.21	2.0804
484851.7	3752634	0.078	1.46	0.02446	0.54	484851.7	3752634	0.22	2.2199
484951.7	3752634	0.0857	1.61	0.02552	0.56	484951.7	3752634	0.23	2.3946
485051.7	3752634	0.0972	1.82	0.02686	0.59	485051.7	3752634	0.24	2.6591
485151.7	3752634	0.11342	2.13	0.02916	0.64	485151.7	3752634	0.25	3.0228
485251.7	3752634	0.13393	2.51	0.03182	0.70	485251.7	3752634	0.26	3.4746
485351.7	3752634	0.15992	3.00	0.03471	0.76	485351.7	3752634	0.27	4.0366
485451.7	3752634	0.19593	3.68	0.03835	0.84	485451.7	3752634	0.29	4.8133
484551.7	3752734	0.0693	1.30	0.02174	0.48	484551.7	3752734	0.20	1.9810
484651.7	3752734	0.07541	1.42	0.02293	0.50	484651.7	3752734	0.21	2.1313
484751.7	3752734	0.0819	1.54	0.02414	0.53	484751.7	3752734	0.22	2.2854
484851.7	3752734	0.09206	1.73	0.02549	0.56	484851.7	3752734	0.23	2.5150
484951.7	3752734	0.10507	1.97	0.02695	0.59	484951.7	3752734	0.24	2.8011
485051.7	3752734	0.12178	2.29	0.0286	0.63	485051.7	3752734	0.25	3.1654
485151.7	3752734	0.1413	2.65	0.03018	0.66	485151.7	3752734	0.26	3.5743
485251.7	3752734	0.16709	3.14	0.03211	0.71	485251.7	3752734	0.28	4.1171
485351.7	3752734	0.19727	3.70	0.03407	0.75	485351.7	3752734	0.29	4.7414
485451.7	3752734	0.23383	4.39	0.03696	0.81	485451.7	3752734	0.31	5.5115
484551.7	3752834	0.07764	1.46	0.02207	0.49	484551.7	3752834	0.21	2.1535
484651.7	3752834	0.08644	1.62	0.02342	0.51	484651.7	3752834	0.22	2.3552
484751.7	3752834	0.09717	1.82	0.02491	0.55	484751.7	3752834	0.23	2.6000
484851.7	3752834	0.11006	2.07	0.02653	0.58	484851.7	3752834	0.24	2.8871
484951.7	3752834	0.12574	2.36	0.02831	0.62	484951.7	3752834	0.25	3.2311
485051.7	3752834	0.1446	2.71	0.03024	0.66	485051.7	3752834	0.26	3.6381
485151.7	3752834	0.1674	3.14	0.0324	0.71	485151.7	3752834	0.27	4.1276
485251.7	3752834	0.19471	3.65	0.03482	0.77	485251.7	3752834	0.30	4.7148
485351.7	3752834	0.22465	4.22	0.03739	0.82	485351.7	3752834	0.31	5.3435
485451.7	3752834	0.26048	4.89	0.04037	0.89	485451.7	3752834	0.33	6.1048
484551.7	3752934	0.08848	1.66	0.02185	0.48	484551.7	3752934	0.21	2.3548
484651.7	3752934	0.09879	1.85	0.02325	0.51	484651.7	3752934	0.22	2.5879
484751.7	3752934	0.11115	2.09	0.0248	0.55	484751.7	3752934	0.24	2.8675
484851.7	3752934	0.12557	2.36	0.02648	0.58	484851.7	3752934	0.24	3.1817
484951.7	3752934	0.14279	2.68	0.02836	0.62	484951.7	3752934	0.26	3.5618
485051.7	3752934	0.16268	3.05	0.03082	0.68	485051.7	3752934	0.27	3.9998
485151.7	3752934	0.18551	3.48	0.03362	0.74	485151.7	3752934	0.29	4.5056
485251.7	3752934	0.21129	3.96	0.03682	0.81	485251.7	3752934	0.30	5.0769
485351.7	3752934	0.23951	4.49	0.04048	0.89	485351.7	3752934	0.32	5.7031
485451.7	3752934	0.27021	5.07	0.04461	0.98	485451.7	3752934	0.34	6.3891
484551.7	3753034	0.09793	1.84	0.02461	0.54	484551.7	3753034	0.23	2.6056
484651.7	3753034	0.10923	2.05	0.02643	0.58	484651.7	3753034	0.23	2.8638

484751.7	3753034	0.12212	2.29	0.02957	0.65	484751.7	3753034	0.25	3.1877
484851.7	3753034	0.1371	2.57	0.03069	0.67	484851.7	3753034	0.25	3.5003
484951.7	3753034	0.15381	2.89	0.03319	0.73	484951.7	3753034	0.27	3.8827
485051.7	3753034	0.17261	3.24	0.03602	0.79	485051.7	3753034	0.28	4.3090
485151.7	3753034	0.19295	3.62	0.03916	0.86	485151.7	3753034	0.30	4.7772
485251.7	3753034	0.21551	4.04	0.04278	0.94	485251.7	3753034	0.31	5.2923
485351.7	3753034	0.24036	4.51	0.04685	1.03	485351.7	3753034	0.33	5.8676
485451.7	3753034	0.2696	5.06	0.05147	1.13	485451.7	3753034	0.35	6.5434
484551.7	3753134	0.10688	2.01	0.02935	0.65	484551.7	3753134	0.23	2.8831
484651.7	3753134	0.11841	2.22	0.03128	0.69	484651.7	3753134	0.24	3.1489
484751.7	3753134	0.129	2.42	0.03308	0.73	484751.7	3753134	0.25	3.3929
484851.7	3753134	0.14297	2.68	0.03386	0.74	484851.7	3753134	0.25	3.6798
484951.7	3753134	0.16024	3.01	0.03838	0.84	484951.7	3753134	0.27	4.1193
485051.7	3753134	0.17623	3.31	0.04125	0.91	485051.7	3753134	0.28	4.4956
485151.7	3753134	0.19303	3.62	0.04481	0.98	485151.7	3753134	0.30	4.9080
485251.7	3753134	0.21014	3.94	0.04592	1.01	485251.7	3753134	0.31	5.2620
485351.7	3753134	0.23109	4.34	0.0511	1.12	485351.7	3753134	0.33	5.7855
485451.7	3753134	0.25371	4.76	0.05758	1.27	485451.7	3753134	0.34	6.3702
484551.7	3753234	0.11087	2.08	0.03107	0.68	484551.7	3753234	0.23	2.9914
484651.7	3753234	0.12157	2.28	0.0328	0.72	484651.7	3753234	0.24	3.2376
484751.7	3753234	0.13312	2.50	0.03498	0.77	484751.7	3753234	0.25	3.5119
484851.7	3753234	0.14527	2.73	0.03735	0.82	484851.7	3753234	0.26	3.8033
484951.7	3753234	0.15796	2.96	0.03937	0.87	484951.7	3753234	0.27	4.0952
485051.7	3753234	0.1711	3.21	0.04189	0.92	485051.7	3753234	0.28	4.4081
485151.7	3753234	0.1848	3.47	0.04612	1.01	485151.7	3753234	0.29	4.7738
485251.7	3753234	0.19746	3.71	0.05116	1.12	485251.7	3753234	0.31	5.1366
485351.7	3753234	0.2132	4.00	0.05728	1.26	485351.7	3753234	0.33	5.5861
485451.7	3753234	0.22408	4.20	0.06487	1.43	485451.7	3753234	0.34	5.9698
484551.7	3753334	0.1118	2.10	0.03111	0.68	484551.7	3753334	0.23	3.0078
484651.7	3753334	0.12128	2.28	0.03262	0.72	484651.7	3753334	0.23	3.2271
484751.7	3753334	0.13129	2.46	0.03409	0.75	484751.7	3753334	0.24	3.4547
484851.7	3753334	0.14133	2.65	0.03687	0.81	484851.7	3753334	0.25	3.7137
484951.7	3753334	0.15135	2.84	0.04015	0.88	484951.7	3753334	0.26	3.9861
485051.7	3753334	0.16085	3.02	0.04392	0.97	485051.7	3753334	0.28	4.2625
485151.7	3753334	0.17063	3.20	0.04885	1.07	485151.7	3753334	0.29	4.5670
485251.7	3753334	0.17895	3.36	0.0547	1.20	485251.7	3753334	0.31	4.8659
485351.7	3753334	0.18433	3.46	0.06159	1.35	485351.7	3753334	0.32	5.1363
485451.7	3753334	0.2184	4.10	0.07008	1.54	485451.7	3753334	0.33	5.9732
484551.7	3753434	0.11072	2.08	0.03201	0.70	484551.7	3753434	0.23	3.0093
484651.7	3753434	0.1186	2.23	0.03437	0.76	484651.7	3753434	0.25	3.2283
484751.7	3753434	0.12611	2.37	0.0366	0.80	484751.7	3753434	0.26	3.4357
484851.7	3753434	0.13347	2.50	0.03852	0.85	484851.7	3753434	0.28	3.6275
484951.7	3753434	0.13947	2.62	0.04091	0.90	484951.7	3753434	0.30	3.8119
485051.7	3753434	0.14522	2.73	0.04546	1.00	485051.7	3753434	0.31	4.0314
485151.7	3753434	0.14974	2.81	0.05106	1.12	485151.7	3753434	0.31	4.2421
485251.7	3753434	0.16143	3.03	0.05756	1.27	485251.7	3753434	0.32	4.6152
485351.7	3753434	0.18869	3.54	0.06486	1.43	485351.7	3753434	0.35	5.3116
485451.7	3753434	0.2171	4.07	0.07334	1.61	485451.7	3753434	0.36	6.0491
484551.7	3753534	0.10716	2.01	0.03279	0.72	484551.7	3753534	0.26	2.9870
484651.7	3753534	0.11325	2.13	0.03376	0.74	484651.7	3753534	0.26	3.1228
484751.7	3753534	0.11821	2.22	0.03525	0.77	484751.7	3753534	0.27	3.2621
484851.7	3753534	0.12073	2.27	0.03809	0.84	484851.7	3753534	0.30	3.4032
484951.7	3753534	0.12357	2.32	0.0423	0.93	484951.7	3753534	0.31	3.5595
485051.7	3753534	0.1255	2.36	0.0475	1.04	485051.7	3753534	0.31	3.7129
485151.7	3753534	0.13992	2.63	0.05309	1.17	485151.7	3753534	0.33	4.1239
485251.7	3753534	0.16366	3.07	0.05958	1.31	485251.7	3753534	0.34	4.7244
485351.7	3753534	0.18543	3.48	0.06631	1.46	485351.7	3753534	0.37	5.3107
485451.7	3753534	0.20298	3.81	0.07347	1.61	485451.7	3753534	0.40	5.8241
484551.7	3753634	0.10063	1.89	0.03033	0.67	484551.7	3753634	0.26	2.8194
484651.7	3753634	0.10242	1.92	0.03227	0.71	484651.7	3753634	0.28	2.9128
484751.7	3753634	0.10671	2.00	0.03648	0.80	484751.7	3753634	0.28	3.0847
484851.7	3753634	0.10689	2.01	0.03996	0.88	484851.7	3753634	0.30	3.1824
484951.7	3753634	0.1062	1.99	0.04423	0.97	484951.7	3753634	0.31	3.2787
485051.7	3753634	0.12154	2.28	0.04904	1.08	485051.7	3753634	0.33	3.6888
485151.7	3753634	0.14063	2.64	0.05422	1.19	485151.7	3753634	0.35	4.1797
485251.7	3753634	0.15964	3.00	0.05978	1.31	485251.7	3753634	0.37	4.6799
485351.7	3753634	0.17657	3.31	0.06572	1.44	485351.7	3753634	0.39	5.1492
485451.7	3753634	0.18738	3.52	0.07171	1.58	485451.7	3753634	0.40	5.4959
484551.7	3753734	0.09117	1.71	0.03248	0.71	484551.7	3753734	0.27	2.6957
484651.7	3753734	0.09187	1.72	0.03521	0.77	484651.7	3753734	0.28	2.7805
484751.7	3753734	0.0922	1.73	0.03754	0.83	484751.7	3753734	0.30	2.8506
484851.7	3753734	0.09055	1.70	0.04115	0.90	484851.7	3753734	0.31	2.9122
484951.7	3753734	0.10659	2.00	0.04547	1.00	484951.7	3753734	0.32	3.3221
485051.7	3753734	0.12545	2.35	0.05022	1.10	485051.7	3753734	0.34	3.7928
485151.7	3753734	0.13643	2.56	0.05365	1.18	485151.7	3753734	0.36	4.0943
485251.7	3753734	0.15519	2.91	0.05911	1.30	485251.7	3753734	0.37	4.5851
485351.7	3753734	0.16614	3.12	0.06376	1.40	485351.7	3753734	0.39	4.9098
485451.7	3753734	0.16872	3.17	0.06749	1.48	485451.7	3753734	0.40	5.0529
484551.7	3753834	0.08069	1.51	0.03492	0.77	484551.7	3753834	0.28	2.5595
484651.7	3753834	0.08011	1.50	0.03628	0.80	484651.7	3753834	0.29	2.5897
484751.7	3753834	0.08044	1.51	0.03889	0.85	484751.7	3753834	0.30	2.6650
484851.7	3753834	0.09148	1.72	0.04181	0.92	484851.7	3753834	0.31	2.9466
484951.7	3753834	0.10986	2.06	0.04613	1.01	484951.7	3753834	0.33	3.4007
485051.7	3753834	0.12498	2.35	0.04986	1.10	485051.7	3753834	0.34	3.7802
485151.7	3753834	0.13733	2.58	0.0534	1.17	485151.7	3753834	0.35	4.1048
485251.7	3753834	0.14819	2.78	0.0569	1.25	485251.7	3753834	0.37	4.4007
485351.7	3753834	0.15513	2.91	0.05941	1.31	485351.7	3753834	0.38	4.5939
485451.7	3753834	0.15078	2.83	0.06001	1.32	485451.7	3753834	0.39	4.5384
484551.7	3753934	0.06901	1.29	0.0334	0.73	484551.7	3753934	0.27	2.2994
484651.7	3753934	0.07151	1.34	0.03668	0.81	484651.7	3753934	0.29	2.4395

484751.7	3753934	0.08336	1.56	0.03953	0.87	484751.7	3753934	0.30	2.7335
484851.7	3753934	0.09763	1.83	0.04266	0.94	484851.7	3753934	0.31	3.0818
484951.7	3753934	0.11067	2.08	0.04551	1.00	484951.7	3753934	0.32	3.3996
485051.7	3753934	0.12612	2.37	0.04879	1.07	485051.7	3753934	0.34	3.7756
485151.7	3753934	0.13626	2.56	0.05101	1.12	485151.7	3753934	0.35	4.0259
485251.7	3753934	0.13535	2.54	0.05139	1.13	485251.7	3753934	0.36	4.0341
485351.7	3753934	0.13383	2.51	0.05075	1.12	485351.7	3753934	0.38	4.0048
485451.7	3753934	0.13073	2.45	0.04853	1.07	485451.7	3753934	0.38	3.9034
484551.7	3754034	0.06165	1.16	0.03405	0.75	484551.7	3754034	0.27	2.1719
484651.7	3754034	0.07776	1.46	0.03754	0.83	484651.7	3754034	0.29	2.5749
484751.7	3754034	0.0902	1.69	0.03988	0.88	484751.7	3754034	0.30	2.8693
484851.7	3754034	0.10351	1.94	0.04221	0.93	484851.7	3754034	0.31	3.1816
484951.7	3754034	0.11442	2.15	0.04399	0.97	484951.7	3754034	0.32	3.4372
485051.7	3754034	0.12153	2.28	0.04489	0.99	485051.7	3754034	0.34	3.6034
485151.7	3754034	0.12875	2.42	0.0452	0.99	485151.7	3754034	0.34	3.7543
485251.7	3754034	0.11896	2.23	0.04243	0.93	485251.7	3754034	0.36	3.5248
485351.7	3754034	0.12147	2.28	0.04373	0.96	485351.7	3754034	0.37	3.6138
485451.7	3754034	0.11731	2.20	0.04354	0.96	485451.7	3754034	0.38	3.5353
484551.7	3754134	0.06782	1.27	0.0343	0.75	484551.7	3754134	0.27	2.2931
484651.7	3754134	0.08194	1.54	0.03664	0.81	484651.7	3754134	0.28	2.6275
484751.7	3754134	0.0928	1.74	0.03805	0.84	484751.7	3754134	0.29	2.8716
484851.7	3754134	0.10283	1.93	0.03911	0.86	484851.7	3754134	0.31	3.0973
484951.7	3754134	0.11094	2.08	0.03947	0.87	484951.7	3754134	0.32	3.2737
485051.7	3754134	0.1158	2.17	0.03881	0.85	485051.7	3754134	0.34	3.3660
485151.7	3754134	0.11349	2.13	0.03832	0.84	485151.7	3754134	0.36	3.3275
485251.7	3754134	0.1069	2.01	0.03873	0.85	485251.7	3754134	0.37	3.2244
485351.7	3754134	0.10774	2.02	0.03832	0.84	485351.7	3754134	0.38	3.2467
485451.7	3754134	0.10049	1.89	0.04622	1.02	485451.7	3754134	0.39	3.2915
484551.7	3754234	0.07499	1.41	0.03341	0.73	484551.7	3754234	0.27	2.4132
484651.7	3754234	0.08359	1.57	0.03404	0.75	484651.7	3754234	0.28	2.5959
484751.7	3754234	0.09271	1.74	0.03454	0.76	484751.7	3754234	0.29	2.7920
484851.7	3754234	0.09897	1.86	0.03417	0.75	484851.7	3754234	0.31	2.9165
484951.7	3754234	0.10236	1.92	0.03324	0.73	484951.7	3754234	0.33	2.9770
485051.7	3754234	0.10198	1.91	0.03455	0.76	485051.7	3754234	0.34	3.0167
485151.7	3754234	0.10309	1.93	0.03496	0.77	485151.7	3754234	0.37	3.0744
485251.7	3754234	0.0983	1.84	0.0338	0.74	485251.7	3754234	0.40	2.9835
485351.7	3754234	0.09365	1.76	0.04162	0.91	485351.7	3754234	0.43	3.0990
485451.7	3754234	0.08672	1.63	0.05063	1.11	485451.7	3754234	0.48	3.2188
484551.7	3754334	0.07763	1.46	0.03071	0.67	484551.7	3754334	0.27	2.4058
484651.7	3754334	0.08532	1.60	0.03066	0.67	484651.7	3754334	0.29	2.5622
484751.7	3754334	0.08968	1.68	0.02972	0.65	484751.7	3754334	0.30	2.6369
484851.7	3754334	0.09199	1.73	0.03031	0.67	484851.7	3754334	0.32	2.7089
484951.7	3754334	0.09424	1.77	0.03123	0.69	484951.7	3754334	0.34	2.7950
485051.7	3754334	0.09389	1.76	0.03107	0.68	485051.7	3754334	0.37	2.8100
485151.7	3754334	0.09205	1.73	0.03063	0.67	485151.7	3754334	0.39	2.7952
485251.7	3754334	0.08436	1.58	0.03604	0.79	485251.7	3754334	0.43	2.8065
485351.7	3754334	0.07974	1.50	0.04477	0.98	485351.7	3754334	0.50	2.9824
485451.7	3754334	0.07552	1.42	0.05328	1.17	485451.7	3754334	0.70	3.2927
484551.7	3754434	0.07677	1.44	0.02693	0.59	484551.7	3754434	0.28	2.3159
484651.7	3754434	0.08243	1.55	0.02665	0.59	484651.7	3754434	0.30	2.4327
484751.7	3754434	0.08643	1.62	0.02788	0.61	484751.7	3754434	0.32	2.5529
484851.7	3754434	0.08832	1.66	0.02836	0.62	484851.7	3754434	0.34	2.6196
484951.7	3754434	0.08375	1.57	0.0275	0.60	484951.7	3754434	0.36	2.5389
485051.7	3754434	0.08266	1.55	0.0264	0.58	485051.7	3754434	0.39	2.5229
485151.7	3754434	0.07799	1.46	0.03203	0.70	485151.7	3754434	0.43	2.5953
485251.7	3754434	0.07284	1.37	0.03935	0.86	485251.7	3754434	0.48	2.7111
485351.7	3754434	0.06878	1.29	0.04804	1.06	485351.7	3754434	0.57	2.9135
485451.7	3754434	0.07376	1.38	0.05573	1.22	485451.7	3754434	0.79	3.4010
484551.7	3754534	0.07485	1.40	0.02449	0.54	484551.7	3754534	0.31	2.2478
484651.7	3754534	0.07639	1.43	0.02514	0.55	484651.7	3754534	0.33	2.3111
484751.7	3754534	0.08234	1.55	0.02579	0.57	484751.7	3754534	0.34	2.4513
484851.7	3754534	0.08126	1.52	0.02516	0.55	484851.7	3754534	0.36	2.4423
484951.7	3754534	0.07732	1.45	0.02381	0.52	484951.7	3754534	0.40	2.3715
485051.7	3754534	0.06967	1.31	0.02749	0.60	485051.7	3754534	0.44	2.3485
485151.7	3754534	0.06722	1.26	0.035	0.77	485151.7	3754534	0.47	2.5045
485251.7	3754534	0.06101	1.14	0.04186	0.92	485251.7	3754534	0.53	2.5959
485351.7	3754534	0.06786	1.27	0.04968	1.09	485351.7	3754534	0.61	2.9783
485451.7	3754534	0.07229	1.36	0.05757	1.27	485451.7	3754534	0.80	3.4236
484551.7	3754634	0.07235	1.36	0.02322	0.51	484551.7	3754634	0.33	2.1949
484651.7	3754634	0.07351	1.38	0.02324	0.51	484651.7	3754634	0.35	2.2388
484751.7	3754634	0.07567	1.42	0.02284	0.50	484751.7	3754634	0.37	2.2888
484851.7	3754634	0.07093	1.33	0.02116	0.47	484851.7	3754634	0.40	2.1951
484951.7	3754634	0.06447	1.21	0.02455	0.54	484951.7	3754634	0.43	2.1801
485051.7	3754634	0.06265	1.18	0.03152	0.69	485051.7	3754634	0.46	2.3301
485151.7	3754634	0.05748	1.08	0.03839	0.84	485151.7	3754634	0.50	2.4212
485251.7	3754634	0.06183	1.16	0.04568	1.00	485251.7	3754634	0.54	2.7079
485351.7	3754634	0.06692	1.26	0.05023	1.10	485351.7	3754634	0.63	2.9932
485451.7	3754634	0.06863	1.29	0.05272	1.16	485451.7	3754634	0.84	3.2870
485549.5	3750935	0.07242	1.36	0.03241	0.71	485549.5	3750935	0.08	2.1561
485649.5	3750935	0.0661	1.24	0.03218	0.71	485649.5	3750935	0.09	2.0342
485749.5	3750935	0.07173	1.35	0.03363	0.74	485749.5	3750935	0.10	2.1808
485849.5	3750935	0.06868	1.29	0.03602	0.79	485849.5	3750935	0.09	2.1710
485549.5	3751035	0.08411	1.58	0.03432	0.75	485549.5	3751035	0.09	2.4184
485649.5	3751035	0.07152	1.34	0.0332	0.73	485649.5	3751035	0.09	2.1600
485749.5	3751035	0.07527	1.41	0.03524	0.77	485749.5	3751035	0.10	2.2865
485849.5	3751035	0.07489	1.41	0.0366	0.80	485849.5	3751035	0.10	2.3082
485549.5	3751135	0.09514	1.79	0.03364	0.74	485549.5	3751135	0.09	2.6127
485649.5	3751135	0.08402	1.58	0.0363	0.80	485649.5	3751135	0.09	2.4660
485749.5	3751135	0.07818	1.47	0.03509	0.77	485749.5	3751135	0.10	2.3390
485849.5	3751135	0.08085	1.52	0.03777	0.83	485849.5	3751135	0.10	2.4522

485549.5	3751235	0.10425	1.96	0.03023	0.66	485549.5	3751235	0.09	2.7120
485649.5	3751235	0.09785	1.84	0.03671	0.81	485649.5	3751235	0.10	2.7397
485749.5	3751235	0.08355	1.57	0.03814	0.84	485749.5	3751235	0.10	2.5056
485849.5	3751235	0.0868	1.63	0.0391	0.86	485849.5	3751235	0.11	2.5968
485549.5	3751335	0.11027	2.07	0.02476	0.54	485549.5	3751335	0.09	2.7071
485649.5	3751335	0.11136	2.09	0.0341	0.75	485649.5	3751335	0.10	2.9417
485749.5	3751335	0.1001	1.88	0.03996	0.88	485749.5	3751335	0.10	2.8547
485849.5	3751335	0.09254	1.74	0.0397	0.87	485849.5	3751335	0.11	2.7190
485549.5	3751435	0.11282	2.12	0.02226	0.49	485549.5	3751435	0.10	2.7056
485649.5	3751435	0.12305	2.31	0.02887	0.63	485649.5	3751435	0.11	3.0509
485749.5	3751435	0.11781	2.21	0.03837	0.84	485749.5	3751435	0.11	3.1613
485849.5	3751435	0.10108	1.90	0.04314	0.95	485849.5	3751435	0.11	2.9547
485549.5	3751535	0.11737	2.20	0.0229	0.50	485549.5	3751535	0.11	2.8186
485649.5	3751535	0.13172	2.47	0.02398	0.53	485649.5	3751535	0.11	3.1131
485749.5	3751535	0.13558	2.54	0.03349	0.74	485749.5	3751535	0.12	3.4024
485849.5	3751535	0.1229	2.31	0.04291	0.94	485849.5	3751535	0.11	3.3589
485549.5	3751635	0.12819	2.41	0.02476	0.54	485549.5	3751635	0.15	3.1022
485649.5	3751635	0.13485	2.53	0.02475	0.54	485649.5	3751635	0.14	3.2102
485749.5	3751635	0.15106	2.83	0.0268	0.59	485749.5	3751635	0.14	3.5673
485849.5	3751635	0.14565	2.73	0.03858	0.85	485849.5	3751635	0.12	3.7018
485549.5	3751735	0.16072	3.02	0.03588	0.79	485549.5	3751735	0.18	3.9849
485649.5	3751735	0.16683	3.13	0.03362	0.74	485649.5	3751735	0.18	4.0475
485749.5	3751735	0.16245	3.05	0.02704	0.59	485749.5	3751735	0.17	3.8136
485849.5	3751735	0.16882	3.17	0.03142	0.69	485849.5	3751735	0.15	4.0050
485549.5	3751835	0.17681	3.32	0.05022	1.10	485549.5	3751835	0.20	4.6236
485649.5	3751835	0.18128	3.40	0.03898	0.86	485649.5	3751835	0.20	4.4548
485749.5	3751835	0.17108	3.21	0.03313	0.73	485749.5	3751835	0.19	4.1323
485849.5	3751835	0.19262	3.61	0.0296	0.65	485849.5	3751835	0.20	4.4613
485549.5	3751935	0.16138	3.03	0.06068	1.33	485549.5	3751935	0.21	4.5706
485649.5	3751935	0.222	4.17	0.06162	1.35	485649.5	3751935	0.23	5.7498
485749.5	3751935	0.23708	4.45	0.05379	1.18	485749.5	3751935	0.23	5.8610
485849.5	3751935	0.22029	4.13	0.0392	0.86	485849.5	3751935	0.25	5.2409
485549.5	3752035	0.23297	4.37	0.0693	1.52	485549.5	3752035	0.23	6.1280
485649.5	3752035	0.2308	4.33	0.073	1.60	485649.5	3752035	0.25	6.1807
485749.5	3752035	0.26726	5.02	0.07227	1.59	485749.5	3752035	0.26	6.8676
485849.5	3752035	0.24834	4.66	0.0579	1.27	485849.5	3752035	0.28	6.2109
485549.5	3752135	0.30366	5.70	0.07402	1.63	485549.5	3752135	0.26	7.5886
485649.5	3752135	0.31989	6.00	0.08055	1.77	485649.5	3752135	0.28	8.0580
485749.5	3752135	0.33121	6.22	0.08581	1.89	485749.5	3752135	0.31	8.4094
485849.5	3752135	0.33881	6.36	0.08701	1.91	485849.5	3752135	0.33	8.6037
485549.5	3752235	0.319	5.99	0.06954	1.53	485549.5	3752235	0.28	7.7920
485649.5	3752235	0.36851	6.92	0.08226	1.81	485649.5	3752235	0.31	9.0344
485749.5	3752235	0.42748	8.02	0.0918	2.02	485749.5	3752235	0.36	10.3962
485849.5	3752235	0.40996	7.69	0.09613	2.11	485849.5	3752235	0.42	10.2266
485549.5	3752335	0.31835	5.97	0.06641	1.46	485549.5	3752335	0.30	7.7291
485649.5	3752335	0.37166	6.97	0.07653	1.68	485649.5	3752335	0.33	8.9824
485749.5	3752335	0.44183	8.29	0.08774	1.93	485749.5	3752335	0.38	10.5971
485849.5	3752335	0.49331	9.26	0.10287	2.26	485849.5	3752335	0.51	12.0236
485549.5	3752435	0.29567	5.55	0.06042	1.33	485549.5	3752435	0.31	7.1819
485649.5	3752435	0.35524	6.67	0.07073	1.55	485649.5	3752435	0.34	8.5571
485749.5	3752435	0.43663	8.19	0.08357	1.84	485749.5	3752435	0.39	10.4212
485849.5	3752435	0.57744	10.84	0.09806	2.16	485849.5	3752435	0.51	13.5008
485549.5	3752535	0.25708	4.82	0.05265	1.16	485549.5	3752535	0.32	6.2968
485649.5	3752535	0.32223	6.05	0.06211	1.37	485649.5	3752535	0.35	7.7579
485749.5	3752535	0.40285	7.56	0.07416	1.63	485749.5	3752535	0.40	9.5870
485849.5	3752535	0.53603	10.06	0.08961	1.97	485849.5	3752535	0.51	12.5397
485549.5	3752635	0.23958	4.50	0.04349	0.96	485549.5	3752635	0.32	5.7736
485649.5	3752635	0.29339	5.51	0.0518	1.14	485649.5	3752635	0.36	7.0048
485749.5	3752635	0.36335	6.82	0.06244	1.37	485749.5	3752635	0.42	8.6105
485849.5	3752635	0.48694	9.14	0.07608	1.67	485849.5	3752635	0.54	11.3482
485549.5	3752735	0.27882	5.23	0.04137	0.91	485549.5	3752735	0.34	6.4850
485649.5	3752735	0.32962	6.19	0.04626	1.02	485649.5	3752735	0.37	7.5754
485749.5	3752735	0.40331	7.57	0.05207	1.14	485749.5	3752735	0.43	9.1408
485849.5	3752735	0.52677	9.88	0.05984	1.32	485849.5	3752735	0.55	11.7507
485549.5	3752835	0.30157	5.66	0.04368	0.96	485549.5	3752835	0.36	6.9794
485649.5	3752835	0.35514	6.66	0.04734	1.04	485649.5	3752835	0.39	8.0968
485749.5	3752835	0.4348	8.16	0.05167	1.14	485749.5	3752835	0.45	9.7442
485849.5	3752835	0.56632	10.63	0.05674	1.25	485849.5	3752835	0.56	12.4366
485549.5	3752935	0.31094	5.83	0.0496	1.09	485549.5	3752935	0.37	7.2963
485649.5	3752935	0.36297	6.81	0.05542	1.22	485649.5	3752935	0.41	8.4392
485749.5	3752935	0.43346	8.13	0.0621	1.36	485749.5	3752935	0.46	9.9573
485849.5	3752935	0.55594	10.43	0.07045	1.55	485849.5	3752935	0.57	12.5484
485549.5	3753035	0.30426	5.71	0.0567	1.25	485549.5	3753035	0.38	7.3388
485649.5	3753035	0.34778	6.53	0.06427	1.41	485649.5	3753035	0.43	8.3658
485749.5	3753035	0.39975	7.50	0.07462	1.64	485749.5	3753035	0.48	9.6210
485849.5	3753035	0.52269	9.81	0.08789	1.93	485849.5	3753035	0.59	12.3317
485549.5	3753135	0.2774	5.21	0.06549	1.44	485549.5	3753135	0.38	7.0283
485649.5	3753135	0.30414	5.71	0.07544	1.66	485649.5	3753135	0.43	7.7916
485749.5	3753135	0.37787	7.09	0.08803	1.93	485749.5	3753135	0.49	9.5126
485849.5	3753135	0.4357	8.18	0.10409	2.29	485849.5	3753135	0.60	11.0664
485549.5	3753235	0.25264	4.74	0.07327	1.61	485549.5	3753235	0.38	6.7320
485649.5	3753235	0.30339	5.69	0.08566	1.88	485649.5	3753235	0.42	7.9999
485749.5	3753235	0.34178	6.41	0.09846	2.16	485749.5	3753235	0.48	9.0558
485849.5	3753235	0.35373	6.64	0.11516	2.53	485849.5	3753235	0.60	9.7681
485549.5	3753335	0.25485	4.78	0.07998	1.76	485549.5	3753335	0.38	6.9169
485649.5	3753335	0.28005	5.26	0.09033	1.99	485649.5	3753335	0.43	7.6688
485749.5	3753335	0.29436	5.52	0.10334	2.27	485749.5	3753335	0.50	8.2928
485849.5	3753335	0.29206	5.48	0.1202	2.64	485849.5	3753335	0.62	8.7396
485549.5	3753435	0.23991	4.50	0.08257	1.81	485549.5	3753435	0.41	6.7249
485649.5	3753435	0.24802	4.65	0.09264	2.04	485649.5	3753435	0.45	7.1395

485749.5	3753435	0.24913	4.67	0.10139	2.23	485749.5	3753435	0.51	7.4127
485849.5	3753435	0.24555	4.61	0.11152	2.45	485849.5	3753435	0.60	7.6629
485619.4	3753970	0.11927	2.24	0.05779	1.27	485619.4	3753970	0.44	3.9478
485713	3753962	0.11208	2.10	0.06977	1.53	485713	3753962	0.47	4.1039
487190.9	3754410	0.1028	1.93	0.08991	1.98	487190.9	3754410	3.07	6.9798
487194.8	3754289	0.10303	1.93	0.10017	2.20	487194.8	3754289	1.97	6.1060
487268.8	3754091	0.13507	2.53	0.10226	2.25	487268.8	3754091	1.25	6.0298
487483.3	3754102	0.11924	2.24	0.0783	1.72	487483.3	3754102	0.86	4.8189
									28.28

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** Lakes Environmental AERMOD MPI
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 8.0.7
** Lakes Environmental Software Inc.
** Date: 12/19/2012
** File: C:\MBA\Highland Fairview REV3 - All Sources\AERMOD-REV3\LST-AERMOD-2017\LST_PM25_REV3_NR_REV1\LST_PM25_REV3_NR_REV1.ADI
**
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** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE World Logistics Center -Project-Related  LST Assessment 2017
   TITLETWO PM2.5 (No Refrigeration)
   MODELOPT CONC  FASTALL
   AVERTIME 24 ANNUAL
   URBANOPT 2000000
   POLLUTID PM_2.5
   RUNORNOT RUN
   ERRORFIL LST_PM25_REV3_NR_REV1.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION PHASE1       AREAPOLY   485577.456  3755020.364      527.630
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT01
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.00873
** Elevated
** Vertical Dimension = 1.60
** SZINIT = 0.37
** Nodes = 2
** 487123.57, 3755422.68, 541.00, 1.60, 27.35
** 487123.57, 3755095.72, 532.00, 1.60, 27.35
** ------------------------------------------------------------------------
   LOCATION L0113613     VOLUME   487123.570 3755406.219 540.55
   LOCATION L0113614     VOLUME   487123.570 3755347.411 538.93
   LOCATION L0113615     VOLUME   487123.570 3755288.602 537.31
   LOCATION L0113616     VOLUME   487123.570 3755229.793 535.69
   LOCATION L0113617     VOLUME   487123.570 3755170.984 534.07
   LOCATION L0113618     VOLUME   487123.570 3755112.176 532.45
** End of LINE VOLUME Source ID = SEGMENT01
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT02
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.016
** Elevated
** Vertical Dimension = 1.60
** SZINIT = 0.37
** Nodes = 2
** 487126.15, 3755058.81, 532.00, 1.60, 30.03
** 487128.77, 3754444.85, 508.00, 1.60, 30.03
** ------------------------------------------------------------------------
   LOCATION L0113619     VOLUME   487126.220 3755042.351 531.36
   LOCATION L0113620     VOLUME   487126.496 3754977.791 528.83
   LOCATION L0113621     VOLUME   487126.772 3754913.230 526.31
   LOCATION L0113622     VOLUME   487127.048 3754848.670 523.79
   LOCATION L0113623     VOLUME   487127.324 3754784.110 521.26
   LOCATION L0113624     VOLUME   487127.600 3754719.550 518.74
   LOCATION L0113625     VOLUME   487127.876 3754654.990 516.21
   LOCATION L0113626     VOLUME   487128.151 3754590.429 513.69
   LOCATION L0113627     VOLUME   487128.427 3754525.869 511.17
   LOCATION L0113628     VOLUME   487128.703 3754461.309 508.64
** End of LINE VOLUME Source ID = SEGMENT02
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT03
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0174
** Elevated
** Vertical Dimension = 1.60
** SZINIT = 0.37
** Nodes = 4
** 487123.53, 3754444.85, 511.00, 1.60, 18.01
** 486186.84, 3754452.72, 516.00, 1.60, 18.01
** 486042.53, 3754366.14, 509.00, 1.60, 18.01
** 486008.42, 3754297.92, 511.00, 1.60, 18.01
** ------------------------------------------------------------------------
   LOCATION L0111572     VOLUME   487113.771 3754444.931 507.75
   LOCATION L0111573     VOLUME   487075.047 3754445.256 511.34
   LOCATION L0111574     VOLUME   487036.323 3754445.582 512.10
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   LOCATION L0111575     VOLUME   486997.599 3754445.907 512.15
   LOCATION L0111576     VOLUME   486958.875 3754446.233 513.24
   LOCATION L0111577     VOLUME   486920.150 3754446.558 514.00
   LOCATION L0111578     VOLUME   486881.426 3754446.884 514.76
   LOCATION L0111579     VOLUME   486842.702 3754447.209 515.93
   LOCATION L0111580     VOLUME   486803.978 3754447.534 515.40
   LOCATION L0111581     VOLUME   486765.253 3754447.860 516.13
   LOCATION L0111582     VOLUME   486726.529 3754448.185 515.70
   LOCATION L0111583     VOLUME   486687.805 3754448.511 514.26
   LOCATION L0111584     VOLUME   486649.081 3754448.836 514.26
   LOCATION L0111585     VOLUME   486610.357 3754449.161 514.89
   LOCATION L0111586     VOLUME   486571.632 3754449.487 515.30
   LOCATION L0111587     VOLUME   486532.908 3754449.812 514.65
   LOCATION L0111588     VOLUME   486494.184 3754450.138 515.02
   LOCATION L0111589     VOLUME   486455.460 3754450.463 514.53
   LOCATION L0111590     VOLUME   486416.735 3754450.788 513.36
   LOCATION L0111591     VOLUME   486378.011 3754451.114 513.37
   LOCATION L0111592     VOLUME   486339.287 3754451.439 514.07
   LOCATION L0111593     VOLUME   486300.563 3754451.765 514.99
   LOCATION L0111594     VOLUME   486261.839 3754452.090 516.27
   LOCATION L0111595     VOLUME   486223.114 3754452.416 516.77
   LOCATION L0111596     VOLUME   486184.739 3754451.459 514.93
   LOCATION L0111597     VOLUME   486151.532 3754431.535 512.54
   LOCATION L0111598     VOLUME   486118.325 3754411.611 510.16
   LOCATION L0111599     VOLUME   486085.119 3754391.687 509.33
   LOCATION L0111600     VOLUME   486051.912 3754371.763 509.00
   LOCATION L0111601     VOLUME   486030.106 3754341.280 509.29
   LOCATION L0111602     VOLUME   486012.788 3754306.643 509.94
** End of LINE VOLUME Source ID = SEGMENT03
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT04
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.00225
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 3
** 486005.80, 3754303.17, 511.00, 1.30, 17.72
** 485997.93, 3753510.79, 496.00, 1.30, 17.72
** 486071.40, 3753390.09, 494.00, 1.30, 17.72
** ----------------------------------------------------------------------
   LOCATION L0111603     VOLUME   486005.704 3754293.411 510.63
   LOCATION L0111604     VOLUME   486005.326 3754255.321 509.54
   LOCATION L0111605     VOLUME   486004.948 3754217.231 507.64
   LOCATION L0111606     VOLUME   486004.569 3754179.142 507.85
   LOCATION L0111607     VOLUME   486004.191 3754141.052 508.00
   LOCATION L0111608     VOLUME   486003.812 3754102.962 506.84
   LOCATION L0111609     VOLUME   486003.434 3754064.872 506.32
   LOCATION L0111610     VOLUME   486003.056 3754026.782 505.20
   LOCATION L0111611     VOLUME   486002.677 3753988.692 504.96
   LOCATION L0111612     VOLUME   486002.299 3753950.603 504.05
   LOCATION L0111613     VOLUME   486001.921 3753912.513 503.42
   LOCATION L0111614     VOLUME   486001.542 3753874.423 502.15
   LOCATION L0111615     VOLUME   486001.164 3753836.333 500.88
   LOCATION L0111616     VOLUME   486000.785 3753798.243 499.60
   LOCATION L0111617     VOLUME   486000.407 3753760.153 499.65
   LOCATION L0111618     VOLUME   486000.029 3753722.064 501.86
   LOCATION L0111619     VOLUME   485999.650 3753683.974 501.59
   LOCATION L0111620     VOLUME   485999.272 3753645.884 499.01
   LOCATION L0111621     VOLUME   485998.894 3753607.794 496.47
   LOCATION L0111622     VOLUME   485998.515 3753569.704 495.96
   LOCATION L0111623     VOLUME   485998.137 3753531.614 496.53
   LOCATION L0111624     VOLUME   486006.906 3753496.041 495.32
   LOCATION L0111625     VOLUME   486026.712 3753463.503 492.84
   LOCATION L0111626     VOLUME   486046.518 3753430.965 491.43
   LOCATION L0111627     VOLUME   486066.323 3753398.427 492.30
** End of LINE VOLUME Source ID = SEGMENT04
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT05
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.003
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 4
** 486071.40, 3753390.09, 494.00, 1.30, 24.05
** 486147.48, 3753361.23, 495.00, 1.30, 24.05
** 486743.08, 3753353.36, 496.00, 1.30, 24.05
** 487118.28, 3753274.65, 490.00, 1.30, 24.05
** ----------------------------------------------------------------------
   LOCATION L0113629     VOLUME   486083.649 3753385.447 494.16
   LOCATION L0113630     VOLUME   486131.996 3753367.108 494.80
   LOCATION L0113631     VOLUME   486182.626 3753360.769 495.06
   LOCATION L0113632     VOLUME   486234.330 3753360.085 495.15
   LOCATION L0113633     VOLUME   486286.035 3753359.402 495.23
   LOCATION L0113634     VOLUME   486337.740 3753358.719 495.32
   LOCATION L0113635     VOLUME   486389.444 3753358.035 495.41
   LOCATION L0113636     VOLUME   486441.149 3753357.352 495.49
   LOCATION L0113637     VOLUME   486492.853 3753356.669 495.58
   LOCATION L0113638     VOLUME   486544.558 3753355.985 495.67
   LOCATION L0113639     VOLUME   486596.263 3753355.302 495.75
   LOCATION L0113640     VOLUME   486647.967 3753354.619 495.84
   LOCATION L0113641     VOLUME   486699.672 3753353.936 495.93
   LOCATION L0113642     VOLUME   486751.201 3753351.658 495.87
   LOCATION L0113643     VOLUME   486801.808 3753341.041 495.06
   LOCATION L0113644     VOLUME   486852.415 3753330.424 494.25
   LOCATION L0113645     VOLUME   486903.023 3753319.807 493.44
   LOCATION L0113646     VOLUME   486953.630 3753309.190 492.63
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   LOCATION L0113647     VOLUME   487004.238 3753298.573 491.82
   LOCATION L0113648     VOLUME   487054.845 3753287.956 491.01
   LOCATION L0113649     VOLUME   487105.453 3753277.340 490.21
** End of LINE VOLUME Source ID = SEGMENT05
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT06
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.00883
** Elevated
** Vertical Dimension = 1.50
** SZINIT = 0.35
** Nodes = 2
** 487123.53, 3754450.10, 512.00, 1.50, 29.19
** 487105.16, 3753287.77, 490.00, 1.50, 29.19
** ---------------------------------------------------------------------
   LOCATION L0113650     VOLUME   487123.266 3754433.639 511.69
   LOCATION L0113651     VOLUME   487122.275 3754370.893 510.50
   LOCATION L0113652     VOLUME   487121.283 3754308.148 509.31
   LOCATION L0113653     VOLUME   487120.292 3754245.403 508.13
   LOCATION L0113654     VOLUME   487119.300 3754182.658 506.94
   LOCATION L0113655     VOLUME   487118.309 3754119.913 505.75
   LOCATION L0113656     VOLUME   487117.317 3754057.168 504.56
   LOCATION L0113657     VOLUME   487116.326 3753994.422 503.38
   LOCATION L0113658     VOLUME   487115.334 3753931.677 502.19
   LOCATION L0113659     VOLUME   487114.343 3753868.932 501.00
   LOCATION L0113660     VOLUME   487113.351 3753806.187 499.81
   LOCATION L0113661     VOLUME   487112.360 3753743.442 498.62
   LOCATION L0113662     VOLUME   487111.369 3753680.697 497.44
   LOCATION L0113663     VOLUME   487110.377 3753617.951 496.25
   LOCATION L0113664     VOLUME   487109.386 3753555.206 495.06
   LOCATION L0113665     VOLUME   487108.394 3753492.461 493.87
   LOCATION L0113666     VOLUME   487107.403 3753429.716 492.69
   LOCATION L0113667     VOLUME   487106.411 3753366.971 491.50
   LOCATION L0113668     VOLUME   487105.420 3753304.226 490.31
** End of LINE VOLUME Source ID = SEGMENT06
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT07
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 487102.54, 3753300.89, 489.00, 1.00, 29.21
** 487105.16, 3752765.64, 483.00, 1.00, 29.21
** ---------------------------------------------------------------------
   LOCATION L0112744     VOLUME   487102.617 3753284.427 489.25
   LOCATION L0112745     VOLUME   487102.924 3753221.636 489.56
   LOCATION L0112746     VOLUME   487103.232 3753158.844 486.75
   LOCATION L0112747     VOLUME   487103.540 3753096.053 485.78
   LOCATION L0112748     VOLUME   487103.848 3753033.262 484.98
   LOCATION L0112749     VOLUME   487104.156 3752970.471 486.98
   LOCATION L0112750     VOLUME   487104.463 3752907.680 484.85
   LOCATION L0112751     VOLUME   487104.771 3752844.889 483.17
   LOCATION L0112752     VOLUME   487105.079 3752782.098 483.74
** End of LINE VOLUME Source ID = SEGMENT07
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT08
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.00491
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 3
** 486074.02, 3753392.72, 494.00, 1.30, 18.01
** 485979.56, 3753190.69, 490.00, 1.30, 18.01
** 485959.38, 3752271.31, 509.00, 1.30, 18.01
** ---------------------------------------------------------------------
   LOCATION L0113257     VOLUME   486069.888 3753383.881 492.66
   LOCATION L0113258     VOLUME   486053.485 3753348.798 491.27
   LOCATION L0113259     VOLUME   486037.083 3753313.715 490.52
   LOCATION L0113260     VOLUME   486020.680 3753278.632 490.29
   LOCATION L0113261     VOLUME   486004.278 3753243.549 490.00
   LOCATION L0113262     VOLUME   485987.875 3753208.466 489.60
   LOCATION L0113263     VOLUME   485979.144 3753171.590 489.02
   LOCATION L0113264     VOLUME   485978.294 3753132.871 488.12
   LOCATION L0113265     VOLUME   485977.445 3753094.153 488.21
   LOCATION L0113266     VOLUME   485976.595 3753055.434 489.37
   LOCATION L0113267     VOLUME   485975.745 3753016.715 490.11
   LOCATION L0113268     VOLUME   485974.895 3752977.997 490.00
   LOCATION L0113269     VOLUME   485974.045 3752939.278 489.00
   LOCATION L0113270     VOLUME   485973.195 3752900.559 489.00
   LOCATION L0113271     VOLUME   485972.345 3752861.841 489.00
   LOCATION L0113272     VOLUME   485971.495 3752823.122 489.00
   LOCATION L0113273     VOLUME   485970.646 3752784.403 488.77
   LOCATION L0113274     VOLUME   485969.796 3752745.684 487.04
   LOCATION L0113275     VOLUME   485968.946 3752706.966 485.22
   LOCATION L0113276     VOLUME   485968.096 3752668.247 486.17
   LOCATION L0113277     VOLUME   485967.246 3752629.528 488.82
   LOCATION L0113278     VOLUME   485966.396 3752590.810 490.12
   LOCATION L0113279     VOLUME   485965.546 3752552.091 495.23
   LOCATION L0113280     VOLUME   485964.696 3752513.372 496.37
   LOCATION L0113281     VOLUME   485963.846 3752474.654 496.10
   LOCATION L0113282     VOLUME   485962.997 3752435.935 496.42
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   LOCATION L0113283     VOLUME   485962.147 3752397.216 498.83
   LOCATION L0113284     VOLUME   485961.297 3752358.498 500.09
   LOCATION L0113285     VOLUME   485960.447 3752319.779 500.68
   LOCATION L0113286     VOLUME   485959.597 3752281.060 501.95
** End of LINE VOLUME Source ID = SEGMENT08
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT11
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.00158
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 485510.85, 3754275.79, 515.00, 1.00, 15.74
** 485509.55, 3753074.46, 494.00, 1.00, 15.74
** ---------------------------------------------------------------------
   LOCATION L0113669     VOLUME   485510.839 3754267.258 514.85
   LOCATION L0113670     VOLUME   485510.802 3754233.422 514.26
   LOCATION L0113671     VOLUME   485510.765 3754199.586 513.67
   LOCATION L0113672     VOLUME   485510.729 3754165.750 513.08
   LOCATION L0113673     VOLUME   485510.692 3754131.914 512.48
   LOCATION L0113674     VOLUME   485510.655 3754098.078 511.89
   LOCATION L0113675     VOLUME   485510.619 3754064.242 511.30
   LOCATION L0113676     VOLUME   485510.582 3754030.406 510.71
   LOCATION L0113677     VOLUME   485510.545 3753996.570 510.12
   LOCATION L0113678     VOLUME   485510.509 3753962.734 509.53
   LOCATION L0113679     VOLUME   485510.472 3753928.898 508.94
   LOCATION L0113680     VOLUME   485510.436 3753895.062 508.34
   LOCATION L0113681     VOLUME   485510.399 3753861.226 507.75
   LOCATION L0113682     VOLUME   485510.362 3753827.390 507.16
   LOCATION L0113683     VOLUME   485510.326 3753793.554 506.57
   LOCATION L0113684     VOLUME   485510.289 3753759.718 505.98
   LOCATION L0113685     VOLUME   485510.252 3753725.882 505.39
   LOCATION L0113686     VOLUME   485510.216 3753692.046 504.80
   LOCATION L0113687     VOLUME   485510.179 3753658.210 504.20
   LOCATION L0113688     VOLUME   485510.142 3753624.374 503.61
   LOCATION L0113689     VOLUME   485510.106 3753590.538 503.02
   LOCATION L0113690     VOLUME   485510.069 3753556.702 502.43
   LOCATION L0113691     VOLUME   485510.032 3753522.866 501.84
   LOCATION L0113692     VOLUME   485509.996 3753489.030 501.25
   LOCATION L0113693     VOLUME   485509.959 3753455.194 500.66
   LOCATION L0113694     VOLUME   485509.922 3753421.357 500.06
   LOCATION L0113695     VOLUME   485509.886 3753387.521 499.47
   LOCATION L0113696     VOLUME   485509.849 3753353.685 498.88
   LOCATION L0113697     VOLUME   485509.812 3753319.849 498.29
   LOCATION L0113698     VOLUME   485509.776 3753286.013 497.70
   LOCATION L0113699     VOLUME   485509.739 3753252.177 497.11
   LOCATION L0113700     VOLUME   485509.702 3753218.341 496.52
   LOCATION L0113701     VOLUME   485509.666 3753184.505 495.92
   LOCATION L0113702     VOLUME   485509.629 3753150.669 495.33
   LOCATION L0113703     VOLUME   485509.592 3753116.833 494.74
   LOCATION L0113704     VOLUME   485509.556 3753082.997 494.15
** End of LINE VOLUME Source ID = SEGMENT11
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT12
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.00268
** Elevated
** Vertical Dimension = 1.50
** SZINIT = 0.35
** Nodes = 2
** 485533.45, 3755091.71, 532.00, 1.50, 15.63
** 485515.75, 3754268.39, 515.00, 1.50, 15.63
** ---------------------------------------------------------------------
   LOCATION L0113323     VOLUME   485533.265 3755083.180 531.19
   LOCATION L0113324     VOLUME   485532.543 3755049.586 528.80
   LOCATION L0113325     VOLUME   485531.821 3755015.992 528.21
   LOCATION L0113326     VOLUME   485531.099 3754982.399 528.02
   LOCATION L0113327     VOLUME   485530.377 3754948.805 526.65
   LOCATION L0113328     VOLUME   485529.654 3754915.211 525.38
   LOCATION L0113329     VOLUME   485528.932 3754881.617 522.89
   LOCATION L0113330     VOLUME   485528.210 3754848.023 520.45
   LOCATION L0113331     VOLUME   485527.488 3754814.429 523.22
   LOCATION L0113332     VOLUME   485526.766 3754780.835 526.04
   LOCATION L0113333     VOLUME   485526.044 3754747.241 526.70
   LOCATION L0113334     VOLUME   485525.321 3754713.647 524.19
   LOCATION L0113335     VOLUME   485524.599 3754680.053 521.85
   LOCATION L0113336     VOLUME   485523.877 3754646.460 521.76
   LOCATION L0113337     VOLUME   485523.155 3754612.866 522.11
   LOCATION L0113338     VOLUME   485522.433 3754579.272 522.18
   LOCATION L0113339     VOLUME   485521.711 3754545.678 519.09
   LOCATION L0113340     VOLUME   485520.988 3754512.084 515.25
   LOCATION L0113341     VOLUME   485520.266 3754478.490 514.73
   LOCATION L0113342     VOLUME   485519.544 3754444.896 516.68
   LOCATION L0113343     VOLUME   485518.822 3754411.302 517.04
   LOCATION L0113344     VOLUME   485518.100 3754377.708 515.99
   LOCATION L0113345     VOLUME   485517.378 3754344.114 515.07
   LOCATION L0113346     VOLUME   485516.655 3754310.520 515.00
   LOCATION L0113347     VOLUME   485515.933 3754276.927 514.56
** End of LINE VOLUME Source ID = SEGMENT12
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT14
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0
```

```
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 485503.72, 3755054.30, 532.00, 1.00, 23.83
** 486400.84, 3755050.67, 532.00, 1.00, 23.83
** ----------------------------------------------------------------------
   LOCATION L0112276     VOLUME   485516.820 3755054.250 529.90
   LOCATION L0112277     VOLUME   485568.051 3755054.043 528.58
   LOCATION L0112278     VOLUME   485619.281 3755053.835 530.77
   LOCATION L0112279     VOLUME   485670.512 3755053.628 532.50
   LOCATION L0112280     VOLUME   485721.742 3755053.421 534.25
   LOCATION L0112281     VOLUME   485772.972 3755053.213 531.14
   LOCATION L0112282     VOLUME   485824.203 3755053.006 529.49
   LOCATION L0112283     VOLUME   485875.433 3755052.798 529.85
   LOCATION L0112284     VOLUME   485926.663 3755052.591 530.93
   LOCATION L0112285     VOLUME   485977.894 3755052.384 529.69
   LOCATION L0112286     VOLUME   486029.124 3755052.176 529.39
   LOCATION L0112287     VOLUME   486080.355 3755051.969 529.54
   LOCATION L0112288     VOLUME   486131.585 3755051.761 529.54
   LOCATION L0112289     VOLUME   486182.815 3755051.554 530.26
   LOCATION L0112290     VOLUME   486234.046 3755051.346 527.40
   LOCATION L0112291     VOLUME   486285.276 3755051.139 527.00
   LOCATION L0112292     VOLUME   486336.506 3755050.932 526.50
   LOCATION L0112293     VOLUME   486387.737 3755050.724 527.33
** End of LINE VOLUME Source ID = SEGMENT14
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT15
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00316
** Elevated
** Vertical Dimension = 1.70
** SZINIT = 0.40
** Nodes = 2
** 486385.45, 3755051.87, 530.00, 1.70, 23.51
** 487119.32, 3755045.18, 533.00, 1.70, 23.51
** ----------------------------------------------------------------------
   LOCATION L0113705     VOLUME   486398.558 3755051.755 530.05
   LOCATION L0113706     VOLUME   486449.105 3755051.294 530.26
   LOCATION L0113707     VOLUME   486499.652 3755050.833 530.47
   LOCATION L0113708     VOLUME   486550.198 3755050.372 530.67
   LOCATION L0113709     VOLUME   486600.745 3755049.911 530.88
   LOCATION L0113710     VOLUME   486651.292 3755049.450 531.09
   LOCATION L0113711     VOLUME   486701.838 3755048.989 531.29
   LOCATION L0113712     VOLUME   486752.385 3755048.528 531.50
   LOCATION L0113713     VOLUME   486802.931 3755048.067 531.71
   LOCATION L0113714     VOLUME   486853.478 3755047.607 531.91
   LOCATION L0113715     VOLUME   486904.025 3755047.146 532.12
   LOCATION L0113716     VOLUME   486954.571 3755046.685 532.33
   LOCATION L0113717     VOLUME   487005.118 3755046.224 532.53
   LOCATION L0113718     VOLUME   487055.665 3755045.763 532.74
   LOCATION L0113719     VOLUME   487106.211 3755045.302 532.95
** End of LINE VOLUME Source ID = SEGMENT15
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT18
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 5
** 487138.06, 3755042.91, 533.00, 1.00, 23.38
** 487300.89, 3755033.99, 529.00, 1.00, 23.38
** 487535.10, 3754996.07, 529.00, 1.00, 23.38
** 487711.32, 3755000.53, 525.00, 1.00, 23.38
** 487907.61, 3754947.00, 526.00, 1.00, 23.38
** ----------------------------------------------------------------------
   LOCATION L0112859     VOLUME   487151.146 3755042.194 530.63
   LOCATION L0112860     VOLUME   487201.328 3755039.444 528.00
   LOCATION L0112861     VOLUME   487251.510 3755036.694 528.53
   LOCATION L0112862     VOLUME   487301.683 3755033.861 528.59
   LOCATION L0112863     VOLUME   487351.295 3755025.828 526.03
   LOCATION L0112864     VOLUME   487400.906 3755017.796 524.56
   LOCATION L0112865     VOLUME   487450.518 3755009.764 524.36
   LOCATION L0112866     VOLUME   487500.129 3755001.731 526.00
   LOCATION L0112867     VOLUME   487549.926 3754996.444 528.33
   LOCATION L0112868     VOLUME   487600.167 3754997.716 529.25
   LOCATION L0112869     VOLUME   487650.409 3754998.988 526.24
   LOCATION L0112870     VOLUME   487700.650 3755000.260 522.97
   LOCATION L0112871     VOLUME   487749.509 3754990.115 522.29
   LOCATION L0112872     VOLUME   487797.996 3754976.891 523.27
   LOCATION L0112873     VOLUME   487846.482 3754963.667 524.09
   LOCATION L0112874     VOLUME   487894.969 3754950.444 525.82
** End of LINE VOLUME Source ID = SEGMENT18
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT18A
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 5
** 487908.51, 3754945.43, 526.00, 1.00, 24.10
** 488040.12, 3754869.59, 520.00, 1.00, 24.10
```

```
** 488173.95, 3754769.21, 522.00, 1.00, 24.10
** 488301.10, 3754733.52, 523.00, 1.00, 24.10
** 488497.39, 3754720.14, 526.00, 1.00, 24.10
** ---------------------------------------------------------------------
   LOCATION L0112309     VOLUME   487919.867 3754938.887 524.63
   LOCATION L0112310     VOLUME   487964.761 3754913.016 521.91
   LOCATION L0112311     VOLUME   488009.655 3754887.144 519.81
   LOCATION L0112312     VOLUME   488053.443 3754859.596 519.44
   LOCATION L0112313     VOLUME   488094.895 3754828.507 519.17
   LOCATION L0112314     VOLUME   488136.347 3754797.418 520.48
   LOCATION L0112315     VOLUME   488178.582 3754767.914 521.23
   LOCATION L0112316     VOLUME   488228.469 3754753.911 522.90
   LOCATION L0112317     VOLUME   488278.356 3754739.908 523.05
   LOCATION L0112318     VOLUME   488329.227 3754731.607 521.54
   LOCATION L0112319     VOLUME   488380.922 3754728.082 523.90
   LOCATION L0112320     VOLUME   488432.617 3754724.557 527.97
   LOCATION L0112321     VOLUME   488484.312 3754721.033 524.82
** End of LINE VOLUME Source ID = SEGMENT18A
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT19
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 6
** 487121.55, 3754448.99, 511.00, 1.00, 17.64
** 487583.28, 3754424.46, 510.00, 1.00, 17.64
** 487714.88, 3754428.92, 512.00, 1.00, 17.64
** 487795.18, 3754451.22, 513.00, 1.00, 17.64
** 488303.76, 3754442.30, 511.00, 1.00, 17.64
** 488433.13, 3754346.39, 506.00, 1.00, 17.64
** ---------------------------------------------------------------------
   LOCATION L0112875     VOLUME   487131.288 3754448.475 506.58
   LOCATION L0112876     VOLUME   487169.165 3754446.462 506.00
   LOCATION L0112877     VOLUME   487207.043 3754444.450 508.12
   LOCATION L0112878     VOLUME   487244.921 3754442.437 509.08
   LOCATION L0112879     VOLUME   487282.799 3754440.424 509.78
   LOCATION L0112880     VOLUME   487320.677 3754438.411 509.05
   LOCATION L0112881     VOLUME   487358.555 3754436.398 509.37
   LOCATION L0112882     VOLUME   487396.433 3754434.385 510.45
   LOCATION L0112883     VOLUME   487434.310 3754432.373 509.94
   LOCATION L0112884     VOLUME   487472.188 3754430.360 509.38
   LOCATION L0112885     VOLUME   487510.066 3754428.347 509.95
   LOCATION L0112886     VOLUME   487547.944 3754426.334 510.22
   LOCATION L0112887     VOLUME   487585.824 3754424.543 509.56
   LOCATION L0112888     VOLUME   487623.733 3754425.828 510.12
   LOCATION L0112889     VOLUME   487661.643 3754427.113 510.71
   LOCATION L0112890     VOLUME   487699.553 3754428.398 510.44
   LOCATION L0112891     VOLUME   487736.651 3754434.965 510.81
   LOCATION L0112892     VOLUME   487773.198 3754445.117 510.41
   LOCATION L0112893     VOLUME   487810.295 3754450.958 509.88
   LOCATION L0112894     VOLUME   487848.220 3754450.293 509.77
   LOCATION L0112895     VOLUME   487886.146 3754449.628 508.53
   LOCATION L0112896     VOLUME   487924.071 3754448.962 507.74
   LOCATION L0112897     VOLUME   487961.997 3754448.297 508.40
   LOCATION L0112898     VOLUME   487999.922 3754447.632 509.00
   LOCATION L0112899     VOLUME   488037.848 3754446.966 508.07
   LOCATION L0112900     VOLUME   488075.773 3754446.301 507.15
   LOCATION L0112901     VOLUME   488113.698 3754445.635 508.18
   LOCATION L0112902     VOLUME   488151.624 3754444.970 508.31
   LOCATION L0112903     VOLUME   488189.549 3754444.305 509.27
   LOCATION L0112904     VOLUME   488227.475 3754443.639 510.36
   LOCATION L0112905     VOLUME   488265.400 3754442.974 510.66
   LOCATION L0112906     VOLUME   488303.326 3754442.309 510.94
   LOCATION L0112907     VOLUME   488333.881 3754419.967 509.27
   LOCATION L0112908     VOLUME   488364.352 3754397.376 506.49
   LOCATION L0112909     VOLUME   488394.822 3754374.786 504.46
   LOCATION L0112910     VOLUME   488425.293 3754352.196 504.99
** End of LINE VOLUME Source ID = SEGMENT19
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT20
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 3
** 488428.67, 3754348.62, 506.00, 1.00, 18.04
** 488457.67, 3754308.47, 506.00, 1.00, 18.04
** 488457.67, 3753291.32, 483.00, 1.00, 18.04
** ---------------------------------------------------------------------
   LOCATION L0112911     VOLUME   488434.379 3754340.708 505.31
   LOCATION L0112912     VOLUME   488457.087 3754309.267 506.00
   LOCATION L0112913     VOLUME   488457.666 3754270.671 506.00
   LOCATION L0112914     VOLUME   488457.666 3754231.887 505.06
   LOCATION L0112915     VOLUME   488457.666 3754193.103 501.00
   LOCATION L0112916     VOLUME   488457.666 3754154.319 501.52
   LOCATION L0112917     VOLUME   488457.666 3754115.535 503.63
   LOCATION L0112918     VOLUME   488457.666 3754076.751 502.89
   LOCATION L0112919     VOLUME   488457.666 3754037.968 502.00
   LOCATION L0112920     VOLUME   488457.666 3753999.184 502.00
   LOCATION L0112921     VOLUME   488457.666 3753960.400 502.00
   LOCATION L0112922     VOLUME   488457.666 3753921.616 500.44
   LOCATION L0112923     VOLUME   488457.666 3753882.832 498.43
   LOCATION L0112924     VOLUME   488457.666 3753844.049 497.13
   LOCATION L0112925     VOLUME   488457.666 3753805.265 496.84
   LOCATION L0112926     VOLUME   488457.666 3753766.481 496.00
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   LOCATION L0112927     VOLUME   488457.666 3753727.697 495.26
   LOCATION L0112928     VOLUME   488457.666 3753688.913 493.93
   LOCATION L0112929     VOLUME   488457.666 3753650.130 491.01
   LOCATION L0112930     VOLUME   488457.666 3753611.346 488.38
   LOCATION L0112931     VOLUME   488457.666 3753572.562 488.00
   LOCATION L0112932     VOLUME   488457.666 3753533.778 488.00
   LOCATION L0112933     VOLUME   488457.666 3753494.994 488.00
   LOCATION L0112934     VOLUME   488457.666 3753456.211 487.21
   LOCATION L0112935     VOLUME   488457.666 3753417.427 485.91
   LOCATION L0112936     VOLUME   488457.666 3753378.643 485.38
   LOCATION L0112937     VOLUME   488457.666 3753339.859 483.99
   LOCATION L0112938     VOLUME   488457.666 3753301.075 482.04
** End of LINE VOLUME Source ID = SEGMENT20
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT21
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00261
** Elevated
** Vertical Dimension = 1.40
** SZINIT = 0.33
** Nodes = 2
** 487098.48, 3753294.03, 491.00, 1.40, 22.81
** 487762.08, 3753289.01, 485.00, 1.40, 22.81
** ----------------------------------------------------------------------
   LOCATION L0113720     VOLUME   487111.587 3753293.935 490.88
   LOCATION L0113721     VOLUME   487160.618 3753293.563 490.44
   LOCATION L0113722     VOLUME   487209.648 3753293.192 489.99
   LOCATION L0113723     VOLUME   487258.678 3753292.820 489.55
   LOCATION L0113724     VOLUME   487307.708 3753292.449 489.11
   LOCATION L0113725     VOLUME   487356.738 3753292.077 488.66
   LOCATION L0113726     VOLUME   487405.769 3753291.706 488.22
   LOCATION L0113727     VOLUME   487454.799 3753291.335 487.78
   LOCATION L0113728     VOLUME   487503.829 3753290.963 487.34
   LOCATION L0113729     VOLUME   487552.859 3753290.592 486.89
   LOCATION L0113730     VOLUME   487601.890 3753290.220 486.45
   LOCATION L0113731     VOLUME   487650.920 3753289.849 486.01
   LOCATION L0113732     VOLUME   487699.950 3753289.477 485.56
   LOCATION L0113733     VOLUME   487748.980 3753289.106 485.12
** End of LINE VOLUME Source ID = SEGMENT21
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT22
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00174
** Elevated
** Vertical Dimension = 1.40
** SZINIT = 0.33
** Nodes = 2
** 487752.03, 3753289.01, 485.00, 1.40, 24.24
** 488455.85, 3753289.01, 483.00, 1.40, 24.24
** ----------------------------------------------------------------------
   LOCATION L0113377     VOLUME   487765.135 3753289.007 484.00
   LOCATION L0113378     VOLUME   487817.259 3753289.007 485.27
   LOCATION L0113379     VOLUME   487869.383 3753289.007 483.15
   LOCATION L0113380     VOLUME   487921.507 3753289.007 482.97
   LOCATION L0113381     VOLUME   487973.631 3753289.007 484.84
   LOCATION L0113382     VOLUME   488025.755 3753289.007 485.63
   LOCATION L0113383     VOLUME   488077.879 3753289.007 485.37
   LOCATION L0113384     VOLUME   488130.002 3753289.007 485.63
   LOCATION L0113385     VOLUME   488182.126 3753289.007 485.63
   LOCATION L0113386     VOLUME   488234.250 3753289.007 486.33
   LOCATION L0113387     VOLUME   488286.374 3753289.007 484.87
   LOCATION L0113388     VOLUME   488338.498 3753289.007 484.37
   LOCATION L0113389     VOLUME   488390.622 3753289.007 484.55
   LOCATION L0113390     VOLUME   488442.746 3753289.007 483.27
** End of LINE VOLUME Source ID = SEGMENT22
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT23
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.000146
** Elevated
** Vertical Dimension = 1.10
** SZINIT = 0.26
** Nodes = 2
** 488445.80, 3753299.06, 484.00, 1.10, 18.10
** 488450.82, 3752851.63, 480.00, 1.10, 18.10
** ----------------------------------------------------------------------
   LOCATION L0112967     VOLUME   488445.906 3753289.307 481.64
   LOCATION L0112968     VOLUME   488446.343 3753250.405 481.00
   LOCATION L0112969     VOLUME   488446.780 3753211.503 480.05
   LOCATION L0112970     VOLUME   488447.217 3753172.601 479.00
   LOCATION L0112971     VOLUME   488447.654 3753133.700 478.46
   LOCATION L0112972     VOLUME   488448.091 3753094.798 478.00
   LOCATION L0112973     VOLUME   488448.528 3753055.896 477.00
   LOCATION L0112974     VOLUME   488448.966 3753016.994 477.00
   LOCATION L0112975     VOLUME   488449.403 3752978.092 477.73
   LOCATION L0112976     VOLUME   488449.840 3752939.190 478.97
   LOCATION L0112977     VOLUME   488450.277 3752900.289 478.00
   LOCATION L0112978     VOLUME   488450.714 3752861.387 478.00
** End of LINE VOLUME Source ID = SEGMENT23
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT24
** DESCRSRC
** PREFIX
```

```
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00169
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 2
** 488450.82, 3753299.06, 483.00, 1.30, 23.53
** 489893.66, 3753294.03, 493.00, 1.30, 23.53
** ----------------------------------------------------------------------
   LOCATION L0111878     VOLUME   488463.928 3753299.016 481.83
   LOCATION L0111879     VOLUME   488514.522 3753298.839 480.92
   LOCATION L0111880     VOLUME   488565.116 3753298.663 482.30
   LOCATION L0111881     VOLUME   488615.709 3753298.487 484.06
   LOCATION L0111882     VOLUME   488666.303 3753298.310 483.24
   LOCATION L0111883     VOLUME   488716.897 3753298.134 482.04
   LOCATION L0111884     VOLUME   488767.490 3753297.958 482.14
   LOCATION L0111885     VOLUME   488818.084 3753297.782 481.14
   LOCATION L0111886     VOLUME   488868.678 3753297.605 482.05
   LOCATION L0111887     VOLUME   488919.271 3753297.429 483.39
   LOCATION L0111888     VOLUME   488969.865 3753297.253 485.90
   LOCATION L0111889     VOLUME   489020.459 3753297.076 484.22
   LOCATION L0111890     VOLUME   489071.052 3753296.900 484.83
   LOCATION L0111891     VOLUME   489121.646 3753296.724 484.90
   LOCATION L0111892     VOLUME   489172.240 3753296.548 486.48
   LOCATION L0111893     VOLUME   489222.833 3753296.371 491.61
   LOCATION L0111894     VOLUME   489273.427 3753296.195 494.43
   LOCATION L0111895     VOLUME   489324.020 3753296.019 490.50
   LOCATION L0111896     VOLUME   489374.614 3753295.842 489.14
   LOCATION L0111897     VOLUME   489425.208 3753295.666 490.32
   LOCATION L0111898     VOLUME   489475.801 3753295.490 490.16
   LOCATION L0111899     VOLUME   489526.395 3753295.314 490.47
   LOCATION L0111900     VOLUME   489576.989 3753295.137 493.03
   LOCATION L0111901     VOLUME   489627.582 3753294.961 493.36
   LOCATION L0111902     VOLUME   489678.176 3753294.785 495.58
   LOCATION L0111903     VOLUME   489728.770 3753294.608 496.83
   LOCATION L0111904     VOLUME   489779.363 3753294.432 493.43
   LOCATION L0111905     VOLUME   489829.957 3753294.256 489.16
   LOCATION L0111906     VOLUME   489880.551 3753294.080 491.63
** End of LINE VOLUME Source ID = SEGMENT24
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT25
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.000521
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 3
** 489888.63, 3753289.01, 493.00, 1.30, 22.24
** 489959.01, 3753319.17, 494.00, 1.30, 22.24
** 490099.77, 3753444.85, 504.00, 1.30, 22.24
** ----------------------------------------------------------------------
   LOCATION L0113734     VOLUME   489900.674 3753294.169 493.17
   LOCATION L0113735     VOLUME   489944.622 3753313.004 493.80
   LOCATION L0113736     VOLUME   489983.000 3753340.589 495.70
   LOCATION L0113737     VOLUME   490018.666 3753372.434 498.24
   LOCATION L0113738     VOLUME   490054.332 3753404.279 500.77
   LOCATION L0113739     VOLUME   490089.999 3753436.124 503.31
** End of LINE VOLUME Source ID = SEGMENT25
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT26
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 489898.68, 3753289.01, 493.00, 1.00, 15.51
** 489903.71, 3752871.74, 482.00, 1.00, 15.51
** ----------------------------------------------------------------------
   LOCATION L0112404     VOLUME   489898.786 3753280.472 492.29
   LOCATION L0112405     VOLUME   489899.187 3753247.123 490.45
   LOCATION L0112406     VOLUME   489899.589 3753213.773 488.25
   LOCATION L0112407     VOLUME   489899.991 3753180.423 487.01
   LOCATION L0112408     VOLUME   489900.393 3753147.074 488.28
   LOCATION L0112409     VOLUME   489900.795 3753113.724 490.99
   LOCATION L0112410     VOLUME   489901.196 3753080.374 490.63
   LOCATION L0112411     VOLUME   489901.598 3753047.024 489.03
   LOCATION L0112412     VOLUME   489902.000 3753013.675 487.32
   LOCATION L0112413     VOLUME   489902.402 3752980.325 486.24
   LOCATION L0112414     VOLUME   489902.804 3752946.975 484.59
   LOCATION L0112415     VOLUME   489903.205 3752913.626 482.46
   LOCATION L0112416     VOLUME   489903.607 3752880.276 480.38
** End of LINE VOLUME Source ID = SEGMENT26
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT27
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 489908.74, 3752866.71, 482.00, 1.00, 15.35
** 490255.62, 3752876.77, 483.00, 1.00, 15.35
```

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** ----------------------------------------------------------------------
   LOCATION L0112417     VOLUME   489917.269 3752866.962 481.66
   LOCATION L0112418     VOLUME   489950.251 3752867.918 483.00
   LOCATION L0112419     VOLUME   489983.233 3752868.874 484.03
   LOCATION L0112420     VOLUME   490016.215 3752869.830 484.90
   LOCATION L0112421     VOLUME   490049.197 3752870.786 486.05
   LOCATION L0112422     VOLUME   490082.179 3752871.742 485.72
   LOCATION L0112423     VOLUME   490115.161 3752872.698 485.89
   LOCATION L0112424     VOLUME   490148.143 3752873.654 486.58
   LOCATION L0112425     VOLUME   490181.125 3752874.610 486.03
   LOCATION L0112426     VOLUME   490214.107 3752875.566 484.13
   LOCATION L0112427     VOLUME   490247.089 3752876.522 482.55
** End of LINE VOLUME Source ID = SEGMENT27
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT28
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 3
** 488445.80, 3752856.66, 479.00, 1.00, 15.60
** 489023.93, 3752886.82, 482.00, 1.00, 15.60
** 489903.71, 3752871.74, 482.00, 1.00, 15.60
** ----------------------------------------------------------------------
   LOCATION L0112428     VOLUME   488454.320 3752857.104 478.00
   LOCATION L0112429     VOLUME   488487.803 3752858.851 478.65
   LOCATION L0112430     VOLUME   488521.287 3752860.598 477.56
   LOCATION L0112431     VOLUME   488554.771 3752862.345 475.49
   LOCATION L0112432     VOLUME   488588.255 3752864.092 475.28
   LOCATION L0112433     VOLUME   488621.738 3752865.839 476.58
   LOCATION L0112434     VOLUME   488655.222 3752867.586 478.01
   LOCATION L0112435     VOLUME   488688.706 3752869.333 478.46
   LOCATION L0112436     VOLUME   488722.190 3752871.080 477.56
   LOCATION L0112437     VOLUME   488755.673 3752872.827 477.44
   LOCATION L0112438     VOLUME   488789.157 3752874.574 478.33
   LOCATION L0112439     VOLUME   488822.641 3752876.321 478.23
   LOCATION L0112440     VOLUME   488856.125 3752878.068 478.05
   LOCATION L0112441     VOLUME   488889.608 3752879.815 478.00
   LOCATION L0112442     VOLUME   488923.092 3752881.562 477.67
   LOCATION L0112443     VOLUME   488956.576 3752883.309 478.20
   LOCATION L0112444     VOLUME   488990.060 3752885.056 479.67
   LOCATION L0112445     VOLUME   489023.543 3752886.803 481.39
   LOCATION L0112446     VOLUME   489057.067 3752886.256 482.69
   LOCATION L0112447     VOLUME   489090.592 3752885.681 481.79
   LOCATION L0112448     VOLUME   489124.116 3752885.106 480.72
   LOCATION L0112449     VOLUME   489157.640 3752884.531 479.78
   LOCATION L0112450     VOLUME   489191.165 3752883.957 478.81
   LOCATION L0112451     VOLUME   489224.689 3752883.382 478.66
   LOCATION L0112452     VOLUME   489258.213 3752882.807 479.70
   LOCATION L0112453     VOLUME   489291.738 3752882.233 480.07
   LOCATION L0112454     VOLUME   489325.262 3752881.658 480.06
   LOCATION L0112455     VOLUME   489358.787 3752881.083 480.07
   LOCATION L0112456     VOLUME   489392.311 3752880.508 480.03
   LOCATION L0112457     VOLUME   489425.835 3752879.934 480.19
   LOCATION L0112458     VOLUME   489459.360 3752879.359 481.26
   LOCATION L0112459     VOLUME   489492.884 3752878.784 481.90
   LOCATION L0112460     VOLUME   489526.408 3752878.210 481.91
   LOCATION L0112461     VOLUME   489559.933 3752877.635 482.48
   LOCATION L0112462     VOLUME   489593.457 3752877.060 483.49
   LOCATION L0112463     VOLUME   489626.981 3752876.486 484.65
   LOCATION L0112464     VOLUME   489660.506 3752875.911 484.85
   LOCATION L0112465     VOLUME   489694.030 3752875.336 483.84
   LOCATION L0112466     VOLUME   489727.555 3752874.761 484.12
   LOCATION L0112467     VOLUME   489761.079 3752874.187 485.30
   LOCATION L0112468     VOLUME   489794.603 3752873.612 484.92
   LOCATION L0112469     VOLUME   489828.128 3752873.037 482.79
   LOCATION L0112470     VOLUME   489861.652 3752872.463 480.74
   LOCATION L0112471     VOLUME   489895.176 3752871.888 480.27
** End of LINE VOLUME Source ID = SEGMENT28
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT29
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.00353
** Elevated
** Vertical Dimension = 1.50
** SZINIT = 0.35
** Nodes = 2
** 488254.11, 3755298.30, 548.00, 1.50, 9.20
** 488465.26, 3754775.46, 527.00, 1.50, 9.20
** ----------------------------------------------------------------------
   LOCATION L0113397     VOLUME   488256.001 3755293.618 547.91
   LOCATION L0113398     VOLUME   488263.407 3755275.280 547.76
   LOCATION L0113399     VOLUME   488270.813 3755256.941 547.00
   LOCATION L0113400     VOLUME   488278.219 3755238.603 546.11
   LOCATION L0113401     VOLUME   488285.625 3755220.265 545.58
   LOCATION L0113402     VOLUME   488293.031 3755201.926 546.30
   LOCATION L0113403     VOLUME   488300.437 3755183.588 546.55
   LOCATION L0113404     VOLUME   488307.843 3755165.250 546.07
   LOCATION L0113405     VOLUME   488315.248 3755146.911 545.50
   LOCATION L0113406     VOLUME   488322.654 3755128.573 544.24
   LOCATION L0113407     VOLUME   488330.060 3755110.235 541.81
   LOCATION L0113408     VOLUME   488337.466 3755091.896 539.27
   LOCATION L0113409     VOLUME   488344.872 3755073.558 537.21
   LOCATION L0113410     VOLUME   488352.278 3755055.220 535.11
   LOCATION L0113411     VOLUME   488359.684 3755036.881 533.03
   LOCATION L0113412     VOLUME   488367.089 3755018.543 531.46
   LOCATION L0113413     VOLUME   488374.495 3755000.205 530.12
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   LOCATION L0113414     VOLUME   488381.901 3754981.866 528.93
   LOCATION L0113415     VOLUME   488389.307 3754963.528 527.84
   LOCATION L0113416     VOLUME   488396.713 3754945.190 527.02
   LOCATION L0113417     VOLUME   488404.119 3754926.851 527.91
   LOCATION L0113418     VOLUME   488411.525 3754908.513 527.77
   LOCATION L0113419     VOLUME   488418.930 3754890.175 527.27
   LOCATION L0113420     VOLUME   488426.336 3754871.837 526.62
   LOCATION L0113421     VOLUME   488433.742 3754853.498 525.57
   LOCATION L0113422     VOLUME   488441.148 3754835.160 524.34
   LOCATION L0113423     VOLUME   488448.554 3754816.822 526.00
   LOCATION L0113424     VOLUME   488455.960 3754798.483 526.05
   LOCATION L0113425     VOLUME   488463.366 3754780.145 526.51
** End of LINE VOLUME Source ID = SEGMENT29
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT30
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.0136
** Elevated
** Vertical Dimension = 1.50
** SZINIT = 0.35
** Nodes = 4
** 488465.58, 3754780.49, 527.00, 1.50, 9.32
** 488732.03, 3754307.92, 516.00, 1.50, 9.32
** 488963.28, 3754116.89, 511.00, 1.50, 9.32
** 490099.45, 3753423.12, 503.00, 1.50, 9.32
** ----------------------------------------------------------------------
   LOCATION L0113740     VOLUME   488468.061 3754776.091 526.90
   LOCATION L0113741     VOLUME   488477.900 3754758.640 526.49
   LOCATION L0113742     VOLUME   488487.740 3754741.189 526.09
   LOCATION L0113743     VOLUME   488497.579 3754723.739 525.68
   LOCATION L0113744     VOLUME   488507.418 3754706.288 525.27
   LOCATION L0113745     VOLUME   488517.257 3754688.838 524.87
   LOCATION L0113746     VOLUME   488527.096 3754671.387 524.46
   LOCATION L0113747     VOLUME   488536.935 3754653.936 524.05
   LOCATION L0113748     VOLUME   488546.775 3754636.486 523.65
   LOCATION L0113749     VOLUME   488556.614 3754619.035 523.24
   LOCATION L0113750     VOLUME   488566.453 3754601.585 522.84
   LOCATION L0113751     VOLUME   488576.292 3754584.134 522.43
   LOCATION L0113752     VOLUME   488586.131 3754566.683 522.02
   LOCATION L0113753     VOLUME   488595.971 3754549.233 521.62
   LOCATION L0113754     VOLUME   488605.810 3754531.782 521.21
   LOCATION L0113755     VOLUME   488615.649 3754514.331 520.80
   LOCATION L0113756     VOLUME   488625.488 3754496.881 520.40
   LOCATION L0113757     VOLUME   488635.327 3754479.430 519.99
   LOCATION L0113758     VOLUME   488645.166 3754461.980 519.59
   LOCATION L0113759     VOLUME   488655.006 3754444.529 519.18
   LOCATION L0113760     VOLUME   488664.845 3754427.078 518.77
   LOCATION L0113761     VOLUME   488674.684 3754409.628 518.37
   LOCATION L0113762     VOLUME   488684.523 3754392.177 517.96
   LOCATION L0113763     VOLUME   488694.362 3754374.727 517.55
   LOCATION L0113764     VOLUME   488704.201 3754357.276 517.15
   LOCATION L0113765     VOLUME   488714.041 3754339.825 516.74
   LOCATION L0113766     VOLUME   488723.880 3754322.375 516.34
   LOCATION L0113767     VOLUME   488734.683 3754305.731 515.94
   LOCATION L0113768     VOLUME   488750.128 3754292.972 515.61
   LOCATION L0113769     VOLUME   488765.573 3754280.213 515.27
   LOCATION L0113770     VOLUME   488781.018 3754267.454 514.94
   LOCATION L0113771     VOLUME   488796.462 3754254.695 514.61
   LOCATION L0113772     VOLUME   488811.907 3754241.937 514.27
   LOCATION L0113773     VOLUME   488827.352 3754229.178 513.94
   LOCATION L0113774     VOLUME   488842.797 3754216.419 513.61
   LOCATION L0113775     VOLUME   488858.242 3754203.660 513.27
   LOCATION L0113776     VOLUME   488873.687 3754190.901 512.94
   LOCATION L0113777     VOLUME   488889.132 3754178.142 512.60
   LOCATION L0113778     VOLUME   488904.577 3754165.384 512.27
   LOCATION L0113779     VOLUME   488920.022 3754152.625 511.94
   LOCATION L0113780     VOLUME   488935.467 3754139.866 511.60
   LOCATION L0113781     VOLUME   488950.912 3754127.107 511.27
   LOCATION L0113782     VOLUME   488966.685 3754114.810 510.98
   LOCATION L0113783     VOLUME   488983.783 3754104.369 510.86
   LOCATION L0113784     VOLUME   489000.881 3754093.929 510.74
   LOCATION L0113785     VOLUME   489017.979 3754083.489 510.61
   LOCATION L0113786     VOLUME   489035.077 3754073.049 510.49
   LOCATION L0113787     VOLUME   489052.174 3754062.608 510.37
   LOCATION L0113788     VOLUME   489069.272 3754052.168 510.25
   LOCATION L0113789     VOLUME   489086.370 3754041.728 510.13
   LOCATION L0113790     VOLUME   489103.468 3754031.288 510.01
   LOCATION L0113791     VOLUME   489120.566 3754020.847 509.89
   LOCATION L0113792     VOLUME   489137.663 3754010.407 509.77
   LOCATION L0113793     VOLUME   489154.761 3753999.967 509.65
   LOCATION L0113794     VOLUME   489171.859 3753989.527 509.53
   LOCATION L0113795     VOLUME   489188.957 3753979.086 509.41
   LOCATION L0113796     VOLUME   489206.055 3753968.646 509.29
   LOCATION L0113797     VOLUME   489223.152 3753958.206 509.17
   LOCATION L0113798     VOLUME   489240.250 3753947.766 509.05
   LOCATION L0113799     VOLUME   489257.348 3753937.325 508.93
   LOCATION L0113800     VOLUME   489274.446 3753926.885 508.81
   LOCATION L0113801     VOLUME   489291.544 3753916.445 508.69
   LOCATION L0113802     VOLUME   489308.641 3753906.005 508.57
   LOCATION L0113803     VOLUME   489325.739 3753895.564 508.45
   LOCATION L0113804     VOLUME   489342.837 3753885.124 508.33
   LOCATION L0113805     VOLUME   489359.935 3753874.684 508.21
   LOCATION L0113806     VOLUME   489377.033 3753864.244 508.09
   LOCATION L0113807     VOLUME   489394.130 3753853.803 507.97
   LOCATION L0113808     VOLUME   489411.228 3753843.363 507.85
   LOCATION L0113809     VOLUME   489428.326 3753832.923 507.73
   LOCATION L0113810     VOLUME   489445.424 3753822.483 507.61
   LOCATION L0113811     VOLUME   489462.522 3753812.042 507.48
   LOCATION L0113812     VOLUME   489479.619 3753801.602 507.36
   LOCATION L0113813     VOLUME   489496.717 3753791.162 507.24
   LOCATION L0113814     VOLUME   489513.815 3753780.722 507.12
   LOCATION L0113815     VOLUME   489530.913 3753770.281 507.00
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   LOCATION L0113816     VOLUME   489548.011 3753759.841 506.88
   LOCATION L0113817     VOLUME   489565.108 3753749.401 506.76
   LOCATION L0113818     VOLUME   489582.206 3753738.961 506.64
   LOCATION L0113819     VOLUME   489599.304 3753728.520 506.52
   LOCATION L0113820     VOLUME   489616.402 3753718.080 506.40
   LOCATION L0113821     VOLUME   489633.500 3753707.640 506.28
   LOCATION L0113822     VOLUME   489650.597 3753697.200 506.16
   LOCATION L0113823     VOLUME   489667.695 3753686.759 506.04
   LOCATION L0113824     VOLUME   489684.793 3753676.319 505.92
   LOCATION L0113825     VOLUME   489701.891 3753665.879 505.80
   LOCATION L0113826     VOLUME   489718.988 3753655.439 505.68
   LOCATION L0113827     VOLUME   489736.086 3753644.998 505.56
   LOCATION L0113828     VOLUME   489753.184 3753634.558 505.44
   LOCATION L0113829     VOLUME   489770.282 3753624.118 505.32
   LOCATION L0113830     VOLUME   489787.380 3753613.678 505.20
   LOCATION L0113831     VOLUME   489804.477 3753603.238 505.08
   LOCATION L0113832     VOLUME   489821.575 3753592.797 504.96
   LOCATION L0113833     VOLUME   489838.673 3753582.357 504.84
   LOCATION L0113834     VOLUME   489855.771 3753571.917 504.72
   LOCATION L0113835     VOLUME   489872.869 3753561.477 504.60
   LOCATION L0113836     VOLUME   489889.966 3753551.036 504.48
   LOCATION L0113837     VOLUME   489907.064 3753540.596 504.35
   LOCATION L0113838     VOLUME   489924.162 3753530.156 504.23
   LOCATION L0113839     VOLUME   489941.260 3753519.716 504.11
   LOCATION L0113840     VOLUME   489958.358 3753509.275 503.99
   LOCATION L0113841     VOLUME   489975.455 3753498.835 503.87
   LOCATION L0113842     VOLUME   489992.553 3753488.395 503.75
   LOCATION L0113843     VOLUME   490009.651 3753477.955 503.63
   LOCATION L0113844     VOLUME   490026.749 3753467.514 503.51
   LOCATION L0113845     VOLUME   490043.847 3753457.074 503.39
   LOCATION L0113846     VOLUME   490060.944 3753446.634 503.27
   LOCATION L0113847     VOLUME   490078.042 3753436.194 503.15
   LOCATION L0113848     VOLUME   490095.140 3753425.753 503.03
** End of LINE VOLUME Source ID = SEGMENT30
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT31
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.0125
** Elevated
** Vertical Dimension = 1.40
** SZINIT = 0.33
** Nodes = 3
** 490099.77, 3753444.85, 504.00, 1.40, 9.38
** 490652.78, 3753118.08, 492.00, 1.40, 9.38
** 491195.72, 3752374.04, 463.00, 1.40, 9.38
** ----------------------------------------------------------------------
   LOCATION L0113849     VOLUME   490104.122 3753442.284 503.91
   LOCATION L0113850     VOLUME   490121.489 3753432.021 503.53
   LOCATION L0113851     VOLUME   490138.857 3753421.758 503.15
   LOCATION L0113852     VOLUME   490156.224 3753411.496 502.78
   LOCATION L0113853     VOLUME   490173.592 3753401.233 502.40
   LOCATION L0113854     VOLUME   490190.959 3753390.971 502.02
   LOCATION L0113855     VOLUME   490208.326 3753380.708 501.64
   LOCATION L0113856     VOLUME   490225.694 3753370.446 501.27
   LOCATION L0113857     VOLUME   490243.061 3753360.183 500.89
   LOCATION L0113858     VOLUME   490260.428 3753349.921 500.51
   LOCATION L0113859     VOLUME   490277.796 3753339.658 500.14
   LOCATION L0113860     VOLUME   490295.163 3753329.396 499.76
   LOCATION L0113861     VOLUME   490312.530 3753319.133 499.38
   LOCATION L0113862     VOLUME   490329.898 3753308.871 499.01
   LOCATION L0113863     VOLUME   490347.265 3753298.608 498.63
   LOCATION L0113864     VOLUME   490364.633 3753288.345 498.25
   LOCATION L0113865     VOLUME   490382.000 3753278.083 497.88
   LOCATION L0113866     VOLUME   490399.367 3753267.820 497.50
   LOCATION L0113867     VOLUME   490416.735 3753257.558 497.12
   LOCATION L0113868     VOLUME   490434.102 3753247.295 496.75
   LOCATION L0113869     VOLUME   490451.469 3753237.033 496.37
   LOCATION L0113870     VOLUME   490468.837 3753226.770 495.99
   LOCATION L0113871     VOLUME   490486.204 3753216.508 495.61
   LOCATION L0113872     VOLUME   490503.572 3753206.245 495.24
   LOCATION L0113873     VOLUME   490520.939 3753195.983 494.86
   LOCATION L0113874     VOLUME   490538.306 3753185.720 494.48
   LOCATION L0113875     VOLUME   490555.674 3753175.458 494.11
   LOCATION L0113876     VOLUME   490573.041 3753165.195 493.73
   LOCATION L0113877     VOLUME   490590.408 3753154.933 493.35
   LOCATION L0113878     VOLUME   490607.776 3753144.670 492.98
   LOCATION L0113879     VOLUME   490625.143 3753134.407 492.60
   LOCATION L0113880     VOLUME   490642.510 3753124.145 492.22
   LOCATION L0113881     VOLUME   490657.639 3753111.415 491.74
   LOCATION L0113882     VOLUME   490669.530 3753095.120 491.11
   LOCATION L0113883     VOLUME   490681.421 3753078.825 490.47
   LOCATION L0113884     VOLUME   490693.313 3753062.529 489.83
   LOCATION L0113885     VOLUME   490705.204 3753046.234 489.20
   LOCATION L0113886     VOLUME   490717.095 3753029.938 488.56
   LOCATION L0113887     VOLUME   490728.986 3753013.643 487.93
   LOCATION L0113888     VOLUME   490740.878 3752997.347 487.29
   LOCATION L0113889     VOLUME   490752.769 3752981.052 486.66
   LOCATION L0113890     VOLUME   490764.660 3752964.756 486.02
   LOCATION L0113891     VOLUME   490776.552 3752948.461 485.39
   LOCATION L0113892     VOLUME   490788.443 3752932.165 484.75
   LOCATION L0113893     VOLUME   490800.334 3752915.870 484.12
   LOCATION L0113894     VOLUME   490812.225 3752899.574 483.48
   LOCATION L0113895     VOLUME   490824.117 3752883.279 482.85
   LOCATION L0113896     VOLUME   490836.008 3752866.983 482.21
   LOCATION L0113897     VOLUME   490847.899 3752850.688 481.58
   LOCATION L0113898     VOLUME   490859.791 3752834.392 480.94
   LOCATION L0113899     VOLUME   490871.682 3752818.097 480.31
   LOCATION L0113900     VOLUME   490883.573 3752801.802 479.67
   LOCATION L0113901     VOLUME   490895.464 3752785.506 479.04
   LOCATION L0113902     VOLUME   490907.356 3752769.211 478.40
   LOCATION L0113903     VOLUME   490919.247 3752752.915 477.77
   LOCATION L0113904     VOLUME   490931.138 3752736.620 477.13
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   LOCATION L0113905     VOLUME   490943.030 3752720.324 476.50
   LOCATION L0113906     VOLUME   490954.921 3752704.029 475.86
   LOCATION L0113907     VOLUME   490966.812 3752687.733 475.23
   LOCATION L0113908     VOLUME   490978.703 3752671.438 474.59
   LOCATION L0113909     VOLUME   490990.595 3752655.142 473.96
   LOCATION L0113910     VOLUME   491002.486 3752638.847 473.32
   LOCATION L0113911     VOLUME   491014.377 3752622.551 472.69
   LOCATION L0113912     VOLUME   491026.269 3752606.256 472.05
   LOCATION L0113913     VOLUME   491038.160 3752589.960 471.42
   LOCATION L0113914     VOLUME   491050.051 3752573.665 470.78
   LOCATION L0113915     VOLUME   491061.942 3752557.370 470.15
   LOCATION L0113916     VOLUME   491073.834 3752541.074 469.51
   LOCATION L0113917     VOLUME   491085.725 3752524.779 468.88
   LOCATION L0113918     VOLUME   491097.616 3752508.483 468.24
   LOCATION L0113919     VOLUME   491109.508 3752492.188 467.60
   LOCATION L0113920     VOLUME   491121.399 3752475.892 466.97
   LOCATION L0113921     VOLUME   491133.290 3752459.597 466.33
   LOCATION L0113922     VOLUME   491145.181 3752443.301 465.70
   LOCATION L0113923     VOLUME   491157.073 3752427.006 465.06
   LOCATION L0113924     VOLUME   491168.964 3752410.710 464.43
   LOCATION L0113925     VOLUME   491180.855 3752394.415 463.79
   LOCATION L0113926     VOLUME   491192.747 3752378.119 463.16
** End of LINE VOLUME Source ID = SEGMENT31
** Source Parameters **
   SRCPARAM PHASE1        3.94E-09     2.300        11
   AREAVERT PHASE1       485577.456 3755020.364 485551.904 3753432.305
   AREAVERT PHASE1       485926.464 3753427.753 485923.846 3753288.414
   AREAVERT PHASE1       486892.734 3753283.394 487138.721 3753248.253
   AREAVERT PHASE1       488479.099 3753223.153 488464.038 3754287.423
   AREAVERT PHASE1       488107.608 3754729.196 487153.781 3754759.316
   AREAVERT PHASE1       487138.721 3755010.324
** LINE VOLUME Source ID = SEGMENT01
   SRCPARAM L0113613      0.001455      1.60     27.35      0.37
   SRCPARAM L0113614      0.001455      1.60     27.35      0.37
   SRCPARAM L0113615      0.001455      1.60     27.35      0.37
   SRCPARAM L0113616      0.001455      1.60     27.35      0.37
   SRCPARAM L0113617      0.001455      1.60     27.35      0.37
   SRCPARAM L0113618      0.001455      1.60     27.35      0.37
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT02
   SRCPARAM L0113619        0.0016      1.60     30.03      0.37
   SRCPARAM L0113620        0.0016      1.60     30.03      0.37
   SRCPARAM L0113621        0.0016      1.60     30.03      0.37
   SRCPARAM L0113622        0.0016      1.60     30.03      0.37
   SRCPARAM L0113623        0.0016      1.60     30.03      0.37
   SRCPARAM L0113624        0.0016      1.60     30.03      0.37
   SRCPARAM L0113625        0.0016      1.60     30.03      0.37
   SRCPARAM L0113626        0.0016      1.60     30.03      0.37
   SRCPARAM L0113627        0.0016      1.60     30.03      0.37
   SRCPARAM L0113628        0.0016      1.60     30.03      0.37
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT03
   SRCPARAM L0111572     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111573     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111574     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111575     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111576     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111577     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111578     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111579     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111580     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111581     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111582     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111583     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111584     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111585     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111586     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111587     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111588     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111589     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111590     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111591     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111592     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111593     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111594     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111595     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111596     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111597     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111598     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111599     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111600     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111601     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0111602     0.0005612903      1.60     18.01      0.37
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT04
   SRCPARAM L0111603       0.00009      1.30     17.72      0.30
   SRCPARAM L0111604       0.00009      1.30     17.72      0.30
   SRCPARAM L0111605       0.00009      1.30     17.72      0.30
   SRCPARAM L0111606       0.00009      1.30     17.72      0.30
   SRCPARAM L0111607       0.00009      1.30     17.72      0.30
   SRCPARAM L0111608       0.00009      1.30     17.72      0.30
   SRCPARAM L0111609       0.00009      1.30     17.72      0.30
   SRCPARAM L0111610       0.00009      1.30     17.72      0.30
   SRCPARAM L0111611       0.00009      1.30     17.72      0.30
   SRCPARAM L0111612       0.00009      1.30     17.72      0.30
   SRCPARAM L0111613       0.00009      1.30     17.72      0.30
   SRCPARAM L0111614       0.00009      1.30     17.72      0.30
   SRCPARAM L0111615       0.00009      1.30     17.72      0.30
   SRCPARAM L0111616       0.00009      1.30     17.72      0.30
   SRCPARAM L0111617       0.00009      1.30     17.72      0.30
   SRCPARAM L0111618       0.00009      1.30     17.72      0.30
   SRCPARAM L0111619       0.00009      1.30     17.72      0.30
   SRCPARAM L0111620       0.00009      1.30     17.72      0.30
   SRCPARAM L0111621       0.00009      1.30     17.72      0.30
   SRCPARAM L0111622       0.00009      1.30     17.72      0.30
   SRCPARAM L0111623       0.00009      1.30     17.72      0.30
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   SRCPARAM L0111624       0.00009      1.30     17.72      0.30
   SRCPARAM L0111625       0.00009      1.30     17.72      0.30
   SRCPARAM L0111626       0.00009      1.30     17.72      0.30
   SRCPARAM L0111627       0.00009      1.30     17.72      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT05
   SRCPARAM L0113629     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113630     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113631     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113632     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113633     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113634     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113635     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113636     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113637     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113638     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113639     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113640     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113641     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113642     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113643     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113644     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113645     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113646     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113647     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113648     0.0001428571      1.30     24.05      0.30
   SRCPARAM L0113649     0.0001428571      1.30     24.05      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT06
   SRCPARAM L0113650     0.0004647368      1.50     29.19      0.35
   SRCPARAM L0113651     0.0004647368      1.50     29.19      0.35
   SRCPARAM L0113652     0.0004647368      1.50     29.19      0.35
   SRCPARAM L0113653     0.0004647368      1.50     29.19      0.35
   SRCPARAM L0113654     0.0004647368      1.50     29.19      0.35
   SRCPARAM L0113655     0.0004647368      1.50     29.19      0.35
   SRCPARAM L0113656     0.0004647368      1.50     29.19      0.35
   SRCPARAM L0113657     0.0004647368      1.50     29.19      0.35
   SRCPARAM L0113658     0.0004647368      1.50     29.19      0.35
   SRCPARAM L0113659     0.0004647368      1.50     29.19      0.35
   SRCPARAM L0113660     0.0004647368      1.50     29.19      0.35
   SRCPARAM L0113661     0.0004647368      1.50     29.19      0.35
   SRCPARAM L0113662     0.0004647368      1.50     29.19      0.35
   SRCPARAM L0113663     0.0004647368      1.50     29.19      0.35
   SRCPARAM L0113664     0.0004647368      1.50     29.19      0.35
   SRCPARAM L0113665     0.0004647368      1.50     29.19      0.35
   SRCPARAM L0113666     0.0004647368      1.50     29.19      0.35
   SRCPARAM L0113667     0.0004647368      1.50     29.19      0.35
   SRCPARAM L0113668     0.0004647368      1.50     29.19      0.35
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT07
   SRCPARAM L0112744           0.0      1.00     29.21      0.23
   SRCPARAM L0112745           0.0      1.00     29.21      0.23
   SRCPARAM L0112746           0.0      1.00     29.21      0.23
   SRCPARAM L0112747           0.0      1.00     29.21      0.23
   SRCPARAM L0112748           0.0      1.00     29.21      0.23
   SRCPARAM L0112749           0.0      1.00     29.21      0.23
   SRCPARAM L0112750           0.0      1.00     29.21      0.23
   SRCPARAM L0112751           0.0      1.00     29.21      0.23
   SRCPARAM L0112752           0.0      1.00     29.21      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT08
   SRCPARAM L0113257     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113258     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113259     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113260     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113261     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113262     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113263     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113264     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113265     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113266     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113267     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113268     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113269     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113270     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113271     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113272     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113273     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113274     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113275     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113276     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113277     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113278     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113279     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113280     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113281     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113282     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113283     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113284     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113285     0.0001636667      1.30     18.01      0.30
   SRCPARAM L0113286     0.0001636667      1.30     18.01      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT11
   SRCPARAM L0113669     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113670     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113671     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113672     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113673     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113674     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113675     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113676     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113677     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113678     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113679     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113680     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113681     0.0000438889      1.00     15.74      0.23
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   SRCPARAM L0113682     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113683     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113684     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113685     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113686     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113687     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113688     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113689     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113690     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113691     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113692     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113693     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113694     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113695     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113696     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113697     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113698     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113699     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113700     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113701     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113702     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113703     0.0000438889      1.00     15.74      0.23
   SRCPARAM L0113704     0.0000438889      1.00     15.74      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT12
   SRCPARAM L0113323     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113324     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113325     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113326     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113327     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113328     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113329     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113330     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113331     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113332     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113333     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113334     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113335     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113336     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113337     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113338     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113339     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113340     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113341     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113342     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113343     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113344     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113345     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113346     0.0001072       1.50     15.63      0.35
   SRCPARAM L0113347     0.0001072       1.50     15.63      0.35
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT14
   SRCPARAM L0112276           0.0       1.00     23.83      0.23
   SRCPARAM L0112277           0.0       1.00     23.83      0.23
   SRCPARAM L0112278           0.0       1.00     23.83      0.23
   SRCPARAM L0112279           0.0       1.00     23.83      0.23
   SRCPARAM L0112280           0.0       1.00     23.83      0.23
   SRCPARAM L0112281           0.0       1.00     23.83      0.23
   SRCPARAM L0112282           0.0       1.00     23.83      0.23
   SRCPARAM L0112283           0.0       1.00     23.83      0.23
   SRCPARAM L0112284           0.0       1.00     23.83      0.23
   SRCPARAM L0112285           0.0       1.00     23.83      0.23
   SRCPARAM L0112286           0.0       1.00     23.83      0.23
   SRCPARAM L0112287           0.0       1.00     23.83      0.23
   SRCPARAM L0112288           0.0       1.00     23.83      0.23
   SRCPARAM L0112289           0.0       1.00     23.83      0.23
   SRCPARAM L0112290           0.0       1.00     23.83      0.23
   SRCPARAM L0112291           0.0       1.00     23.83      0.23
   SRCPARAM L0112292           0.0       1.00     23.83      0.23
   SRCPARAM L0112293           0.0       1.00     23.83      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT15
   SRCPARAM L0113705     0.0002106667      1.70     23.51      0.40
   SRCPARAM L0113706     0.0002106667      1.70     23.51      0.40
   SRCPARAM L0113707     0.0002106667      1.70     23.51      0.40
   SRCPARAM L0113708     0.0002106667      1.70     23.51      0.40
   SRCPARAM L0113709     0.0002106667      1.70     23.51      0.40
   SRCPARAM L0113710     0.0002106667      1.70     23.51      0.40
   SRCPARAM L0113711     0.0002106667      1.70     23.51      0.40
   SRCPARAM L0113712     0.0002106667      1.70     23.51      0.40
   SRCPARAM L0113713     0.0002106667      1.70     23.51      0.40
   SRCPARAM L0113714     0.0002106667      1.70     23.51      0.40
   SRCPARAM L0113715     0.0002106667      1.70     23.51      0.40
   SRCPARAM L0113716     0.0002106667      1.70     23.51      0.40
   SRCPARAM L0113717     0.0002106667      1.70     23.51      0.40
   SRCPARAM L0113718     0.0002106667      1.70     23.51      0.40
   SRCPARAM L0113719     0.0002106667      1.70     23.51      0.40
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT18
   SRCPARAM L0112859           0.0       1.00     23.38      0.23
   SRCPARAM L0112860           0.0       1.00     23.38      0.23
   SRCPARAM L0112861           0.0       1.00     23.38      0.23
   SRCPARAM L0112862           0.0       1.00     23.38      0.23
   SRCPARAM L0112863           0.0       1.00     23.38      0.23
   SRCPARAM L0112864           0.0       1.00     23.38      0.23
   SRCPARAM L0112865           0.0       1.00     23.38      0.23
   SRCPARAM L0112866           0.0       1.00     23.38      0.23
   SRCPARAM L0112867           0.0       1.00     23.38      0.23
   SRCPARAM L0112868           0.0       1.00     23.38      0.23
   SRCPARAM L0112869           0.0       1.00     23.38      0.23
   SRCPARAM L0112870           0.0       1.00     23.38      0.23
   SRCPARAM L0112871           0.0       1.00     23.38      0.23
   SRCPARAM L0112872           0.0       1.00     23.38      0.23
   SRCPARAM L0112873           0.0       1.00     23.38      0.23
   SRCPARAM L0112874           0.0       1.00     23.38      0.23
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** LINE VOLUME Source ID = SEGMENT18A
   SRCPARAM L0112309          0.0      1.00     24.10      0.23
   SRCPARAM L0112310          0.0      1.00     24.10      0.23
   SRCPARAM L0112311          0.0      1.00     24.10      0.23
   SRCPARAM L0112312          0.0      1.00     24.10      0.23
   SRCPARAM L0112313          0.0      1.00     24.10      0.23
   SRCPARAM L0112314          0.0      1.00     24.10      0.23
   SRCPARAM L0112315          0.0      1.00     24.10      0.23
   SRCPARAM L0112316          0.0      1.00     24.10      0.23
   SRCPARAM L0112317          0.0      1.00     24.10      0.23
   SRCPARAM L0112318          0.0      1.00     24.10      0.23
   SRCPARAM L0112319          0.0      1.00     24.10      0.23
   SRCPARAM L0112320          0.0      1.00     24.10      0.23
   SRCPARAM L0112321          0.0      1.00     24.10      0.23
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT19
   SRCPARAM L0112875          0.0      1.00     17.64      0.23
   SRCPARAM L0112876          0.0      1.00     17.64      0.23
   SRCPARAM L0112877          0.0      1.00     17.64      0.23
   SRCPARAM L0112878          0.0      1.00     17.64      0.23
   SRCPARAM L0112879          0.0      1.00     17.64      0.23
   SRCPARAM L0112880          0.0      1.00     17.64      0.23
   SRCPARAM L0112881          0.0      1.00     17.64      0.23
   SRCPARAM L0112882          0.0      1.00     17.64      0.23
   SRCPARAM L0112883          0.0      1.00     17.64      0.23
   SRCPARAM L0112884          0.0      1.00     17.64      0.23
   SRCPARAM L0112885          0.0      1.00     17.64      0.23
   SRCPARAM L0112886          0.0      1.00     17.64      0.23
   SRCPARAM L0112887          0.0      1.00     17.64      0.23
   SRCPARAM L0112888          0.0      1.00     17.64      0.23
   SRCPARAM L0112889          0.0      1.00     17.64      0.23
   SRCPARAM L0112890          0.0      1.00     17.64      0.23
   SRCPARAM L0112891          0.0      1.00     17.64      0.23
   SRCPARAM L0112892          0.0      1.00     17.64      0.23
   SRCPARAM L0112893          0.0      1.00     17.64      0.23
   SRCPARAM L0112894          0.0      1.00     17.64      0.23
   SRCPARAM L0112895          0.0      1.00     17.64      0.23
   SRCPARAM L0112896          0.0      1.00     17.64      0.23
   SRCPARAM L0112897          0.0      1.00     17.64      0.23
   SRCPARAM L0112898          0.0      1.00     17.64      0.23
   SRCPARAM L0112899          0.0      1.00     17.64      0.23
   SRCPARAM L0112900          0.0      1.00     17.64      0.23
   SRCPARAM L0112901          0.0      1.00     17.64      0.23
   SRCPARAM L0112902          0.0      1.00     17.64      0.23
   SRCPARAM L0112903          0.0      1.00     17.64      0.23
   SRCPARAM L0112904          0.0      1.00     17.64      0.23
   SRCPARAM L0112905          0.0      1.00     17.64      0.23
   SRCPARAM L0112906          0.0      1.00     17.64      0.23
   SRCPARAM L0112907          0.0      1.00     17.64      0.23
   SRCPARAM L0112908          0.0      1.00     17.64      0.23
   SRCPARAM L0112909          0.0      1.00     17.64      0.23
   SRCPARAM L0112910          0.0      1.00     17.64      0.23
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT20
   SRCPARAM L0112911          0.0      1.00     18.04      0.23
   SRCPARAM L0112912          0.0      1.00     18.04      0.23
   SRCPARAM L0112913          0.0      1.00     18.04      0.23
   SRCPARAM L0112914          0.0      1.00     18.04      0.23
   SRCPARAM L0112915          0.0      1.00     18.04      0.23
   SRCPARAM L0112916          0.0      1.00     18.04      0.23
   SRCPARAM L0112917          0.0      1.00     18.04      0.23
   SRCPARAM L0112918          0.0      1.00     18.04      0.23
   SRCPARAM L0112919          0.0      1.00     18.04      0.23
   SRCPARAM L0112920          0.0      1.00     18.04      0.23
   SRCPARAM L0112921          0.0      1.00     18.04      0.23
   SRCPARAM L0112922          0.0      1.00     18.04      0.23
   SRCPARAM L0112923          0.0      1.00     18.04      0.23
   SRCPARAM L0112924          0.0      1.00     18.04      0.23
   SRCPARAM L0112925          0.0      1.00     18.04      0.23
   SRCPARAM L0112926          0.0      1.00     18.04      0.23
   SRCPARAM L0112927          0.0      1.00     18.04      0.23
   SRCPARAM L0112928          0.0      1.00     18.04      0.23
   SRCPARAM L0112929          0.0      1.00     18.04      0.23
   SRCPARAM L0112930          0.0      1.00     18.04      0.23
   SRCPARAM L0112931          0.0      1.00     18.04      0.23
   SRCPARAM L0112932          0.0      1.00     18.04      0.23
   SRCPARAM L0112933          0.0      1.00     18.04      0.23
   SRCPARAM L0112934          0.0      1.00     18.04      0.23
   SRCPARAM L0112935          0.0      1.00     18.04      0.23
   SRCPARAM L0112936          0.0      1.00     18.04      0.23
   SRCPARAM L0112937          0.0      1.00     18.04      0.23
   SRCPARAM L0112938          0.0      1.00     18.04      0.23
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT21
   SRCPARAM L0113720     0.0001864286      1.40     22.81      0.33
   SRCPARAM L0113721     0.0001864286      1.40     22.81      0.33
   SRCPARAM L0113722     0.0001864286      1.40     22.81      0.33
   SRCPARAM L0113723     0.0001864286      1.40     22.81      0.33
   SRCPARAM L0113724     0.0001864286      1.40     22.81      0.33
   SRCPARAM L0113725     0.0001864286      1.40     22.81      0.33
   SRCPARAM L0113726     0.0001864286      1.40     22.81      0.33
   SRCPARAM L0113727     0.0001864286      1.40     22.81      0.33
   SRCPARAM L0113728     0.0001864286      1.40     22.81      0.33
   SRCPARAM L0113729     0.0001864286      1.40     22.81      0.33
   SRCPARAM L0113730     0.0001864286      1.40     22.81      0.33
   SRCPARAM L0113731     0.0001864286      1.40     22.81      0.33
   SRCPARAM L0113732     0.0001864286      1.40     22.81      0.33
   SRCPARAM L0113733     0.0001864286      1.40     22.81      0.33
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT22
   SRCPARAM L0113377     0.0001242857      1.40     24.24      0.33
   SRCPARAM L0113378     0.0001242857      1.40     24.24      0.33
   SRCPARAM L0113379     0.0001242857      1.40     24.24      0.33
   SRCPARAM L0113380     0.0001242857      1.40     24.24      0.33
   SRCPARAM L0113381     0.0001242857      1.40     24.24      0.33
   SRCPARAM L0113382     0.0001242857      1.40     24.24      0.33
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   SRCPARAM L0113383     0.0001242857      1.40     24.24      0.33
   SRCPARAM L0113384     0.0001242857      1.40     24.24      0.33
   SRCPARAM L0113385     0.0001242857      1.40     24.24      0.33
   SRCPARAM L0113386     0.0001242857      1.40     24.24      0.33
   SRCPARAM L0113387     0.0001242857      1.40     24.24      0.33
   SRCPARAM L0113388     0.0001242857      1.40     24.24      0.33
   SRCPARAM L0113389     0.0001242857      1.40     24.24      0.33
   SRCPARAM L0113390     0.0001242857      1.40     24.24      0.33
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT23
   SRCPARAM L0112967     0.0000121667      1.10     18.10      0.26
   SRCPARAM L0112968     0.0000121667      1.10     18.10      0.26
   SRCPARAM L0112969     0.0000121667      1.10     18.10      0.26
   SRCPARAM L0112970     0.0000121667      1.10     18.10      0.26
   SRCPARAM L0112971     0.0000121667      1.10     18.10      0.26
   SRCPARAM L0112972     0.0000121667      1.10     18.10      0.26
   SRCPARAM L0112973     0.0000121667      1.10     18.10      0.26
   SRCPARAM L0112974     0.0000121667      1.10     18.10      0.26
   SRCPARAM L0112975     0.0000121667      1.10     18.10      0.26
   SRCPARAM L0112976     0.0000121667      1.10     18.10      0.26
   SRCPARAM L0112977     0.0000121667      1.10     18.10      0.26
   SRCPARAM L0112978     0.0000121667      1.10     18.10      0.26
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT24
   SRCPARAM L0111878     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111879     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111880     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111881     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111882     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111883     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111884     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111885     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111886     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111887     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111888     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111889     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111890     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111891     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111892     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111893     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111894     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111895     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111896     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111897     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111898     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111899     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111900     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111901     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111902     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111903     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111904     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111905     0.0000582759      1.30     23.53      0.30
   SRCPARAM L0111906     0.0000582759      1.30     23.53      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT25
   SRCPARAM L0113734     0.0000868333      1.30     22.24      0.30
   SRCPARAM L0113735     0.0000868333      1.30     22.24      0.30
   SRCPARAM L0113736     0.0000868333      1.30     22.24      0.30
   SRCPARAM L0113737     0.0000868333      1.30     22.24      0.30
   SRCPARAM L0113738     0.0000868333      1.30     22.24      0.30
   SRCPARAM L0113739     0.0000868333      1.30     22.24      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT26
   SRCPARAM L0112404           0.0      1.00     15.51      0.23
   SRCPARAM L0112405           0.0      1.00     15.51      0.23
   SRCPARAM L0112406           0.0      1.00     15.51      0.23
   SRCPARAM L0112407           0.0      1.00     15.51      0.23
   SRCPARAM L0112408           0.0      1.00     15.51      0.23
   SRCPARAM L0112409           0.0      1.00     15.51      0.23
   SRCPARAM L0112410           0.0      1.00     15.51      0.23
   SRCPARAM L0112411           0.0      1.00     15.51      0.23
   SRCPARAM L0112412           0.0      1.00     15.51      0.23
   SRCPARAM L0112413           0.0      1.00     15.51      0.23
   SRCPARAM L0112414           0.0      1.00     15.51      0.23
   SRCPARAM L0112415           0.0      1.00     15.51      0.23
   SRCPARAM L0112416           0.0      1.00     15.51      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT27
   SRCPARAM L0112417           0.0      1.00     15.35      0.23
   SRCPARAM L0112418           0.0      1.00     15.35      0.23
   SRCPARAM L0112419           0.0      1.00     15.35      0.23
   SRCPARAM L0112420           0.0      1.00     15.35      0.23
   SRCPARAM L0112421           0.0      1.00     15.35      0.23
   SRCPARAM L0112422           0.0      1.00     15.35      0.23
   SRCPARAM L0112423           0.0      1.00     15.35      0.23
   SRCPARAM L0112424           0.0      1.00     15.35      0.23
   SRCPARAM L0112425           0.0      1.00     15.35      0.23
   SRCPARAM L0112426           0.0      1.00     15.35      0.23
   SRCPARAM L0112427           0.0      1.00     15.35      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT28
   SRCPARAM L0112428           0.0      1.00     15.60      0.23
   SRCPARAM L0112429           0.0      1.00     15.60      0.23
   SRCPARAM L0112430           0.0      1.00     15.60      0.23
   SRCPARAM L0112431           0.0      1.00     15.60      0.23
   SRCPARAM L0112432           0.0      1.00     15.60      0.23
   SRCPARAM L0112433           0.0      1.00     15.60      0.23
   SRCPARAM L0112434           0.0      1.00     15.60      0.23
   SRCPARAM L0112435           0.0      1.00     15.60      0.23
   SRCPARAM L0112436           0.0      1.00     15.60      0.23
   SRCPARAM L0112437           0.0      1.00     15.60      0.23
   SRCPARAM L0112438           0.0      1.00     15.60      0.23
   SRCPARAM L0112439           0.0      1.00     15.60      0.23
   SRCPARAM L0112440           0.0      1.00     15.60      0.23
   SRCPARAM L0112441           0.0      1.00     15.60      0.23
   SRCPARAM L0112442           0.0      1.00     15.60      0.23
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   SRCPARAM L0112443          0.0      1.00     15.60      0.23
   SRCPARAM L0112444          0.0      1.00     15.60      0.23
   SRCPARAM L0112445          0.0      1.00     15.60      0.23
   SRCPARAM L0112446          0.0      1.00     15.60      0.23
   SRCPARAM L0112447          0.0      1.00     15.60      0.23
   SRCPARAM L0112448          0.0      1.00     15.60      0.23
   SRCPARAM L0112449          0.0      1.00     15.60      0.23
   SRCPARAM L0112450          0.0      1.00     15.60      0.23
   SRCPARAM L0112451          0.0      1.00     15.60      0.23
   SRCPARAM L0112452          0.0      1.00     15.60      0.23
   SRCPARAM L0112453          0.0      1.00     15.60      0.23
   SRCPARAM L0112454          0.0      1.00     15.60      0.23
   SRCPARAM L0112455          0.0      1.00     15.60      0.23
   SRCPARAM L0112456          0.0      1.00     15.60      0.23
   SRCPARAM L0112457          0.0      1.00     15.60      0.23
   SRCPARAM L0112458          0.0      1.00     15.60      0.23
   SRCPARAM L0112459          0.0      1.00     15.60      0.23
   SRCPARAM L0112460          0.0      1.00     15.60      0.23
   SRCPARAM L0112461          0.0      1.00     15.60      0.23
   SRCPARAM L0112462          0.0      1.00     15.60      0.23
   SRCPARAM L0112463          0.0      1.00     15.60      0.23
   SRCPARAM L0112464          0.0      1.00     15.60      0.23
   SRCPARAM L0112465          0.0      1.00     15.60      0.23
   SRCPARAM L0112466          0.0      1.00     15.60      0.23
   SRCPARAM L0112467          0.0      1.00     15.60      0.23
   SRCPARAM L0112468          0.0      1.00     15.60      0.23
   SRCPARAM L0112469          0.0      1.00     15.60      0.23
   SRCPARAM L0112470          0.0      1.00     15.60      0.23
   SRCPARAM L0112471          0.0      1.00     15.60      0.23
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT29
   SRCPARAM L0113397     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113398     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113399     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113400     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113401     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113402     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113403     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113404     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113405     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113406     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113407     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113408     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113409     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113410     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113411     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113412     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113413     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113414     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113415     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113416     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113417     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113418     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113419     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113420     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113421     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113422     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113423     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113424     0.0001217241      1.50      9.20      0.35
   SRCPARAM L0113425     0.0001217241      1.50      9.20      0.35
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT30
   SRCPARAM L0113740     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113741     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113742     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113743     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113744     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113745     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113746     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113747     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113748     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113749     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113750     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113751     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113752     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113753     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113754     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113755     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113756     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113757     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113758     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113759     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113760     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113761     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113762     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113763     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113764     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113765     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113766     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113767     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113768     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113769     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113770     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113771     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113772     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113773     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113774     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113775     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113776     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113777     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113778     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113779     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113780     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113781     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113782     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113783     0.0001247706      1.50      9.32      0.35
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   SRCPARAM L0113784     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113785     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113786     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113787     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113788     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113789     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113790     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113791     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113792     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113793     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113794     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113795     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113796     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113797     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113798     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113799     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113800     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113801     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113802     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113803     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113804     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113805     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113806     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113807     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113808     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113809     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113810     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113811     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113812     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113813     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113814     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113815     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113816     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113817     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113818     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113819     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113820     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113821     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113822     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113823     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113824     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113825     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113826     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113827     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113828     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113829     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113830     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113831     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113832     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113833     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113834     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113835     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113836     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113837     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113838     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113839     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113840     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113841     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113842     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113843     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113844     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113845     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113846     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113847     0.0001247706      1.50      9.32      0.35
   SRCPARAM L0113848     0.0001247706      1.50      9.32      0.35
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT31
   SRCPARAM L0113849     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113850     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113851     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113852     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113853     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113854     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113855     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113856     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113857     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113858     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113859     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113860     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113861     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113862     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113863     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113864     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113865     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113866     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113867     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113868     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113869     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113870     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113871     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113872     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113873     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113874     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113875     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113876     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113877     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113878     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113879     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113880     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113881     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113882     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113883     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113884     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113885     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113886     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113887     0.0001602564      1.40      9.38      0.33
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   SRCPARAM L0113888     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113889     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113890     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113891     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113892     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113893     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113894     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113895     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113896     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113897     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113898     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113899     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113900     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113901     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113902     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113903     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113904     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113905     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113906     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113907     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113908     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113909     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113910     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113911     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113912     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113913     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113914     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113915     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113916     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113917     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113918     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113919     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113920     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113921     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113922     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113923     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113924     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113925     0.0001602564      1.40      9.38      0.33
   SRCPARAM L0113926     0.0001602564      1.40      9.38      0.33
** ----------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED LST_PM25_REV3_NR_REV1.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE RIVR2.SFC
   PROFFILE RIVR2.PFL
   SURFDATA 00002 2005
   UAIRDATA 3190 2005
   PROFBASE 250.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST LST_PM25_REV3_NR_REV1.AD\24H1GALL.PLT 31
   PLOTFILE ANNUAL ALL LST_PM25_REV3_NR_REV1.AD\ANOOGALL.PLT 32
   SUMMFILE LST_PM25_REV3_NR_REV1.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of          189 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 SO W320    1322  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1323  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1324  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1325  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1326  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1327  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1328  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1329  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1330  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1430  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
 SO W320    1431  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1432  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1433  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1434  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1435  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1436  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1437  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1438  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1439  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1440  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1441  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1442  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1443  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1444  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1445  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1446  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1447  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1467  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1470  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1471  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1472  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1473  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1474  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1561  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1562  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1563  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1564  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
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SO W320    1721  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1722  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1723  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
SO W320    1724  VPARM:Input Parameter May Be Out-of-Range for Parameter           QS
ME W530    1972 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

***********************************
*** SETUP Finishes Successfully ***
***********************************

♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                    *** PM2.5 (No Refrigeration)                                              ***        18:00:21
                                                                                                                         PAGE   1
**MODELOPTs:  NonDFAULT CONC                                                  ELEV
                        FASTALL

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - -
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**Other Options Specified:
        FASTALL  - Use effective sigma-y to optimize meander for
                   POINT and VOLUME sources, and hybrid approach
                   to optimize AREA sources (formerly TOXICS option)

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates  1 Short Term Average(s) of:  24-HR
    and Calculates ANNUAL Averages

**This Run Includes:    698 Source(s);       1 Source Group(s); and    1705 Receptor(s)

**The Model Assumes A Pollutant Type of:  PM_2.5

**Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   250.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      4.2 MB of RAM.

**Detailed Error/Message File:   LST_PM25_REV3_NR_REV1.err
**File for Summary of Results:   LST_PM25_REV3_NR_REV1.sum
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                    *** PM2.5 (No Refrigeration)                                              ***        18:00:21
                                                                                                                         PAGE   2
**MODELOPTS:  NonDFAULT CONC                                                    ELEV
                        FASTALL


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.   URBAN  EMISSION RATE
  SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ     SOURCE  SCALAR VARY
    ID         CATS.              (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)              BY
- - - -
```

L0111600	0	0.56129E-03	486051.9	3754371.8	509.0	1.60	18.01	0.37	YES
L0111601	0	0.56129E-03	486030.1	3754341.3	509.3	1.60	18.01	0.37	YES
L0111602	0	0.56129E-03	486012.8	3754306.6	509.9	1.60	18.01	0.37	YES
L0111603	0	0.90000E-04	486005.7	3754293.4	510.6	1.30	17.72	0.30	YES
L0111604	0	0.90000E-04	486005.3	3754255.3	509.5	1.30	17.72	0.30	YES
L0111605	0	0.90000E-04	486004.9	3754217.2	507.6	1.30	17.72	0.30	YES
L0111606	0	0.90000E-04	486004.6	3754179.1	507.9	1.30	17.72	0.30	YES
L0111607	0	0.90000E-04	486004.2	3754141.1	508.0	1.30	17.72	0.30	YES
L0111608	0	0.90000E-04	486003.8	3754103.0	506.8	1.30	17.72	0.30	YES
L0111609	0	0.90000E-04	486003.4	3754064.9	506.3	1.30	17.72	0.30	YES
L0111610	0	0.90000E-04	486003.1	3754026.8	505.2	1.30	17.72	0.30	YES
L0111611	0	0.90000E-04	486002.7	3753988.7	505.0	1.30	17.72	0.30	YES
L0111612	0	0.90000E-04	486002.3	3753950.6	504.1	1.30	17.72	0.30	YES
L0111613	0	0.90000E-04	486001.9	3753912.5	503.4	1.30	17.72	0.30	YES
L0111614	0	0.90000E-04	486001.5	3753874.4	502.2	1.30	17.72	0.30	YES
L0111615	0	0.90000E-04	486001.2	3753836.3	500.9	1.30	17.72	0.30	YES
L0111616	0	0.90000E-04	486000.8	3753798.2	499.6	1.30	17.72	0.30	YES
L0111617	0	0.90000E-04	486000.4	3753760.2	499.7	1.30	17.72	0.30	YES
L0111618	0	0.90000E-04	486000.0	3753722.1	501.9	1.30	17.72	0.30	YES
L0111619	0	0.90000E-04	485999.6	3753684.0	501.6	1.30	17.72	0.30	YES
L0111620	0	0.90000E-04	485999.3	3753645.9	499.0	1.30	17.72	0.30	YES
L0111621	0	0.90000E-04	485998.9	3753607.8	496.5	1.30	17.72	0.30	YES
L0111622	0	0.90000E-04	485998.5	3753569.7	496.0	1.30	17.72	0.30	YES
L0111623	0	0.90000E-04	485998.1	3753531.6	496.5	1.30	17.72	0.30	YES
L0111624	0	0.90000E-04	486006.9	3753496.0	495.3	1.30	17.72	0.30	YES
L0111625	0	0.90000E-04	486026.7	3753463.5	492.8	1.30	17.72	0.30	YES
L0111626	0	0.90000E-04	486046.5	3753431.0	491.4	1.30	17.72	0.30	YES
L0111627	0	0.90000E-04	486066.3	3753398.4	492.3	1.30	17.72	0.30	YES
L0113629	0	0.14286E-03	486083.6	3753385.4	494.2	1.30	24.05	0.30	YES
L0113630	0	0.14286E-03	486132.0	3753367.1	494.8	1.30	24.05	0.30	YES
L0113631	0	0.14286E-03	486182.6	3753360.8	495.1	1.30	24.05	0.30	YES
L0113632	0	0.14286E-03	486234.3	3753360.1	495.2	1.30	24.05	0.30	YES
L0113633	0	0.14286E-03	486286.0	3753359.4	495.2	1.30	24.05	0.30	YES
L0113634	0	0.14286E-03	486337.7	3753358.7	495.3	1.30	24.05	0.30	YES
L0113635	0	0.14286E-03	486389.4	3753358.0	495.4	1.30	24.05	0.30	YES
L0113636	0	0.14286E-03	486441.1	3753357.4	495.5	1.30	24.05	0.30	YES

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0113637	0	0.14286E-03	486492.9	3753356.7	495.6	1.30	24.05	0.30	YES	
L0113638	0	0.14286E-03	486544.6	3753356.0	495.7	1.30	24.05	0.30	YES	
L0113639	0	0.14286E-03	486596.3	3753355.3	495.8	1.30	24.05	0.30	YES	
L0113640	0	0.14286E-03	486648.0	3753354.6	495.8	1.30	24.05	0.30	YES	
L0113641	0	0.14286E-03	486699.7	3753353.9	495.9	1.30	24.05	0.30	YES	
L0113642	0	0.14286E-03	486751.2	3753351.7	495.9	1.30	24.05	0.30	YES	
L0113643	0	0.14286E-03	486801.8	3753341.0	495.1	1.30	24.05	0.30	YES	
L0113644	0	0.14286E-03	486852.4	3753330.4	494.2	1.30	24.05	0.30	YES	
L0113645	0	0.14286E-03	486903.0	3753319.8	493.4	1.30	24.05	0.30	YES	
L0113646	0	0.14286E-03	486953.6	3753309.2	492.6	1.30	24.05	0.30	YES	
L0113647	0	0.14286E-03	487004.2	3753298.6	491.8	1.30	24.05	0.30	YES	
L0113648	0	0.14286E-03	487054.8	3753288.0	491.0	1.30	24.05	0.30	YES	
L0113649	0	0.14286E-03	487105.5	3753277.3	490.2	1.30	24.05	0.30	YES	
L0113650	0	0.46474E-03	487123.3	3754433.6	511.7	1.50	29.19	0.35	YES	
L0113651	0	0.46474E-03	487122.3	3754370.9	510.5	1.50	29.19	0.35	YES	
L0113652	0	0.46474E-03	487121.3	3754308.1	509.3	1.50	29.19	0.35	YES	
L0113653	0	0.46474E-03	487120.3	3754245.4	508.1	1.50	29.19	0.35	YES	
L0113654	0	0.46474E-03	487119.3	3754182.7	506.9	1.50	29.19	0.35	YES	
L0113655	0	0.46474E-03	487118.3	3754119.9	505.8	1.50	29.19	0.35	YES	
L0113656	0	0.46474E-03	487117.3	3754057.2	504.6	1.50	29.19	0.35	YES	
L0113657	0	0.46474E-03	487116.3	3753994.4	503.4	1.50	29.19	0.35	YES	
L0113658	0	0.46474E-03	487115.3	3753931.7	502.2	1.50	29.19	0.35	YES	
L0113659	0	0.46474E-03	487114.3	3753868.9	501.0	1.50	29.19	0.35	YES	
L0113660	0	0.46474E-03	487113.4	3753806.2	499.8	1.50	29.19	0.35	YES	
L0113661	0	0.46474E-03	487112.4	3753743.4	498.6	1.50	29.19	0.35	YES	
L0113662	0	0.46474E-03	487111.4	3753680.7	497.4	1.50	29.19	0.35	YES	
L0113663	0	0.46474E-03	487110.4	3753618.0	496.2	1.50	29.19	0.35	YES	
L0113664	0	0.46474E-03	487109.4	3753555.2	495.1	1.50	29.19	0.35	YES	
L0113665	0	0.46474E-03	487108.4	3753492.5	493.9	1.50	29.19	0.35	YES	
L0113666	0	0.46474E-03	487107.4	3753429.7	492.7	1.50	29.19	0.35	YES	
L0113667	0	0.46474E-03	487106.4	3753367.0	491.5	1.50	29.19	0.35	YES	
L0113668	0	0.46474E-03	487105.4	3753304.2	490.3	1.50	29.19	0.35	YES	
L0112744	0	0.00000E+00	487102.6	3753284.4	489.2	1.00	29.21	0.23	YES	
L0112745	0	0.00000E+00	487102.9	3753221.6	489.6	1.00	29.21	0.23	YES	
L0112746	0	0.00000E+00	487103.2	3753158.8	486.8	1.00	29.21	0.23	YES	
L0112747	0	0.00000E+00	487103.5	3753096.1	485.8	1.00	29.21	0.23	YES	
L0112748	0	0.00000E+00	487103.8	3753033.3	485.0	1.00	29.21	0.23	YES	
L0112749	0	0.00000E+00	487104.2	3752970.5	487.0	1.00	29.21	0.23	YES	
L0112750	0	0.00000E+00	487104.5	3752907.7	484.9	1.00	29.21	0.23	YES	
L0112751	0	0.00000E+00	487104.8	3752844.9	483.2	1.00	29.21	0.23	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112752	0	0.00000E+00	487105.1	3752782.1	483.7	1.00	29.21	0.23	YES	
L0113257	0	0.16367E-03	486069.9	3753383.9	492.7	1.30	18.01	0.30	YES	

L0113258	0	0.16367E-03	486053.5	3753348.8	491.3	1.30	18.01	0.30	YES
L0113259	0	0.16367E-03	486037.1	3753313.7	490.5	1.30	18.01	0.30	YES
L0113260	0	0.16367E-03	486020.7	3753278.6	490.3	1.30	18.01	0.30	YES
L0113261	0	0.16367E-03	486004.3	3753243.5	490.0	1.30	18.01	0.30	YES
L0113262	0	0.16367E-03	485987.9	3753208.5	489.6	1.30	18.01	0.30	YES
L0113263	0	0.16367E-03	485979.1	3753171.6	489.0	1.30	18.01	0.30	YES
L0113264	0	0.16367E-03	485978.3	3753132.9	488.1	1.30	18.01	0.30	YES
L0113265	0	0.16367E-03	485977.4	3753094.2	488.2	1.30	18.01	0.30	YES
L0113266	0	0.16367E-03	485976.6	3753055.4	489.4	1.30	18.01	0.30	YES
L0113267	0	0.16367E-03	485975.7	3753016.7	490.1	1.30	18.01	0.30	YES
L0113268	0	0.16367E-03	485974.9	3752978.0	490.0	1.30	18.01	0.30	YES
L0113269	0	0.16367E-03	485974.0	3752939.3	489.0	1.30	18.01	0.30	YES
L0113270	0	0.16367E-03	485973.2	3752900.6	489.0	1.30	18.01	0.30	YES
L0113271	0	0.16367E-03	485972.3	3752861.8	489.0	1.30	18.01	0.30	YES
L0113272	0	0.16367E-03	485971.5	3752823.1	489.0	1.30	18.01	0.30	YES
L0113273	0	0.16367E-03	485970.6	3752784.4	488.8	1.30	18.01	0.30	YES
L0113274	0	0.16367E-03	485969.8	3752745.7	487.0	1.30	18.01	0.30	YES
L0113275	0	0.16367E-03	485968.9	3752707.0	485.2	1.30	18.01	0.30	YES
L0113276	0	0.16367E-03	485968.1	3752668.2	486.2	1.30	18.01	0.30	YES
L0113277	0	0.16367E-03	485967.2	3752629.5	488.8	1.30	18.01	0.30	YES
L0113278	0	0.16367E-03	485966.4	3752590.8	490.1	1.30	18.01	0.30	YES
L0113279	0	0.16367E-03	485965.5	3752552.1	495.2	1.30	18.01	0.30	YES
L0113280	0	0.16367E-03	485964.7	3752513.4	496.4	1.30	18.01	0.30	YES
L0113281	0	0.16367E-03	485963.8	3752474.7	496.1	1.30	18.01	0.30	YES
L0113282	0	0.16367E-03	485963.0	3752435.9	496.4	1.30	18.01	0.30	YES
L0113283	0	0.16367E-03	485962.1	3752397.2	498.8	1.30	18.01	0.30	YES
L0113284	0	0.16367E-03	485961.3	3752358.5	500.1	1.30	18.01	0.30	YES
L0113285	0	0.16367E-03	485960.4	3752319.8	500.7	1.30	18.01	0.30	YES
L0113286	0	0.16367E-03	485959.6	3752281.1	501.9	1.30	18.01	0.30	YES
L0113669	0	0.43889E-04	485510.8	3754267.3	514.8	1.00	15.74	0.23	YES
L0113670	0	0.43889E-04	485510.8	3754233.4	514.3	1.00	15.74	0.23	YES
L0113671	0	0.43889E-04	485510.8	3754199.6	513.7	1.00	15.74	0.23	YES
L0113672	0	0.43889E-04	485510.7	3754165.8	513.1	1.00	15.74	0.23	YES
L0113673	0	0.43889E-04	485510.7	3754131.9	512.5	1.00	15.74	0.23	YES
L0113674	0	0.43889E-04	485510.7	3754098.1	511.9	1.00	15.74	0.23	YES
L0113675	0	0.43889E-04	485510.6	3754064.2	511.3	1.00	15.74	0.23	YES
L0113676	0	0.43889E-04	485510.6	3754030.4	510.7	1.00	15.74	0.23	YES
L0113677	0	0.43889E-04	485510.5	3753996.6	510.1	1.00	15.74	0.23	YES

**MODELOPTs: NonDEFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0113678	0	0.43889E-04	485510.5	3753962.7	509.5	1.00	15.74	0.23	YES	
L0113679	0	0.43889E-04	485510.5	3753928.9	508.9	1.00	15.74	0.23	YES	
L0113680	0	0.43889E-04	485510.4	3753895.1	508.3	1.00	15.74	0.23	YES	
L0113681	0	0.43889E-04	485510.4	3753861.2	507.8	1.00	15.74	0.23	YES	
L0113682	0	0.43889E-04	485510.4	3753827.4	507.2	1.00	15.74	0.23	YES	
L0113683	0	0.43889E-04	485510.3	3753793.6	506.6	1.00	15.74	0.23	YES	
L0113684	0	0.43889E-04	485510.3	3753759.7	506.0	1.00	15.74	0.23	YES	
L0113685	0	0.43889E-04	485510.3	3753725.9	505.4	1.00	15.74	0.23	YES	
L0113686	0	0.43889E-04	485510.2	3753692.0	504.8	1.00	15.74	0.23	YES	
L0113687	0	0.43889E-04	485510.2	3753658.2	504.2	1.00	15.74	0.23	YES	
L0113688	0	0.43889E-04	485510.1	3753624.4	503.6	1.00	15.74	0.23	YES	
L0113689	0	0.43889E-04	485510.1	3753590.5	503.0	1.00	15.74	0.23	YES	
L0113690	0	0.43889E-04	485510.1	3753556.7	502.4	1.00	15.74	0.23	YES	
L0113691	0	0.43889E-04	485510.0	3753522.9	501.8	1.00	15.74	0.23	YES	
L0113692	0	0.43889E-04	485510.0	3753489.0	501.2	1.00	15.74	0.23	YES	
L0113693	0	0.43889E-04	485510.0	3753455.2	500.7	1.00	15.74	0.23	YES	
L0113694	0	0.43889E-04	485509.9	3753421.4	500.1	1.00	15.74	0.23	YES	
L0113695	0	0.43889E-04	485509.9	3753387.5	499.5	1.00	15.74	0.23	YES	
L0113696	0	0.43889E-04	485509.8	3753353.7	498.9	1.00	15.74	0.23	YES	
L0113697	0	0.43889E-04	485509.8	3753319.8	498.3	1.00	15.74	0.23	YES	
L0113698	0	0.43889E-04	485509.8	3753286.0	497.7	1.00	15.74	0.23	YES	
L0113699	0	0.43889E-04	485509.7	3753252.2	497.1	1.00	15.74	0.23	YES	
L0113700	0	0.43889E-04	485509.7	3753218.3	496.5	1.00	15.74	0.23	YES	
L0113701	0	0.43889E-04	485509.7	3753184.5	495.9	1.00	15.74	0.23	YES	
L0113702	0	0.43889E-04	485509.6	3753150.7	495.3	1.00	15.74	0.23	YES	
L0113703	0	0.43889E-04	485509.6	3753116.8	494.7	1.00	15.74	0.23	YES	
L0113704	0	0.43889E-04	485509.6	3753083.0	494.2	1.00	15.74	0.23	YES	
L0113323	0	0.10720E-03	485533.3	3755083.2	531.2	1.50	15.63	0.35	YES	
L0113324	0	0.10720E-03	485532.5	3755049.6	528.8	1.50	15.63	0.35	YES	
L0113325	0	0.10720E-03	485531.8	3755016.0	528.2	1.50	15.63	0.35	YES	
L0113326	0	0.10720E-03	485531.1	3754982.4	528.0	1.50	15.63	0.35	YES	
L0113327	0	0.10720E-03	485530.4	3754948.8	526.6	1.50	15.63	0.35	YES	
L0113328	0	0.10720E-03	485529.7	3754915.2	525.4	1.50	15.63	0.35	YES	
L0113329	0	0.10720E-03	485528.9	3754881.6	522.9	1.50	15.63	0.35	YES	
L0113330	0	0.10720E-03	485528.2	3754848.0	520.4	1.50	15.63	0.35	YES	
L0113331	0	0.10720E-03	485527.5	3754814.4	523.2	1.50	15.63	0.35	YES	
L0113332	0	0.10720E-03	485526.8	3754780.8	526.0	1.50	15.63	0.35	YES	
L0113333	0	0.10720E-03	485526.0	3754747.2	526.7	1.50	15.63	0.35	YES	
L0113334	0	0.10720E-03	485525.3	3754713.6	524.2	1.50	15.63	0.35	YES	
L0113335	0	0.10720E-03	485524.6	3754680.1	521.8	1.50	15.63	0.35	YES	

**MODELOPTs: NonDEFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY

L0113336	0	0.10720E-03	485523.9	3754646.5	521.8	1.50	15.63	0.35	YES
L0113337	0	0.10720E-03	485523.2	3754612.9	522.1	1.50	15.63	0.35	YES
L0113338	0	0.10720E-03	485522.4	3754579.3	522.2	1.50	15.63	0.35	YES
L0113339	0	0.10720E-03	485521.7	3754545.7	519.1	1.50	15.63	0.35	YES
L0113340	0	0.10720E-03	485521.0	3754512.1	515.2	1.50	15.63	0.35	YES
L0113341	0	0.10720E-03	485520.3	3754478.5	514.7	1.50	15.63	0.35	YES
L0113342	0	0.10720E-03	485519.5	3754444.9	516.7	1.50	15.63	0.35	YES
L0113343	0	0.10720E-03	485518.8	3754411.3	517.0	1.50	15.63	0.35	YES
L0113344	0	0.10720E-03	485518.1	3754377.7	516.0	1.50	15.63	0.35	YES
L0113345	0	0.10720E-03	485517.4	3754344.1	515.1	1.50	15.63	0.35	YES
L0113346	0	0.10720E-03	485516.7	3754310.5	515.0	1.50	15.63	0.35	YES
L0113347	0	0.10720E-03	485515.9	3754276.9	514.6	1.50	15.63	0.35	YES
L0112276	0	0.00000E+00	485516.8	3755054.2	529.9	1.00	23.83	0.23	YES
L0112277	0	0.00000E+00	485568.1	3755054.0	528.6	1.00	23.83	0.23	YES
L0112278	0	0.00000E+00	485619.3	3755053.8	530.8	1.00	23.83	0.23	YES
L0112279	0	0.00000E+00	485670.5	3755053.6	532.5	1.00	23.83	0.23	YES
L0112280	0	0.00000E+00	485721.7	3755053.4	534.2	1.00	23.83	0.23	YES
L0112281	0	0.00000E+00	485773.0	3755053.2	531.1	1.00	23.83	0.23	YES
L0112282	0	0.00000E+00	485824.2	3755053.0	529.5	1.00	23.83	0.23	YES
L0112283	0	0.00000E+00	485875.4	3755052.8	529.8	1.00	23.83	0.23	YES
L0112284	0	0.00000E+00	485926.7	3755052.6	530.9	1.00	23.83	0.23	YES
L0112285	0	0.00000E+00	485977.9	3755052.4	529.7	1.00	23.83	0.23	YES
L0112286	0	0.00000E+00	486029.1	3755052.2	529.4	1.00	23.83	0.23	YES
L0112287	0	0.00000E+00	486080.4	3755052.0	529.5	1.00	23.83	0.23	YES
L0112288	0	0.00000E+00	486131.6	3755051.8	529.5	1.00	23.83	0.23	YES
L0112289	0	0.00000E+00	486182.8	3755051.6	530.3	1.00	23.83	0.23	YES
L0112290	0	0.00000E+00	486234.0	3755051.3	527.4	1.00	23.83	0.23	YES
L0112291	0	0.00000E+00	486285.3	3755051.1	527.0	1.00	23.83	0.23	YES
L0112292	0	0.00000E+00	486336.5	3755050.9	526.5	1.00	23.83	0.23	YES
L0112293	0	0.00000E+00	486387.7	3755050.7	527.3	1.00	23.83	0.23	YES
L0113705	0	0.21067E-03	486398.6	3755051.8	530.0	1.70	23.51	0.40	YES
L0113706	0	0.21067E-03	486449.1	3755051.3	530.3	1.70	23.51	0.40	YES
L0113707	0	0.21067E-03	486499.7	3755050.8	530.5	1.70	23.51	0.40	YES
L0113708	0	0.21067E-03	486550.2	3755050.4	530.7	1.70	23.51	0.40	YES
L0113709	0	0.21067E-03	486600.7	3755049.9	530.9	1.70	23.51	0.40	YES
L0113710	0	0.21067E-03	486651.3	3755049.4	531.1	1.70	23.51	0.40	YES
L0113711	0	0.21067E-03	486701.8	3755049.0	531.3	1.70	23.51	0.40	YES
L0113712	0	0.21067E-03	486752.4	3755048.5	531.5	1.70	23.51	0.40	YES
L0113713	0	0.21067E-03	486802.9	3755048.1	531.7	1.70	23.51	0.40	YES
L0113714	0	0.21067E-03	486853.5	3755047.6	531.9	1.70	23.51	0.40	YES

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0113715	0	0.21067E-03	486904.0	3755047.1	532.1	1.70	23.51	0.40	YES	
L0113716	0	0.21067E-03	486954.6	3755046.7	532.3	1.70	23.51	0.40	YES	
L0113717	0	0.21067E-03	487005.1	3755046.2	532.5	1.70	23.51	0.40	YES	
L0113718	0	0.21067E-03	487055.7	3755045.8	532.7	1.70	23.51	0.40	YES	
L0113719	0	0.21067E-03	487106.2	3755045.3	532.9	1.70	23.51	0.40	YES	
L0112859	0	0.00000E+00	487151.1	3755042.2	530.6	1.00	23.38	0.23	YES	
L0112860	0	0.00000E+00	487201.3	3755039.4	528.0	1.00	23.38	0.23	YES	
L0112861	0	0.00000E+00	487251.5	3755036.7	528.5	1.00	23.38	0.23	YES	
L0112862	0	0.00000E+00	487301.7	3755033.9	528.6	1.00	23.38	0.23	YES	
L0112863	0	0.00000E+00	487351.3	3755025.8	526.0	1.00	23.38	0.23	YES	
L0112864	0	0.00000E+00	487400.9	3755017.8	524.6	1.00	23.38	0.23	YES	
L0112865	0	0.00000E+00	487450.5	3755009.8	524.4	1.00	23.38	0.23	YES	
L0112866	0	0.00000E+00	487500.1	3755001.7	526.0	1.00	23.38	0.23	YES	
L0112867	0	0.00000E+00	487549.9	3754996.4	528.3	1.00	23.38	0.23	YES	
L0112868	0	0.00000E+00	487600.2	3754997.7	529.2	1.00	23.38	0.23	YES	
L0112869	0	0.00000E+00	487650.4	3754999.0	526.2	1.00	23.38	0.23	YES	
L0112870	0	0.00000E+00	487700.6	3755000.3	523.0	1.00	23.38	0.23	YES	
L0112871	0	0.00000E+00	487749.5	3754990.1	522.3	1.00	23.38	0.23	YES	
L0112872	0	0.00000E+00	487798.0	3754976.9	523.3	1.00	23.38	0.23	YES	
L0112873	0	0.00000E+00	487846.5	3754963.7	524.1	1.00	23.38	0.23	YES	
L0112874	0	0.00000E+00	487895.0	3754950.4	525.8	1.00	23.38	0.23	YES	
L0112309	0	0.00000E+00	487919.9	3754938.9	524.6	1.00	24.10	0.23	YES	
L0112310	0	0.00000E+00	487964.8	3754913.0	521.9	1.00	24.10	0.23	YES	
L0112311	0	0.00000E+00	488009.7	3754887.1	519.8	1.00	24.10	0.23	YES	
L0112312	0	0.00000E+00	488053.4	3754859.6	519.4	1.00	24.10	0.23	YES	
L0112313	0	0.00000E+00	488094.9	3754828.5	519.2	1.00	24.10	0.23	YES	
L0112314	0	0.00000E+00	488136.3	3754797.4	520.5	1.00	24.10	0.23	YES	
L0112315	0	0.00000E+00	488178.6	3754767.9	521.2	1.00	24.10	0.23	YES	
L0112316	0	0.00000E+00	488228.5	3754753.9	522.9	1.00	24.10	0.23	YES	
L0112317	0	0.00000E+00	488278.4	3754739.9	523.0	1.00	24.10	0.23	YES	
L0112318	0	0.00000E+00	488329.2	3754731.6	521.5	1.00	24.10	0.23	YES	
L0112319	0	0.00000E+00	488380.9	3754728.1	523.9	1.00	24.10	0.23	YES	
L0112320	0	0.00000E+00	488432.6	3754724.6	528.0	1.00	24.10	0.23	YES	
L0112321	0	0.00000E+00	488484.3	3754721.0	524.8	1.00	24.10	0.23	YES	
L0112875	0	0.00000E+00	487131.3	3754448.5	506.6	1.00	17.64	0.23	YES	
L0112876	0	0.00000E+00	487169.2	3754446.5	506.0	1.00	17.64	0.23	YES	
L0112877	0	0.00000E+00	487207.0	3754444.4	508.1	1.00	17.64	0.23	YES	
L0112878	0	0.00000E+00	487244.9	3754442.4	509.1	1.00	17.64	0.23	YES	
L0112879	0	0.00000E+00	487282.8	3754440.4	509.8	1.00	17.64	0.23	YES	
L0112880	0	0.00000E+00	487320.7	3754438.4	509.1	1.00	17.64	0.23	YES	

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY

L0112881	0	0.00000E+00	487358.6	3754436.4	509.4	1.00	17.64	0.23	YES
L0112882	0	0.00000E+00	487396.4	3754434.4	510.4	1.00	17.64	0.23	YES
L0112883	0	0.00000E+00	487434.3	3754432.4	509.9	1.00	17.64	0.23	YES
L0112884	0	0.00000E+00	487472.2	3754430.4	509.4	1.00	17.64	0.23	YES
L0112885	0	0.00000E+00	487510.1	3754428.3	509.9	1.00	17.64	0.23	YES
L0112886	0	0.00000E+00	487547.9	3754426.3	510.2	1.00	17.64	0.23	YES
L0112887	0	0.00000E+00	487585.8	3754424.5	509.6	1.00	17.64	0.23	YES
L0112888	0	0.00000E+00	487623.7	3754425.8	510.1	1.00	17.64	0.23	YES
L0112889	0	0.00000E+00	487661.6	3754427.1	510.7	1.00	17.64	0.23	YES
L0112890	0	0.00000E+00	487699.6	3754428.4	510.4	1.00	17.64	0.23	YES
L0112891	0	0.00000E+00	487736.7	3754435.0	510.8	1.00	17.64	0.23	YES
L0112892	0	0.00000E+00	487773.2	3754445.1	510.4	1.00	17.64	0.23	YES
L0112893	0	0.00000E+00	487810.3	3754451.0	509.9	1.00	17.64	0.23	YES
L0112894	0	0.00000E+00	487848.2	3754450.3	509.8	1.00	17.64	0.23	YES
L0112895	0	0.00000E+00	487886.1	3754449.6	508.5	1.00	17.64	0.23	YES
L0112896	0	0.00000E+00	487924.1	3754449.0	507.7	1.00	17.64	0.23	YES
L0112897	0	0.00000E+00	487962.0	3754448.3	508.4	1.00	17.64	0.23	YES
L0112898	0	0.00000E+00	487999.9	3754447.6	509.0	1.00	17.64	0.23	YES
L0112899	0	0.00000E+00	488037.8	3754447.0	508.1	1.00	17.64	0.23	YES
L0112900	0	0.00000E+00	488075.8	3754446.3	507.2	1.00	17.64	0.23	YES
L0112901	0	0.00000E+00	488113.7	3754445.6	508.2	1.00	17.64	0.23	YES
L0112902	0	0.00000E+00	488151.6	3754445.0	508.3	1.00	17.64	0.23	YES
L0112903	0	0.00000E+00	488189.5	3754444.3	509.3	1.00	17.64	0.23	YES
L0112904	0	0.00000E+00	488227.5	3754443.6	510.4	1.00	17.64	0.23	YES
L0112905	0	0.00000E+00	488265.4	3754443.0	510.7	1.00	17.64	0.23	YES
L0112906	0	0.00000E+00	488303.3	3754442.3	510.9	1.00	17.64	0.23	YES
L0112907	0	0.00000E+00	488333.9	3754420.0	509.3	1.00	17.64	0.23	YES
L0112908	0	0.00000E+00	488364.4	3754397.4	506.5	1.00	17.64	0.23	YES
L0112909	0	0.00000E+00	488394.8	3754374.8	504.5	1.00	17.64	0.23	YES
L0112910	0	0.00000E+00	488425.3	3754352.2	505.0	1.00	17.64	0.23	YES
L0112911	0	0.00000E+00	488434.4	3754340.7	505.3	1.00	18.04	0.23	YES
L0112912	0	0.00000E+00	488457.1	3754309.3	506.0	1.00	18.04	0.23	YES
L0112913	0	0.00000E+00	488457.7	3754270.7	506.0	1.00	18.04	0.23	YES
L0112914	0	0.00000E+00	488457.7	3754231.9	505.1	1.00	18.04	0.23	YES
L0112915	0	0.00000E+00	488457.7	3754193.1	501.0	1.00	18.04	0.23	YES
L0112916	0	0.00000E+00	488457.7	3754154.3	501.5	1.00	18.04	0.23	YES
L0112917	0	0.00000E+00	488457.7	3754115.5	503.6	1.00	18.04	0.23	YES
L0112918	0	0.00000E+00	488457.7	3754076.8	502.9	1.00	18.04	0.23	YES
L0112919	0	0.00000E+00	488457.7	3754038.0	502.0	1.00	18.04	0.23	YES
L0112920	0	0.00000E+00	488457.7	3753999.2	502.0	1.00	18.04	0.23	YES

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112921	0	0.00000E+00	488457.7	3753960.4	502.0	1.00	18.04	0.23	YES	
L0112922	0	0.00000E+00	488457.7	3753921.6	500.4	1.00	18.04	0.23	YES	
L0112923	0	0.00000E+00	488457.7	3753882.8	498.4	1.00	18.04	0.23	YES	
L0112924	0	0.00000E+00	488457.7	3753844.0	497.1	1.00	18.04	0.23	YES	
L0112925	0	0.00000E+00	488457.7	3753805.3	496.8	1.00	18.04	0.23	YES	
L0112926	0	0.00000E+00	488457.7	3753766.5	496.0	1.00	18.04	0.23	YES	
L0112927	0	0.00000E+00	488457.7	3753727.7	495.3	1.00	18.04	0.23	YES	
L0112928	0	0.00000E+00	488457.7	3753688.9	493.9	1.00	18.04	0.23	YES	
L0112929	0	0.00000E+00	488457.7	3753650.1	491.0	1.00	18.04	0.23	YES	
L0112930	0	0.00000E+00	488457.7	3753611.3	488.4	1.00	18.04	0.23	YES	
L0112931	0	0.00000E+00	488457.7	3753572.6	488.0	1.00	18.04	0.23	YES	
L0112932	0	0.00000E+00	488457.7	3753533.8	488.0	1.00	18.04	0.23	YES	
L0112933	0	0.00000E+00	488457.7	3753495.0	488.0	1.00	18.04	0.23	YES	
L0112934	0	0.00000E+00	488457.7	3753456.2	487.2	1.00	18.04	0.23	YES	
L0112935	0	0.00000E+00	488457.7	3753417.4	485.9	1.00	18.04	0.23	YES	
L0112936	0	0.00000E+00	488457.7	3753378.6	485.4	1.00	18.04	0.23	YES	
L0112937	0	0.00000E+00	488457.7	3753339.9	484.0	1.00	18.04	0.23	YES	
L0112938	0	0.00000E+00	488457.7	3753301.1	482.0	1.00	18.04	0.23	YES	
L0113720	0	0.18643E-03	487111.6	3753293.9	490.9	1.40	22.81	0.33	YES	
L0113721	0	0.18643E-03	487160.6	3753293.6	490.4	1.40	22.81	0.33	YES	
L0113722	0	0.18643E-03	487209.6	3753293.2	490.0	1.40	22.81	0.33	YES	
L0113723	0	0.18643E-03	487258.7	3753292.8	489.6	1.40	22.81	0.33	YES	
L0113724	0	0.18643E-03	487307.7	3753292.4	489.1	1.40	22.81	0.33	YES	
L0113725	0	0.18643E-03	487356.7	3753292.1	488.7	1.40	22.81	0.33	YES	
L0113726	0	0.18643E-03	487405.8	3753291.7	488.2	1.40	22.81	0.33	YES	
L0113727	0	0.18643E-03	487454.8	3753291.3	487.8	1.40	22.81	0.33	YES	
L0113728	0	0.18643E-03	487503.8	3753291.0	487.3	1.40	22.81	0.33	YES	
L0113729	0	0.18643E-03	487552.9	3753290.6	486.9	1.40	22.81	0.33	YES	
L0113730	0	0.18643E-03	487601.9	3753290.2	486.4	1.40	22.81	0.33	YES	
L0113731	0	0.18643E-03	487650.9	3753289.8	486.0	1.40	22.81	0.33	YES	
L0113732	0	0.18643E-03	487700.0	3753289.5	485.6	1.40	22.81	0.33	YES	
L0113733	0	0.18643E-03	487749.0	3753289.1	485.1	1.40	22.81	0.33	YES	
L0113377	0	0.12429E-03	487765.1	3753289.0	484.0	1.40	24.24	0.33	YES	
L0113378	0	0.12429E-03	487817.3	3753289.0	485.3	1.40	24.24	0.33	YES	
L0113379	0	0.12429E-03	487869.4	3753289.0	483.2	1.40	24.24	0.33	YES	
L0113380	0	0.12429E-03	487921.5	3753289.0	483.0	1.40	24.24	0.33	YES	
L0113381	0	0.12429E-03	487973.6	3753289.0	484.8	1.40	24.24	0.33	YES	
L0113382	0	0.12429E-03	488025.8	3753289.0	485.6	1.40	24.24	0.33	YES	
L0113383	0	0.12429E-03	488077.9	3753289.0	485.4	1.40	24.24	0.33	YES	
L0113384	0	0.12429E-03	488130.0	3753289.0	485.6	1.40	24.24	0.33	YES	

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT. INIT. URBAN EMISSION RATE

SOURCE ID	PART. CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	SOURCE	SCALAR VARY BY
L0113385	0	0.12429E-03	488182.1	3753289.0	485.6	1.40	24.24	0.33	YES	
L0113386	0	0.12429E-03	488234.2	3753289.0	486.3	1.40	24.24	0.33	YES	
L0113387	0	0.12429E-03	488286.4	3753289.0	484.9	1.40	24.24	0.33	YES	
L0113388	0	0.12429E-03	488338.5	3753289.0	484.4	1.40	24.24	0.33	YES	
L0113389	0	0.12429E-03	488390.6	3753289.0	484.6	1.40	24.24	0.33	YES	
L0113390	0	0.12429E-03	488442.7	3753289.0	483.3	1.40	24.24	0.33	YES	
L0112967	0	0.12167E-04	488445.9	3753289.3	481.6	1.10	18.10	0.26	YES	
L0112968	0	0.12167E-04	488446.3	3753250.4	481.0	1.10	18.10	0.26	YES	
L0112969	0	0.12167E-04	488446.8	3753211.5	480.1	1.10	18.10	0.26	YES	
L0112970	0	0.12167E-04	488447.2	3753172.6	479.0	1.10	18.10	0.26	YES	
L0112971	0	0.12167E-04	488447.7	3753133.7	478.5	1.10	18.10	0.26	YES	
L0112972	0	0.12167E-04	488448.1	3753094.8	478.0	1.10	18.10	0.26	YES	
L0112973	0	0.12167E-04	488448.5	3753055.9	477.0	1.10	18.10	0.26	YES	
L0112974	0	0.12167E-04	488449.0	3753017.0	477.0	1.10	18.10	0.26	YES	
L0112975	0	0.12167E-04	488449.4	3752978.1	477.7	1.10	18.10	0.26	YES	
L0112976	0	0.12167E-04	488449.8	3752939.2	479.0	1.10	18.10	0.26	YES	
L0112977	0	0.12167E-04	488450.3	3752900.3	478.0	1.10	18.10	0.26	YES	
L0112978	0	0.12167E-04	488450.7	3752861.4	478.0	1.10	18.10	0.26	YES	
L0111878	0	0.58276E-04	488463.9	3753299.0	481.8	1.30	23.53	0.30	YES	
L0111879	0	0.58276E-04	488514.5	3753298.8	480.9	1.30	23.53	0.30	YES	
L0111880	0	0.58276E-04	488565.1	3753298.7	482.3	1.30	23.53	0.30	YES	
L0111881	0	0.58276E-04	488615.7	3753298.5	484.1	1.30	23.53	0.30	YES	
L0111882	0	0.58276E-04	488666.3	3753298.3	483.2	1.30	23.53	0.30	YES	
L0111883	0	0.58276E-04	488716.9	3753298.1	482.0	1.30	23.53	0.30	YES	
L0111884	0	0.58276E-04	488767.5	3753298.0	482.1	1.30	23.53	0.30	YES	
L0111885	0	0.58276E-04	488818.1	3753297.8	481.1	1.30	23.53	0.30	YES	
L0111886	0	0.58276E-04	488868.7	3753297.6	482.1	1.30	23.53	0.30	YES	
L0111887	0	0.58276E-04	488919.3	3753297.4	483.4	1.30	23.53	0.30	YES	
L0111888	0	0.58276E-04	488969.9	3753297.3	485.9	1.30	23.53	0.30	YES	
L0111889	0	0.58276E-04	489020.5	3753297.1	484.2	1.30	23.53	0.30	YES	
L0111890	0	0.58276E-04	489071.1	3753296.9	484.8	1.30	23.53	0.30	YES	
L0111891	0	0.58276E-04	489121.6	3753296.7	484.9	1.30	23.53	0.30	YES	
L0111892	0	0.58276E-04	489172.2	3753296.5	486.5	1.30	23.53	0.30	YES	
L0111893	0	0.58276E-04	489222.8	3753296.4	491.6	1.30	23.53	0.30	YES	
L0111894	0	0.58276E-04	489273.4	3753296.2	494.4	1.30	23.53	0.30	YES	
L0111895	0	0.58276E-04	489324.0	3753296.0	490.5	1.30	23.53	0.30	YES	
L0111896	0	0.58276E-04	489374.6	3753295.8	489.1	1.30	23.53	0.30	YES	
L0111897	0	0.58276E-04	489425.2	3753295.7	490.3	1.30	23.53	0.30	YES	
L0111898	0	0.58276E-04	489475.8	3753295.5	490.2	1.30	23.53	0.30	YES	
L0111899	0	0.58276E-04	489526.4	3753295.3	490.5	1.30	23.53	0.30	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111900	0	0.58276E-04	489577.0	3753295.1	493.0	1.30	23.53	0.30	YES	
L0111901	0	0.58276E-04	489627.6	3753295.0	493.4	1.30	23.53	0.30	YES	
L0111902	0	0.58276E-04	489678.2	3753294.8	495.6	1.30	23.53	0.30	YES	
L0111903	0	0.58276E-04	489728.8	3753294.6	496.8	1.30	23.53	0.30	YES	
L0111904	0	0.58276E-04	489779.4	3753294.4	493.4	1.30	23.53	0.30	YES	
L0111905	0	0.58276E-04	489830.0	3753294.3	489.2	1.30	23.53	0.30	YES	
L0111906	0	0.58276E-04	489880.6	3753294.1	491.6	1.30	23.53	0.30	YES	
L0113734	0	0.86833E-04	489900.7	3753294.2	493.2	1.30	22.24	0.30	YES	
L0113735	0	0.86833E-04	489944.6	3753313.0	493.8	1.30	22.24	0.30	YES	
L0113736	0	0.86833E-04	489983.0	3753340.6	495.7	1.30	22.24	0.30	YES	
L0113737	0	0.86833E-04	490018.7	3753372.4	498.2	1.30	22.24	0.30	YES	
L0113738	0	0.86833E-04	490054.3	3753404.3	500.8	1.30	22.24	0.30	YES	
L0113739	0	0.86833E-04	490090.0	3753436.1	503.3	1.30	22.24	0.30	YES	
L0112404	0	0.00000E+00	489898.8	3753280.5	492.3	1.00	15.51	0.23	YES	
L0112405	0	0.00000E+00	489899.2	3753247.1	490.4	1.00	15.51	0.23	YES	
L0112406	0	0.00000E+00	489899.6	3753213.8	488.2	1.00	15.51	0.23	YES	
L0112407	0	0.00000E+00	489900.0	3753180.4	487.0	1.00	15.51	0.23	YES	
L0112408	0	0.00000E+00	489900.4	3753147.1	488.3	1.00	15.51	0.23	YES	
L0112409	0	0.00000E+00	489900.8	3753113.7	491.0	1.00	15.51	0.23	YES	
L0112410	0	0.00000E+00	489901.2	3753080.4	490.6	1.00	15.51	0.23	YES	
L0112411	0	0.00000E+00	489901.6	3753047.0	489.0	1.00	15.51	0.23	YES	
L0112412	0	0.00000E+00	489902.0	3753013.7	487.3	1.00	15.51	0.23	YES	
L0112413	0	0.00000E+00	489902.4	3752980.3	486.2	1.00	15.51	0.23	YES	
L0112414	0	0.00000E+00	489902.8	3752947.0	484.6	1.00	15.51	0.23	YES	
L0112415	0	0.00000E+00	489903.2	3752913.6	482.5	1.00	15.51	0.23	YES	
L0112416	0	0.00000E+00	489903.6	3752880.3	480.4	1.00	15.51	0.23	YES	
L0112417	0	0.00000E+00	489917.3	3752867.0	481.7	1.00	15.35	0.23	YES	
L0112418	0	0.00000E+00	489950.3	3752867.9	483.0	1.00	15.35	0.23	YES	
L0112419	0	0.00000E+00	489983.2	3752868.9	484.0	1.00	15.35	0.23	YES	
L0112420	0	0.00000E+00	490016.2	3752869.8	484.9	1.00	15.35	0.23	YES	
L0112421	0	0.00000E+00	490049.2	3752870.8	486.1	1.00	15.35	0.23	YES	
L0112422	0	0.00000E+00	490082.2	3752871.7	485.7	1.00	15.35	0.23	YES	
L0112423	0	0.00000E+00	490115.2	3752872.7	485.9	1.00	15.35	0.23	YES	
L0112424	0	0.00000E+00	490148.1	3752873.7	486.6	1.00	15.35	0.23	YES	
L0112425	0	0.00000E+00	490181.1	3752874.6	486.0	1.00	15.35	0.23	YES	
L0112426	0	0.00000E+00	490214.1	3752875.6	484.1	1.00	15.35	0.23	YES	
L0112427	0	0.00000E+00	490247.1	3752876.5	482.6	1.00	15.35	0.23	YES	
L0112428	0	0.00000E+00	488454.3	3752857.1	478.0	1.00	15.60	0.23	YES	
L0112429	0	0.00000E+00	488487.8	3752858.9	478.7	1.00	15.60	0.23	YES	
L0112430	0	0.00000E+00	488521.3	3752860.6	477.6	1.00	15.60	0.23	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112431	0	0.00000E+00	488554.8	3752862.3	475.5	1.00	15.60	0.23	YES	
L0112432	0	0.00000E+00	488588.3	3752864.1	475.3	1.00	15.60	0.23	YES	
L0112433	0	0.00000E+00	488621.7	3752865.8	476.6	1.00	15.60	0.23	YES	
L0112434	0	0.00000E+00	488655.2	3752867.6	478.0	1.00	15.60	0.23	YES	
L0112435	0	0.00000E+00	488688.7	3752869.3	478.5	1.00	15.60	0.23	YES	
L0112436	0	0.00000E+00	488722.2	3752871.1	477.6	1.00	15.60	0.23	YES	
L0112437	0	0.00000E+00	488755.7	3752872.8	477.4	1.00	15.60	0.23	YES	
L0112438	0	0.00000E+00	488789.2	3752874.6	478.3	1.00	15.60	0.23	YES	
L0112439	0	0.00000E+00	488822.6	3752876.3	478.2	1.00	15.60	0.23	YES	
L0112440	0	0.00000E+00	488856.1	3752878.1	478.1	1.00	15.60	0.23	YES	
L0112441	0	0.00000E+00	488889.6	3752879.8	478.0	1.00	15.60	0.23	YES	
L0112442	0	0.00000E+00	488923.1	3752881.6	477.7	1.00	15.60	0.23	YES	
L0112443	0	0.00000E+00	488956.6	3752883.3	478.2	1.00	15.60	0.23	YES	
L0112444	0	0.00000E+00	488990.1	3752885.1	479.7	1.00	15.60	0.23	YES	
L0112445	0	0.00000E+00	489023.5	3752886.8	481.4	1.00	15.60	0.23	YES	
L0112446	0	0.00000E+00	489057.1	3752886.3	482.7	1.00	15.60	0.23	YES	
L0112447	0	0.00000E+00	489090.6	3752885.7	481.8	1.00	15.60	0.23	YES	
L0112448	0	0.00000E+00	489124.1	3752885.1	480.7	1.00	15.60	0.23	YES	
L0112449	0	0.00000E+00	489157.6	3752884.5	479.8	1.00	15.60	0.23	YES	
L0112450	0	0.00000E+00	489191.2	3752884.0	478.8	1.00	15.60	0.23	YES	
L0112451	0	0.00000E+00	489224.7	3752883.4	478.7	1.00	15.60	0.23	YES	
L0112452	0	0.00000E+00	489258.2	3752882.8	479.7	1.00	15.60	0.23	YES	
L0112453	0	0.00000E+00	489291.7	3752882.2	480.1	1.00	15.60	0.23	YES	
L0112454	0	0.00000E+00	489325.3	3752881.7	480.1	1.00	15.60	0.23	YES	
L0112455	0	0.00000E+00	489358.8	3752881.1	480.1	1.00	15.60	0.23	YES	
L0112456	0	0.00000E+00	489392.3	3752880.5	480.0	1.00	15.60	0.23	YES	
L0112457	0	0.00000E+00	489425.8	3752879.9	480.2	1.00	15.60	0.23	YES	
L0112458	0	0.00000E+00	489459.4	3752879.4	481.3	1.00	15.60	0.23	YES	
L0112459	0	0.00000E+00	489492.9	3752878.8	481.9	1.00	15.60	0.23	YES	
L0112460	0	0.00000E+00	489526.4	3752878.2	481.9	1.00	15.60	0.23	YES	
L0112461	0	0.00000E+00	489559.9	3752877.6	482.5	1.00	15.60	0.23	YES	
L0112462	0	0.00000E+00	489593.5	3752877.1	483.5	1.00	15.60	0.23	YES	
L0112463	0	0.00000E+00	489627.0	3752876.5	484.7	1.00	15.60	0.23	YES	
L0112464	0	0.00000E+00	489660.5	3752875.9	484.9	1.00	15.60	0.23	YES	
L0112465	0	0.00000E+00	489694.0	3752875.3	483.8	1.00	15.60	0.23	YES	
L0112466	0	0.00000E+00	489727.6	3752874.8	484.1	1.00	15.60	0.23	YES	
L0112467	0	0.00000E+00	489761.1	3752874.2	485.3	1.00	15.60	0.23	YES	
L0112468	0	0.00000E+00	489794.6	3752873.6	484.9	1.00	15.60	0.23	YES	
L0112469	0	0.00000E+00	489828.1	3752873.0	482.8	1.00	15.60	0.23	YES	
L0112470	0	0.00000E+00	489861.7	3752872.5	480.7	1.00	15.60	0.23	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112471	0	0.00000E+00	489895.2	3752871.9	480.3	1.00	15.60	0.23	YES	
L0113397	0	0.12172E-03	488256.0	3755293.6	547.9	1.50	9.20	0.35	YES	
L0113398	0	0.12172E-03	488263.4	3755275.3	547.8	1.50	9.20	0.35	YES	
L0113399	0	0.12172E-03	488270.8	3755256.9	547.0	1.50	9.20	0.35	YES	
L0113400	0	0.12172E-03	488278.2	3755238.6	546.1	1.50	9.20	0.35	YES	
L0113401	0	0.12172E-03	488285.6	3755220.3	545.6	1.50	9.20	0.35	YES	
L0113402	0	0.12172E-03	488293.0	3755201.9	546.3	1.50	9.20	0.35	YES	
L0113403	0	0.12172E-03	488300.4	3755183.6	546.5	1.50	9.20	0.35	YES	
L0113404	0	0.12172E-03	488307.8	3755165.2	546.1	1.50	9.20	0.35	YES	
L0113405	0	0.12172E-03	488315.2	3755146.9	545.5	1.50	9.20	0.35	YES	
L0113406	0	0.12172E-03	488322.7	3755128.6	544.2	1.50	9.20	0.35	YES	
L0113407	0	0.12172E-03	488330.1	3755110.2	541.8	1.50	9.20	0.35	YES	
L0113408	0	0.12172E-03	488337.5	3755091.9	539.3	1.50	9.20	0.35	YES	
L0113409	0	0.12172E-03	488344.9	3755073.6	537.2	1.50	9.20	0.35	YES	
L0113410	0	0.12172E-03	488352.3	3755055.2	535.1	1.50	9.20	0.35	YES	
L0113411	0	0.12172E-03	488359.7	3755036.9	533.0	1.50	9.20	0.35	YES	
L0113412	0	0.12172E-03	488367.1	3755018.5	531.5	1.50	9.20	0.35	YES	
L0113413	0	0.12172E-03	488374.5	3755000.2	530.1	1.50	9.20	0.35	YES	
L0113414	0	0.12172E-03	488381.9	3754981.9	528.9	1.50	9.20	0.35	YES	
L0113415	0	0.12172E-03	488389.3	3754963.5	527.8	1.50	9.20	0.35	YES	
L0113416	0	0.12172E-03	488396.7	3754945.2	527.0	1.50	9.20	0.35	YES	
L0113417	0	0.12172E-03	488404.1	3754926.9	527.9	1.50	9.20	0.35	YES	
L0113418	0	0.12172E-03	488411.5	3754908.5	527.8	1.50	9.20	0.35	YES	
L0113419	0	0.12172E-03	488418.9	3754890.2	527.3	1.50	9.20	0.35	YES	
L0113420	0	0.12172E-03	488426.3	3754871.8	526.6	1.50	9.20	0.35	YES	
L0113421	0	0.12172E-03	488433.7	3754853.5	525.6	1.50	9.20	0.35	YES	
L0113422	0	0.12172E-03	488441.1	3754835.2	524.3	1.50	9.20	0.35	YES	
L0113423	0	0.12172E-03	488448.6	3754816.8	526.0	1.50	9.20	0.35	YES	
L0113424	0	0.12172E-03	488456.0	3754798.5	526.0	1.50	9.20	0.35	YES	
L0113425	0	0.12172E-03	488463.4	3754780.1	526.5	1.50	9.20	0.35	YES	
L0113740	0	0.12477E-03	488468.1	3754776.1	526.9	1.50	9.32	0.35	YES	
L0113741	0	0.12477E-03	488477.9	3754758.6	526.5	1.50	9.32	0.35	YES	
L0113742	0	0.12477E-03	488487.7	3754741.2	526.1	1.50	9.32	0.35	YES	
L0113743	0	0.12477E-03	488497.6	3754723.7	525.7	1.50	9.32	0.35	YES	
L0113744	0	0.12477E-03	488507.4	3754706.3	525.3	1.50	9.32	0.35	YES	
L0113745	0	0.12477E-03	488517.3	3754688.8	524.9	1.50	9.32	0.35	YES	
L0113746	0	0.12477E-03	488527.1	3754671.4	524.5	1.50	9.32	0.35	YES	
L0113747	0	0.12477E-03	488536.9	3754653.9	524.0	1.50	9.32	0.35	YES	
L0113748	0	0.12477E-03	488546.8	3754636.5	523.6	1.50	9.32	0.35	YES	
L0113749	0	0.12477E-03	488556.6	3754619.0	523.2	1.50	9.32	0.35	YES	

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*** VOLUME SOURCE DATA ***

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L0113750	0	0.12477E-03	488566.5	3754601.6	522.8	1.50	9.32	0.35	YES	
L0113751	0	0.12477E-03	488576.3	3754584.1	522.4	1.50	9.32	0.35	YES	
L0113752	0	0.12477E-03	488586.1	3754566.7	522.0	1.50	9.32	0.35	YES	
L0113753	0	0.12477E-03	488596.0	3754549.2	521.6	1.50	9.32	0.35	YES	
L0113754	0	0.12477E-03	488605.8	3754531.8	521.2	1.50	9.32	0.35	YES	
L0113755	0	0.12477E-03	488615.6	3754514.3	520.8	1.50	9.32	0.35	YES	
L0113756	0	0.12477E-03	488625.5	3754496.9	520.4	1.50	9.32	0.35	YES	
L0113757	0	0.12477E-03	488635.3	3754479.4	520.0	1.50	9.32	0.35	YES	
L0113758	0	0.12477E-03	488645.2	3754462.0	519.6	1.50	9.32	0.35	YES	
L0113759	0	0.12477E-03	488655.0	3754444.5	519.2	1.50	9.32	0.35	YES	
L0113760	0	0.12477E-03	488664.8	3754427.1	518.8	1.50	9.32	0.35	YES	
L0113761	0	0.12477E-03	488674.7	3754409.6	518.4	1.50	9.32	0.35	YES	
L0113762	0	0.12477E-03	488684.5	3754392.2	518.0	1.50	9.32	0.35	YES	
L0113763	0	0.12477E-03	488694.4	3754374.7	517.5	1.50	9.32	0.35	YES	
L0113764	0	0.12477E-03	488704.2	3754357.3	517.1	1.50	9.32	0.35	YES	
L0113765	0	0.12477E-03	488714.0	3754339.8	516.7	1.50	9.32	0.35	YES	
L0113766	0	0.12477E-03	488723.9	3754322.4	516.3	1.50	9.32	0.35	YES	
L0113767	0	0.12477E-03	488734.7	3754305.7	515.9	1.50	9.32	0.35	YES	
L0113768	0	0.12477E-03	488750.1	3754293.0	515.6	1.50	9.32	0.35	YES	
L0113769	0	0.12477E-03	488765.6	3754280.2	515.3	1.50	9.32	0.35	YES	
L0113770	0	0.12477E-03	488781.0	3754267.5	514.9	1.50	9.32	0.35	YES	
L0113771	0	0.12477E-03	488796.5	3754254.7	514.6	1.50	9.32	0.35	YES	
L0113772	0	0.12477E-03	488811.9	3754241.9	514.3	1.50	9.32	0.35	YES	
L0113773	0	0.12477E-03	488827.4	3754229.2	513.9	1.50	9.32	0.35	YES	
L0113774	0	0.12477E-03	488842.8	3754216.4	513.6	1.50	9.32	0.35	YES	
L0113775	0	0.12477E-03	488858.2	3754203.7	513.3	1.50	9.32	0.35	YES	
L0113776	0	0.12477E-03	488873.7	3754190.9	512.9	1.50	9.32	0.35	YES	
L0113777	0	0.12477E-03	488889.1	3754178.1	512.6	1.50	9.32	0.35	YES	
L0113778	0	0.12477E-03	488904.6	3754165.4	512.3	1.50	9.32	0.35	YES	
L0113779	0	0.12477E-03	488920.0	3754152.6	511.9	1.50	9.32	0.35	YES	
L0113780	0	0.12477E-03	488935.5	3754139.9	511.6	1.50	9.32	0.35	YES	
L0113781	0	0.12477E-03	488950.9	3754127.1	511.3	1.50	9.32	0.35	YES	
L0113782	0	0.12477E-03	488966.7	3754114.8	511.0	1.50	9.32	0.35	YES	
L0113783	0	0.12477E-03	488983.8	3754104.4	510.9	1.50	9.32	0.35	YES	
L0113784	0	0.12477E-03	489000.9	3754093.9	510.7	1.50	9.32	0.35	YES	
L0113785	0	0.12477E-03	489018.0	3754083.5	510.6	1.50	9.32	0.35	YES	
L0113786	0	0.12477E-03	489035.1	3754073.0	510.5	1.50	9.32	0.35	YES	
L0113787	0	0.12477E-03	489052.2	3754062.6	510.4	1.50	9.32	0.35	YES	
L0113788	0	0.12477E-03	489069.3	3754052.2	510.2	1.50	9.32	0.35	YES	
L0113789	0	0.12477E-03	489086.4	3754041.7	510.1	1.50	9.32	0.35	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0113790	0	0.12477E-03	489103.5	3754031.3	510.0	1.50	9.32	0.35	YES	
L0113791	0	0.12477E-03	489120.6	3754020.8	509.9	1.50	9.32	0.35	YES	
L0113792	0	0.12477E-03	489137.7	3754010.4	509.8	1.50	9.32	0.35	YES	
L0113793	0	0.12477E-03	489154.8	3754000.0	509.7	1.50	9.32	0.35	YES	
L0113794	0	0.12477E-03	489171.9	3753989.5	509.5	1.50	9.32	0.35	YES	
L0113795	0	0.12477E-03	489189.0	3753979.1	509.4	1.50	9.32	0.35	YES	
L0113796	0	0.12477E-03	489206.1	3753968.6	509.3	1.50	9.32	0.35	YES	
L0113797	0	0.12477E-03	489223.2	3753958.2	509.2	1.50	9.32	0.35	YES	
L0113798	0	0.12477E-03	489240.2	3753947.8	509.1	1.50	9.32	0.35	YES	
L0113799	0	0.12477E-03	489257.3	3753937.3	508.9	1.50	9.32	0.35	YES	
L0113800	0	0.12477E-03	489274.4	3753926.9	508.8	1.50	9.32	0.35	YES	
L0113801	0	0.12477E-03	489291.5	3753916.4	508.7	1.50	9.32	0.35	YES	
L0113802	0	0.12477E-03	489308.6	3753906.0	508.6	1.50	9.32	0.35	YES	
L0113803	0	0.12477E-03	489325.7	3753895.6	508.4	1.50	9.32	0.35	YES	
L0113804	0	0.12477E-03	489342.8	3753885.1	508.3	1.50	9.32	0.35	YES	
L0113805	0	0.12477E-03	489359.9	3753874.7	508.2	1.50	9.32	0.35	YES	
L0113806	0	0.12477E-03	489377.0	3753864.2	508.1	1.50	9.32	0.35	YES	
L0113807	0	0.12477E-03	489394.1	3753853.8	508.0	1.50	9.32	0.35	YES	
L0113808	0	0.12477E-03	489411.2	3753843.4	507.9	1.50	9.32	0.35	YES	
L0113809	0	0.12477E-03	489428.3	3753832.9	507.7	1.50	9.32	0.35	YES	
L0113810	0	0.12477E-03	489445.4	3753822.5	507.6	1.50	9.32	0.35	YES	
L0113811	0	0.12477E-03	489462.5	3753812.0	507.5	1.50	9.32	0.35	YES	
L0113812	0	0.12477E-03	489479.6	3753801.6	507.4	1.50	9.32	0.35	YES	
L0113813	0	0.12477E-03	489496.7	3753791.2	507.2	1.50	9.32	0.35	YES	
L0113814	0	0.12477E-03	489513.8	3753780.7	507.1	1.50	9.32	0.35	YES	
L0113815	0	0.12477E-03	489530.9	3753770.3	507.0	1.50	9.32	0.35	YES	
L0113816	0	0.12477E-03	489548.0	3753759.8	506.9	1.50	9.32	0.35	YES	
L0113817	0	0.12477E-03	489565.1	3753749.4	506.8	1.50	9.32	0.35	YES	
L0113818	0	0.12477E-03	489582.2	3753739.0	506.6	1.50	9.32	0.35	YES	
L0113819	0	0.12477E-03	489599.3	3753728.5	506.5	1.50	9.32	0.35	YES	
L0113820	0	0.12477E-03	489616.4	3753718.1	506.4	1.50	9.32	0.35	YES	
L0113821	0	0.12477E-03	489633.5	3753707.6	506.3	1.50	9.32	0.35	YES	
L0113822	0	0.12477E-03	489650.6	3753697.2	506.2	1.50	9.32	0.35	YES	
L0113823	0	0.12477E-03	489667.7	3753686.8	506.0	1.50	9.32	0.35	YES	
L0113824	0	0.12477E-03	489684.8	3753676.3	505.9	1.50	9.32	0.35	YES	
L0113825	0	0.12477E-03	489701.9	3753665.9	505.8	1.50	9.32	0.35	YES	
L0113826	0	0.12477E-03	489719.0	3753655.4	505.7	1.50	9.32	0.35	YES	
L0113827	0	0.12477E-03	489736.1	3753645.0	505.6	1.50	9.32	0.35	YES	
L0113828	0	0.12477E-03	489753.2	3753634.6	505.4	1.50	9.32	0.35	YES	
L0113829	0	0.12477E-03	489770.3	3753624.1	505.3	1.50	9.32	0.35	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0113830	0	0.12477E-03	489787.4	3753613.7	505.2	1.50	9.32	0.35	YES	
L0113831	0	0.12477E-03	489804.5	3753603.2	505.1	1.50	9.32	0.35	YES	
L0113832	0	0.12477E-03	489821.6	3753592.8	505.0	1.50	9.32	0.35	YES	
L0113833	0	0.12477E-03	489838.7	3753582.4	504.8	1.50	9.32	0.35	YES	
L0113834	0	0.12477E-03	489855.8	3753571.9	504.7	1.50	9.32	0.35	YES	
L0113835	0	0.12477E-03	489872.9	3753561.5	504.6	1.50	9.32	0.35	YES	
L0113836	0	0.12477E-03	489890.0	3753551.0	504.5	1.50	9.32	0.35	YES	
L0113837	0	0.12477E-03	489907.1	3753540.6	504.4	1.50	9.32	0.35	YES	
L0113838	0	0.12477E-03	489924.2	3753530.2	504.2	1.50	9.32	0.35	YES	
L0113839	0	0.12477E-03	489941.3	3753519.7	504.1	1.50	9.32	0.35	YES	
L0113840	0	0.12477E-03	489958.4	3753509.3	504.0	1.50	9.32	0.35	YES	
L0113841	0	0.12477E-03	489975.5	3753498.8	503.9	1.50	9.32	0.35	YES	
L0113842	0	0.12477E-03	489992.6	3753488.4	503.8	1.50	9.32	0.35	YES	
L0113843	0	0.12477E-03	490009.7	3753478.0	503.6	1.50	9.32	0.35	YES	
L0113844	0	0.12477E-03	490026.7	3753467.5	503.5	1.50	9.32	0.35	YES	
L0113845	0	0.12477E-03	490043.8	3753457.1	503.4	1.50	9.32	0.35	YES	
L0113846	0	0.12477E-03	490060.9	3753446.6	503.3	1.50	9.32	0.35	YES	
L0113847	0	0.12477E-03	490078.0	3753436.2	503.2	1.50	9.32	0.35	YES	
L0113848	0	0.12477E-03	490095.1	3753425.8	503.0	1.50	9.32	0.35	YES	
L0113849	0	0.16026E-03	490104.1	3753442.3	503.9	1.40	9.38	0.33	YES	
L0113850	0	0.16026E-03	490121.5	3753432.0	503.5	1.40	9.38	0.33	YES	
L0113851	0	0.16026E-03	490138.9	3753421.8	503.2	1.40	9.38	0.33	YES	
L0113852	0	0.16026E-03	490156.2	3753411.5	502.8	1.40	9.38	0.33	YES	
L0113853	0	0.16026E-03	490173.6	3753401.2	502.4	1.40	9.38	0.33	YES	
L0113854	0	0.16026E-03	490191.0	3753391.0	502.0	1.40	9.38	0.33	YES	
L0113855	0	0.16026E-03	490208.3	3753380.7	501.6	1.40	9.38	0.33	YES	
L0113856	0	0.16026E-03	490225.7	3753370.4	501.3	1.40	9.38	0.33	YES	
L0113857	0	0.16026E-03	490243.1	3753360.2	500.9	1.40	9.38	0.33	YES	
L0113858	0	0.16026E-03	490260.4	3753349.9	500.5	1.40	9.38	0.33	YES	
L0113859	0	0.16026E-03	490277.8	3753339.7	500.1	1.40	9.38	0.33	YES	
L0113860	0	0.16026E-03	490295.2	3753329.4	499.8	1.40	9.38	0.33	YES	
L0113861	0	0.16026E-03	490312.5	3753319.1	499.4	1.40	9.38	0.33	YES	
L0113862	0	0.16026E-03	490329.9	3753308.9	499.0	1.40	9.38	0.33	YES	
L0113863	0	0.16026E-03	490347.3	3753298.6	498.6	1.40	9.38	0.33	YES	
L0113864	0	0.16026E-03	490364.6	3753288.3	498.2	1.40	9.38	0.33	YES	
L0113865	0	0.16026E-03	490382.0	3753278.1	497.9	1.40	9.38	0.33	YES	
L0113866	0	0.16026E-03	490399.4	3753267.8	497.5	1.40	9.38	0.33	YES	
L0113867	0	0.16026E-03	490416.7	3753257.6	497.1	1.40	9.38	0.33	YES	
L0113868	0	0.16026E-03	490434.1	3753247.3	496.8	1.40	9.38	0.33	YES	
L0113869	0	0.16026E-03	490451.5	3753237.0	496.4	1.40	9.38	0.33	YES	

**MODELOPTs: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0113870	0	0.16026E-03	490468.8	3753226.8	496.0	1.40	9.38	0.33	YES	
L0113871	0	0.16026E-03	490486.2	3753216.5	495.6	1.40	9.38	0.33	YES	
L0113872	0	0.16026E-03	490503.6	3753206.2	495.2	1.40	9.38	0.33	YES	
L0113873	0	0.16026E-03	490520.9	3753196.0	494.9	1.40	9.38	0.33	YES	
L0113874	0	0.16026E-03	490538.3	3753185.7	494.5	1.40	9.38	0.33	YES	
L0113875	0	0.16026E-03	490555.7	3753175.5	494.1	1.40	9.38	0.33	YES	
L0113876	0	0.16026E-03	490573.0	3753165.2	493.7	1.40	9.38	0.33	YES	
L0113877	0	0.16026E-03	490590.4	3753154.9	493.4	1.40	9.38	0.33	YES	
L0113878	0	0.16026E-03	490607.8	3753144.7	493.0	1.40	9.38	0.33	YES	
L0113879	0	0.16026E-03	490625.1	3753134.4	492.6	1.40	9.38	0.33	YES	
L0113880	0	0.16026E-03	490642.5	3753124.1	492.2	1.40	9.38	0.33	YES	
L0113881	0	0.16026E-03	490657.6	3753111.4	491.7	1.40	9.38	0.33	YES	
L0113882	0	0.16026E-03	490669.5	3753095.1	491.1	1.40	9.38	0.33	YES	
L0113883	0	0.16026E-03	490681.4	3753078.8	490.5	1.40	9.38	0.33	YES	
L0113884	0	0.16026E-03	490693.3	3753062.5	489.8	1.40	9.38	0.33	YES	
L0113885	0	0.16026E-03	490705.2	3753046.2	489.2	1.40	9.38	0.33	YES	
L0113886	0	0.16026E-03	490717.1	3753029.9	488.6	1.40	9.38	0.33	YES	
L0113887	0	0.16026E-03	490729.0	3753013.6	487.9	1.40	9.38	0.33	YES	
L0113888	0	0.16026E-03	490740.9	3752997.3	487.3	1.40	9.38	0.33	YES	
L0113889	0	0.16026E-03	490752.8	3752981.1	486.7	1.40	9.38	0.33	YES	
L0113890	0	0.16026E-03	490764.7	3752964.8	486.0	1.40	9.38	0.33	YES	
L0113891	0	0.16026E-03	490776.6	3752948.5	485.4	1.40	9.38	0.33	YES	
L0113892	0	0.16026E-03	490788.4	3752932.2	484.8	1.40	9.38	0.33	YES	
L0113893	0	0.16026E-03	490800.3	3752915.9	484.1	1.40	9.38	0.33	YES	
L0113894	0	0.16026E-03	490812.2	3752899.6	483.5	1.40	9.38	0.33	YES	
L0113895	0	0.16026E-03	490824.1	3752883.3	482.9	1.40	9.38	0.33	YES	
L0113896	0	0.16026E-03	490836.0	3752867.0	482.2	1.40	9.38	0.33	YES	
L0113897	0	0.16026E-03	490847.9	3752850.7	481.6	1.40	9.38	0.33	YES	
L0113898	0	0.16026E-03	490859.8	3752834.4	480.9	1.40	9.38	0.33	YES	
L0113899	0	0.16026E-03	490871.7	3752818.1	480.3	1.40	9.38	0.33	YES	
L0113900	0	0.16026E-03	490883.6	3752801.8	479.7	1.40	9.38	0.33	YES	
L0113901	0	0.16026E-03	490895.5	3752785.5	479.0	1.40	9.38	0.33	YES	
L0113902	0	0.16026E-03	490907.4	3752769.2	478.4	1.40	9.38	0.33	YES	
L0113903	0	0.16026E-03	490919.2	3752752.9	477.8	1.40	9.38	0.33	YES	
L0113904	0	0.16026E-03	490931.1	3752736.6	477.1	1.40	9.38	0.33	YES	
L0113905	0	0.16026E-03	490943.0	3752720.3	476.5	1.40	9.38	0.33	YES	
L0113906	0	0.16026E-03	490954.9	3752704.0	475.9	1.40	9.38	0.33	YES	
L0113907	0	0.16026E-03	490966.8	3752687.7	475.2	1.40	9.38	0.33	YES	
L0113908	0	0.16026E-03	490978.7	3752671.4	474.6	1.40	9.38	0.33	YES	
L0113909	0	0.16026E-03	490990.6	3752655.1	474.0	1.40	9.38	0.33	YES	

**MODELOPTs: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0113910	0	0.16026E-03	491002.5	3752638.8	473.3	1.40	9.38	0.33	YES	
L0113911	0	0.16026E-03	491014.4	3752622.6	472.7	1.40	9.38	0.33	YES	
L0113912	0	0.16026E-03	491026.3	3752606.3	472.1	1.40	9.38	0.33	YES	
L0113913	0	0.16026E-03	491038.2	3752590.0	471.4	1.40	9.38	0.33	YES	
L0113914	0	0.16026E-03	491050.1	3752573.7	470.8	1.40	9.38	0.33	YES	
L0113915	0	0.16026E-03	491061.9	3752557.4	470.2	1.40	9.38	0.33	YES	
L0113916	0	0.16026E-03	491073.8	3752541.1	469.5	1.40	9.38	0.33	YES	
L0113917	0	0.16026E-03	491085.7	3752524.8	468.9	1.40	9.38	0.33	YES	
L0113918	0	0.16026E-03	491097.6	3752508.5	468.2	1.40	9.38	0.33	YES	
L0113919	0	0.16026E-03	491109.5	3752492.2	467.6	1.40	9.38	0.33	YES	
L0113920	0	0.16026E-03	491121.4	3752475.9	467.0	1.40	9.38	0.33	YES	
L0113921	0	0.16026E-03	491133.3	3752459.6	466.3	1.40	9.38	0.33	YES	
L0113922	0	0.16026E-03	491145.2	3752443.3	465.7	1.40	9.38	0.33	YES	
L0113923	0	0.16026E-03	491157.1	3752427.0	465.1	1.40	9.38	0.33	YES	
L0113924	0	0.16026E-03	491169.0	3752410.7	464.4	1.40	9.38	0.33	YES	
L0113925	0	0.16026E-03	491180.9	3752394.4	463.8	1.40	9.38	0.33	YES	
L0113926	0	0.16026E-03	491192.7	3752378.1	463.2	1.40	9.38	0.33	YES	

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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
PHASE1	0	0.39400E-08	485577.5	3755020.4	527.6	2.30	11	0.00	YES	

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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs							
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017          ***        12/19/12
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 **MODELOPTS:  NonDFAULT CONC                                                    ELEV
                        FASTALL

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***
 GROUP ID                                                  SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017          ***        12/19/12
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 **MODELOPTS:  NonDFAULT CONC                                                    ELEV
                        FASTALL

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***
 GROUP ID                                                  SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
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 **MODELOPTs:  NonDFAULT CONC                                                    ELEV
                         FASTALL

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                   SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
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 **MODELOPTs:  NonDFAULT CONC                                                    ELEV
                         FASTALL

                                          *** GRIDDED RECEPTOR NETWORK SUMMARY ***

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                          *** X-COORDINATES OF GRID ***
                                                    (METERS)

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                                          *** Y-COORDINATES OF GRID ***
                                                    (METERS)

      3741938.3, 3742938.3, 3743938.3, 3744938.3, 3745938.3, 3746938.3, 3747938.3, 3748938.3, 3749938.3, 3750938.3,
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♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
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 **MODELOPTs:  NonDFAULT CONC                                                    ELEV
                         FASTALL

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                          * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                        X-COORD (METERS)
    (METERS) |     461553.03    462553.03    463553.03    464553.03    465553.03    466553.03    467553.03    468553.03    469553.03
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3767938.31 |        317.90       315.50       311.70       305.80       301.50       279.60       278.50       272.60       279.20
  3766938.31 |        336.30       305.50       294.90       294.00       283.00       268.30       267.10       395.80       277.90
  3765938.31 |        325.60       405.70       301.30       289.30       287.10       261.20       293.50       397.30       291.80
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3764938.31	311.30	365.90	350.10	293.30	273.50	258.00	261.00	288.90	288.10
3763938.31	295.70	394.50	275.10	267.50	248.90	253.00	257.10	276.60	299.60
3762938.31	266.30	266.90	261.00	243.60	247.90	254.20	263.80	281.00	306.80
3761938.31	242.70	240.00	239.10	241.70	250.50	255.90	268.10	287.50	312.50
3760938.31	227.40	232.20	233.60	267.10	260.30	266.80	279.00	295.10	323.80
3759938.31	231.00	227.90	306.60	254.10	267.80	278.00	287.90	303.00	326.30
3758938.31	225.00	236.10	253.00	263.10	271.10	278.30	294.20	306.30	325.20
3757938.31	242.90	247.20	257.60	287.20	273.70	269.10	286.50	309.40	333.40
3756938.31	240.20	249.30	257.40	270.00	287.90	314.60	321.20	305.30	333.60
3755938.31	246.00	257.10	266.10	276.80	293.20	340.60	359.10	392.00	355.20
3754938.31	248.50	260.00	276.80	296.00	315.10	378.50	397.50	424.40	446.50
3753938.31	260.60	269.80	285.70	300.20	343.20	384.50	408.70	459.30	492.70
3752938.31	270.20	283.70	306.80	324.20	359.90	410.50	453.20	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	370.10	406.50	435.60	459.70	473.80
3750938.31	302.60	319.90	344.80	357.00	359.90	410.40	467.40	475.40	487.80
3749938.31	329.00	337.50	391.80	442.20	444.30	439.90	466.10	486.40	501.00
3748938.31	396.00	335.40	377.80	424.70	452.80	466.30	492.50	530.60	513.50
3747938.31	427.10	444.20	382.70	398.40	434.20	525.50	527.90	535.40	508.80
3746938.31	441.20	476.80	468.20	415.80	447.50	476.50	480.20	486.90	492.60
3745938.31	443.70	473.10	464.50	438.00	420.80	444.80	467.60	496.10	513.30
3744938.31	430.60	450.90	441.80	434.80	446.20	468.50	540.20	507.00	518.10
3743938.31	417.00	420.10	430.30	443.00	447.20	451.30	469.00	476.40	478.80
3742938.31	435.90	446.30	466.50	498.00	501.00	511.50	481.80	517.80	556.40
3741938.31	474.60	533.00	551.60	552.10	619.20	572.30	597.50	653.00	564.20

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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
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3766938.31	301.20	333.70	340.60	336.20	384.40	409.90	380.20	386.80	384.50
3765938.31	313.20	342.50	448.10	359.20	407.10	458.80	482.50	461.70	459.60
3764938.31	311.10	346.40	657.00	455.30	395.40	467.20	504.80	545.20	510.30
3763938.31	325.70	353.10	435.90	504.40	420.40	430.90	500.60	554.40	626.90
3762938.31	318.70	356.60	382.20	408.20	498.60	534.40	470.90	509.90	539.10
3761938.31	411.70	551.30	580.90	449.90	615.40	776.00	690.30	617.60	548.30
3760938.31	399.70	469.40	625.60	642.80	582.20	632.10	814.90	830.10	632.90
3759938.31	352.70	380.50	666.10	820.90	599.20	547.70	579.10	784.30	625.60
3758938.31	356.30	404.00	732.30	830.30	615.10	544.90	541.10	565.00	602.60
3757938.31	390.90	429.40	509.10	790.60	782.00	562.30	524.60	545.10	576.90
3756938.31	396.60	462.40	469.80	513.40	695.40	563.20	521.90	516.20	540.60
3755938.31	451.40	484.60	457.40	488.80	514.90	515.10	503.90	508.20	511.80
3754938.31	462.00	468.90	467.80	474.40	483.10	495.10	497.10	497.00	496.10
3753938.31	485.80	444.20	462.50	468.20	470.10	483.70	489.90	488.60	488.00
3752938.31	496.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	499.70	534.90	498.40	478.90	472.10	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	472.60	465.30	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	467.20	456.80	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	476.10	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	454.60	452.80	451.90
3746938.31	525.30	513.50	511.80	533.20	519.10	469.50	454.30	454.50	447.50
3745938.31	546.30	513.20	510.80	517.60	521.80	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	533.40	477.40	461.80	449.40	445.80
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	522.10	528.30	527.90	518.60	512.50	490.80	475.50	452.00	447.80
3741938.31	593.90	581.10	555.50	534.60	537.70	549.40	498.00	460.30	442.90

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** PM2.5 (No Refrigeration) *** 18:00:21
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	373.90	406.60	408.60	429.30	457.00	476.70	495.00	534.80	562.90
3765938.31	441.20	390.60	450.20	458.00	486.40	516.70	539.40	562.30	602.20
3764938.31	472.90	447.20	408.10	450.00	508.00	549.40	579.80	596.40	630.70
3763938.31	573.90	480.90	465.10	443.30	451.50	526.90	616.60	643.00	665.40
3762938.31	633.40	621.10	497.10	513.60	500.30	473.20	549.60	558.50	597.70
3761938.31	633.80	696.10	578.40	595.10	536.00	493.00	521.50	573.40	589.70
3760938.31	612.70	771.50	774.50	667.50	632.60	595.90	532.50	510.00	543.10
3759938.31	750.20	721.00	823.40	796.40	718.30	624.10	577.90	559.90	566.90
3758938.31	769.50	817.80	682.00	715.80	715.30	649.00	632.00	705.60	627.80
3757938.31	654.20	735.40	726.40	625.20	646.60	603.80	643.90	673.20	703.70
3756938.31	578.40	596.10	632.00	636.80	574.80	581.40	584.90	593.20	633.90
3755938.31	534.90	550.50	557.10	551.80	558.10	556.20	551.80	549.40	578.00
3754938.31	501.90	518.80	513.20	530.30	535.20	537.10	527.60	525.60	526.30
3753938.31	484.50	494.20	500.90	507.30	527.20	515.60	503.90	503.00	496.40
3752938.31	472.20	481.00	482.10	483.90	484.30	487.50	488.10	487.40	479.60
3751938.31	472.00	468.70	466.60	469.20	467.20	475.60	513.80	650.90	533.40
3750938.31	462.20	464.30	454.80	461.90	476.80	531.30	771.00	658.60	548.10
3749938.31	461.90	456.70	491.00	524.00	524.30	563.50	580.90	550.10	513.70
3748938.31	453.60	458.80	528.40	666.50	545.30	516.50	507.70	500.10	534.60
3747938.31	448.80	453.60	630.60	614.60	504.60	497.40	478.00	495.60	566.60
3746938.31	443.40	457.10	486.30	478.00	478.00	478.00	478.00	535.10	465.60
3745938.31	444.60	444.00	451.50	478.00	478.00	478.00	544.70	620.50	435.80
3744938.31	442.20	442.80	446.20	452.70	478.00	491.40	688.80	460.70	434.70
3743938.31	442.20	443.90	443.80	449.80	518.60	704.30	461.70	433.40	439.40
3742938.31	443.00	436.50	441.80	460.50	485.80	462.50	436.60	434.40	437.20
3741938.31	440.00	440.00	443.20	464.70	494.00	451.40	435.10	436.80	444.80

**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	585.60	659.90	750.50	849.50	964.60	887.60	799.80	842.60
3766938.31	620.90	644.20	726.40	740.70	749.70	765.90	746.90	783.40	825.20
3765938.31	647.50	671.10	648.30	644.30	667.00	700.80	752.10	785.40	821.00
3764938.31	645.70	628.90	634.80	634.90	658.40	717.30	744.10	769.90	803.90
3763938.31	641.80	636.10	611.10	647.70	662.20	696.20	735.10	762.10	788.90
3762938.31	567.80	579.90	612.80	639.70	683.70	703.20	737.10	760.10	788.60
3761938.31	645.00	662.30	670.20	680.00	684.30	717.00	734.10	758.40	782.00
3760938.31	605.10	665.70	651.20	671.30	699.20	686.90	709.50	748.60	777.00
3759938.31	554.60	565.70	601.70	627.90	662.80	672.60	705.00	707.60	735.00
3758938.31	691.80	646.90	606.20	641.40	617.10	646.90	656.00	701.50	705.00
3757938.31	708.00	700.40	691.40	714.50	700.80	636.00	691.20	708.50	717.50
3756938.31	671.60	698.80	672.20	693.20	762.30	676.60	660.50	722.70	744.70
3755938.31	584.70	625.90	643.00	724.20	685.50	740.50	714.80	678.00	696.50
3754938.31	538.80	559.60	583.70	611.70	661.10	631.20	658.60	711.00	714.10
3753938.31	497.80	504.20	536.20	577.90	576.60	604.60	594.70	629.30	712.60
3752938.31	476.00	484.00	483.20	521.60	511.20	551.60	565.60	597.80	713.90
3751938.31	461.80	464.20	456.50	460.80	483.90	546.20	559.10	588.10	668.30
3750938.31	452.20	443.30	437.30	433.00	456.70	508.60	521.70	564.30	641.50
3749938.31	440.90	437.90	432.30	428.00	441.00	462.30	480.10	618.00	616.20
3748938.31	447.80	435.20	433.30	430.10	431.40	434.70	436.80	562.80	649.90
3747938.31	441.10	433.70	435.40	437.00	430.60	428.00	432.60	441.60	530.80
3746938.31	435.20	470.70	436.80	436.10	434.50	439.70	433.90	437.50	452.70
3745938.31	432.10	434.70	437.10	439.10	440.90	438.60	438.10	435.60	446.20
3744938.31	435.10	440.90	436.10	438.20	441.30	441.00	441.10	438.90	439.20
3743938.31	445.10	447.60	443.00	442.10	473.20	470.40	440.10	441.00	440.30
3742938.31	453.00	463.60	463.40	470.40	558.30	719.10	644.10	446.20	448.60
3741938.31	459.30	477.60	489.00	576.80	623.40	693.40	713.10	512.00	449.70

**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	884.20	929.90	993.80	1066.90	1171.60	1243.50	1319.20	1434.80	1630.30
3766938.31	883.00	946.60	1050.80	1085.60	1198.10	1517.00	1503.00	1502.80	1502.40
3765938.31	883.90	1004.20	1177.00	1131.40	1192.90	1410.70	1471.10	1478.60	1400.30
3764938.31	850.10	947.40	1013.60	1008.70	1179.60	1281.10	1301.70	1306.10	1382.20
3763938.31	829.40	857.30	905.40	964.90	1044.10	1180.20	1202.20	1179.70	1257.70
3762938.31	822.50	865.90	944.60	1007.70	1037.60	1078.00	1127.90	1158.40	1182.30
3761938.31	809.00	878.30	953.60	1169.40	1036.50	1099.60	1048.30	1047.60	1121.70
3760938.31	787.90	883.00	940.40	982.90	1006.80	962.30	991.10	1006.40	1068.70
3759938.31	799.00	833.90	872.10	865.40	882.00	901.80	917.10	980.90	1014.00
3758938.31	739.80	775.50	823.60	827.30	844.80	866.20	876.00	896.40	973.80
3757938.31	745.50	766.60	789.80	806.10	812.70	836.20	847.10	869.00	891.20
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	796.10	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	733.70	739.00	748.20	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	698.30	742.60	758.40	806.00	784.40	793.40	782.90	776.00	774.50
3751938.31	688.50	698.30	788.50	827.60	779.20	816.00	826.50	776.50	765.50
3750938.31	637.60	658.70	761.70	746.60	753.10	763.30	778.20	767.10	824.50
3749938.31	565.10	605.60	688.00	741.70	730.60	768.40	748.50	743.00	742.90
3748938.31	600.40	581.60	634.10	689.10	721.10	712.00	735.90	695.10	721.80
3747938.31	612.80	550.40	629.60	635.50	674.00	749.80	680.90	680.10	661.60
3746938.31	475.00	519.90	658.40	668.60	636.20	659.50	635.50	626.90	644.80
3745938.31	457.70	478.30	548.30	576.50	593.60	572.70	612.10	688.50	733.30
3744938.31	445.20	446.70	455.30	487.90	797.60	730.60	713.70	991.50	924.10
3743938.31	441.00	442.60	443.20	451.00	524.60	831.50	1033.10	970.20	1073.70
3742938.31	441.80	443.80	445.20	450.00	460.10	583.10	792.30	1036.30	1119.40
3741938.31	445.60	445.70	445.30	450.20	453.60	459.80	469.30	669.80	974.60

**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	677.00	570.00	311.70	305.80	301.50	279.60	328.00	406.00	735.00
3766938.31	677.00	677.00	478.00	303.00	283.00	289.00	434.00	406.00	735.00
3765938.31	677.00	478.00	518.00	478.00	287.10	429.00	434.00	434.00	735.00
3764938.31	677.00	518.00	518.00	518.00	273.50	258.00	434.00	735.00	735.00
3763938.31	677.00	518.00	518.00	518.00	248.90	253.00	257.10	735.00	758.00
3762938.31	677.00	518.00	518.00	518.00	247.90	259.00	580.00	735.00	905.00
3761938.31	518.00	518.00	518.00	373.00	250.50	255.90	580.00	905.00	932.00
3760938.31	227.40	392.00	392.00	392.00	260.30	266.80	580.00	932.00	932.00
3759938.31	231.00	392.00	392.00	392.00	267.80	278.00	905.00	932.00	932.00
3758938.31	225.00	251.00	253.00	263.10	271.10	278.30	905.00	932.00	932.00

3757938.31	242.90	247.20	257.60	343.00	319.00	294.00	905.00	932.00	932.00
3756938.31	240.20	249.30	257.40	318.00	287.90	314.60	330.00	932.00	932.00
3755938.31	246.00	257.10	266.10	276.80	432.00	432.00	359.10	404.00	932.00
3754938.31	248.50	260.00	276.80	296.00	432.00	432.00	397.50	427.00	459.00
3753938.31	260.60	269.80	337.00	300.20	372.00	401.00	408.70	459.30	492.70
3752938.31	270.20	288.00	306.80	324.20	359.90	439.00	470.00	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	374.00	498.00	498.00	466.00	473.80
3750938.31	302.60	319.90	344.80	384.00	359.90	472.00	467.40	475.40	487.80
3749938.31	411.00	337.50	458.00	458.00	446.00	448.00	466.10	486.40	501.00
3748938.31	405.00	480.00	395.00	424.70	455.00	466.30	492.50	543.00	513.50
3747938.31	428.00	456.00	498.00	398.40	559.00	559.00	537.00	535.40	508.80
3746938.31	441.20	476.80	488.00	445.00	447.50	476.50	480.20	486.90	492.60
3745938.31	445.00	478.00	468.00	438.00	420.80	450.00	467.60	496.10	513.30
3744938.31	464.00	450.90	441.80	434.80	451.00	501.00	540.20	507.00	518.10
3743938.31	417.00	422.00	430.30	632.00	633.00	633.00	661.00	685.00	478.80
3742938.31	597.00	710.00	710.00	632.00	633.00	633.00	687.00	687.00	687.00
3741938.31	710.00	710.00	710.00	736.00	633.00	602.00	661.00	680.00	734.00

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	735.00	735.00	735.00	735.00	735.00	341.00	348.00	353.60	357.50
3766938.31	735.00	735.00	735.00	735.00	735.00	481.00	563.00	634.00	642.00
3765938.31	735.00	735.00	735.00	841.00	735.00	461.00	563.00	635.00	644.00
3764938.31	735.00	758.00	735.00	735.00	941.00	941.00	941.00	941.00	941.00
3763938.31	867.00	867.00	856.00	856.00	941.00	941.00	941.00	941.00	634.00
3762938.31	932.00	932.00	941.00	941.00	941.00	941.00	941.00	941.00	941.00
3761938.31	905.00	850.00	867.00	941.00	941.00	874.00	941.00	941.00	941.00
3760938.31	932.00	932.00	905.00	905.00	941.00	941.00	941.00	941.00	941.00
3759938.31	932.00	932.00	932.00	867.00	941.00	941.00	941.00	941.00	941.00
3758938.31	932.00	932.00	932.00	905.00	932.00	941.00	941.00	941.00	941.00
3757938.31	932.00	932.00	932.00	932.00	932.00	941.00	941.00	941.00	941.00
3756938.31	932.00	932.00	932.00	932.00	932.00	932.00	941.00	941.00	890.00
3755938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	890.00
3754938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	497.00	496.10
3753938.31	485.80	932.00	932.00	932.00	932.00	932.00	489.90	488.60	488.00
3752938.31	509.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	509.00	541.00	503.00	478.90	479.00	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	479.00	490.00	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	468.00	490.00	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	478.00	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	462.00	452.80	451.90
3746938.31	566.00	513.50	511.80	536.00	519.10	469.50	454.30	454.50	457.00
3745938.31	559.00	513.20	510.80	517.60	540.00	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	548.00	477.40	461.80	449.40	447.00
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	734.00	528.30	527.90	518.60	515.00	490.80	475.50	455.00	452.00
3741938.31	734.00	734.00	555.50	534.60	537.70	549.40	597.00	460.30	442.90

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	537.00	406.60	408.60	429.30	457.00	516.00	508.00	534.80	565.00
3765938.31	644.00	537.00	495.00	525.00	493.00	516.70	539.40	588.00	645.00
3764938.31	941.00	687.00	858.00	525.00	523.00	575.00	579.80	596.40	666.00
3763938.31	687.00	941.00	858.00	858.00	858.00	623.00	625.00	643.00	677.00
3762938.31	941.00	782.00	858.00	858.00	858.00	641.00	581.00	693.00	693.00
3761938.31	941.00	858.00	858.00	858.00	858.00	858.00	555.00	616.00	654.00
3760938.31	941.00	824.00	858.00	858.00	858.00	802.00	771.00	751.00	654.00
3759938.31	887.00	890.00	833.00	829.00	802.00	771.00	771.00	774.00	774.00
3758938.31	890.00	890.00	890.00	829.00	741.00	731.00	751.00	751.00	774.00
3757938.31	890.00	890.00	890.00	890.00	684.00	603.80	738.00	774.00	774.00
3756938.31	890.00	890.00	890.00	682.00	574.80	581.40	584.90	774.00	774.00
3755938.31	890.00	890.00	890.00	721.00	558.10	556.20	551.80	549.40	607.00
3754938.31	890.00	890.00	518.00	530.30	617.00	537.10	527.60	525.60	528.00
3753938.31	484.50	494.20	500.90	617.00	617.00	615.00	811.00	811.00	777.00
3752938.31	472.20	481.00	482.10	483.90	811.00	811.00	811.00	811.00	811.00
3751938.31	472.00	468.70	466.60	798.00	811.00	811.00	811.00	811.00	811.00
3750938.31	462.20	741.00	777.00	798.00	811.00	811.00	798.00	811.00	811.00
3749938.31	766.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00	811.00
3748938.31	777.00	777.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00
3747938.31	777.00	777.00	777.00	777.00	777.00	810.00	811.00	810.00	804.00
3746938.31	777.00	777.00	777.00	777.00	810.00	810.00	810.00	810.00	810.00
3745938.31	444.60	777.00	777.00	810.00	810.00	810.00	810.00	810.00	810.00
3744938.31	442.20	442.80	757.00	810.00	810.00	810.00	810.00	810.00	810.00
3743938.31	442.20	443.90	757.00	810.00	810.00	757.00	810.00	810.00	810.00
3742938.31	443.00	436.50	757.00	757.00	810.00	810.00	810.00	810.00	810.00
3741938.31	440.00	443.00	757.00	757.00	757.00	810.00	810.00	810.00	444.80

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	985.00	1018.00	1018.00	1018.00	985.00	1018.00	1656.00	1771.00
3766938.31	626.00	757.00	757.00	985.00	1018.00	1018.00	1611.00	1677.00	1771.00
3765938.31	663.00	671.10	784.00	1018.00	1018.00	1018.00	1611.00	1677.00	1771.00
3764938.31	681.00	628.90	634.80	634.90	985.00	717.30	1611.00	1677.00	1740.00
3763938.31	668.00	687.00	638.00	664.00	690.00	721.00	735.10	1677.00	1677.00
3762938.31	686.00	682.00	684.00	690.00	689.00	720.00	737.10	1611.00	1677.00
3761938.31	686.00	678.00	682.00	691.00	705.00	717.00	734.10	758.40	1677.00
3760938.31	697.00	685.00	677.00	715.00	708.00	696.00	723.00	776.00	785.00
3759938.31	769.00	755.00	701.00	715.00	717.00	708.00	705.00	707.60	1200.00
3758938.31	755.00	762.00	764.00	648.00	712.00	677.00	736.00	710.00	705.00
3757938.31	769.00	764.00	764.00	748.00	730.00	794.00	736.00	712.00	730.00
3756938.31	760.00	761.00	764.00	763.00	794.00	794.00	735.00	728.00	744.70
3755938.31	760.00	760.00	683.00	727.00	794.00	768.00	742.00	678.00	717.00
3754938.31	546.00	639.00	627.00	727.00	711.00	768.00	747.00	739.00	757.00
3753938.31	777.00	569.00	596.00	581.00	692.00	653.00	745.00	771.00	771.00
3752938.31	811.00	777.00	575.00	529.00	628.00	615.00	625.00	771.00	746.00
3751938.31	811.00	777.00	461.00	460.80	578.00	546.20	592.00	746.00	709.00
3750938.31	811.00	811.00	437.30	433.00	456.70	518.00	713.00	713.00	680.00
3749938.31	811.00	811.00	432.30	428.00	441.00	713.00	713.00	713.00	713.00
3748938.31	811.00	729.00	729.00	432.00	439.00	713.00	713.00	713.00	663.00
3747938.31	804.00	804.00	729.00	437.00	430.60	428.00	713.00	713.00	663.00
3746938.31	810.00	804.00	599.00	436.10	434.50	439.70	433.90	653.00	663.00
3745938.31	810.00	804.00	437.10	439.10	796.00	796.00	438.10	435.60	446.20
3744938.31	810.00	804.00	436.10	796.00	796.00	796.00	796.00	796.00	439.20
3743938.31	810.00	447.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3742938.31	453.00	463.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3741938.31	459.30	477.60	796.00	796.00	796.00	796.00	781.00	796.00	796.00

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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3766938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1641.00	1771.00	1771.00	1771.00
3765938.31	1771.00	1771.00	1677.00	1771.00	1771.00	1677.00	1677.00	1771.00	1771.00
3764938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3763938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3762938.31	1677.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3761938.31	1677.00	1677.00	1677.00	1183.00	1677.00	1677.00	1771.00	1771.00	1771.00
3760938.31	1677.00	1611.00	1677.00	1677.00	1677.00	1771.00	1771.00	1771.00	1677.00
3759938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1771.00	1771.00	1677.00	1333.00
3758938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1677.00	1677.00	1677.00	1058.00
3757938.31	748.00	766.60	1200.00	1200.00	1194.00	836.20	847.10	1058.00	1058.00
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	799.00	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	754.00	772.00	780.00	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	741.00	744.00	859.00	818.00	784.40	793.40	782.90	776.00	774.50
3751938.31	702.00	859.00	869.00	869.00	781.00	816.00	826.50	936.00	936.00
3750938.31	679.00	869.00	799.00	869.00	792.00	773.00	791.00	936.00	936.00
3749938.31	782.00	860.00	774.00	749.00	819.00	819.00	753.00	936.00	936.00
3748938.31	644.00	670.00	716.00	711.00	783.00	783.00	745.00	748.00	726.00
3747938.31	618.00	800.00	800.00	800.00	830.00	830.00	1129.00	1147.00	1147.00
3746938.31	800.00	800.00	800.00	800.00	1147.00	1147.00	1168.00	1168.00	1168.00
3745938.31	800.00	1133.00	1133.00	1147.00	1168.00	1168.00	1168.00	1168.00	1168.00
3744938.31	1129.00	1147.00	1168.00	1168.00	1133.00	1168.00	1168.00	1016.00	1168.00
3743938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1133.00	1168.00	1078.00
3742938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00
3741938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00

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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

484551.7, 484651.7, 484751.7, 484851.7, 484951.7, 485051.7, 485151.7, 485251.7, 485351.7, 485451.7,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.4, 3751034.4, 3751134.4, 3751234.4, 3751334.4, 3751434.4, 3751534.4, 3751634.4, 3751734.4, 3751834.4,
3751934.4, 3752034.4, 3752134.4, 3752234.4, 3752334.4, 3752434.4, 3752534.4, 3752634.4, 3752734.4, 3752834.4,
3752934.4, 3753034.4, 3753134.4, 3753234.4, 3753334.4, 3753434.4, 3753534.4, 3753634.4, 3753734.4, 3753834.4,
3753934.4, 3754034.4, 3754134.4, 3754234.4, 3754334.4, 3754434.4, 3754534.4, 3754634.4,

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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	524.70	525.20	523.10	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	523.30	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	521.50	520.70	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	518.70	518.40	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	516.90	518.10	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	518.10	514.80	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	517.70	512.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	515.80	511.30	512.10	511.60	512.10	508.80	506.80	509.90	509.10
3753834.43	510.50	509.90	507.90	511.00	507.90	508.00	508.50	506.70	502.40
3753734.43	507.90	507.90	506.50	506.80	505.40	503.10	508.40	504.90	503.30
3753634.43	505.40	508.10	501.40	503.70	503.70	503.30	503.20	503.00	502.00
3753534.43	502.40	500.60	501.10	505.00	504.30	501.80	501.10	498.80	499.90
3753434.43	498.20	500.10	501.50	501.30	502.50	501.60	499.50	497.50	498.00
3753334.43	498.80	499.20	497.80	498.20	498.30	499.50	497.40	496.00	496.90
3753234.43	496.80	496.00	496.70	497.80	496.40	495.20	496.20	494.90	496.00
3753134.43	498.10	497.00	494.60	493.00	495.50	495.30	497.10	492.90	491.50
3753034.43	494.30	493.10	494.60	493.00	494.00	492.80	493.70	491.30	491.10
3752934.43	487.60	488.10	490.80	488.60	490.80	489.70	490.10	490.20	488.40
3752834.43	488.90	488.00	489.10	488.80	488.50	487.50	487.80	490.40	486.40
3752734.43	486.30	487.90	485.40	485.50	485.30	487.90	484.30	486.00	484.80
3752634.43	486.90	484.10	487.00	485.90	483.90	490.10	488.80	486.00	483.20
3752534.43	483.40	482.40	478.60	483.50	481.50	482.10	483.90	481.50	482.60
3752434.43	480.00	484.30	482.60	483.00	481.10	477.10	483.10	479.20	483.50
3752334.43	478.40	481.10	480.70	479.00	480.30	479.30	481.40	480.90	483.80
3752234.43	475.80	477.00	481.50	478.90	478.30	472.50	481.10	479.50	483.70
3752134.43	475.40	478.80	479.20	479.80	480.70	479.50	480.70	485.90	491.70
3752034.43	480.20	481.20	476.20	478.10	482.00	478.70	482.40	487.10	493.80
3751934.43	475.60	477.20	479.30	478.60	479.40	482.60	487.80	490.10	497.20
3751834.43	475.90	478.80	480.40	483.60	480.90	486.20	491.70	498.90	506.50
3751734.43	482.60	483.70	490.40	491.10	488.70	490.80	495.50	501.30	512.70
3751634.43	487.30	492.60	492.30	493.50	495.90	493.70	501.30	512.90	527.00
3751534.43	490.70	494.00	501.90	502.10	505.60	504.10	514.20	535.70	561.00
3751434.43	495.40	502.10	507.10	510.40	512.40	522.30	540.90	563.70	601.20
3751334.43	500.20	504.10	509.30	515.40	516.70	531.00	556.50	596.00	635.10
3751234.43	504.80	510.60	515.40	521.50	530.10	547.10	570.50	612.20	650.20
3751134.43	512.40	513.00	516.40	540.90	547.30	559.70	574.00	609.80	636.10
3751034.43	514.10	518.70	538.20	566.60	558.70	570.80	594.70	631.60	660.00
3750934.43	532.10	531.70	564.30	576.10	577.60	587.10	618.00	658.00	693.50

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	516.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	507.50
3753934.43	507.60
3753834.43	504.10
3753734.43	502.70
3753634.43	500.40
3753534.43	500.80
3753434.43	497.40
3753334.43	496.10
3753234.43	494.70
3753134.43	492.30
3753034.43	491.70
3752934.43	485.90
3752834.43	487.20
3752734.43	485.10
3752634.43	485.10
3752534.43	484.10
3752434.43	485.40
3752334.43	484.70
3752234.43	491.00
3752134.43	493.80
3752034.43	502.20
3751934.43	504.90
3751834.43	515.40
3751734.43	523.90
3751634.43	548.80
3751534.43	594.90
3751434.43	642.40
3751334.43	689.90
3751234.43	687.90
3751134.43	679.30
3751034.43	697.10
3750934.43	732.40

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	615.00	527.00	526.00	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	615.00	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	616.00	615.00	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	616.00	615.00	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	616.00	615.00	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	616.00	615.00	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	615.00	615.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	615.00	559.00	512.10	511.60	512.10	508.80	811.00	811.00	811.00
3753834.43	615.00	559.00	507.90	511.00	811.00	811.00	811.00	811.00	811.00
3753734.43	613.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3750934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	520.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	811.00
3753934.43	811.00
3753834.43	811.00
3753734.43	811.00
3753634.43	811.00
3753534.43	811.00
3753434.43	811.00
3753334.43	811.00
3753234.43	811.00
3753134.43	811.00
3753034.43	811.00
3752934.43	811.00
3752834.43	811.00
3752734.43	811.00
3752634.43	811.00
3752534.43	811.00
3752434.43	811.00
3752334.43	811.00
3752234.43	811.00
3752134.43	811.00
3752034.43	811.00
3751934.43	811.00
3751834.43	811.00
3751734.43	811.00
3751634.43	811.00
3751534.43	811.00
3751434.43	811.00
3751334.43	811.00
3751234.43	811.00
3751134.43	811.00
3751034.43	811.00
3750934.43	811.00

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

485549.5, 485649.5, 485749.5, 485849.5,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.9, 3751034.9, 3751134.9, 3751234.9, 3751334.9, 3751434.9, 3751534.9, 3751634.9, 3751734.9, 3751834.9,
3751934.9, 3752034.9, 3752134.9, 3752234.9, 3752334.9, 3752434.9, 3752534.9, 3752634.9, 3752734.9, 3752834.9,
3752934.9, 3753034.9, 3753134.9, 3753234.9, 3753334.9, 3753434.9,

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	497.00	494.70	493.80	492.50
3753334.90	495.20	494.30	494.20	494.90
3753234.90	493.20	495.50	492.40	492.80
3753134.90	490.00	490.70	490.50	489.50
3753034.90	490.20	491.70	489.20	490.10
3752934.90	488.20	488.60	486.50	488.00
3752834.90	489.00	487.30	488.80	488.50
3752734.90	488.90	487.30	487.40	486.30
3752634.90	486.00	486.60	486.90	486.00
3752534.90	486.00	484.20	484.00	486.00
3752434.90	485.70	485.00	488.10	493.30
3752334.90	489.50	491.30	494.00	502.10
3752234.90	493.50	496.70	497.00	506.50
3752134.90	498.50	502.00	503.90	507.60
3752034.90	508.20	508.10	511.20	522.80
3751934.90	513.90	513.00	519.30	532.40
3751834.90	518.10	529.70	538.40	559.00
3751734.90	531.80	533.60	558.40	605.00
3751634.90	557.00	570.60	588.90	622.30
3751534.90	599.00	611.20	626.10	628.30
3751434.90	659.50	664.00	669.40	643.70
3751334.90	702.50	703.50	696.20	663.60
3751234.90	708.30	736.50	713.70	692.00
3751134.90	720.70	748.90	725.50	720.30
3751034.90	744.10	769.60	738.00	734.40
3750934.90	771.00	782.40	753.40	754.20

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	811.00	811.00	811.00	811.00
3753334.90	811.00	811.00	811.00	811.00
3753234.90	811.00	811.00	811.00	811.00
3753134.90	811.00	811.00	811.00	811.00
3753034.90	811.00	811.00	811.00	811.00
3752934.90	811.00	811.00	811.00	811.00
3752834.90	811.00	811.00	811.00	811.00
3752734.90	811.00	811.00	811.00	811.00
3752634.90	811.00	811.00	811.00	811.00
3752534.90	811.00	811.00	811.00	811.00
3752434.90	811.00	811.00	811.00	811.00
3752334.90	811.00	811.00	811.00	811.00
3752234.90	811.00	811.00	811.00	811.00
3752134.90	811.00	811.00	811.00	811.00
3752034.90	811.00	811.00	811.00	811.00
3751934.90	811.00	811.00	811.00	811.00
3751834.90	811.00	811.00	811.00	811.00
3751734.90	811.00	811.00	811.00	811.00
3751634.90	811.00	811.00	811.00	811.00
3751534.90	811.00	811.00	811.00	811.00
3751434.90	811.00	811.00	811.00	811.00
3751334.90	811.00	811.00	811.00	811.00
3751234.90	811.00	811.00	811.00	811.00
3751134.90	811.00	811.00	811.00	811.00
3751034.90	811.00	798.00	811.00	811.00
3750934.90	798.00	798.00	811.00	811.00

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(485619.4, 3753969.7, 505.7, 811.0, 0.0); (485713.0, 3753961.9, 506.6, 811.0, 0.0);
(487190.8, 3754410.3, 509.4, 776.0, 0.0); (487194.8, 3754289.5, 507.2, 777.0, 0.0);
(487268.8, 3754090.6, 503.1, 777.0, 0.0); (487483.3, 3754102.3, 502.0, 777.0, 0.0);

**MODELOPTS: NonDFAULT CONC ELEV

FASTALL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0113327	485553.0	3754938.3	-8.64
L0113328	485553.0	3754938.3	-0.74
L0112877	487190.8	3754410.3	-0.17

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

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1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: RIVR2.SFC Met Version: 11059
Profile file: RIVR2.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 2 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2005 Year: 2005

First 24 hours of scalar data

YR	MO	DY	JDY	HR	HO	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
05	01	01	1	01	-7.5	0.135	-9.000	-9.000	-999.	115.	29.0	0.39	1.00	1.00	1.60	338.	9.1	279.2	5.5
05	01	01	1	02	-2.2	0.057	-9.000	-9.000	-999.	34.	7.4	0.39	1.00	1.00	0.90	264.	9.1	279.2	5.5
05	01	01	1	03	-4.0	0.070	-9.000	-9.000	-999.	42.	7.4	0.39	1.00	1.00	1.10	54.	9.1	278.8	5.5
05	01	01	1	04	-1.6	0.044	-9.000	-9.000	-999.	21.	4.7	0.39	1.00	1.00	0.70	360.	9.1	278.8	5.5
05	01	01	1	05	-2.7	0.063	-9.000	-9.000	-999.	37.	8.2	0.39	1.00	1.00	1.00	318.	9.1	278.1	5.5
05	01	01	1	06	-2.8	0.070	-9.000	-9.000	-999.	42.	10.5	0.39	1.00	1.00	1.10	53.	9.1	277.5	5.5
05	01	01	1	07	-3.8	0.070	-9.000	-9.000	-999.	42.	7.7	0.39	1.00	1.00	1.10	134.	9.1	278.8	5.5
05	01	01	1	08	-2.3	0.057	-9.000	-9.000	-999.	31.	7.0	0.39	1.00	0.53	0.90	319.	9.1	278.8	5.5
05	01	01	1	09	29.7	0.193	0.388	0.005	69.	195.	-21.1	0.39	1.00	0.32	1.20	110.	9.1	282.0	5.5
05	01	01	1	10	78.5	0.248	1.193	0.005	760.	285.	-17.1	0.39	1.00	0.25	1.50	107.	9.1	284.2	5.5
05	01	01	1	11	118.9	0.316	1.511	0.007	1020.	409.	-23.3	0.39	1.00	0.22	2.00	122.	9.1	285.9	5.5
05	01	01	1	12	132.2	0.238	1.665	0.009	1227.	270.	-9.0	0.39	1.00	0.21	1.30	154.	9.1	287.0	5.5
05	01	01	1	13	80.9	0.249	1.421	0.009	1245.	286.	-16.8	0.39	1.00	0.21	1.50	166.	9.1	287.0	5.5
05	01	01	1	14	80.7	0.305	1.427	0.009	1263.	388.	-31.0	0.39	1.00	0.23	2.00	235.	9.1	287.5	5.5
05	01	01	1	15	36.6	0.321	1.098	0.009	1270.	419.	-79.5	0.39	1.00	0.26	2.30	305.	9.1	286.4	5.5
05	01	01	1	16	1.2	0.206	0.354	0.009	1271.	221.	-629.7	0.39	1.00	0.35	1.60	292.	9.1	285.9	5.5
05	01	01	1	17	-11.9	0.181	-9.000	-9.000	-999.	178.	44.1	0.39	1.00	0.63	1.90	280.	9.1	285.4	5.5
05	01	01	1	18	-17.1	0.313	-9.000	-9.000	-999.	404.	158.3	0.39	1.00	1.00	2.70	304.	9.1	284.2	5.5
05	01	01	1	19	-8.7	0.159	-9.000	-9.000	-999.	161.	40.6	0.39	1.00	1.00	1.70	311.	9.1	283.8	5.5
05	01	01	1	20	-3.8	0.070	-9.000	-9.000	-999.	48.	7.8	0.39	1.00	1.00	1.10	13.	9.1	283.1	5.5
05	01	01	1	21	-4.7	0.076	-9.000	-9.000	-999.	48.	8.2	0.39	1.00	1.00	1.20	8.	9.1	282.0	5.5
05	01	01	1	22	-2.1	0.051	-9.000	-9.000	-999.	26.	5.4	0.39	1.00	1.00	0.80	183.	9.1	280.9	5.5
05	01	01	1	23	-2.1	0.051	-9.000	-9.000	-999.	26.	5.4	0.39	1.00	1.00	0.80	16.	9.1	280.4	5.5
05	01	01	1	24	-2.1	0.051	-9.000	-9.000	-999.	26.	5.4	0.39	1.00	1.00	0.80	62.	9.1	279.9	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
05	01	01	01	5.5	0	-999.	-99.00	279.3	99.0	-99.00	-99.00
05	01	01	01	9.1	1	338.	1.60	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113613 , L0113614 , L0113615 , L0113616 ,
L0113617 , L0113618 , L0113619 , L0113620 , L0113621 , L0113622 , L0113623 , L0113624 ,
L0113625 , L0113626 , L0113627 , L0113628 , L0111572 , L0111573 , L0111574 , L0111575 ,
L0111576 , L0111577 , L0111578 , L0111579 , L0111580 , L0111581 , L0111582 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	0.00068	0.00070	0.00072	0.00074	0.00077	0.00078	0.00081	0.00084	0.00087
3766938.31	0.00070	0.00070	0.00072	0.00075	0.00077	0.00079	0.00082	0.00094	0.00090
3765938.31	0.00070	0.00077	0.00074	0.00076	0.00079	0.00080	0.00086	0.00097	0.00093
3764938.31	0.00070	0.00076	0.00078	0.00078	0.00079	0.00082	0.00085	0.00091	0.00095
3763938.31	0.00070	0.00078	0.00075	0.00077	0.00080	0.00083	0.00087	0.00092	0.00098
3762938.31	0.00069	0.00072	0.00075	0.00077	0.00080	0.00085	0.00089	0.00095	0.00101
3761938.31	0.00069	0.00071	0.00074	0.00078	0.00082	0.00086	0.00091	0.00097	0.00104
3760938.31	0.00069	0.00072	0.00075	0.00080	0.00083	0.00087	0.00093	0.00099	0.00107
3759938.31	0.00070	0.00072	0.00079	0.00080	0.00084	0.00089	0.00094	0.00101	0.00109
3758938.31	0.00071	0.00074	0.00078	0.00082	0.00086	0.00090	0.00096	0.00103	0.00110
3757938.31	0.00072	0.00075	0.00079	0.00085	0.00088	0.00092	0.00098	0.00105	0.00114
3756938.31	0.00072	0.00075	0.00079	0.00084	0.00089	0.00096	0.00102	0.00106	0.00116
3755938.31	0.00071	0.00075	0.00079	0.00083	0.00089	0.00097	0.00104	0.00114	0.00118
3754938.31	0.00070	0.00074	0.00078	0.00083	0.00089	0.00098	0.00106	0.00115	0.00125
3753938.31	0.00069	0.00073	0.00077	0.00081	0.00088	0.00096	0.00104	0.00115	0.00125
3752938.31	0.00068	0.00071	0.00076	0.00080	0.00087	0.00095	0.00104	0.00112	0.00120
3751938.31	0.00067	0.00070	0.00073	0.00078	0.00084	0.00091	0.00098	0.00106	0.00113
3750938.31	0.00065	0.00068	0.00072	0.00076	0.00079	0.00086	0.00094	0.00100	0.00106
3749938.31	0.00063	0.00065	0.00070	0.00076	0.00079	0.00082	0.00088	0.00093	0.00096
3748938.31	0.00062	0.00061	0.00066	0.00071	0.00075	0.00079	0.00084	0.00075	0.00088
3747938.31	0.00061	0.00064	0.00063	0.00066	0.00071	0.00066	0.00070	0.00071	0.00086
3746938.31	0.00060	0.00064	0.00066	0.00065	0.00070	0.00074	0.00078	0.00082	0.00087
3745938.31	0.00058	0.00062	0.00064	0.00065	0.00067	0.00071	0.00076	0.00080	0.00082
3744938.31	0.00056	0.00059	0.00061	0.00063	0.00067	0.00071	0.00064	0.00077	0.00079
3743938.31	0.00055	0.00057	0.00060	0.00063	0.00066	0.00069	0.00073	0.00076	0.00080
3742938.31	0.00055	0.00057	0.00061	0.00063	0.00065	0.00066	0.00071	0.00070	0.00063
3741938.31	0.00056	0.00049	0.00046	0.00048	0.00043	0.00050	0.00050	0.00046	0.00059

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113613 , L0113614 , L0113615 , L0113616 ,
L0113617 , L0113618 , L0113619 , L0113620 , L0113621 , L0113622 , L0113623 , L0113624 ,
L0113625 , L0113626 , L0113627 , L0113628 , L0111572 , L0111573 , L0111574 , L0111575 ,
L0111576 , L0111577 , L0111578 , L0111579 , L0111580 , L0111581 , L0111582 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	0.00090	0.00094	0.00098	0.00102	0.00107	0.00112	0.00118	0.00124	0.00132
3766938.31	0.00095	0.00101	0.00105	0.00109	0.00118	0.00125	0.00128	0.00135	0.00142
3765938.31	0.00099	0.00106	0.00120	0.00117	0.00127	0.00138	0.00147	0.00153	0.00162
3764938.31	0.00102	0.00110	0.00094	0.00133	0.00133	0.00148	0.00156	0.00151	0.00174
3763938.31	0.00105	0.00114	0.00129	0.00141	0.00143	0.00153	0.00168	0.00163	0.00146
3762938.31	0.00108	0.00117	0.00128	0.00139	0.00157	0.00162	0.00179	0.00192	0.00197
3761938.31	0.00119	0.00117	0.00121	0.00149	0.00132	0.00104	0.00129	0.00171	0.00219
3760938.31	0.00121	0.00137	0.00113	0.00117	0.00150	0.00143	0.00117	0.00128	0.00189
3759938.31	0.00118	0.00130	0.00106	0.00092	0.00150	0.00184	0.00193	0.00139	0.00208
3758938.31	0.00121	0.00135	0.00094	0.00094	0.00151	0.00197	0.00221	0.00239	0.00240
3757938.31	0.00127	0.00141	0.00158	0.00095	0.00107	0.00199	0.00238	0.00267	0.00285
3756938.31	0.00131	0.00149	0.00163	0.00177	0.00126	0.00205	0.00248	0.00288	0.00329
3755938.31	0.00138	0.00153	0.00164	0.00183	0.00203	0.00227	0.00259	0.00300	0.00353
3754938.31	0.00137	0.00149	0.00163	0.00180	0.00201	0.00229	0.00262	0.00304	0.00360
3753938.31	0.00134	0.00141	0.00156	0.00173	0.00192	0.00218	0.00250	0.00290	0.00343
3752938.31	0.00129	0.00139	0.00150	0.00163	0.00181	0.00203	0.00230	0.00263	0.00308
3751938.31	0.00121	0.00121	0.00140	0.00151	0.00165	0.00183	0.00205	0.00233	0.00270
3750938.31	0.00105	0.00104	0.00125	0.00138	0.00150	0.00165	0.00186	0.00211	0.00245
3749938.31	0.00091	0.00096	0.00110	0.00129	0.00141	0.00155	0.00172	0.00195	0.00223
3748938.31	0.00088	0.00095	0.00107	0.00122	0.00134	0.00147	0.00162	0.00181	0.00203
3747938.31	0.00089	0.00096	0.00105	0.00115	0.00128	0.00139	0.00151	0.00167	0.00186
3746938.31	0.00086	0.00096	0.00104	0.00108	0.00120	0.00131	0.00141	0.00154	0.00171
3745938.31	0.00080	0.00093	0.00100	0.00106	0.00112	0.00123	0.00132	0.00144	0.00159
3744938.31	0.00086	0.00091	0.00096	0.00101	0.00102	0.00116	0.00125	0.00136	0.00151
3743938.31	0.00084	0.00087	0.00092	0.00096	0.00102	0.00111	0.00119	0.00130	0.00146
3742938.31	0.00075	0.00077	0.00081	0.00089	0.00097	0.00106	0.00115	0.00125	0.00141
3741938.31	0.00058	0.00064	0.00070	0.00079	0.00083	0.00086	0.00111	0.00123	0.00137

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113613 , L0113614 , L0113615 , L0113616 ,
L0113617 , L0113618 , L0113619 , L0113620 , L0113621 , L0113622 , L0113623 , L0113624 ,
L0113625 , L0113626 , L0113627 , L0113628 , L0111572 , L0111573 , L0111574 , L0111575 ,
L0111576 , L0111577 , L0111578 , L0111579 , L0111580 , L0111581 , L0111582 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	0.00141	0.00149	0.00159	0.00169	0.00181	0.00193	0.00203	0.00209	0.00208
3766938.31	0.00150	0.00165	0.00174	0.00187	0.00201	0.00215	0.00225	0.00217	0.00213
3765938.31	0.00170	0.00174	0.00196	0.00209	0.00226	0.00241	0.00245	0.00233	0.00217
3764938.31	0.00187	0.00198	0.00206	0.00229	0.00250	0.00263	0.00263	0.00243	0.00224
3763938.31	0.00183	0.00220	0.00238	0.00253	0.00275	0.00304	0.00267	0.00239	0.00231
3762938.31	0.00166	0.00188	0.00267	0.00294	0.00322	0.00346	0.00377	0.00369	0.00332
3761938.31	0.00183	0.00167	0.00265	0.00273	0.00370	0.00410	0.00448	0.00424	0.00407
3760938.31	0.00223	0.00173	0.00189	0.00244	0.00299	0.00406	0.00539	0.00584	0.00592

3759938.31	0.00178	0.00208	0.00216	0.00243	0.00293	0.00420	0.00566	0.00698	0.00711
3758938.31	0.00193	0.00217	0.00277	0.00303	0.00349	0.00453	0.00561	0.00576	0.00688
3757938.31	0.00244	0.00248	0.00299	0.00427	0.00479	0.00663	0.00718	0.00827	0.00860
3756938.31	0.00351	0.00385	0.00395	0.00479	0.00820	0.01013	0.01283	0.01531	0.01493
3755938.31	0.00422	0.00506	0.00629	0.00847	0.01129	0.01677	0.02766	0.04698	0.03808
3754938.31	0.00439	0.00553	0.00716	0.00999	0.01480	0.02562	0.18009	0.28473	0.30312
3753938.31	0.00414	0.00521	0.00682	0.00944	0.01381	0.02577	0.15693	0.25505	0.30743
3752938.31	0.00364	0.00450	0.00573	0.00771	0.01120	0.01920	0.05965	0.11767	0.14670
3751938.31	0.00320	0.00387	0.00483	0.00629	0.00864	0.01382	0.02701	0.02572	0.05085
3750938.31	0.00286	0.00342	0.00412	0.00525	0.00727	0.01047	0.00859	0.01271	0.02625
3749938.31	0.00259	0.00301	0.00373	0.00457	0.00615	0.00767	0.00852	0.01355	0.01949
3748938.31	0.00231	0.00270	0.00321	0.00227	0.00525	0.00717	0.00893	0.01112	0.01328
3747938.31	0.00210	0.00245	0.00190	0.00258	0.00486	0.00590	0.00698	0.00846	0.00883
3746938.31	0.00193	0.00229	0.00283	0.00347	0.00419	0.00491	0.00569	0.00655	0.00776
3745938.31	0.00182	0.00213	0.00257	0.00316	0.00368	0.00419	0.00449	0.00383	0.00606
3744938.31	0.00173	0.00203	0.00240	0.00282	0.00325	0.00365	0.00230	0.00457	0.00503
3743938.31	0.00166	0.00194	0.00225	0.00256	0.00286	0.00174	0.00350	0.00382	0.00430
3742938.31	0.00161	0.00184	0.00210	0.00236	0.00261	0.00280	0.00302	0.00334	0.00371
3741938.31	0.00155	0.00176	0.00196	0.00217	0.00236	0.00250	0.00269	0.00297	0.00328

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113613 , L0113614 , L0113615 , L0113616 ,
L0113617 , L0113618 , L0113619 , L0113620 , L0113621 , L0113622 , L0113623 , L0113624 ,
L0113625 , L0113626 , L0113627 , L0113628 , L0111572 , L0111573 , L0111574 , L0111575 ,
L0111576 , L0111577 , L0111578 , L0111579 , L0111580 , L0111581 , L0111582 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	0.00205	0.00194	0.00163	0.00142	0.00124	0.00100	0.00109	0.00109	0.00099
3766938.31	0.00196	0.00185	0.00158	0.00156	0.00142	0.00132	0.00129	0.00117	0.00102
3765938.31	0.00203	0.00195	0.00205	0.00199	0.00177	0.00156	0.00138	0.00121	0.00111
3764938.31	0.00229	0.00246	0.00240	0.00220	0.00196	0.00165	0.00146	0.00131	0.00122
3763938.31	0.00261	0.00271	0.00287	0.00235	0.00213	0.00184	0.00157	0.00145	0.00141
3762938.31	0.00391	0.00381	0.00314	0.00268	0.00224	0.00194	0.00176	0.00168	0.00159
3761938.31	0.00348	0.00335	0.00298	0.00273	0.00242	0.00216	0.00206	0.00193	0.00185
3760938.31	0.00487	0.00383	0.00359	0.00308	0.00272	0.00269	0.00248	0.00229	0.00207
3759938.31	0.00757	0.00670	0.00503	0.00407	0.00356	0.00333	0.00295	0.00265	0.00231
3758938.31	0.00607	0.00575	0.00588	0.00494	0.00515	0.00416	0.00358	0.00293	0.00261
3757938.31	0.00801	0.00692	0.00645	0.00579	0.00503	0.00485	0.00374	0.00320	0.00285
3756938.31	0.01200	0.01067	0.00913	0.00738	0.00589	0.00514	0.00458	0.00377	0.00329
3755938.31	0.02873	0.01794	0.01324	0.00979	0.00785	0.00624	0.00523	0.00456	0.00383
3754938.31	0.21586	0.04871	0.02522	0.01558	0.01048	0.00864	0.00658	0.00511	0.00429
3753938.31	0.16349	0.20838	0.06315	0.02842	0.01933	0.01206	0.00999	0.00693	0.00499
3752938.31	0.12334	0.09764	0.17593	0.06610	0.03506	0.02038	0.01413	0.00934	0.00575
3751938.31	0.05216	0.04983	0.05191	0.05931	0.03785	0.02356	0.01687	0.01142	0.00691
3750938.31	0.03090	0.03026	0.02983	0.02896	0.02598	0.02195	0.01800	0.01339	0.00803
3749938.31	0.02023	0.02090	0.02050	0.01982	0.01867	0.01694	0.01505	0.00906	0.00831
3748938.31	0.01479	0.01532	0.01530	0.01491	0.01414	0.01300	0.01183	0.01000	0.00648
3747938.31	0.01102	0.01170	0.01194	0.01182	0.01127	0.01050	0.00979	0.00917	0.00859
3746938.31	0.00854	0.00967	0.00959	0.00955	0.00929	0.00889	0.00827	0.00779	0.00743
3745938.31	0.00683	0.00748	0.00785	0.00793	0.00783	0.00754	0.00714	0.00672	0.00643
3744938.31	0.00564	0.00623	0.00655	0.00669	0.00666	0.00651	0.00625	0.00592	0.00564
3743938.31	0.00479	0.00526	0.00559	0.00575	0.00589	0.00580	0.00550	0.00528	0.00504
3742938.31	0.00413	0.00455	0.00488	0.00510	0.00477	0.00284	0.00338	0.00477	0.00459
3741938.31	0.00361	0.00397	0.00430	0.00415	0.00333	0.00265	0.00255	0.00442	0.00419

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113613 , L0113614 , L0113615 , L0113616 ,
L0113617 , L0113618 , L0113619 , L0113620 , L0113621 , L0113622 , L0113623 , L0113624 ,
L0113625 , L0113626 , L0113627 , L0113628 , L0111572 , L0111573 , L0111574 , L0111575 ,
L0111576 , L0111577 , L0111578 , L0111579 , L0111580 , L0111581 , L0111582 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	0.00088	0.00076	0.00070	0.00060	0.00042	0.00030	0.00022	0.00016	0.00011
3766938.31	0.00095	0.00081	0.00070	0.00064	0.00041	0.00014	0.00014	0.00014	0.00014
3765938.31	0.00103	0.00087	0.00051	0.00060	0.00047	0.00020	0.00017	0.00016	0.00020
3764938.31	0.00119	0.00104	0.00094	0.00094	0.00056	0.00035	0.00032	0.00030	0.00022
3763938.31	0.00134	0.00128	0.00122	0.00108	0.00092	0.00058	0.00050	0.00051	0.00037
3762938.31	0.00152	0.00145	0.00125	0.00111	0.00097	0.00083	0.00068	0.00059	0.00051
3761938.31	0.00173	0.00156	0.00133	0.00075	0.00103	0.00085	0.00090	0.00084	0.00066
3760938.31	0.00187	0.00166	0.00143	0.00129	0.00116	0.00111	0.00100	0.00092	0.00080
3759938.31	0.00202	0.00182	0.00164	0.00150	0.00138	0.00125	0.00114	0.00101	0.00094
3758938.31	0.00226	0.00200	0.00179	0.00164	0.00151	0.00141	0.00132	0.00123	0.00108
3757938.31	0.00251	0.00225	0.00204	0.00187	0.00173	0.00159	0.00147	0.00136	0.00125
3756938.31	0.00292	0.00257	0.00228	0.00206	0.00186	0.00169	0.00156	0.00144	0.00134
3755938.31	0.00330	0.00288	0.00254	0.00225	0.00202	0.00184	0.00167	0.00154	0.00142
3754938.31	0.00363	0.00313	0.00273	0.00243	0.00217	0.00196	0.00179	0.00164	0.00152
3753938.31	0.00415	0.00354	0.00306	0.00267	0.00236	0.00212	0.00192	0.00176	0.00162
3752938.31	0.00486	0.00402	0.00346	0.00298	0.00266	0.00237	0.00215	0.00196	0.00179
3751938.31	0.00554	0.00461	0.00375	0.00323	0.00290	0.00256	0.00231	0.00215	0.00198
3750938.31	0.00688	0.00551	0.00420	0.00363	0.00315	0.00277	0.00246	0.00224	0.00200
3749938.31	0.00942	0.00699	0.00484	0.00405	0.00357	0.00306	0.00273	0.00244	0.00220
3748938.31	0.00725	0.00732	0.00540	0.00429	0.00375	0.00344	0.00304	0.00288	0.00250

3747938.31	0.00612	0.00718	0.00504	0.00465	0.00389	0.00327	0.00330	0.00307	0.00298
3746938.31	0.00711	0.00672	0.00411	0.00382	0.00403	0.00356	0.00364	0.00351	0.00311
3745938.31	0.00618	0.00596	0.00533	0.00477	0.00425	0.00436	0.00370	0.00282	0.00251
3744938.31	0.00542	0.00521	0.00504	0.00494	0.00261	0.00260	0.00257	0.00212	0.00214
3743938.31	0.00484	0.00466	0.00451	0.00440	0.00417	0.00225	0.00191	0.00192	0.00172
3742938.31	0.00439	0.00424	0.00411	0.00401	0.00393	0.00321	0.00202	0.00169	0.00143
3741938.31	0.00403	0.00389	0.00377	0.00368	0.00360	0.00355	0.00350	0.00217	0.00159

**MODELOPTs: NonDEFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113613 , L0113614 , L0113615 , L0113616 ,
L0113617 , L0113618 , L0113619 , L0113620 , L0113621 , L0113622 , L0113623 , L0113624 ,
L0113625 , L0113626 , L0113627 , L0113628 , L0111572 , L0111573 , L0111574 , L0111575 ,
L0111576 , L0111577 , L0111578 , L0111579 , L0111580 , L0111581 , L0111582 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	0.02771	0.02999	0.03276	0.03592	0.03967	0.04522	0.05235	0.06298	0.08215
3754534.43	0.02777	0.03008	0.03283	0.03619	0.04042	0.04557	0.05301	0.06391	0.08366
3754434.43	0.02763	0.02997	0.03271	0.03604	0.04026	0.04559	0.05286	0.06382	0.08380
3754334.43	0.02736	0.02969	0.03241	0.03569	0.03984	0.04510	0.05214	0.06278	0.08208
3754234.43	0.02705	0.02931	0.03201	0.03524	0.03926	0.04433	0.05108	0.06096	0.07805
3754134.43	0.02660	0.02892	0.03154	0.03469	0.03858	0.04340	0.04987	0.05907	0.07378
3754034.43	0.02612	0.02846	0.03101	0.03404	0.03778	0.04247	0.04828	0.05727	0.07087
3753934.43	0.02572	0.02795	0.03043	0.03338	0.03700	0.04145	0.04718	0.05560	0.06898
3753834.43	0.02535	0.02741	0.02978	0.03269	0.03614	0.04051	0.04619	0.05399	0.06585
3753734.43	0.02482	0.02683	0.02914	0.03193	0.03527	0.03933	0.04504	0.05255	0.06487
3753634.43	0.02422	0.02624	0.02827	0.03109	0.03437	0.03841	0.04368	0.05109	0.06324
3753534.43	0.02353	0.02532	0.02754	0.03034	0.03349	0.03728	0.04230	0.04914	0.06121
3753434.43	0.02271	0.02461	0.02680	0.02929	0.03239	0.03612	0.04082	0.04744	0.05899
3753334.43	0.02212	0.02387	0.02581	0.02821	0.03109	0.03476	0.03924	0.04561	0.05680
3753234.43	0.02140	0.02301	0.02497	0.02729	0.02993	0.03320	0.03765	0.04362	0.05418
3753134.43	0.02081	0.02236	0.02406	0.02608	0.02881	0.03195	0.03610	0.04120	0.04984
3753034.43	0.02005	0.02148	0.02328	0.02521	0.02765	0.03048	0.03417	0.03871	0.04567
3752934.43	0.01917	0.02059	0.02233	0.02409	0.02645	0.02903	0.03232	0.03647	0.04172
3752834.43	0.01865	0.01994	0.02152	0.02328	0.02534	0.02772	0.03071	0.03463	0.03879
3752734.43	0.01798	0.01932	0.02064	0.02230	0.02421	0.02666	0.02907	0.03250	0.03637
3752634.43	0.01747	0.01855	0.02004	0.02155	0.02323	0.02573	0.02817	0.03093	0.03421
3752534.43	0.01681	0.01789	0.01896	0.02067	0.02221	0.02416	0.02655	0.02898	0.03231
3752434.43	0.01617	0.01741	0.01854	0.01991	0.02134	0.02280	0.02530	0.02733	0.03065
3752334.43	0.01562	0.01673	0.01783	0.01899	0.02048	0.02202	0.02401	0.02612	0.02898
3752234.43	0.01505	0.01603	0.01727	0.01832	0.01959	0.02065	0.02290	0.02470	0.02734
3752134.43	0.01460	0.01561	0.01661	0.01772	0.01897	0.02026	0.02185	0.02393	0.02632
3752034.43	0.01435	0.01522	0.01595	0.01703	0.01833	0.01941	0.02100	0.02285	0.02498
3751934.43	0.01379	0.01463	0.01557	0.01649	0.01756	0.01885	0.02037	0.02193	0.02373
3751834.43	0.01342	0.01426	0.01513	0.01613	0.01701	0.01828	0.01966	0.02107	0.02241
3751734.43	0.01326	0.01400	0.01495	0.01582	0.01669	0.01775	0.01892	0.02017	0.02113
3751634.43	0.01301	0.01379	0.01453	0.01535	0.01622	0.01717	0.01820	0.01900	0.01918
3751534.43	0.01273	0.01342	0.01407	0.01483	0.01559	0.01651	0.01720	0.01675	0.01518
3751434.43	0.01242	0.01300	0.01361	0.01426	0.01496	0.01539	0.01500	0.01368	0.01138
3751334.43	0.01209	0.01264	0.01320	0.01374	0.01439	0.01451	0.01331	0.01074	0.00998
3751234.43	0.01174	0.01224	0.01274	0.01318	0.01348	0.01310	0.01177	0.00975	0.00944
3751134.43	0.01139	0.01190	0.01239	0.01200	0.01219	0.01184	0.01123	0.00958	0.00932
3751034.43	0.01110	0.01152	0.01135	0.01005	0.01114	0.01073	0.00959	0.00874	0.00871
3750934.43	0.01043	0.01090	0.00959	0.00923	0.00957	0.00940	0.00846	0.00814	0.00822

**MODELOPTs: NonDEFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113613 , L0113614 , L0113615 , L0113616 ,
L0113617 , L0113618 , L0113619 , L0113620 , L0113621 , L0113622 , L0113623 , L0113624 ,
L0113625 , L0113626 , L0113627 , L0113628 , L0111572 , L0111573 , L0111574 , L0111575 ,
L0111576 , L0111577 , L0111578 , L0111579 , L0111580 , L0111581 , L0111582 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	0.13639
3754534.43	0.13687
3754434.43	0.14276
3754334.43	0.14116
3754234.43	0.12516
3754134.43	0.11136
3754034.43	0.10305
3753934.43	0.10158
3753834.43	0.09711
3753734.43	0.09543
3753634.43	0.09276
3753534.43	0.09272
3753434.43	0.08810
3753334.43	0.08545
3753234.43	0.08196
3753134.43	0.07416
3753034.43	0.06021
3752934.43	0.04883
3752834.43	0.04480
3752734.43	0.04146
3752634.43	0.03899

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 3752534.43 |       0.03657
 3752434.43 |       0.03455
 3752334.43 |       0.03231
 3752234.43 |       0.03077
 3752134.43 |       0.02893
 3752034.43 |       0.02712
 3751934.43 |       0.02554
 3751834.43 |       0.02349
 3751734.43 |       0.02157
 3751634.43 |       0.01808
 3751534.43 |       0.01284
 3751434.43 |       0.01081
 3751334.43 |       0.01003
 3751234.43 |       0.00962
 3751134.43 |       0.00925
 3751034.43 |       0.00879
 3750934.43 |       0.00835
♀ *** AERMOD - VERSION  12060 ***   *** World Logistics Center -Project-Related  LST Assessment 2017         ***        12/19/12
                                   *** PM2.5 (No Refrigeration)                                                ***        18:00:21
                                                                                                                          PAGE  56
 **MODELOPTs:  NonDFAULT CONC                                                    ELEV
                         FASTALL

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                   INCLUDING SOURCE(S):     PHASE1      , L0113613    , L0113614    , L0113615    , L0113616    ,
                  L0113617    , L0113618    , L0113619    , L0113620    , L0113621    , L0113622    , L0113623    , L0113624    ,
                  L0113625    , L0113626    , L0113627    , L0113628    , L0111572    , L0111573    , L0111574    , L0111575    ,
                  L0111576    , L0111577    , L0111578    , L0111579    , L0111580    , L0111581    , L0111582    ,  . . .      ,

                                   *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                        ** CONC OF PM_2.5   IN MICROGRAMS/M**3                          **

    Y-COORD  |                                                  X-COORD (METERS)
    (METERS) |     485549.47    485649.47    485749.47    485849.47
- - - -
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3765938.3	0.00533 (07121824)	0.00623 (07110224)	0.00649 (07110224)	0.00706 (07110224)	0.00750 (07110224)
3764938.3	0.00533 (07120324)	0.00575 (07121824)	0.00594 (07121824)	0.00621 (07110224)	0.00695 (07110224)
3763938.3	0.00558 (07122824)	0.00609 (07120324)	0.00572 (07120324)	0.00589 (07121824)	0.00612 (07121824)
3762938.3	0.00639 (07122824)	0.00640 (07122824)	0.00625 (07122824)	0.00604 (07120324)	0.00623 (07120324)
3761938.3	0.00623 (07122824)	0.00663 (07122824)	0.00692 (07122824)	0.00709 (07122824)	0.00712 (07122824)
3760938.3	0.00690 (07120324)	0.00688 (07120324)	0.00687 (07120324)	0.00712 (07122824)	0.00760 (07122824)
3759938.3	0.00807 (07120324)	0.00814 (07120324)	0.00861 (07120324)	0.00833 (07120324)	0.00839 (07120324)
3758938.3	0.00845 (07120324)	0.00884 (07120324)	0.00925 (07120324)	0.00960 (07120324)	0.00989 (07120324)
3757938.3	0.00821 (07120324)	0.00865 (07120324)	0.00917 (07120324)	0.00985 (07120324)	0.01028 (07120324)
3756938.3	0.00767 (07120324)	0.00810 (07120324)	0.00858 (07120324)	0.00913 (07120324)	0.00979 (07120324)
3755938.3	0.00700 (07120324)	0.00740 (07120324)	0.00784 (07120324)	0.00833 (07120324)	0.00891 (07120324)
3754938.3	0.00605 (07120324)	0.00638 (07120324)	0.00677 (07120324)	0.00722 (07120324)	0.00772 (07120324)
3753938.3	0.00581 (07012424)	0.00611 (07012424)	0.00647 (07012424)	0.00686 (07012424)	0.00745 (07012424)
3752938.3	0.00607 (07012424)	0.00642 (07012424)	0.00685 (07012424)	0.00731 (07012424)	0.00793 (07012424)
3751938.3	0.00659 (07012424)	0.00690 (07012424)	0.00725 (07012424)	0.00772 (07012424)	0.00829 (07012424)
3750938.3	0.00638 (07012424)	0.00669 (05031924)	0.00726 (05031924)	0.00783 (05031924)	0.00839 (05031924)
3749938.3	0.00725 (05031924)	0.00769 (05031924)	0.00844 (05031924)	0.00924 (05031924)	0.00969 (05031924)
3748938.3	0.00792 (05031924)	0.00780 (05031924)	0.00824 (05031924)	0.00871 (05031924)	0.00900 (05031924)
3747938.3	0.00746 (05031924)	0.00755 (05031924)	0.00709 (05031924)	0.00702 (05031924)	0.00700 (05031924)
3746938.3	0.00616 (05031924)	0.00629 (05110924)	0.00716 (05110924)	0.00782 (05110924)	0.00916 (05110924)
3745938.3	0.00707 (05110924)	0.00815 (05110924)	0.00907 (05110924)	0.00982 (05110924)	0.01061 (05110924)
3744938.3	0.00851 (05110924)	0.00944 (05110924)	0.01007 (05110924)	0.01060 (05110924)	0.01115 (05110924)
3743938.3	0.00919 (05110924)	0.00963 (05110924)	0.01001 (05110924)	0.01024 (05110924)	0.01020 (05110924)
3742938.3	0.00921 (05110924)	0.00935 (05110924)	0.00943 (05110924)	0.00998 (05110924)	0.00968 (05110924)
3741938.3	0.00873 (05110924)	0.00988 (05110924)	0.01145 (05120824)	0.01287 (05120824)	0.01256 (05120824)

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** PM2.5 (No Refrigeration) *** 18:00:21
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113613 , L0113614 , L0113615 , L0113616 ,
L0113617 , L0113618 , L0113619 , L0113620 , L0113621 , L0113622 , L0113623 , L0113624 ,
L0113625 , L0113626 , L0113627 , L0113628 , L0111572 , L0111573 , L0111574 , L0111575 ,
L0111576 , L0111577 , L0111578 , L0111579 , L0111580 , L0111581 , L0111582 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 466553.03	467553.03	468553.03	469553.03	470553.03
3767938.3	0.00733 (07110224)	0.00779 (07110224)	0.00811 (07110224)	0.00814 (07110224)	0.00767 (07110224)
3766938.3	0.00733 (07110224)	0.00767 (07110224)	0.00894 (07110224)	0.00868 (07110224)	0.00896 (07110224)
3765938.3	0.00764 (07110224)	0.00800 (07110224)	0.00896 (07110224)	0.00879 (07110224)	0.00950 (07110224)
3764938.3	0.00758 (07110224)	0.00811 (07110224)	0.00859 (07110224)	0.00889 (07110224)	0.00952 (07110224)
3763938.3	0.00658 (07110224)	0.00755 (07110224)	0.00849 (07110224)	0.00925 (07110224)	0.00988 (07110224)
3762938.3	0.00645 (07121824)	0.00686 (07121824)	0.00735 (07110224)	0.00867 (07110224)	0.00980 (07110224)
3761938.3	0.00698 (07122824)	0.00708 (07120324)	0.00742 (07120324)	0.00797 (07121824)	0.00909 (07121824)
3760938.3	0.00803 (07122824)	0.00830 (07122824)	0.00837 (07122824)	0.00843 (07120324)	0.00935 (07120324)
3759938.3	0.00845 (07120324)	0.00855 (07120324)	0.00903 (07122824)	0.00975 (07122824)	0.01026 (07122824)
3758938.3	0.01013 (07120324)	0.01039 (07120324)	0.01058 (07120324)	0.01083 (07120324)	0.01126 (07120324)
3757938.3	0.01078 (07120324)	0.01145 (07120324)	0.01218 (07120324)	0.01292 (07120324)	0.01404 (07120324)
3756938.3	0.01060 (07120324)	0.01136 (07120324)	0.01199 (07120324)	0.01313 (07120324)	0.01486 (07120324)
3755938.3	0.00980 (07120324)	0.01060 (07120324)	0.01166 (07120324)	0.01219 (07120324)	0.01426 (07120324)
3754938.3	0.00858 (07120324)	0.00926 (07120324)	0.01011 (07120324)	0.01106 (07120324)	0.01209 (07120324)
3753938.3	0.00813 (07012424)	0.00879 (07012424)	0.00985 (05021124)	0.01081 (05021124)	0.01170 (05021124)
3752938.3	0.00873 (07012424)	0.00960 (07012424)	0.01043 (07012424)	0.01135 (05021124)	0.01248 (05021124)
3751938.3	0.00891 (07012424)	0.00954 (07012424)	0.01019 (07012424)	0.01105 (05021124)	0.01250 (05021124)
3750938.3	0.00935 (05031924)	0.01049 (05031924)	0.01129 (05031924)	0.01211 (05031924)	0.01369 (05031924)
3749938.3	0.01007 (05031924)	0.01067 (05031924)	0.01110 (05031924)	0.01172 (05031924)	0.01380 (05031924)
3748938.3	0.00911 (05031924)	0.00929 (05031924)	0.01049 (05031924)	0.00983 (05031924)	0.01022 (05110924)
3747938.3	0.00761 (05031924)	0.00870 (07030824)	0.01117 (05110924)	0.01204 (05110924)	0.01495 (05110924)
3746938.3	0.01057 (05110924)	0.01184 (05110924)	0.01303 (05110924)	0.01411 (05110924)	0.02002 (05110924)
3745938.3	0.01166 (05110924)	0.01256 (05110924)	0.01343 (05110924)	0.01570 (05110924)	0.01593 (05120824)
3744938.3	0.01160 (05110924)	0.01532 (05110924)	0.01301 (05110924)	0.01311 (05110924)	0.01359 (05120824)
3743938.3	0.00993 (05110924)	0.01046 (05120824)	0.01121 (05120824)	0.01155 (05120824)	0.01157 (05120824)
3742938.3	0.01095 (05120824)	0.01050 (05120824)	0.01247 (05120824)	0.01202 (05121124)	0.01077 (05121124)
3741938.3	0.01274 (05120824)	0.00986 (05121124)	0.01080 (06031924)	0.01174 (06031924)	0.01071 (07121524)

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** PM2.5 (No Refrigeration) *** 18:00:21
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113613 , L0113614 , L0113615 , L0113616 ,
L0113617 , L0113618 , L0113619 , L0113620 , L0113621 , L0113622 , L0113623 , L0113624 ,
L0113625 , L0113626 , L0113627 , L0113628 , L0111572 , L0111573 , L0111574 , L0111575 ,
L0111576 , L0111577 , L0111578 , L0111579 , L0111580 , L0111581 , L0111582 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 471553.03	472553.03	473553.03	474553.03	475553.03
3767938.3	0.00784 (05121924)	0.00856 (05121924)	0.00902 (05121924)	0.00917 (05121924)	0.00898 (05121924)
3766938.3	0.00874 (07110224)	0.00879 (05121924)	0.00952 (05121924)	0.01046 (05121924)	0.01080 (05121924)
3765938.3	0.01003 (07110224)	0.01059 (07110224)	0.00969 (05121924)	0.01109 (05121924)	0.01229 (05121924)
3764938.3	0.01045 (07110224)	0.01263 (07110224)	0.01186 (07110224)	0.01099 (05121924)	0.01293 (05121924)
3763938.3	0.01061 (07110224)	0.01213 (07110224)	0.01416 (07110224)	0.01293 (07110224)	0.01265 (05121924)
3762938.3	0.01092 (07110224)	0.01185 (07110224)	0.01296 (07110224)	0.01530 (07110224)	0.01937 (07110224)
3761938.3	0.01312 (07042124)	0.01571 (07110224)	0.01368 (07110224)	0.01954 (07110224)	0.01254 (07110224)
3760938.3	0.01034 (07121824)	0.01652 (05120724)	0.01584 (07042124)	0.01849 (07110224)	0.02089 (07110224)
3759938.3	0.01049 (07122824)	0.01486 (05113024)	0.01208 (05113024)	0.02119 (05120724)	0.01920 (05120724)
3758938.3	0.01198 (07120324)	0.01778 (07122824)	0.01620 (07122824)	0.02293 (07122824)	0.02501 (05113024)
3757938.3	0.01496 (07120324)	0.01501 (07120324)	0.01428 (05121924)	0.01535 (07122824)	0.03039 (07122824)
3756938.3	0.01684 (07120324)	0.01820 (07120324)	0.02079 (07120324)	0.01988 (07120324)	0.03086 (07120324)
3755938.3	0.01606 (07120324)	0.01715 (07120324)	0.01967 (07120324)	0.02547 (07120324)	0.02845 (07120324)
3754938.3	0.01323 (07120324)	0.01450 (07120324)	0.01616 (07120324)	0.01826 (07120324)	0.02131 (07120324)

3753938.3	0.01240 (05021124)	0.01385 (05021124)	0.01540 (05021124)	0.01722 (05021124)	0.01962 (05021124)
3752938.3	0.01354 (05021124)	0.01470 (05021124)	0.01619 (05021124)	0.01822 (05021124)	0.02066 (05021124)
3751938.3	0.01645 (06022724)	0.01481 (05021124)	0.01569 (05021124)	0.01724 (05021124)	0.01919 (05021124)
3750938.3	0.01671 (05031924)	0.01506 (05031924)	0.01477 (05031924)	0.01543 (05021124)	0.01676 (05021124)
3749938.3	0.01365 (05031924)	0.01323 (05031924)	0.01443 (05110924)	0.01776 (05110924)	0.02140 (05110924)
3748938.3	0.01382 (05110924)	0.01566 (05110924)	0.01828 (05110924)	0.02035 (05110924)	0.02153 (05110924)
3747938.3	0.01841 (05110924)	0.02099 (05110924)	0.02191 (05110924)	0.01754 (05110924)	0.01860 (05120824)
3746938.3	0.01813 (05110924)	0.01776 (05110924)	0.02076 (05120824)	0.01980 (05120824)	0.01677 (05120824)
3745938.3	0.01456 (05110924)	0.01579 (05120824)	0.01748 (05120824)	0.01670 (05120824)	0.01303 (05120824)
3744938.3	0.01351 (05120824)	0.01385 (05120824)	0.01322 (05120824)	0.01450 (05040224)	0.01264m(05012424)
3743938.3	0.01155 (05120824)	0.01065 (05120824)	0.01068m(05012424)	0.01230 (05040224)	0.01154m(05012424)
3742938.3	0.01108 (06031924)	0.01217 (05040224)	0.01193 (05040224)	0.01104m(05012424)	0.01138 (06011824)
3741938.3	0.01500 (05040224)	0.01296 (05040224)	0.01154 (06111824)	0.01217 (06011824)	0.01794 (06011824)

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113613 , L0113614 , L0113615 , L0113616 ,
L0113617 , L0113618 , L0113619 , L0113620 , L0113621 , L0113622 , L0113623 , L0113624 ,
L0113625 , L0113626 , L0113627 , L0113628 , L0111572 , L0111573 , L0111574 , L0111575 ,
L0111576 , L0111577 , L0111578 , L0111579 , L0111580 , L0111581 , L0111582 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 476553.03	477553.03	478553.03	479553.03	480553.03
3767938.3	0.00866 (06120724)	0.00895 (06030324)	0.01090 (06030324)	0.01169 (05020424)	0.01412 (05020424)
3766938.3	0.01007 (05121924)	0.00970 (06120724)	0.01084 (06030324)	0.01242 (06030324)	0.01470 (05020424)
3765938.3	0.01259 (05121924)	0.01179 (05121924)	0.01107 (06120724)	0.01344 (06030324)	0.01424 (05020424)
3764938.3	0.01404 (05121924)	0.01677 (05121924)	0.01375 (05121924)	0.01289 (06030324)	0.01586 (06030324)
3763938.3	0.01446 (05121924)	0.01713 (07112624)	0.01549 (07102524)	0.01942 (07030624)	0.01596 (06030324)
3762938.3	0.01481 (05121924)	0.01662 (05121924)	0.01906 (05030424)	0.01683 (07102524)	0.01919 (07030624)
3761938.3	0.01568 (07110224)	0.02160 (07110224)	0.02390 (07020424)	0.02019 (07112624)	0.01635 (07102524)
3760938.3	0.01595 (07110224)	0.01449 (07110224)	0.02301 (07110224)	0.02185 (07020424)	0.01699 (07112624)
3759938.3	0.02275 (07110224)	0.01857 (07110224)	0.02969 (07110224)	0.01971 (07110224)	0.01924 (07110224)
3758938.3	0.02617 (05120724)	0.02663 (05120724)	0.02681 (07110224)	0.02496 (07110224)	0.02609 (07110224)
3757938.3	0.02429 (07122824)	0.02954 (06011224)	0.03288 (05113024)	0.02904 (07121824)	0.02452 (07121824)
3756938.3	0.02609 (07122824)	0.02745 (07122824)	0.04181 (07122824)	0.04611 (07122824)	0.04199 (07122824)
3755938.3	0.02920 (07120324)	0.03270 (07120324)	0.03629 (07120324)	0.05173 (07120324)	0.06169 (07120324)
3754938.3	0.02491 (07120324)	0.02923 (07120324)	0.03473 (07120324)	0.04356 (07120324)	0.06015 (07120324)
3753938.3	0.02248 (05021124)	0.02600 (05021124)	0.03055 (05021124)	0.03650 (05021124)	0.04523 (05021124)
3752938.3	0.02360 (05021124)	0.02720 (05021124)	0.03189 (05021124)	0.03718 (05021124)	0.04521 (05021124)
3751938.3	0.02151 (05021124)	0.02427 (05021124)	0.02759 (05021124)	0.03141 (05110924)	0.04200 (05110924)
3750938.3	0.01997 (05110924)	0.02556 (05110924)	0.03180 (05110924)	0.03661 (05110924)	0.03889 (05110924)
3749938.3	0.02473 (05110924)	0.02737 (05110924)	0.02809 (05110924)	0.03018 (05120824)	0.03175 (05120824)
3748938.3	0.02154 (05110924)	0.02296 (05120824)	0.02434 (05120824)	0.02399 (05120824)	0.02625m(05012424)
3747938.3	0.01969 (05120824)	0.01962 (05120824)	0.01923m(05012424)	0.02080m(05012424)	0.02265 (06011824)
3746938.3	0.01581 (05120824)	0.01626m(05012424)	0.01720m(05012424)	0.01865 (06011824)	0.02177 (06011824)
3745938.3	0.01412m(05012424)	0.01467m(05012424)	0.01594 (06011824)	0.01837 (06011824)	0.01840 (06011824)
3744938.3	0.01281m(05012424)	0.01397 (06011824)	0.01600 (06011824)	0.01630 (06011824)	0.01875 (05011824)
3743938.3	0.01254 (06011824)	0.01424 (06011824)	0.01471 (06011824)	0.01508 (05011824)	0.01844 (05011824)
3742938.3	0.01298 (06011824)	0.01339 (06011824)	0.01253 (06011824)	0.01571 (05011824)	0.01668 (05011824)
3741938.3	0.01304 (06011824)	0.01181 (06011824)	0.01323 (05011824)	0.01513 (05011824)	0.01557 (06101824)

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113613 , L0113614 , L0113615 , L0113616 ,
L0113617 , L0113618 , L0113619 , L0113620 , L0113621 , L0113622 , L0113623 , L0113624 ,
L0113625 , L0113626 , L0113627 , L0113628 , L0111572 , L0111573 , L0111574 , L0111575 ,
L0111576 , L0111577 , L0111578 , L0111579 , L0111580 , L0111581 , L0111582 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 481553.03	482553.03	483553.03	484553.03	485553.03
3767938.3	0.01575 (05020424)	0.01525 (05020424)	0.01393 (06020924)	0.01507 (06020924)	0.01311 (06020924)
3766938.3	0.01708 (05020424)	0.01760 (05020424)	0.01529 (05020424)	0.01689 (06020924)	0.01521 (06020924)
3765938.3	0.01863 (05020424)	0.02024 (05020424)	0.01850 (05020424)	0.02034 (06020924)	0.01969 (06122424)
3764938.3	0.01822 (05020424)	0.02221 (05020424)	0.02252 (05020424)	0.02419 (06020924)	0.02579 (06020924)
3763938.3	0.01913 (05020424)	0.02380 (05020424)	0.02488 (05020424)	0.02604 (06020924)	0.02808 (06020924)
3762938.3	0.02035 (06030324)	0.02730 (05020424)	0.03055 (05020424)	0.02609 (05020424)	0.04009 (06020924)
3761938.3	0.02246 (07030624)	0.02983 (06030324)	0.03782 (05020424)	0.03321 (05020424)	0.03527 (06020924)
3760938.3	0.01601 (05121924)	0.01866 (06030324)	0.02705 (06102124)	0.04576 (07110324)	0.04216 (06020924)
3759938.3	0.01924 (07112624)	0.01859 (05121924)	0.02454 (06030324)	0.03133 (07110324)	0.04723 (05020424)
3758938.3	0.02496 (07110224)	0.02585 (07102524)	0.02331 (07102524)	0.03513 (06030324)	0.05141 (07110324)
3757938.3	0.03658 (07110224)	0.04178 (07110224)	0.03761 (07102524)	0.04464 (07102524)	0.05351 (07110324)
3756938.3	0.04452 (07121824)	0.04781 (07121824)	0.08015 (07110224)	0.07065 (05121924)	0.07657 (07102524)
3755938.3	0.06720 (07122824)	0.08370 (07122824)	0.09201 (07121824)	0.11641 (05121924)	0.16380 (05121924)
3754938.3	0.06901 (07120324)	0.10564 (07120324)	0.15199 (07120324)	0.22830 (07120324)	0.45501 (07120324)
3753938.3	0.05748 (05021124)	0.07620 (05021124)	0.11809 (05021124)	0.17204 (05021124)	0.36928m(05012424)
3752938.3	0.05495 (05021124)	0.06688 (05021124)	0.08473 (05110924)	0.11471 (05121124)	0.20971m(05012424)
3751938.3	0.05213 (05110924)	0.05816 (05110924)	0.06708m(05012424)	0.08623m(05012424)	0.14781 (06022624)
3750938.3	0.04170 (05120824)	0.04682m(05012424)	0.05379m(05012424)	0.07924 (05011824)	0.06295 (06011724)
3749938.3	0.03520m(05012424)	0.04684 (06011824)	0.05423 (06011824)	0.06798 (06101824)	0.06448m(05041224)
3748938.3	0.03773 (06011824)	0.03002 (06011824)	0.05805 (05011824)	0.05042 (06121824)	0.05198m(05041224)
3747938.3	0.03171 (06011824)	0.03007 (05011824)	0.03973 (06101824)	0.04087 (06011724)	0.04004m(05041224)
3746938.3	0.02428 (05011824)	0.02924 (05011824)	0.03145 (06101824)	0.03466 (06011724)	0.03401m(05041224)
3745938.3	0.02337 (05011824)	0.02629 (06101824)	0.02669 (06121824)	0.03004 (06011724)	0.04162 (07102624)
3744938.3	0.02118 (05011824)	0.02276 (06101824)	0.02432 (06011724)	0.02629 (06011724)	0.02982 (07102624)
3743938.3	0.01946 (06101824)	0.01972 (06101824)	0.02473 (06011724)	0.02266m(05041224)	0.02233m(05041224)
3742938.3	0.01769 (06101824)	0.01820 (07121024)	0.02072 (06011724)	0.02001 (06011724)	0.01955m(05041224)

3741938.3	0.01581 (06101824)	0.01718 (06011724)	0.01913 (06011724)	0.01752 (06011724)	0.01755m(05041224)

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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113613 , L0113614 , L0113615 , L0113616 ,
L0113617 , L0113618 , L0113619 , L0113620 , L0113621 , L0113622 , L0113623 , L0113624 ,
L0113625 , L0113626 , L0113627 , L0113628 , L0111572 , L0111573 , L0111574 , L0111575 ,
L0111576 , L0111577 , L0111578 , L0111579 , L0111580 , L0111581 , L0111582 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 486553.03	487553.03	488553.03	489553.03	490553.03
3767938.3	0.01365 (06102824)	0.01498 (06102824)	0.01698 (05122024)	0.01960 (05122024)	0.01472 (07110524)
3766938.3	0.01730 (06112624)	0.01831 (06112624)	0.01591 (05030624)	0.01625 (05122024)	0.01334 (05102324)
3765938.3	0.01910 (06112624)	0.01979 (06112024)	0.01649 (05092624)	0.01516 (05122024)	0.01731 (05102324)
3764938.3	0.01871 (06112624)	0.02040 (06112024)	0.01847 (05122024)	0.01975 (07110524)	0.02022 (06012624)
3763938.3	0.01945 (07090124)	0.02006 (06112024)	0.01956 (05122024)	0.02161 (05102324)	0.02191 (05110724)
3762938.3	0.02738 (06021324)	0.02686 (06112024)	0.03548 (05122024)	0.02858 (05102324)	0.02093 (07062824)
3761938.3	0.03563 (06021324)	0.03004 (06112024)	0.02689 (05122024)	0.02424 (06012624)	0.02053 (07092424)
3760938.3	0.03697 (06102824)	0.04115 (06102824)	0.03482 (05103124)	0.02473 (05112124)	0.02527 (07092424)
3759938.3	0.05654 (06021324)	0.05036 (06091124)	0.04903 (05102324)	0.03779 (07112724)	0.04259 (06100924)
3758938.3	0.04713 (06122424)	0.05208 (06091124)	0.03406 (06110624)	0.03872 (06100924)	0.03660 (07101124)
3757938.3	0.07419 (06020924)	0.06375 (05122024)	0.03883 (05011624)	0.04146 (06100924)	0.03671 (07110724)
3756938.3	0.09506 (07110324)	0.10849 (06021324)	0.06586 (06100924)	0.04944 (07110724)	0.04076 (06100124)
3755938.3	0.23388 (07110324)	0.21282 (06100924)	0.11075 (05102324)	0.08138 (07122024)	0.06011 (07122024)
3754938.3	0.67461 (07120324)	0.65511 (07122024)	0.46794 (05091024)	0.19436 (05091024)	0.10260 (05091024)
3753938.3	0.48562m(05012424)	0.52372 (05030224)	0.29150 (07031824)	0.40827 (05091024)	0.19713 (05091024)
3752938.3	0.26702 (07102624)	0.31899 (05111324)	0.26723 (05030224)	0.19421 (05030224)	0.32691 (06112424)
3751938.3	0.11968 (07102624)	0.19260 (07111824)	0.12289 (06091024)	0.10689 (05030224)	0.10903 (06112324)
3750938.3	0.08490 (07102624)	0.10833 (07111824)	0.09093 (06091024)	0.07288 (06091024)	0.06956 (07010424)
3749938.3	0.07855 (05032624)	0.07429 (07111824)	0.06747 (05111324)	0.06594 (06091024)	0.05351 (05092224)
3748938.3	0.05469m(05041224)	0.05768 (05041424)	0.05358 (07031524)	0.05432 (06091024)	0.04979 (06091024)
3747938.3	0.04348m(05041224)	0.05203 (06030524)	0.04387 (07111824)	0.04393 (07031524)	0.04575 (06091024)
3746938.3	0.04179 (05032624)	0.03316 (05032624)	0.03673 (07111824)	0.04048 (07031524)	0.03915 (06091024)
3745938.3	0.03050 (05101224)	0.02731 (05032624)	0.03126 (07111824)	0.03339 (07031524)	0.03310 (07031524)
3744938.3	0.02480m(05041224)	0.02368 (05032624)	0.02715 (07111824)	0.02823 (07031524)	0.03062 (07031524)
3743938.3	0.02102m(05041224)	0.02088 (05032624)	0.02381 (07111824)	0.02390 (07111824)	0.02783 (07031524)
3742938.3	0.01856m(05041224)	0.01845 (05032624)	0.02080 (07111824)	0.02154 (07111824)	0.02497 (07031524)
3741938.3	0.01662m(05041224)	0.01661 (05032624)	0.01814 (07111824)	0.01948 (07111824)	0.02182 (07031524)

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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113613 , L0113614 , L0113615 , L0113616 ,
L0113617 , L0113618 , L0113619 , L0113620 , L0113621 , L0113622 , L0113623 , L0113624 ,
L0113625 , L0113626 , L0113627 , L0113628 , L0111572 , L0111573 , L0111574 , L0111575 ,
L0111576 , L0111577 , L0111578 , L0111579 , L0111580 , L0111581 , L0111582 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 491553.03	492553.03	493553.03	494553.03	495553.03
3767938.3	0.01197 (06012624)	0.00891 (05112124)	0.00760 (07081924)	0.00901 (07092424)	0.00888 (06100924)
3766938.3	0.01180 (06072424)	0.00983 (07081924)	0.01132 (07092424)	0.00927 (07092424)	0.01220 (06100924)
3765938.3	0.01504 (05112124)	0.01312 (07092424)	0.01333 (07041024)	0.01329 (06100924)	0.01198 (06100924)
3764938.3	0.01462 (07062824)	0.01611 (05072524)	0.01274 (06100924)	0.01453 (06100924)	0.01131 (07081224)
3763938.3	0.01710 (07092424)	0.01567 (07041024)	0.01826 (06100924)	0.01394 (06100924)	0.01189 (07101124)
3762938.3	0.02076 (07041024)	0.02013 (06100924)	0.01714 (06100924)	0.01375 (07101124)	0.01298 (07072024)
3761938.3	0.01915 (06100924)	0.02116 (06100924)	0.01625 (07101124)	0.01630 (07072024)	0.01555 (07072024)
3760938.3	0.02674 (06100924)	0.01960 (07101124)	0.02203 (07072024)	0.01968 (07110724)	0.01760 (07022624)
3759938.3	0.02798 (07101124)	0.02829 (07072024)	0.02520 (07110724)	0.02078 (07022624)	0.01617 (06100124)
3758938.3	0.03582 (07072024)	0.03261 (07110724)	0.02590 (06100124)	0.02356 (06091624)	0.02044 (06091624)
3757938.3	0.03050 (06100124)	0.02689 (06103024)	0.03251 (06091624)	0.02427 (07082824)	0.02174 (07122024)
3756938.3	0.03823 (06103024)	0.03087 (07082824)	0.03155 (07122024)	0.02864 (07122024)	0.02015 (07122024)
3755938.3	0.04063 (05032324)	0.03548 (07122024)	0.02641 (06080124)	0.02474 (05032324)	0.02381 (07071224)
3754938.3	0.06825 (05091024)	0.04994 (05091024)	0.04919 (05091024)	0.04036 (05091024)	0.03274 (05091024)
3753938.3	0.09666 (05102724)	0.08491 (05091024)	0.06242 (05091024)	0.06016 (05091024)	0.04485 (05091024)
3752938.3	0.22652 (07031824)	0.12052 (06033124)	0.08283 (05102724)	0.05891 (06051524)	0.04250 (05091024)
3751938.3	0.16688 (05030224)	0.13124 (07080124)	0.11303 (07031824)	0.08783 (06050324)	0.05778 (07031824)
3750938.3	0.07288 (05030224)	0.07739 (05030224)	0.07740 (05030224)	0.08725 (07080124)	0.07271 (05080524)
3749938.3	0.05037 (05082124)	0.05140 (05030224)	0.05038 (05030224)	0.05195 (07080124)	0.04353 (07080124)
3748938.3	0.04228 (05092224)	0.04074 (06072124)	0.03783 (06072124)	0.03515 (05030224)	0.04193 (05062624)
3747938.3	0.03912 (06091024)	0.03350 (05092224)	0.03270 (06072124)	0.02977 (06072124)	0.02792 (05062624)
3746938.3	0.03791 (06091024)	0.03145 (06091024)	0.02820 (06072124)	0.02702 (07070724)	0.02479 (07070724)
3745938.3	0.03488 (06091024)	0.03134 (06091024)	0.02548 (06091024)	0.02429 (05071124)	0.02338 (07070724)
3744938.3	0.03054 (06091024)	0.03018 (06091024)	0.02568 (06091024)	0.02146 (05071124)	0.02121 (05071124)
3743938.3	0.02582 (07031524)	0.02871 (06091024)	0.02602 (06091024)	0.02106 (06091024)	0.01936 (05071124)
3742938.3	0.02536 (07031524)	0.03741 (06091024)	0.01943 (06091024)	0.02072 (06031324)	0.01749 (06091024)
3741938.3	0.03707 (07031524)	0.02155 (06091024)	0.02246 (06091024)	0.01409 (06091024)	0.01965 (06091024)

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** PM2.5 (No Refrigeration) *** 18:00:21
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113613 , L0113614 , L0113615 , L0113616 ,
L0113617 , L0113618 , L0113619 , L0113620 , L0113621 , L0113622 , L0113623 , L0113624 ,
L0113625 , L0113626 , L0113627 , L0113628 , L0111572 , L0111573 , L0111574 , L0111575 ,
L0111576 , L0111577 , L0111578 , L0111579 , L0111580 , L0111581 , L0111582 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 496553.03	497553.03	498553.03	499553.03	500553.03
3767938.3	0.00970 (06100924)	0.00874 (06100924)	0.00757 (07042224)	0.00638 (07103024)	0.00543 (07051624)
3766938.3	0.00987 (06100924)	0.00887 (07101124)	0.00719 (07101124)	0.00627 (07051624)	0.00638 (05050224)
3765938.3	0.00975 (07081224)	0.00919 (07101124)	0.00724 (07051624)	0.00630 (07040724)	0.00684 (07040724)
3764938.3	0.01038 (07101124)	0.00872 (05110424)	0.01126 (07072024)	0.00766 (07040724)	0.00847 (06071924)
3763938.3	0.01043 (07072024)	0.01339 (07072024)	0.01118 (07110724)	0.01116 (07022624)	0.01006 (07021224)
3762938.3	0.01460 (07072024)	0.01212 (07110724)	0.01296 (07022624)	0.01172 (06100124)	0.00911 (06100124)
3761938.3	0.01344 (07022624)	0.01414 (07022624)	0.01235 (06100124)	0.00988 (06121024)	0.01064 (05040824)
3760938.3	0.01592 (06100124)	0.01232 (06121024)	0.01366 (05040824)	0.01258 (05040824)	0.00952 (05040824)
3759938.3	0.01690 (06103024)	0.01506 (05040824)	0.01235 (07122024)	0.01198 (06041424)	0.01084 (06031124)
3758938.3	0.01791 (07122024)	0.01558 (07122024)	0.01403 (05032324)	0.01398 (05032324)	0.01177 (05032324)
3757938.3	0.01953 (07122024)	0.01581 (07122024)	0.01300 (07122024)	0.01264 (06100724)	0.01211 (06100724)
3756938.3	0.01773 (06080124)	0.01713 (06080124)	0.01425 (06080124)	0.01348 (07071224)	0.01348 (07071224)
3755938.3	0.02036 (07071224)	0.01678 (07071224)	0.01525 (05081524)	0.01447 (06050224)	0.01386 (06050224)
3754938.3	0.02878 (05091024)	0.02480 (05091024)	0.02152 (05091024)	0.01876 (05091024)	0.01695 (05091024)
3753938.3	0.03378 (05091024)	0.02906 (05091024)	0.02538 (05091024)	0.02250 (05091024)	0.02007 (05091024)
3752938.3	0.03131 (05091024)	0.02757 (05091024)	0.02439 (05040424)	0.02167 (05040424)	0.01926 (05040424)
3751938.3	0.03115 (06050324)	0.02664 (05081824)	0.02374 (05081824)	0.02077 (07043024)	0.01841 (07043024)
3750938.3	0.04550 (07031824)	0.03857 (07060124)	0.03043 (07060124)	0.02276 (06050324)	0.01837 (06050324)
3749938.3	0.05135 (07080124)	0.05449 (05080524)	0.04829 (05080524)	0.02778 (07031824)	0.02443 (07060124)
3748938.3	0.03344 (06112324)	0.04357 (07080124)	0.04997 (07080124)	0.03260 (05080524)	0.03288 (05080524)
3747938.3	0.03465 (05062624)	0.03254 (06112324)	0.04019 (07080124)	0.03360 (07080124)	0.03218 (07080124)
3746938.3	0.02392 (05062624)	0.02197 (05030224)	0.02571 (06112324)	0.02210 (05022524)	0.02295 (07080124)
3745938.3	0.02146 (07070724)	0.02077 (05062624)	0.01907 (05062624)	0.02148 (05030224)	0.02510 (05022524)
3744938.3	0.02051 (07070724)	0.01869 (07070724)	0.01812 (05062624)	0.01658 (05062624)	0.01609 (05030224)
3743938.3	0.01860 (05071124)	0.01818 (07070724)	0.01653 (07070724)	0.01610 (05062624)	0.01508 (05062624)
3742938.3	0.01760 (05071124)	0.01646 (07070724)	0.01629 (07070724)	0.01485 (07070724)	0.01458 (05062624)
3741938.3	0.01535 (05071124)	0.01588 (05071124)	0.01500 (07070724)	0.01473 (07070724)	0.01352 (07070724)

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** PM2.5 (No Refrigeration) *** 18:00:21
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113613 , L0113614 , L0113615 , L0113616 ,
L0113617 , L0113618 , L0113619 , L0113620 , L0113621 , L0113622 , L0113623 , L0113624 ,
L0113625 , L0113626 , L0113627 , L0113628 , L0111572 , L0111573 , L0111574 , L0111575 ,
L0111576 , L0111577 , L0111578 , L0111579 , L0111580 , L0111581 , L0111582 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501553.03	502553.03	503553.03	504553.03	505553.03
3767938.3	0.00547 (05050224)	0.00517 (07040724)	0.00237 (07040724)	0.00174 (07080824)	0.00134 (05012624)
3766938.3	0.00602 (07040724)	0.00185 (05012624)	0.00161 (05012624)	0.00204 (05011124)	0.00212 (05011124)
3765938.3	0.00646 (06071924)	0.00268 (05011124)	0.00252 (05011124)	0.00237 (05011124)	0.00274 (07032724)
3764938.3	0.00630 (07110424)	0.00460 (05081224)	0.00368 (06121024)	0.00427 (06121024)	0.00348 (05040824)
3763938.3	0.00924 (06100124)	0.00603 (07022824)	0.00698 (05040824)	0.00813 (05040824)	0.00491 (05040824)
3762938.3	0.00819 (05040824)	0.00984 (05040824)	0.00875 (05040824)	0.00681 (05040824)	0.00636 (06041424)
3761938.3	0.01053 (05040824)	0.00796 (05040824)	0.00815 (06041424)	0.00849 (06041424)	0.00725 (06041424)
3760938.3	0.00993 (06041424)	0.00973 (06041424)	0.00796 (06031124)	0.00895 (05032324)	0.00866 (05032324)
3759938.3	0.01124 (05032324)	0.01093 (05032324)	0.00953 (05032324)	0.00746 (07022324)	0.00683 (07042924)
3758938.3	0.00975 (07122024)	0.00915 (05081424)	0.00942 (06100724)	0.00934 (06100724)	0.00856 (06080124)
3757938.3	0.01185 (06080124)	0.01100 (06080124)	0.00961 (07040424)	0.00867 (07071224)	0.00890 (07071224)
3756938.3	0.01285 (07071224)	0.01182 (07071224)	0.01072 (07071224)	0.00970 (07071224)	0.00886 (07071224)
3755938.3	0.01285 (06050224)	0.01168 (06050224)	0.01054 (06050224)	0.00978 (07041224)	0.00910 (07041224)
3754938.3	0.01522 (05091024)	0.01394 (05091024)	0.01284 (05091024)	0.01205 (05091024)	0.01139 (05091024)
3753938.3	0.01822 (05091024)	0.01675 (05091024)	0.01560 (05091024)	0.01462 (05091024)	0.01380 (05091024)
3752938.3	0.01696 (05040424)	0.01475 (05040424)	0.01271 (05040424)	0.01141 (05072324)	0.01076 (06051324)
3751938.3	0.01669 (05040424)	0.01661 (05040424)	0.01616 (05040424)	0.01538 (05040424)	0.01449 (07032524)
3750938.3	0.01723 (05081824)	0.01646 (05081824)	0.01496 (05081824)	0.01428 (07043024)	0.01335 (07043024)
3749938.3	0.02119 (07060124)	0.01710 (07052124)	0.01607 (07063024)	0.01429 (07063024)	0.01217 (05081824)
3748938.3	0.02464 (05080524)	0.02087 (07060124)	0.01933 (07060124)	0.01812 (07060124)	0.01551 (07071024)
3747938.3	0.02307 (05080524)	0.02516 (05080524)	0.02755 (05080524)	0.01898 (05080524)	0.01938 (07060124)
3746938.3	0.02907 (07080124)	0.02530 (07080124)	0.02191 (05052924)	0.02867 (05080524)	0.02885 (05080524)
3745938.3	0.02820 (05022524)	0.03168 (07080124)	0.02918 (07080124)	0.02046 (07080124)	0.01529 (05052924)
3744938.3	0.01338 (06112324)	0.01541 (05022524)	0.01626 (05022524)	0.01621 (07080124)	0.01667 (07080124)
3743938.3	0.01792 (05062624)	0.01087 (06112324)	0.01068 (05022524)	0.01376 (05022524)	0.01186 (07080124)
3742938.3	0.01397 (05062624)	0.01838 (05062624)	0.01057 (07071324)	0.00883 (05030224)	0.01041 (05022524)
3741938.3	0.01328 (05062624)	0.01292 (05062624)	0.01189 (05062624)	0.01225 (07071324)	0.00845 (05030224)

♀ *** AERMOD - VERSION 12060 *** *** World Logistics Center -Project-Related LST Assessment 2017 *** 12/19/12
*** PM2.5 (No Refrigeration) *** 18:00:21
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113613 , L0113614 , L0113615 , L0113616 ,
L0113617 , L0113618 , L0113619 , L0113620 , L0113621 , L0113622 , L0113623 , L0113624 ,
L0113625 , L0113626 , L0113627 , L0113628 , L0111572 , L0111573 , L0111574 , L0111575 ,
L0111576 , L0111577 , L0111578 , L0111579 , L0111580 , L0111581 , L0111582 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71
3754634.4	0.22481 (07120324)	0.24226 (07120324)	0.25549 (07120324)	0.28307 (07120324)	0.31067 (07120324)
3754534.4	0.20798 (07120324)	0.22480 (07120324)	0.23412 (07120324)	0.25538 (07120324)	0.28393 (07120324)
3754434.4	0.18856 (07120324)	0.20245 (07120324)	0.21747 (07120324)	0.23460 (07120324)	0.25791 (07120324)

3754334.4	0.17534 (07120324)	0.18767 (07120324)	0.20108 (05021124)	0.21823 (05021124)	0.23675 (07120324)
3754234.4	0.17573 (05021124)	0.18887 (05021124)	0.20137 (05021124)	0.21632 (05021124)	0.23321 (05021124)
3754134.4	0.17842 (05021124)	0.18520 (05021124)	0.19792 (05021124)	0.21044 (05021124)	0.22440 (05021124)
3754034.4	0.17721 (05021124)	0.18066 (05021124)	0.19159 (05021124)	0.20359 (05021124)	0.21740 (05021124)
3753934.4	0.17201 (05021124)	0.17686 (05021124)	0.18707 (05021124)	0.19775 (05021124)	0.21008 (05021124)
3753834.4	0.16393 (05021124)	0.17193 (05021124)	0.18021 (05021124)	0.19101 (05021124)	0.20037 (05021124)
3753734.4	0.15882 (05021124)	0.16630 (05021124)	0.17395 (05021124)	0.18282 (05021124)	0.19271 (05022224)
3753634.4	0.15357 (05021124)	0.16146 (05021124)	0.16674 (05021124)	0.17796 (05022224)	0.19089 (05022224)
3753534.4	0.14813 (05021124)	0.15381 (05021124)	0.16153 (05022224)	0.17522 (05022224)	0.18711 (05022224)
3753434.4	0.14152 (05021124)	0.14828 (05021124)	0.15680 (05022224)	0.16658 (05022224)	0.17833 (05022224)
3753334.4	0.13642 (05021124)	0.14231 (05021124)	0.14872 (05022224)	0.15790 (05022224)	0.16798 (05022224)
3753234.4	0.12971 (05021124)	0.13454 (05022224)	0.14227 (05022224)	0.15080 (05022224)	0.15930 (05022224)
3753134.4	0.12467 (05021124)	0.12940 (05022224)	0.13528 (05022224)	0.14143 (05022224)	0.15055 (05022224)
3753034.4	0.11907 (05121124)	0.12308 (05121124)	0.12927 (05022224)	0.13553 (05020324)	0.14505 (05020324)
3752934.4	0.11455 (05121124)	0.11789 (05121124)	0.12428m(05012424)	0.13078m(05012424)	0.13913m(05012424)
3752834.4	0.11066 (05121124)	0.11587m(05012424)	0.12219m(05012424)	0.12846m(05012424)	0.13505m(05012424)
3752734.4	0.10869m(05012424)	0.11428m(05012424)	0.11886m(05012424)	0.12436m(05012424)	0.12988m(05012424)
3752634.4	0.10737m(05012424)	0.11114m(05012424)	0.11655m(05012424)	0.12092m(05012424)	0.12497m(05012424)
3752534.4	0.10455m(05012424)	0.10817m(05012424)	0.11090m(05012424)	0.11631m(05012424)	0.11963m(05012424)
3752434.4	0.10143m(05012424)	0.10586m(05012424)	0.10877m(05012424)	0.11218m(05012424)	0.11500m(05012424)
3752334.4	0.09857m(05012424)	0.10209m(05012424)	0.10478m(05012424)	0.10706m(05012424)	0.11027m(05012424)
3752234.4	0.09530m(05012424)	0.09796m(05012424)	0.10137m(05012424)	0.10302m(05012424)	0.10538 (06111124)
3752134.4	0.09239m(05012424)	0.09512m(05012424)	0.09709m(05012424)	0.09911m(05012424)	0.10363 (06111124)
3752034.4	0.09033m(05012424)	0.09209m(05012424)	0.09250m(05012424)	0.09624 (06111124)	0.10120 (06111124)
3751934.4	0.08608m(05012424)	0.08755m(05012424)	0.09065 (06111124)	0.09395 (06111124)	0.09752 (06111124)
3751834.4	0.08258m(05012424)	0.08523 (06111124)	0.08869 (06111124)	0.09229 (06111124)	0.09561 (05011824)
3751734.4	0.08135 (05020124)	0.08424 (05020124)	0.08810 (05020124)	0.09222 (05011824)	0.09610 (05011824)
3751634.4	0.08036 (05020124)	0.08341 (05020124)	0.08661 (05011824)	0.09098 (05011824)	0.09617 (05011824)
3751534.4	0.07872 (05020124)	0.08156 (05011824)	0.08654 (05020124)	0.09146 (05011824)	0.09655 (05011824)
3751434.4	0.07787 (05020124)	0.08204 (05020124)	0.08479 (05011824)	0.08914 (05011824)	0.09344 (05011824)
3751334.4	0.07712 (05020124)	0.08020 (05011824)	0.08398 (05011824)	0.08751 (05011824)	0.09170 (05011824)
3751234.4	0.07614 (06011824)	0.07931 (06011824)	0.08259 (05011824)	0.08972 (05011824)	0.09541 (06101824)
3751134.4	0.07645 (06011824)	0.07812 (05011824)	0.08240 (05011824)	0.09269 (05011824)	0.09479 (06101824)
3751034.4	0.07401 (06011824)	0.07860 (05011824)	0.08824 (05011824)	0.08199 (05011824)	0.08972 (06101824)
3750934.4	0.07937 (05011824)	0.08340 (05011824)	0.08156 (05011824)	0.07516 (06101824)	0.07808 (06101824)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113613 , L0113614 , L0113615 , L0113616 ,
L0113617 , L0113618 , L0113619 , L0113620 , L0113621 , L0113622 , L0113623 , L0113624 ,
L0113625 , L0113626 , L0113627 , L0113628 , L0111572 , L0111573 , L0111574 , L0111575 ,
L0111576 , L0111577 , L0111578 , L0111579 , L0111580 , L0111581 , L0111582 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485051.71	485151.71	485251.71	485351.71	485451.71
3754634.4	0.33391 (07120324)	0.36339 (07120324)	0.39651 (07120324)	0.46900 (07120324)	0.62412 (07120324)
3754534.4	0.31879 (07120324)	0.34827 (07120324)	0.39512 (07120324)	0.45900 (07120324)	0.59599 (07120324)
3754434.4	0.28199 (07120324)	0.31345 (07120324)	0.35604 (07120324)	0.42645 (07120324)	0.59611 (07120324)
3754334.4	0.25921 (07120324)	0.28568 (07120324)	0.32275 (07120324)	0.38689 (07120324)	0.55357 (07120324)
3754234.4	0.25491 (05021124)	0.27367 (05021124)	0.30666 (05021124)	0.35371 (05021124)	0.45198 (05021124)
3754134.4	0.24197 (05021124)	0.26446 (05021124)	0.29446 (05021124)	0.32499 (05021124)	0.39616 (05021124)
3754034.4	0.23324 (05021124)	0.24948 (05021124)	0.27599 (05021124)	0.30250 (05021124)	0.37117 (05022224)
3753934.4	0.22212 (05021124)	0.23660 (05021124)	0.25762 (05022224)	0.29457 (05022224)	0.36994 (05022224)
3753834.4	0.21198 (05021124)	0.22923 (05022224)	0.25251 (05022224)	0.28068 (05022224)	0.35226 (05022224)
3753734.4	0.20672 (05022224)	0.22734 (05022224)	0.24881 (05022224)	0.27967 (05022224)	0.34609 (05022224)
3753634.4	0.20533 (05022224)	0.22254 (05022224)	0.24405 (05022224)	0.27435 (05022224)	0.33536 (05022224)
3753534.4	0.19896 (05022224)	0.21453 (05022224)	0.23164 (05022224)	0.26340 (05022224)	0.33652 (05022224)
3753434.4	0.19050 (05022224)	0.20356 (05022224)	0.22059 (05022224)	0.24965 (05022224)	0.31211 (05022224)
3753334.4	0.18001 (05022224)	0.19236 (05022224)	0.20892 (05022224)	0.23642 (05022224)	0.29631 (05022224)
3753234.4	0.16877 (05022224)	0.18178 (05022224)	0.19698 (05022224)	0.22323 (05022224)	0.28334 (05022224)
3753134.4	0.16011 (05020324)	0.17537 (05020324)	0.18952 (05020324)	0.21351 (05020324)	0.27177 (05020324)
3753034.4	0.15455 (05020324)	0.16776 (05020324)	0.18136 (05020324)	0.20269 (05020324)	0.23627 (05020324)
3752934.4	0.14707 (05020324)	0.15812 (05020324)	0.17100 (05020324)	0.18381 (05020324)	0.19369 (05020324)
3752834.4	0.14167m(05012424)	0.14984 (05020324)	0.16209 (05020324)	0.17080 (05020324)	0.18200 (05020324)
3752734.4	0.13664m(05012424)	0.14189 (05020324)	0.15213 (05020324)	0.16138 (05020324)	0.17172 (05020324)
3752634.4	0.13174m(05012424)	0.13847 (05020324)	0.14589 (05020324)	0.15351 (05020324)	0.16449 (05020324)
3752534.4	0.12406m(05012424)	0.13132 (05020324)	0.13803 (05020324)	0.14702 (05020324)	0.15741 (05020324)
3752434.4	0.11722m(05012424)	0.12610 (05020324)	0.13147 (05020324)	0.14162 (05020324)	0.15193 (05020324)
3752334.4	0.11353 (06111124)	0.12033 (05020324)	0.12676 (06111124)	0.13587 (06111124)	0.14581 (05011824)
3752234.4	0.10828 (06111124)	0.11680 (06111124)	0.12221 (06111124)	0.13149 (05011824)	0.14417 (06022624)
3752134.4	0.10778 (06111124)	0.11299 (06111124)	0.12144 (05011824)	0.13069 (06022624)	0.14261 (06022624)
3752034.4	0.10424 (06111124)	0.11073 (05011824)	0.11847 (06022624)	0.12925 (06022624)	0.14516 (06022624)
3751934.4	0.10301 (05011824)	0.10987 (05011824)	0.11735 (06022624)	0.12941 (06022624)	0.14156 (06022624)
3751834.4	0.10193 (05011824)	0.10820 (06022624)	0.11867 (06022624)	0.12756 (06022624)	0.13272 (06101824)
3751734.4	0.10063 (05011824)	0.10776 (06022624)	0.11711 (06022624)	0.12375 (06101824)	0.13157 (06101824)
3751634.4	0.09881 (05011824)	0.10827 (05011824)	0.11440 (06101824)	0.12291 (06101824)	0.12290 (06101824)
3751534.4	0.10186 (05011824)	0.10579 (06101824)	0.11396 (06101824)	0.10978 (06101824)	0.08845 (06101824)
3751434.4	0.10084 (06101824)	0.10754 (06101824)	0.10268 (06101824)	0.08310 (06101824)	0.07689 (06121824)
3751334.4	0.10130 (06101824)	0.10188 (06101824)	0.08141 (06101824)	0.07473 (06101824)	0.07340 (06121824)
3751234.4	0.10026 (06101824)	0.09158 (06101824)	0.07435 (06101824)	0.07033 (06101824)	0.06875 (06121824)
3751134.4	0.09381 (06101824)	0.08729 (06101824)	0.07177 (06101824)	0.06629 (06121824)	0.06404 (06121824)
3751034.4	0.08575 (06101824)	0.07407 (06101824)	0.06582 (06101824)	0.06272 (06121824)	0.06023 (07121024)
3750934.4	0.07484 (06101824)	0.06560 (06101824)	0.06140 (06101824)	0.05906 (06121824)	0.05793 (06011724)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0113613 , L0113614 , L0113615 , L0113616 ,
L0113617 , L0113618 , L0113619 , L0113620 , L0113621 , L0113622 , L0113623 , L0113624 ,
L0113625 , L0113626 , L0113627 , L0113628 , L0111572 , L0111573 , L0111574 , L0111575 ,
L0111576 , L0111577 , L0111578 , L0111579 , L0111580 , L0111581 , L0111582 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

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                                   ** CONC OF PM_2.5   IN MICROGRAMS/M**3                          **

 Y-COORD  |                                          X-COORD (METERS)
 (METERS) |       485549.47              485649.47              485749.47              485849.47
- - - -
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```
**MODELOPTs:  NonDFAULT CONC                                          ELEV
                        FASTALL

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of           0 Fatal Error Message(s)
A Total of         189 Warning Message(s)
A Total of         117 Informational Message(s)

A Total of       26280 Hours Were Processed

A Total of           0 Calm Hours Identified

A Total of         117 Missing Hours Identified (  0.45 Percent)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
SO W320    1322  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1323  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1324  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1325  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1326  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1327  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1328  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1329  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1330  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1430  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1431  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1432  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1433  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1434  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1435  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1436  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1437  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1438  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1439  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1440  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1441  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1442  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1443  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1444  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1445  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1446  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1447  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1467  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1468  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1469  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1470  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1471  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1472  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1473  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1474  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1475  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1476  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1477  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1478  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1479  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1480  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1481  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1482  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1485  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1486  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1487  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1488  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1489  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1490  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1491  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1492  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1493  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1494  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1495  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1496  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1497  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1500  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1501  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1502  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1503  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1504  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1505  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1506  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1507  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1508  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1509  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1510  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1511  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1512  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1513  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1514  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1515  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1516  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1517  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1518  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1519  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1520  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1521  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
SO W320    1522  VPARM:Input Parameter May Be Out-of-Range for Parameter          QS
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SO W320    1523  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1524  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1525  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1550  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1551  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1552  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1663  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1664  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1691  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1692  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1693  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1697  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1698  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1699  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1700  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1701  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1702  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1703  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1704  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1705  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1711  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1712  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1713  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1714  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1715  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1716  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1717  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1718  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1719  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1720  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1721  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
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SO W320    1722  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1723  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
SO W320    1724  VPARM:Input Parameter May Be Out-of-Range for Parameter            QS
ME W530    1972 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

   ************************************
   *** AERMOD Finishes Successfully ***
   ************************************
```

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 8.0.7
** Lakes Environmental Software Inc.
** Date: 12/19/2012
** File: C:\MBA\Highland Fairview REV3 - All Sources\AERMOD-REV3\LST-AERMOD-2022\LST_CO_REV3_NR_REV1\LST_CO_REV3_NR_REV1.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE WLC Project-Related Operations - 2022
   TITLETWO CO - LST Assessment (No Refrigeration)
   MODELOPT CONC  FASTALL
   AVERTIME 1 8
   URBANOPT 2000000
   POLLUTID CO
   RUNORNOT RUN
   ERRORFIL LST_CO_REV3_NR_REV1.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION PHASE1       AREAPOLY   485577.456  3755020.364      527.630
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT01
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.0937
** Elevated
** Vertical Dimension = 1.70
** SZINIT = 0.40
** Nodes = 2
** 487123.57, 3755422.68, 541.00, 1.70, 27.35
** 487123.57, 3755095.72, 532.00, 1.70, 27.35
** ---------------------------------------------------------------------
   LOCATION L0112381     VOLUME   487123.570 3755406.219 540.55
   LOCATION L0112382     VOLUME   487123.570 3755347.411 538.93
   LOCATION L0112383     VOLUME   487123.570 3755288.602 537.31
   LOCATION L0112384     VOLUME   487123.570 3755229.793 535.69
   LOCATION L0112385     VOLUME   487123.570 3755170.984 534.07
   LOCATION L0112386     VOLUME   487123.570 3755112.176 532.45
** End of LINE VOLUME Source ID = SEGMENT01
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT02
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.316
** Elevated
** Vertical Dimension = 1.90
** SZINIT = 0.44
** Nodes = 2
** 487126.15, 3755058.81, 532.00, 1.90, 30.03
** 487128.77, 3754444.85, 508.00, 1.90, 30.03
** ---------------------------------------------------------------------
   LOCATION L0112387     VOLUME   487126.220 3755042.351 531.36
   LOCATION L0112388     VOLUME   487126.496 3754977.791 528.83
   LOCATION L0112389     VOLUME   487126.772 3754913.230 526.31
   LOCATION L0112390     VOLUME   487127.048 3754848.670 523.79
   LOCATION L0112391     VOLUME   487127.324 3754784.110 521.26
   LOCATION L0112392     VOLUME   487127.600 3754719.550 518.74
   LOCATION L0112393     VOLUME   487127.876 3754654.990 516.21
   LOCATION L0112394     VOLUME   487128.151 3754590.429 513.69
   LOCATION L0112395     VOLUME   487128.427 3754525.869 511.17
   LOCATION L0112396     VOLUME   487128.703 3754461.309 508.64
** End of LINE VOLUME Source ID = SEGMENT02
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT03
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.232
** Elevated
** Vertical Dimension = 1.90
** SZINIT = 0.44
** Nodes = 4
** 487123.53, 3754444.85, 511.00, 1.90, 18.01
** 486186.84, 3754452.72, 516.00, 1.90, 18.01
** 486042.53, 3754366.14, 509.00, 1.90, 18.01
** 486008.42, 3754297.92, 511.00, 1.90, 18.01
** ---------------------------------------------------------------------
   LOCATION L0111700     VOLUME   487113.771 3754444.931 507.75
   LOCATION L0111701     VOLUME   487075.047 3754445.256 511.34
   LOCATION L0111702     VOLUME   487036.323 3754445.582 512.10
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   LOCATION L0111703     VOLUME   486997.599 3754445.907 512.15
   LOCATION L0111704     VOLUME   486958.875 3754446.233 513.24
   LOCATION L0111705     VOLUME   486920.150 3754446.558 514.00
   LOCATION L0111706     VOLUME   486881.426 3754446.884 514.76
   LOCATION L0111707     VOLUME   486842.702 3754447.209 515.93
   LOCATION L0111708     VOLUME   486803.978 3754447.534 515.40
   LOCATION L0111709     VOLUME   486765.253 3754447.860 516.13
   LOCATION L0111710     VOLUME   486726.529 3754448.185 515.70
   LOCATION L0111711     VOLUME   486687.805 3754448.511 514.26
   LOCATION L0111712     VOLUME   486649.081 3754448.836 514.26
   LOCATION L0111713     VOLUME   486610.357 3754449.161 514.89
   LOCATION L0111714     VOLUME   486571.632 3754449.487 515.30
   LOCATION L0111715     VOLUME   486532.908 3754449.812 514.65
   LOCATION L0111716     VOLUME   486494.184 3754450.138 515.02
   LOCATION L0111717     VOLUME   486455.460 3754450.463 514.53
   LOCATION L0111718     VOLUME   486416.735 3754450.788 513.36
   LOCATION L0111719     VOLUME   486378.011 3754451.114 513.37
   LOCATION L0111720     VOLUME   486339.287 3754451.439 514.07
   LOCATION L0111721     VOLUME   486300.563 3754451.765 514.99
   LOCATION L0111722     VOLUME   486261.839 3754452.090 516.27
   LOCATION L0111723     VOLUME   486223.114 3754452.416 516.77
   LOCATION L0111724     VOLUME   486184.739 3754451.459 514.93
   LOCATION L0111725     VOLUME   486151.532 3754431.535 512.54
   LOCATION L0111726     VOLUME   486118.325 3754411.611 510.16
   LOCATION L0111727     VOLUME   486085.119 3754391.687 509.33
   LOCATION L0111728     VOLUME   486051.912 3754371.763 509.00
   LOCATION L0111729     VOLUME   486030.106 3754341.280 509.29
   LOCATION L0111730     VOLUME   486012.788 3754306.643 509.94
** End of LINE VOLUME Source ID = SEGMENT03
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT04
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0648
** Elevated
** Vertical Dimension = 1.20
** SZINIT = 0.28
** Nodes = 3
** 486005.80, 3754303.17, 511.00, 1.20, 17.72
** 485997.93, 3753510.79, 496.00, 1.20, 17.72
** 486071.40, 3753390.09, 494.00, 1.20, 17.72
** ----------------------------------------------------------------------
   LOCATION L0111731     VOLUME   486005.704 3754293.411 510.63
   LOCATION L0111732     VOLUME   486005.326 3754255.321 509.54
   LOCATION L0111733     VOLUME   486004.948 3754217.231 507.64
   LOCATION L0111734     VOLUME   486004.569 3754179.142 507.85
   LOCATION L0111735     VOLUME   486004.191 3754141.052 508.00
   LOCATION L0111736     VOLUME   486003.812 3754102.962 506.84
   LOCATION L0111737     VOLUME   486003.434 3754064.872 506.32
   LOCATION L0111738     VOLUME   486003.056 3754026.782 505.20
   LOCATION L0111739     VOLUME   486002.677 3753988.692 504.96
   LOCATION L0111740     VOLUME   486002.299 3753950.603 504.05
   LOCATION L0111741     VOLUME   486001.921 3753912.513 503.42
   LOCATION L0111742     VOLUME   486001.542 3753874.423 502.15
   LOCATION L0111743     VOLUME   486001.164 3753836.333 500.88
   LOCATION L0111744     VOLUME   486000.785 3753798.243 499.60
   LOCATION L0111745     VOLUME   486000.407 3753760.153 499.65
   LOCATION L0111746     VOLUME   486000.029 3753722.064 501.86
   LOCATION L0111747     VOLUME   485999.650 3753683.974 501.59
   LOCATION L0111748     VOLUME   485999.272 3753645.884 499.01
   LOCATION L0111749     VOLUME   485998.894 3753607.794 496.47
   LOCATION L0111750     VOLUME   485998.515 3753569.704 495.96
   LOCATION L0111751     VOLUME   485998.137 3753531.614 496.53
   LOCATION L0111752     VOLUME   486006.906 3753496.041 495.32
   LOCATION L0111753     VOLUME   486026.712 3753463.503 492.84
   LOCATION L0111754     VOLUME   486046.518 3753430.965 491.43
   LOCATION L0111755     VOLUME   486066.323 3753398.427 492.30
** End of LINE VOLUME Source ID = SEGMENT04
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT05
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.154
** Elevated
** Vertical Dimension = 1.10
** SZINIT = 0.26
** Nodes = 4
** 486071.40, 3753390.09, 494.00, 1.10, 24.05
** 486147.48, 3753361.23, 495.00, 1.10, 24.05
** 486743.08, 3753353.36, 496.00, 1.10, 24.05
** 487118.28, 3753274.65, 490.00, 1.10, 24.05
** ----------------------------------------------------------------------
   LOCATION L0112397     VOLUME   486083.649 3753385.447 494.16
   LOCATION L0112398     VOLUME   486131.996 3753367.108 494.80
   LOCATION L0112399     VOLUME   486182.626 3753360.769 495.06
   LOCATION L0112400     VOLUME   486234.330 3753360.085 495.15
   LOCATION L0112401     VOLUME   486286.035 3753359.402 495.23
   LOCATION L0112402     VOLUME   486337.740 3753358.719 495.32
   LOCATION L0112403     VOLUME   486389.444 3753358.035 495.41
   LOCATION L0112404     VOLUME   486441.149 3753357.352 495.49
   LOCATION L0112405     VOLUME   486492.853 3753356.669 495.58
   LOCATION L0112406     VOLUME   486544.558 3753355.985 495.67
   LOCATION L0112407     VOLUME   486596.263 3753355.302 495.75
   LOCATION L0112408     VOLUME   486647.967 3753354.619 495.84
   LOCATION L0112409     VOLUME   486699.672 3753353.936 495.93
   LOCATION L0112410     VOLUME   486751.201 3753351.658 495.87
   LOCATION L0112411     VOLUME   486801.808 3753341.041 495.06
   LOCATION L0112412     VOLUME   486852.415 3753330.424 494.25
   LOCATION L0112413     VOLUME   486903.023 3753319.807 493.44
   LOCATION L0112414     VOLUME   486953.630 3753309.190 492.63
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   LOCATION L0112415     VOLUME   487004.238 3753298.573 491.82
   LOCATION L0112416     VOLUME   487054.845 3753287.956 491.01
   LOCATION L0112417     VOLUME   487105.453 3753277.340 490.21
** End of LINE VOLUME Source ID = SEGMENT05
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT06
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.243
** Elevated
** Vertical Dimension = 1.80
** SZINIT = 0.42
** Nodes = 2
** 487123.53, 3754450.10, 512.00, 1.80, 29.19
** 487105.16, 3753287.77, 490.00, 1.80, 29.19
** ---------------------------------------------------------------------
   LOCATION L0112418     VOLUME   487123.266 3754433.639 511.69
   LOCATION L0112419     VOLUME   487122.275 3754370.893 510.50
   LOCATION L0112420     VOLUME   487121.283 3754308.148 509.31
   LOCATION L0112421     VOLUME   487120.292 3754245.403 508.13
   LOCATION L0112422     VOLUME   487119.300 3754182.658 506.94
   LOCATION L0112423     VOLUME   487118.309 3754119.913 505.75
   LOCATION L0112424     VOLUME   487117.317 3754057.168 504.56
   LOCATION L0112425     VOLUME   487116.326 3753994.422 503.38
   LOCATION L0112426     VOLUME   487115.334 3753931.677 502.19
   LOCATION L0112427     VOLUME   487114.343 3753868.932 501.00
   LOCATION L0112428     VOLUME   487113.351 3753806.187 499.81
   LOCATION L0112429     VOLUME   487112.360 3753743.442 498.62
   LOCATION L0112430     VOLUME   487111.369 3753680.697 497.44
   LOCATION L0112431     VOLUME   487110.377 3753617.951 496.25
   LOCATION L0112432     VOLUME   487109.386 3753555.206 495.06
   LOCATION L0112433     VOLUME   487108.394 3753492.461 493.87
   LOCATION L0112434     VOLUME   487107.403 3753429.716 492.69
   LOCATION L0112435     VOLUME   487106.411 3753366.971 491.50
   LOCATION L0112436     VOLUME   487105.420 3753304.226 490.31
** End of LINE VOLUME Source ID = SEGMENT06
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT07
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.0345
** Elevated
** Vertical Dimension = 1.70
** SZINIT = 0.40
** Nodes = 2
** 487102.54, 3753300.89, 489.00, 1.70, 29.21
** 487105.16, 3752765.64, 483.00, 1.70, 29.21
** ---------------------------------------------------------------------
   LOCATION L0111796     VOLUME   487102.617 3753284.427 489.25
   LOCATION L0111797     VOLUME   487102.924 3753221.636 489.56
   LOCATION L0111798     VOLUME   487103.232 3753158.844 486.75
   LOCATION L0111799     VOLUME   487103.540 3753096.053 485.78
   LOCATION L0111800     VOLUME   487103.848 3753033.262 484.98
   LOCATION L0111801     VOLUME   487104.156 3752970.471 486.98
   LOCATION L0111802     VOLUME   487104.463 3752907.680 484.85
   LOCATION L0111803     VOLUME   487104.771 3752844.889 483.17
   LOCATION L0111804     VOLUME   487105.079 3752782.098 483.74
** End of LINE VOLUME Source ID = SEGMENT07
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT08
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.216
** Elevated
** Vertical Dimension = 1.10
** SZINIT = 0.26
** Nodes = 3
** 486074.02, 3753392.72, 494.00, 1.10, 18.01
** 485979.56, 3753190.69, 490.00, 1.10, 18.01
** 485959.38, 3752271.31, 509.00, 1.10, 18.01
** ---------------------------------------------------------------------
   LOCATION L0111805     VOLUME   486069.888 3753383.881 492.66
   LOCATION L0111806     VOLUME   486053.485 3753348.798 491.27
   LOCATION L0111807     VOLUME   486037.083 3753313.715 490.52
   LOCATION L0111808     VOLUME   486020.680 3753278.632 490.29
   LOCATION L0111809     VOLUME   486004.278 3753243.549 490.00
   LOCATION L0111810     VOLUME   485987.875 3753208.466 489.60
   LOCATION L0111811     VOLUME   485979.144 3753171.590 489.02
   LOCATION L0111812     VOLUME   485978.294 3753132.871 488.12
   LOCATION L0111813     VOLUME   485977.445 3753094.153 488.21
   LOCATION L0111814     VOLUME   485976.595 3753055.434 489.37
   LOCATION L0111815     VOLUME   485975.745 3753016.715 490.11
   LOCATION L0111816     VOLUME   485974.895 3752977.997 490.00
   LOCATION L0111817     VOLUME   485974.045 3752939.278 489.00
   LOCATION L0111818     VOLUME   485973.195 3752900.559 489.00
   LOCATION L0111819     VOLUME   485972.345 3752861.841 489.00
   LOCATION L0111820     VOLUME   485971.495 3752823.122 489.00
   LOCATION L0111821     VOLUME   485970.646 3752784.403 488.77
   LOCATION L0111822     VOLUME   485969.796 3752745.684 487.04
   LOCATION L0111823     VOLUME   485968.946 3752706.966 485.22
   LOCATION L0111824     VOLUME   485968.096 3752668.247 486.17
   LOCATION L0111825     VOLUME   485967.246 3752629.528 488.82
   LOCATION L0111826     VOLUME   485966.396 3752590.810 490.12
   LOCATION L0111827     VOLUME   485965.546 3752552.091 495.23
   LOCATION L0111828     VOLUME   485964.696 3752513.372 496.37
   LOCATION L0111829     VOLUME   485963.846 3752474.654 496.10
   LOCATION L0111830     VOLUME   485962.997 3752435.935 496.42
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   LOCATION L0111831     VOLUME   485962.147 3752397.216 498.83
   LOCATION L0111832     VOLUME   485961.297 3752358.498 500.09
   LOCATION L0111833     VOLUME   485960.447 3752319.779 500.68
   LOCATION L0111834     VOLUME   485959.597 3752281.060 501.95
** End of LINE VOLUME Source ID = SEGMENT08
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT11
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.105
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 485510.85, 3754275.79, 515.00, 1.00, 15.74
** 485509.55, 3753074.46, 494.00, 1.00, 15.74
** ---------------------------------------------------------------------
   LOCATION L0112437     VOLUME   485510.839 3754267.258 514.85
   LOCATION L0112438     VOLUME   485510.802 3754233.422 514.26
   LOCATION L0112439     VOLUME   485510.765 3754199.586 513.67
   LOCATION L0112440     VOLUME   485510.729 3754165.750 513.08
   LOCATION L0112441     VOLUME   485510.692 3754131.914 512.48
   LOCATION L0112442     VOLUME   485510.655 3754098.078 511.89
   LOCATION L0112443     VOLUME   485510.619 3754064.242 511.30
   LOCATION L0112444     VOLUME   485510.582 3754030.406 510.71
   LOCATION L0112445     VOLUME   485510.545 3753996.570 510.12
   LOCATION L0112446     VOLUME   485510.509 3753962.734 509.53
   LOCATION L0112447     VOLUME   485510.472 3753928.898 508.94
   LOCATION L0112448     VOLUME   485510.436 3753895.062 508.34
   LOCATION L0112449     VOLUME   485510.399 3753861.226 507.75
   LOCATION L0112450     VOLUME   485510.362 3753827.390 507.16
   LOCATION L0112451     VOLUME   485510.326 3753793.554 506.57
   LOCATION L0112452     VOLUME   485510.289 3753759.718 505.98
   LOCATION L0112453     VOLUME   485510.252 3753725.882 505.39
   LOCATION L0112454     VOLUME   485510.216 3753692.046 504.80
   LOCATION L0112455     VOLUME   485510.179 3753658.210 504.20
   LOCATION L0112456     VOLUME   485510.142 3753624.374 503.61
   LOCATION L0112457     VOLUME   485510.106 3753590.538 503.02
   LOCATION L0112458     VOLUME   485510.069 3753556.702 502.43
   LOCATION L0112459     VOLUME   485510.032 3753522.866 501.84
   LOCATION L0112460     VOLUME   485509.996 3753489.030 501.25
   LOCATION L0112461     VOLUME   485509.959 3753455.194 500.66
   LOCATION L0112462     VOLUME   485509.922 3753421.357 500.06
   LOCATION L0112463     VOLUME   485509.886 3753387.521 499.47
   LOCATION L0112464     VOLUME   485509.849 3753353.685 498.88
   LOCATION L0112465     VOLUME   485509.812 3753319.849 498.29
   LOCATION L0112466     VOLUME   485509.776 3753286.013 497.70
   LOCATION L0112467     VOLUME   485509.739 3753252.177 497.11
   LOCATION L0112468     VOLUME   485509.702 3753218.341 496.52
   LOCATION L0112469     VOLUME   485509.666 3753184.505 495.92
   LOCATION L0112470     VOLUME   485509.629 3753150.669 495.33
   LOCATION L0112471     VOLUME   485509.592 3753116.833 494.74
   LOCATION L0112472     VOLUME   485509.556 3753082.997 494.15
** End of LINE VOLUME Source ID = SEGMENT11
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT12
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.143
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 2
** 485533.45, 3755091.71, 532.00, 1.30, 15.63
** 485515.75, 3754268.39, 515.00, 1.30, 15.63
** ---------------------------------------------------------------------
   LOCATION L0112473     VOLUME   485533.265 3755083.180 531.82
   LOCATION L0112474     VOLUME   485532.543 3755049.586 531.13
   LOCATION L0112475     VOLUME   485531.821 3755015.992 530.44
   LOCATION L0112476     VOLUME   485531.099 3754982.399 529.74
   LOCATION L0112477     VOLUME   485530.377 3754948.805 529.05
   LOCATION L0112478     VOLUME   485529.654 3754915.211 528.36
   LOCATION L0112479     VOLUME   485528.932 3754881.617 527.66
   LOCATION L0112480     VOLUME   485528.210 3754848.023 526.97
   LOCATION L0112481     VOLUME   485527.488 3754814.429 526.27
   LOCATION L0112482     VOLUME   485526.766 3754780.835 525.58
   LOCATION L0112483     VOLUME   485526.044 3754747.241 524.89
   LOCATION L0112484     VOLUME   485525.321 3754713.647 524.19
   LOCATION L0112485     VOLUME   485524.599 3754680.053 523.50
   LOCATION L0112486     VOLUME   485523.877 3754646.460 522.81
   LOCATION L0112487     VOLUME   485523.155 3754612.866 522.11
   LOCATION L0112488     VOLUME   485522.433 3754579.272 521.42
   LOCATION L0112489     VOLUME   485521.711 3754545.678 520.73
   LOCATION L0112490     VOLUME   485520.988 3754512.084 520.03
   LOCATION L0112491     VOLUME   485520.266 3754478.490 519.34
   LOCATION L0112492     VOLUME   485519.544 3754444.896 518.64
   LOCATION L0112493     VOLUME   485518.822 3754411.302 517.95
   LOCATION L0112494     VOLUME   485518.100 3754377.708 517.26
   LOCATION L0112495     VOLUME   485517.378 3754344.114 516.56
   LOCATION L0112496     VOLUME   485516.655 3754310.520 515.87
   LOCATION L0112497     VOLUME   485515.933 3754276.927 515.18
** End of LINE VOLUME Source ID = SEGMENT12
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT14
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.13
```

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** Elevated
** Vertical Dimension = 1.70
** SZINIT = 0.40
** Nodes = 2
** 485503.72, 3755054.30, 532.00, 1.70, 23.83
** 486400.84, 3755050.67, 532.00, 1.70, 23.83
** ----------------------------------------------------------------------
   LOCATION L0111896     VOLUME   485516.820 3755054.250 529.90
   LOCATION L0111897     VOLUME   485568.051 3755054.043 528.58
   LOCATION L0111898     VOLUME   485619.281 3755053.835 530.77
   LOCATION L0111899     VOLUME   485670.512 3755053.628 532.50
   LOCATION L0111900     VOLUME   485721.742 3755053.421 534.25
   LOCATION L0111901     VOLUME   485772.972 3755053.213 531.14
   LOCATION L0111902     VOLUME   485824.203 3755053.006 529.49
   LOCATION L0111903     VOLUME   485875.433 3755052.798 529.85
   LOCATION L0111904     VOLUME   485926.663 3755052.591 530.93
   LOCATION L0111905     VOLUME   485977.894 3755052.384 529.69
   LOCATION L0111906     VOLUME   486029.124 3755052.176 529.39
   LOCATION L0111907     VOLUME   486080.355 3755051.969 529.54
   LOCATION L0111908     VOLUME   486131.585 3755051.761 529.54
   LOCATION L0111909     VOLUME   486182.815 3755051.554 530.26
   LOCATION L0111910     VOLUME   486234.046 3755051.346 527.40
   LOCATION L0111911     VOLUME   486285.276 3755051.139 527.00
   LOCATION L0111912     VOLUME   486336.506 3755050.932 526.50
   LOCATION L0111913     VOLUME   486387.737 3755050.724 527.33
** End of LINE VOLUME Source ID = SEGMENT14
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT15
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0885
** Elevated
** Vertical Dimension = 1.70
** SZINIT = 0.40
** Nodes = 2
** 486385.45, 3755051.87, 530.00, 1.70, 23.51
** 487119.32, 3755045.18, 533.00, 1.70, 23.51
** ----------------------------------------------------------------------
   LOCATION L0112498     VOLUME   486398.558 3755051.755 530.05
   LOCATION L0112499     VOLUME   486449.105 3755051.294 530.26
   LOCATION L0112500     VOLUME   486499.652 3755050.833 530.47
   LOCATION L0112501     VOLUME   486550.198 3755050.372 530.67
   LOCATION L0112502     VOLUME   486600.745 3755049.911 530.88
   LOCATION L0112503     VOLUME   486651.292 3755049.450 531.09
   LOCATION L0112504     VOLUME   486701.838 3755048.989 531.29
   LOCATION L0112505     VOLUME   486752.385 3755048.528 531.50
   LOCATION L0112506     VOLUME   486802.931 3755048.067 531.71
   LOCATION L0112507     VOLUME   486853.478 3755047.607 531.91
   LOCATION L0112508     VOLUME   486904.025 3755047.146 532.12
   LOCATION L0112509     VOLUME   486954.571 3755046.685 532.33
   LOCATION L0112510     VOLUME   487005.118 3755046.224 532.53
   LOCATION L0112511     VOLUME   487055.665 3755045.763 532.74
   LOCATION L0112512     VOLUME   487106.211 3755045.302 532.95
** End of LINE VOLUME Source ID = SEGMENT15
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT18
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0348
** Elevated
** Vertical Dimension = 1.60
** SZINIT = 0.37
** Nodes = 5
** 487138.06, 3755042.91, 533.00, 1.60, 23.38
** 487300.89, 3755033.99, 529.00, 1.60, 23.38
** 487535.10, 3754996.07, 529.00, 1.60, 23.38
** 487711.32, 3755000.53, 525.00, 1.60, 23.38
** 487907.61, 3754947.00, 526.00, 1.60, 23.38
** ----------------------------------------------------------------------
   LOCATION L0111929     VOLUME   487151.146 3755042.194 530.63
   LOCATION L0111930     VOLUME   487201.328 3755039.444 528.00
   LOCATION L0111931     VOLUME   487251.510 3755036.694 528.53
   LOCATION L0111932     VOLUME   487301.683 3755033.861 528.59
   LOCATION L0111933     VOLUME   487351.295 3755025.828 526.03
   LOCATION L0111934     VOLUME   487400.906 3755017.796 524.56
   LOCATION L0111935     VOLUME   487450.518 3755009.764 524.36
   LOCATION L0111936     VOLUME   487500.129 3755001.731 526.00
   LOCATION L0111937     VOLUME   487549.926 3754996.444 528.33
   LOCATION L0111938     VOLUME   487600.167 3754997.716 529.25
   LOCATION L0111939     VOLUME   487650.409 3754998.988 526.24
   LOCATION L0111940     VOLUME   487700.650 3755000.260 522.97
   LOCATION L0111941     VOLUME   487749.509 3754990.115 522.29
   LOCATION L0111942     VOLUME   487797.996 3754976.891 523.27
   LOCATION L0111943     VOLUME   487846.482 3754963.667 524.09
   LOCATION L0111944     VOLUME   487894.969 3754950.444 525.82
** End of LINE VOLUME Source ID = SEGMENT18
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT18A
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0178
** Elevated
** Vertical Dimension = 1.50
** SZINIT = 0.35
** Nodes = 5
** 487908.51, 3754945.43, 526.00, 1.50, 24.10
** 488040.12, 3754869.59, 520.00, 1.50, 24.10
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** 488173.95, 3754769.21, 522.00, 1.50, 24.10
** 488301.10, 3754733.52, 523.00, 1.50, 24.10
** 488497.39, 3754720.14, 526.00, 1.50, 24.10
** ----------------------------------------------------------------------
   LOCATION L0111945     VOLUME   487919.867 3754938.887 524.63
   LOCATION L0111946     VOLUME   487964.761 3754913.016 521.91
   LOCATION L0111947     VOLUME   488009.655 3754887.144 519.81
   LOCATION L0111948     VOLUME   488053.443 3754859.596 519.44
   LOCATION L0111949     VOLUME   488094.895 3754828.507 519.17
   LOCATION L0111950     VOLUME   488136.347 3754797.418 520.48
   LOCATION L0111951     VOLUME   488178.582 3754767.914 521.23
   LOCATION L0111952     VOLUME   488228.469 3754753.911 522.90
   LOCATION L0111953     VOLUME   488278.356 3754739.908 523.05
   LOCATION L0111954     VOLUME   488329.227 3754731.607 521.54
   LOCATION L0111955     VOLUME   488380.922 3754728.082 523.90
   LOCATION L0111956     VOLUME   488432.617 3754724.557 527.97
   LOCATION L0111957     VOLUME   488484.312 3754721.033 524.82
** End of LINE VOLUME Source ID = SEGMENT18A
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT19
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0845
** Elevated
** Vertical Dimension = 1.90
** SZINIT = 0.44
** Nodes = 6
** 487121.55, 3754448.99, 511.00, 1.90, 17.64
** 487583.28, 3754424.46, 510.00, 1.90, 17.64
** 487714.88, 3754428.92, 512.00, 1.90, 17.64
** 487795.18, 3754451.22, 513.00, 1.90, 17.64
** 488303.76, 3754442.30, 511.00, 1.90, 17.64
** 488433.13, 3754346.39, 506.00, 1.90, 17.64
** ----------------------------------------------------------------------
   LOCATION L0111958     VOLUME   487131.288 3754448.475 506.58
   LOCATION L0111959     VOLUME   487169.165 3754446.462 506.00
   LOCATION L0111960     VOLUME   487207.043 3754444.450 508.12
   LOCATION L0111961     VOLUME   487244.921 3754442.437 509.08
   LOCATION L0111962     VOLUME   487282.799 3754440.424 509.78
   LOCATION L0111963     VOLUME   487320.677 3754438.411 509.05
   LOCATION L0111964     VOLUME   487358.555 3754436.398 509.37
   LOCATION L0111965     VOLUME   487396.433 3754434.385 510.45
   LOCATION L0111966     VOLUME   487434.310 3754432.373 509.94
   LOCATION L0111967     VOLUME   487472.188 3754430.360 509.38
   LOCATION L0111968     VOLUME   487510.066 3754428.347 509.95
   LOCATION L0111969     VOLUME   487547.944 3754426.334 510.22
   LOCATION L0111970     VOLUME   487585.824 3754424.543 509.56
   LOCATION L0111971     VOLUME   487623.733 3754425.828 510.12
   LOCATION L0111972     VOLUME   487661.643 3754427.113 510.71
   LOCATION L0111973     VOLUME   487699.553 3754428.398 510.44
   LOCATION L0111974     VOLUME   487736.651 3754434.965 510.81
   LOCATION L0111975     VOLUME   487773.198 3754445.117 510.41
   LOCATION L0111976     VOLUME   487810.295 3754450.958 509.88
   LOCATION L0111977     VOLUME   487848.220 3754450.293 509.77
   LOCATION L0111978     VOLUME   487886.146 3754449.628 508.53
   LOCATION L0111979     VOLUME   487924.071 3754448.962 507.74
   LOCATION L0111980     VOLUME   487961.997 3754448.297 508.40
   LOCATION L0111981     VOLUME   487999.922 3754447.632 509.00
   LOCATION L0111982     VOLUME   488037.848 3754446.966 508.07
   LOCATION L0111983     VOLUME   488075.773 3754446.301 507.15
   LOCATION L0111984     VOLUME   488113.698 3754445.635 508.18
   LOCATION L0111985     VOLUME   488151.624 3754444.970 508.31
   LOCATION L0111986     VOLUME   488189.549 3754444.305 509.27
   LOCATION L0111987     VOLUME   488227.475 3754443.639 510.36
   LOCATION L0111988     VOLUME   488265.400 3754442.974 510.66
   LOCATION L0111989     VOLUME   488303.326 3754442.309 510.94
   LOCATION L0111990     VOLUME   488333.881 3754419.967 509.27
   LOCATION L0111991     VOLUME   488364.352 3754397.376 506.49
   LOCATION L0111992     VOLUME   488394.822 3754374.786 504.46
   LOCATION L0111993     VOLUME   488425.293 3754352.196 504.99
** End of LINE VOLUME Source ID = SEGMENT19
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT20
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0383
** Elevated
** Vertical Dimension = 1.20
** SZINIT = 0.28
** Nodes = 3
** 488428.67, 3754348.62, 506.00, 1.20, 18.04
** 488457.67, 3754308.47, 506.00, 1.20, 18.04
** 488457.67, 3753291.32, 483.00, 1.20, 18.04
** ----------------------------------------------------------------------
   LOCATION L0111994     VOLUME   488434.379 3754340.708 505.31
   LOCATION L0111995     VOLUME   488457.087 3754309.267 506.00
   LOCATION L0111996     VOLUME   488457.666 3754270.671 506.00
   LOCATION L0111997     VOLUME   488457.666 3754231.887 505.06
   LOCATION L0111998     VOLUME   488457.666 3754193.103 501.00
   LOCATION L0111999     VOLUME   488457.666 3754154.319 501.52
   LOCATION L0112000     VOLUME   488457.666 3754115.535 503.63
   LOCATION L0112001     VOLUME   488457.666 3754076.751 502.89
   LOCATION L0112002     VOLUME   488457.666 3754037.968 502.00
   LOCATION L0112003     VOLUME   488457.666 3753999.184 502.00
   LOCATION L0112004     VOLUME   488457.666 3753960.400 502.00
   LOCATION L0112005     VOLUME   488457.666 3753921.616 500.44
   LOCATION L0112006     VOLUME   488457.666 3753882.832 498.43
   LOCATION L0112007     VOLUME   488457.666 3753844.049 497.13
   LOCATION L0112008     VOLUME   488457.666 3753805.265 496.84
   LOCATION L0112009     VOLUME   488457.666 3753766.481 496.00
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   LOCATION L0112010     VOLUME   488457.666 3753727.697 495.26
   LOCATION L0112011     VOLUME   488457.666 3753688.913 493.93
   LOCATION L0112012     VOLUME   488457.666 3753650.130 491.01
   LOCATION L0112013     VOLUME   488457.666 3753611.346 488.38
   LOCATION L0112014     VOLUME   488457.666 3753572.562 488.00
   LOCATION L0112015     VOLUME   488457.666 3753533.778 488.00
   LOCATION L0112016     VOLUME   488457.666 3753494.994 488.00
   LOCATION L0112017     VOLUME   488457.666 3753456.211 487.21
   LOCATION L0112018     VOLUME   488457.666 3753417.427 485.91
   LOCATION L0112019     VOLUME   488457.666 3753378.643 485.38
   LOCATION L0112020     VOLUME   488457.666 3753339.859 483.99
   LOCATION L0112021     VOLUME   488457.666 3753301.075 482.04
** End of LINE VOLUME Source ID = SEGMENT20
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT21
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.123
** Elevated
** Vertical Dimension = 1.50
** SZINIT = 0.35
** Nodes = 2
** 487098.48, 3753294.03, 491.00, 1.50, 22.81
** 487762.08, 3753289.01, 485.00, 1.50, 22.81
** ----------------------------------------------------------------------
   LOCATION L0112513     VOLUME   487111.587 3753293.935 490.88
   LOCATION L0112514     VOLUME   487160.618 3753293.563 490.44
   LOCATION L0112515     VOLUME   487209.648 3753293.192 489.99
   LOCATION L0112516     VOLUME   487258.678 3753292.820 489.55
   LOCATION L0112517     VOLUME   487307.708 3753292.449 489.11
   LOCATION L0112518     VOLUME   487356.738 3753292.077 488.66
   LOCATION L0112519     VOLUME   487405.769 3753291.706 488.22
   LOCATION L0112520     VOLUME   487454.799 3753291.335 487.78
   LOCATION L0112521     VOLUME   487503.829 3753290.963 487.34
   LOCATION L0112522     VOLUME   487552.859 3753290.592 486.89
   LOCATION L0112523     VOLUME   487601.890 3753290.220 486.45
   LOCATION L0112524     VOLUME   487650.920 3753289.849 486.01
   LOCATION L0112525     VOLUME   487699.950 3753289.477 485.56
   LOCATION L0112526     VOLUME   487748.980 3753289.106 485.12
** End of LINE VOLUME Source ID = SEGMENT21
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT22
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.123
** Elevated
** Vertical Dimension = 1.50
** SZINIT = 0.35
** Nodes = 2
** 487752.03, 3753289.01, 485.00, 1.50, 24.24
** 488455.85, 3753289.01, 483.00, 1.50, 24.24
** ----------------------------------------------------------------------
   LOCATION L0112036     VOLUME   487765.135 3753289.007 484.00
   LOCATION L0112037     VOLUME   487817.259 3753289.007 485.27
   LOCATION L0112038     VOLUME   487869.383 3753289.007 483.15
   LOCATION L0112039     VOLUME   487921.507 3753289.007 482.97
   LOCATION L0112040     VOLUME   487973.631 3753289.007 484.84
   LOCATION L0112041     VOLUME   488025.755 3753289.007 485.63
   LOCATION L0112042     VOLUME   488077.879 3753289.007 485.37
   LOCATION L0112043     VOLUME   488130.002 3753289.007 485.63
   LOCATION L0112044     VOLUME   488182.126 3753289.007 485.63
   LOCATION L0112045     VOLUME   488234.250 3753289.007 486.33
   LOCATION L0112046     VOLUME   488286.374 3753289.007 484.87
   LOCATION L0112047     VOLUME   488338.498 3753289.007 484.37
   LOCATION L0112048     VOLUME   488390.622 3753289.007 484.55
   LOCATION L0112049     VOLUME   488442.746 3753289.007 483.27
** End of LINE VOLUME Source ID = SEGMENT22
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT23
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0511
** Elevated
** Vertical Dimension = 1.70
** SZINIT = 0.40
** Nodes = 2
** 488445.80, 3753299.06, 484.00, 1.70, 18.10
** 488450.82, 3752851.63, 480.00, 1.70, 18.10
** ----------------------------------------------------------------------
   LOCATION L0112050     VOLUME   488445.906 3753289.307 481.64
   LOCATION L0112051     VOLUME   488446.343 3753250.405 481.00
   LOCATION L0112052     VOLUME   488446.780 3753211.503 480.05
   LOCATION L0112053     VOLUME   488447.217 3753172.601 479.00
   LOCATION L0112054     VOLUME   488447.654 3753133.700 478.46
   LOCATION L0112055     VOLUME   488448.091 3753094.798 478.00
   LOCATION L0112056     VOLUME   488448.528 3753055.896 477.00
   LOCATION L0112057     VOLUME   488448.966 3753016.994 477.00
   LOCATION L0112058     VOLUME   488449.403 3752978.092 477.73
   LOCATION L0112059     VOLUME   488449.840 3752939.190 478.97
   LOCATION L0112060     VOLUME   488450.277 3752900.289 478.00
   LOCATION L0112061     VOLUME   488450.714 3752861.387 478.00
** End of LINE VOLUME Source ID = SEGMENT23
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT24
** DESCRSRC
** PREFIX
```

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** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.179
** Elevated
** Vertical Dimension = 1.40
** SZINIT = 0.33
** Nodes = 2
** 488450.82, 3753299.06, 483.00, 1.40, 23.53
** 489893.66, 3753294.03, 493.00, 1.40, 23.53
** ----------------------------------------------------------------------
   LOCATION L0112062     VOLUME   488463.928 3753299.016 481.83
   LOCATION L0112063     VOLUME   488514.522 3753298.839 480.92
   LOCATION L0112064     VOLUME   488565.116 3753298.663 482.30
   LOCATION L0112065     VOLUME   488615.709 3753298.487 484.06
   LOCATION L0112066     VOLUME   488666.303 3753298.310 483.24
   LOCATION L0112067     VOLUME   488716.897 3753298.134 482.04
   LOCATION L0112068     VOLUME   488767.490 3753297.958 482.14
   LOCATION L0112069     VOLUME   488818.084 3753297.782 481.14
   LOCATION L0112070     VOLUME   488868.678 3753297.605 482.05
   LOCATION L0112071     VOLUME   488919.271 3753297.429 483.39
   LOCATION L0112072     VOLUME   488969.865 3753297.253 485.90
   LOCATION L0112073     VOLUME   489020.459 3753297.076 484.22
   LOCATION L0112074     VOLUME   489071.052 3753296.900 484.83
   LOCATION L0112075     VOLUME   489121.646 3753296.724 484.90
   LOCATION L0112076     VOLUME   489172.240 3753296.548 486.48
   LOCATION L0112077     VOLUME   489222.833 3753296.371 491.61
   LOCATION L0112078     VOLUME   489273.427 3753296.195 494.43
   LOCATION L0112079     VOLUME   489324.020 3753296.019 490.50
   LOCATION L0112080     VOLUME   489374.614 3753295.842 489.14
   LOCATION L0112081     VOLUME   489425.208 3753295.666 490.32
   LOCATION L0112082     VOLUME   489475.801 3753295.490 490.16
   LOCATION L0112083     VOLUME   489526.395 3753295.314 490.47
   LOCATION L0112084     VOLUME   489576.989 3753295.137 493.03
   LOCATION L0112085     VOLUME   489627.582 3753294.961 493.36
   LOCATION L0112086     VOLUME   489678.176 3753294.785 495.58
   LOCATION L0112087     VOLUME   489728.770 3753294.608 496.83
   LOCATION L0112088     VOLUME   489779.363 3753294.432 493.43
   LOCATION L0112089     VOLUME   489829.957 3753294.256 489.16
   LOCATION L0112090     VOLUME   489880.551 3753294.080 491.63
** End of LINE VOLUME Source ID = SEGMENT24
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT25
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0591
** Elevated
** Vertical Dimension = 1.60
** SZINIT = 0.37
** Nodes = 3
** 489888.63, 3753289.01, 493.00, 1.60, 22.24
** 489959.01, 3753319.17, 494.00, 1.60, 22.24
** 490099.77, 3753444.85, 504.00, 1.60, 22.24
** ----------------------------------------------------------------------
   LOCATION L0112527     VOLUME   489900.674 3753294.169 493.17
   LOCATION L0112528     VOLUME   489944.622 3753313.004 493.80
   LOCATION L0112529     VOLUME   489983.000 3753340.589 495.70
   LOCATION L0112530     VOLUME   490018.666 3753372.434 498.24
   LOCATION L0112531     VOLUME   490054.332 3753404.279 500.77
   LOCATION L0112532     VOLUME   490089.999 3753436.124 503.31
** End of LINE VOLUME Source ID = SEGMENT25
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT26
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0434
** Elevated
** Vertical Dimension = 1.70
** SZINIT = 0.40
** Nodes = 2
** 489898.68, 3753289.01, 493.00, 1.70, 15.51
** 489903.71, 3752871.74, 482.00, 1.70, 15.51
** ----------------------------------------------------------------------
   LOCATION L0112097     VOLUME   489898.786 3753280.472 492.29
   LOCATION L0112098     VOLUME   489899.187 3753247.123 490.45
   LOCATION L0112099     VOLUME   489899.589 3753213.773 488.25
   LOCATION L0112100     VOLUME   489899.991 3753180.423 487.01
   LOCATION L0112101     VOLUME   489900.393 3753147.074 488.28
   LOCATION L0112102     VOLUME   489900.795 3753113.724 490.99
   LOCATION L0112103     VOLUME   489901.196 3753080.374 490.63
   LOCATION L0112104     VOLUME   489901.598 3753047.024 489.03
   LOCATION L0112105     VOLUME   489902.000 3753013.675 487.32
   LOCATION L0112106     VOLUME   489902.402 3752980.325 486.24
   LOCATION L0112107     VOLUME   489902.804 3752946.975 484.59
   LOCATION L0112108     VOLUME   489903.205 3752913.626 482.46
   LOCATION L0112109     VOLUME   489903.607 3752880.276 480.38
** End of LINE VOLUME Source ID = SEGMENT26
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT27
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0258
** Elevated
** Vertical Dimension = 1.70
** SZINIT = 0.40
** Nodes = 2
** 489908.74, 3752866.71, 482.00, 1.70, 15.35
** 490255.62, 3752876.77, 483.00, 1.70, 15.35
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** ----------------------------------------------------------------------
   LOCATION L0112110     VOLUME   489917.269 3752866.962 481.66
   LOCATION L0112111     VOLUME   489950.251 3752867.918 483.00
   LOCATION L0112112     VOLUME   489983.233 3752868.874 484.03
   LOCATION L0112113     VOLUME   490016.215 3752869.830 484.90
   LOCATION L0112114     VOLUME   490049.197 3752870.786 486.05
   LOCATION L0112115     VOLUME   490082.179 3752871.742 485.72
   LOCATION L0112116     VOLUME   490115.161 3752872.698 485.89
   LOCATION L0112117     VOLUME   490148.143 3752873.654 486.58
   LOCATION L0112118     VOLUME   490181.125 3752874.610 486.03
   LOCATION L0112119     VOLUME   490214.107 3752875.566 484.13
   LOCATION L0112120     VOLUME   490247.089 3752876.522 482.55
** End of LINE VOLUME Source ID = SEGMENT27
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT28
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0678
** Elevated
** Vertical Dimension = 1.70
** SZINIT = 0.40
** Nodes = 3
** 488445.80, 3752856.66, 479.00, 1.70, 15.60
** 489023.93, 3752886.82, 482.00, 1.70, 15.60
** 489903.71, 3752871.74, 482.00, 1.70, 15.60
** ----------------------------------------------------------------------
   LOCATION L0112121     VOLUME   488454.320 3752857.104 478.00
   LOCATION L0112122     VOLUME   488487.803 3752858.851 478.65
   LOCATION L0112123     VOLUME   488521.287 3752860.598 477.56
   LOCATION L0112124     VOLUME   488554.771 3752862.345 475.49
   LOCATION L0112125     VOLUME   488588.255 3752864.092 475.28
   LOCATION L0112126     VOLUME   488621.738 3752865.839 476.58
   LOCATION L0112127     VOLUME   488655.222 3752867.586 478.01
   LOCATION L0112128     VOLUME   488688.706 3752869.333 478.46
   LOCATION L0112129     VOLUME   488722.190 3752871.080 477.56
   LOCATION L0112130     VOLUME   488755.673 3752872.827 477.44
   LOCATION L0112131     VOLUME   488789.157 3752874.574 478.33
   LOCATION L0112132     VOLUME   488822.641 3752876.321 478.23
   LOCATION L0112133     VOLUME   488856.125 3752878.068 478.05
   LOCATION L0112134     VOLUME   488889.608 3752879.815 478.00
   LOCATION L0112135     VOLUME   488923.092 3752881.562 477.67
   LOCATION L0112136     VOLUME   488956.576 3752883.309 478.20
   LOCATION L0112137     VOLUME   488990.060 3752885.056 479.67
   LOCATION L0112138     VOLUME   489023.543 3752886.803 481.39
   LOCATION L0112139     VOLUME   489057.067 3752886.256 482.69
   LOCATION L0112140     VOLUME   489090.592 3752885.681 481.79
   LOCATION L0112141     VOLUME   489124.116 3752885.106 480.72
   LOCATION L0112142     VOLUME   489157.640 3752884.531 479.78
   LOCATION L0112143     VOLUME   489191.165 3752883.957 478.81
   LOCATION L0112144     VOLUME   489224.689 3752883.382 478.66
   LOCATION L0112145     VOLUME   489258.213 3752882.807 479.70
   LOCATION L0112146     VOLUME   489291.738 3752882.233 480.07
   LOCATION L0112147     VOLUME   489325.262 3752881.658 480.06
   LOCATION L0112148     VOLUME   489358.787 3752881.083 480.07
   LOCATION L0112149     VOLUME   489392.311 3752880.508 480.03
   LOCATION L0112150     VOLUME   489425.835 3752879.934 480.19
   LOCATION L0112151     VOLUME   489459.360 3752879.359 481.26
   LOCATION L0112152     VOLUME   489492.884 3752878.784 481.90
   LOCATION L0112153     VOLUME   489526.408 3752878.210 481.91
   LOCATION L0112154     VOLUME   489559.933 3752877.635 482.48
   LOCATION L0112155     VOLUME   489593.457 3752877.060 483.49
   LOCATION L0112156     VOLUME   489626.981 3752876.486 484.65
   LOCATION L0112157     VOLUME   489660.506 3752875.911 484.85
   LOCATION L0112158     VOLUME   489694.030 3752875.336 483.84
   LOCATION L0112159     VOLUME   489727.555 3752874.761 484.12
   LOCATION L0112160     VOLUME   489761.079 3752874.187 485.30
   LOCATION L0112161     VOLUME   489794.603 3752873.612 484.92
   LOCATION L0112162     VOLUME   489828.128 3752873.037 482.79
   LOCATION L0112163     VOLUME   489861.652 3752872.463 480.74
   LOCATION L0112164     VOLUME   489895.176 3752871.888 480.27
** End of LINE VOLUME Source ID = SEGMENT28
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT29
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.139
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 488254.11, 3755298.30, 548.00, 1.00, 9.20
** 488465.26, 3754775.46, 527.00, 1.00, 9.20
** ----------------------------------------------------------------------
   LOCATION L0112533     VOLUME   488256.001 3755293.618 547.81
   LOCATION L0112534     VOLUME   488263.407 3755275.280 547.08
   LOCATION L0112535     VOLUME   488270.813 3755256.941 546.34
   LOCATION L0112536     VOLUME   488278.219 3755238.603 545.60
   LOCATION L0112537     VOLUME   488285.625 3755220.265 544.87
   LOCATION L0112538     VOLUME   488293.031 3755201.926 544.13
   LOCATION L0112539     VOLUME   488300.437 3755183.588 543.39
   LOCATION L0112540     VOLUME   488307.843 3755165.250 542.66
   LOCATION L0112541     VOLUME   488315.248 3755146.911 541.92
   LOCATION L0112542     VOLUME   488322.654 3755128.573 541.18
   LOCATION L0112543     VOLUME   488330.060 3755110.235 540.45
   LOCATION L0112544     VOLUME   488337.466 3755091.896 539.71
   LOCATION L0112545     VOLUME   488344.872 3755073.558 538.97
   LOCATION L0112546     VOLUME   488352.278 3755055.220 538.24
   LOCATION L0112547     VOLUME   488359.684 3755036.881 537.50
   LOCATION L0112548     VOLUME   488367.089 3755018.543 536.76
   LOCATION L0112549     VOLUME   488374.495 3755000.205 536.03
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   LOCATION L0112550     VOLUME   488381.901 3754981.866 535.29
   LOCATION L0112551     VOLUME   488389.307 3754963.528 534.55
   LOCATION L0112552     VOLUME   488396.713 3754945.190 533.82
   LOCATION L0112553     VOLUME   488404.119 3754926.851 533.08
   LOCATION L0112554     VOLUME   488411.525 3754908.513 532.34
   LOCATION L0112555     VOLUME   488418.930 3754890.175 531.61
   LOCATION L0112556     VOLUME   488426.336 3754871.837 530.87
   LOCATION L0112557     VOLUME   488433.742 3754853.498 530.13
   LOCATION L0112558     VOLUME   488441.148 3754835.160 529.40
   LOCATION L0112559     VOLUME   488448.554 3754816.822 528.66
   LOCATION L0112560     VOLUME   488455.960 3754798.483 527.92
   LOCATION L0112561     VOLUME   488463.366 3754780.145 527.19
** End of LINE VOLUME Source ID = SEGMENT29
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT30
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.588
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 4
** 488465.58, 3754780.49, 527.00, 1.00, 9.32
** 488732.03, 3754307.92, 516.00, 1.00, 9.32
** 488963.28, 3754116.89, 511.00, 1.00, 9.32
** 490099.45, 3753423.12, 503.00, 1.00, 9.32
** ----------------------------------------------------------------------
   LOCATION L0112562     VOLUME   488468.061 3754776.091 526.90
   LOCATION L0112563     VOLUME   488477.900 3754758.640 526.49
   LOCATION L0112564     VOLUME   488487.740 3754741.189 526.09
   LOCATION L0112565     VOLUME   488497.579 3754723.739 525.68
   LOCATION L0112566     VOLUME   488507.418 3754706.288 525.27
   LOCATION L0112567     VOLUME   488517.257 3754688.838 524.87
   LOCATION L0112568     VOLUME   488527.096 3754671.387 524.46
   LOCATION L0112569     VOLUME   488536.935 3754653.936 524.05
   LOCATION L0112570     VOLUME   488546.775 3754636.486 523.65
   LOCATION L0112571     VOLUME   488556.614 3754619.035 523.24
   LOCATION L0112572     VOLUME   488566.453 3754601.585 522.84
   LOCATION L0112573     VOLUME   488576.292 3754584.134 522.43
   LOCATION L0112574     VOLUME   488586.131 3754566.683 522.02
   LOCATION L0112575     VOLUME   488595.971 3754549.233 521.62
   LOCATION L0112576     VOLUME   488605.810 3754531.782 521.21
   LOCATION L0112577     VOLUME   488615.649 3754514.331 520.80
   LOCATION L0112578     VOLUME   488625.488 3754496.881 520.40
   LOCATION L0112579     VOLUME   488635.327 3754479.430 519.99
   LOCATION L0112580     VOLUME   488645.166 3754461.980 519.59
   LOCATION L0112581     VOLUME   488655.006 3754444.529 519.18
   LOCATION L0112582     VOLUME   488664.845 3754427.078 518.77
   LOCATION L0112583     VOLUME   488674.684 3754409.628 518.37
   LOCATION L0112584     VOLUME   488684.523 3754392.177 517.96
   LOCATION L0112585     VOLUME   488694.362 3754374.727 517.55
   LOCATION L0112586     VOLUME   488704.201 3754357.276 517.15
   LOCATION L0112587     VOLUME   488714.041 3754339.825 516.74
   LOCATION L0112588     VOLUME   488723.880 3754322.375 516.34
   LOCATION L0112589     VOLUME   488734.683 3754305.731 515.94
   LOCATION L0112590     VOLUME   488750.128 3754292.972 515.61
   LOCATION L0112591     VOLUME   488765.573 3754280.213 515.27
   LOCATION L0112592     VOLUME   488781.018 3754267.454 514.94
   LOCATION L0112593     VOLUME   488796.462 3754254.695 514.61
   LOCATION L0112594     VOLUME   488811.907 3754241.937 514.27
   LOCATION L0112595     VOLUME   488827.352 3754229.178 513.94
   LOCATION L0112596     VOLUME   488842.797 3754216.419 513.61
   LOCATION L0112597     VOLUME   488858.242 3754203.660 513.27
   LOCATION L0112598     VOLUME   488873.687 3754190.901 512.94
   LOCATION L0112599     VOLUME   488889.132 3754178.142 512.60
   LOCATION L0112600     VOLUME   488904.577 3754165.384 512.27
   LOCATION L0112601     VOLUME   488920.022 3754152.625 511.94
   LOCATION L0112602     VOLUME   488935.467 3754139.866 511.60
   LOCATION L0112603     VOLUME   488950.912 3754127.107 511.27
   LOCATION L0112604     VOLUME   488966.685 3754114.810 510.98
   LOCATION L0112605     VOLUME   488983.783 3754104.369 510.86
   LOCATION L0112606     VOLUME   489000.881 3754093.929 510.74
   LOCATION L0112607     VOLUME   489017.979 3754083.489 510.61
   LOCATION L0112608     VOLUME   489035.077 3754073.049 510.49
   LOCATION L0112609     VOLUME   489052.174 3754062.608 510.37
   LOCATION L0112610     VOLUME   489069.272 3754052.168 510.25
   LOCATION L0112611     VOLUME   489086.370 3754041.728 510.13
   LOCATION L0112612     VOLUME   489103.468 3754031.288 510.01
   LOCATION L0112613     VOLUME   489120.566 3754020.847 509.89
   LOCATION L0112614     VOLUME   489137.663 3754010.407 509.77
   LOCATION L0112615     VOLUME   489154.761 3753999.967 509.65
   LOCATION L0112616     VOLUME   489171.859 3753989.527 509.53
   LOCATION L0112617     VOLUME   489188.957 3753979.086 509.41
   LOCATION L0112618     VOLUME   489206.055 3753968.646 509.29
   LOCATION L0112619     VOLUME   489223.152 3753958.206 509.17
   LOCATION L0112620     VOLUME   489240.250 3753947.766 509.05
   LOCATION L0112621     VOLUME   489257.348 3753937.325 508.93
   LOCATION L0112622     VOLUME   489274.446 3753926.885 508.81
   LOCATION L0112623     VOLUME   489291.544 3753916.445 508.69
   LOCATION L0112624     VOLUME   489308.641 3753906.005 508.57
   LOCATION L0112625     VOLUME   489325.739 3753895.564 508.45
   LOCATION L0112626     VOLUME   489342.837 3753885.124 508.33
   LOCATION L0112627     VOLUME   489359.935 3753874.684 508.21
   LOCATION L0112628     VOLUME   489377.033 3753864.244 508.09
   LOCATION L0112629     VOLUME   489394.130 3753853.803 507.97
   LOCATION L0112630     VOLUME   489411.228 3753843.363 507.85
   LOCATION L0112631     VOLUME   489428.326 3753832.923 507.73
   LOCATION L0112632     VOLUME   489445.424 3753822.483 507.61
   LOCATION L0112633     VOLUME   489462.522 3753812.042 507.48
   LOCATION L0112634     VOLUME   489479.619 3753801.602 507.36
   LOCATION L0112635     VOLUME   489496.717 3753791.162 507.24
   LOCATION L0112636     VOLUME   489513.815 3753780.722 507.12
   LOCATION L0112637     VOLUME   489530.913 3753770.281 507.00
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   LOCATION L0112638     VOLUME   489548.011 3753759.841 506.88
   LOCATION L0112639     VOLUME   489565.108 3753749.401 506.76
   LOCATION L0112640     VOLUME   489582.206 3753738.961 506.64
   LOCATION L0112641     VOLUME   489599.304 3753728.520 506.52
   LOCATION L0112642     VOLUME   489616.402 3753718.080 506.40
   LOCATION L0112643     VOLUME   489633.500 3753707.640 506.28
   LOCATION L0112644     VOLUME   489650.597 3753697.200 506.16
   LOCATION L0112645     VOLUME   489667.695 3753686.759 506.04
   LOCATION L0112646     VOLUME   489684.793 3753676.319 505.92
   LOCATION L0112647     VOLUME   489701.891 3753665.879 505.80
   LOCATION L0112648     VOLUME   489718.988 3753655.439 505.68
   LOCATION L0112649     VOLUME   489736.086 3753644.998 505.56
   LOCATION L0112650     VOLUME   489753.184 3753634.558 505.44
   LOCATION L0112651     VOLUME   489770.282 3753624.118 505.32
   LOCATION L0112652     VOLUME   489787.380 3753613.678 505.20
   LOCATION L0112653     VOLUME   489804.477 3753603.238 505.08
   LOCATION L0112654     VOLUME   489821.575 3753592.797 504.96
   LOCATION L0112655     VOLUME   489838.673 3753582.357 504.84
   LOCATION L0112656     VOLUME   489855.771 3753571.917 504.72
   LOCATION L0112657     VOLUME   489872.869 3753561.477 504.60
   LOCATION L0112658     VOLUME   489889.966 3753551.036 504.48
   LOCATION L0112659     VOLUME   489907.064 3753540.596 504.35
   LOCATION L0112660     VOLUME   489924.162 3753530.156 504.23
   LOCATION L0112661     VOLUME   489941.260 3753519.716 504.11
   LOCATION L0112662     VOLUME   489958.358 3753509.275 503.99
   LOCATION L0112663     VOLUME   489975.455 3753498.835 503.87
   LOCATION L0112664     VOLUME   489992.553 3753488.395 503.75
   LOCATION L0112665     VOLUME   490009.651 3753477.955 503.63
   LOCATION L0112666     VOLUME   490026.749 3753467.514 503.51
   LOCATION L0112667     VOLUME   490043.847 3753457.074 503.39
   LOCATION L0112668     VOLUME   490060.944 3753446.634 503.27
   LOCATION L0112669     VOLUME   490078.042 3753436.194 503.15
   LOCATION L0112670     VOLUME   490095.140 3753425.753 503.03
** End of LINE VOLUME Source ID = SEGMENT30
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT31
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.419
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 3
** 490099.77, 3753444.85, 504.00, 1.00, 9.38
** 490652.78, 3753118.08, 492.00, 1.00, 9.38
** 491195.72, 3752374.04, 463.00, 1.00, 9.38
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   LOCATION L0112671     VOLUME   490104.122 3753442.284 503.91
   LOCATION L0112672     VOLUME   490121.489 3753432.021 503.53
   LOCATION L0112673     VOLUME   490138.857 3753421.758 503.15
   LOCATION L0112674     VOLUME   490156.224 3753411.496 502.78
   LOCATION L0112675     VOLUME   490173.592 3753401.233 502.40
   LOCATION L0112676     VOLUME   490190.959 3753390.971 502.02
   LOCATION L0112677     VOLUME   490208.326 3753380.708 501.64
   LOCATION L0112678     VOLUME   490225.694 3753370.446 501.27
   LOCATION L0112679     VOLUME   490243.061 3753360.183 500.89
   LOCATION L0112680     VOLUME   490260.428 3753349.921 500.51
   LOCATION L0112681     VOLUME   490277.796 3753339.658 500.14
   LOCATION L0112682     VOLUME   490295.163 3753329.396 499.76
   LOCATION L0112683     VOLUME   490312.530 3753319.133 499.38
   LOCATION L0112684     VOLUME   490329.898 3753308.871 499.01
   LOCATION L0112685     VOLUME   490347.265 3753298.608 498.63
   LOCATION L0112686     VOLUME   490364.633 3753288.345 498.25
   LOCATION L0112687     VOLUME   490382.000 3753278.083 497.88
   LOCATION L0112688     VOLUME   490399.367 3753267.820 497.50
   LOCATION L0112689     VOLUME   490416.735 3753257.558 497.12
   LOCATION L0112690     VOLUME   490434.102 3753247.295 496.75
   LOCATION L0112691     VOLUME   490451.469 3753237.033 496.37
   LOCATION L0112692     VOLUME   490468.837 3753226.770 495.99
   LOCATION L0112693     VOLUME   490486.204 3753216.508 495.61
   LOCATION L0112694     VOLUME   490503.572 3753206.245 495.24
   LOCATION L0112695     VOLUME   490520.939 3753195.983 494.86
   LOCATION L0112696     VOLUME   490538.306 3753185.720 494.48
   LOCATION L0112697     VOLUME   490555.674 3753175.458 494.11
   LOCATION L0112698     VOLUME   490573.041 3753165.195 493.73
   LOCATION L0112699     VOLUME   490590.408 3753154.933 493.35
   LOCATION L0112700     VOLUME   490607.776 3753144.670 492.98
   LOCATION L0112701     VOLUME   490625.143 3753134.407 492.60
   LOCATION L0112702     VOLUME   490642.510 3753124.145 492.22
   LOCATION L0112703     VOLUME   490657.639 3753111.415 491.74
   LOCATION L0112704     VOLUME   490669.530 3753095.120 491.11
   LOCATION L0112705     VOLUME   490681.421 3753078.825 490.47
   LOCATION L0112706     VOLUME   490693.313 3753062.529 489.83
   LOCATION L0112707     VOLUME   490705.204 3753046.234 489.20
   LOCATION L0112708     VOLUME   490717.095 3753029.938 488.56
   LOCATION L0112709     VOLUME   490728.986 3753013.643 487.93
   LOCATION L0112710     VOLUME   490740.878 3752997.347 487.29
   LOCATION L0112711     VOLUME   490752.769 3752981.052 486.66
   LOCATION L0112712     VOLUME   490764.660 3752964.756 486.02
   LOCATION L0112713     VOLUME   490776.552 3752948.461 485.39
   LOCATION L0112714     VOLUME   490788.443 3752932.165 484.75
   LOCATION L0112715     VOLUME   490800.334 3752915.870 484.12
   LOCATION L0112716     VOLUME   490812.225 3752899.574 483.48
   LOCATION L0112717     VOLUME   490824.117 3752883.279 482.85
   LOCATION L0112718     VOLUME   490836.008 3752866.983 482.21
   LOCATION L0112719     VOLUME   490847.899 3752850.688 481.58
   LOCATION L0112720     VOLUME   490859.791 3752834.392 480.94
   LOCATION L0112721     VOLUME   490871.682 3752818.097 480.31
   LOCATION L0112722     VOLUME   490883.573 3752801.802 479.67
   LOCATION L0112723     VOLUME   490895.464 3752785.506 479.04
   LOCATION L0112724     VOLUME   490907.356 3752769.211 478.40
   LOCATION L0112725     VOLUME   490919.247 3752752.915 477.77
   LOCATION L0112726     VOLUME   490931.138 3752736.620 477.13
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   LOCATION L0112727     VOLUME   490943.030 3752720.324 476.50
   LOCATION L0112728     VOLUME   490954.921 3752704.029 475.86
   LOCATION L0112729     VOLUME   490966.812 3752687.733 475.23
   LOCATION L0112730     VOLUME   490978.703 3752671.438 474.59
   LOCATION L0112731     VOLUME   490990.595 3752655.142 473.96
   LOCATION L0112732     VOLUME   491002.486 3752638.847 473.32
   LOCATION L0112733     VOLUME   491014.377 3752622.551 472.69
   LOCATION L0112734     VOLUME   491026.269 3752606.256 472.05
   LOCATION L0112735     VOLUME   491038.160 3752589.960 471.42
   LOCATION L0112736     VOLUME   491050.051 3752573.665 470.78
   LOCATION L0112737     VOLUME   491061.942 3752557.370 470.15
   LOCATION L0112738     VOLUME   491073.834 3752541.074 469.51
   LOCATION L0112739     VOLUME   491085.725 3752524.779 468.88
   LOCATION L0112740     VOLUME   491097.616 3752508.483 468.24
   LOCATION L0112741     VOLUME   491109.508 3752492.188 467.60
   LOCATION L0112742     VOLUME   491121.399 3752475.892 466.97
   LOCATION L0112743     VOLUME   491133.290 3752459.597 466.33
   LOCATION L0112744     VOLUME   491145.181 3752443.301 465.70
   LOCATION L0112745     VOLUME   491157.073 3752427.006 465.06
   LOCATION L0112746     VOLUME   491168.964 3752410.710 464.43
   LOCATION L0112747     VOLUME   491180.855 3752394.415 463.79
   LOCATION L0112748     VOLUME   491192.747 3752378.119 463.16
** End of LINE VOLUME Source ID = SEGMENT31
   LOCATION PHASE2       AREAPOLY   485955.126  3753354.752      492.230
** Source Parameters **
   SRCPARAM PHASE1        4.04E-07     2.900        11
   AREAVERT PHASE1       485577.456 3755020.364 485577.456 3753474.160
   AREAVERT PHASE1       485908.786 3753474.160 485923.846 3753288.414
   AREAVERT PHASE1       486892.734 3753283.394 487138.721 3753248.253
   AREAVERT PHASE1       488479.099 3753223.153 488464.038 3754287.423
   AREAVERT PHASE1       488107.608 3754729.196 487153.781 3754759.316
   AREAVERT PHASE1       487138.721 3755010.324
** LINE VOLUME Source ID = SEGMENT01
   SRCPARAM L0112381     0.0156166667      1.70     27.35      0.40
   SRCPARAM L0112382     0.0156166667      1.70     27.35      0.40
   SRCPARAM L0112383     0.0156166667      1.70     27.35      0.40
   SRCPARAM L0112384     0.0156166667      1.70     27.35      0.40
   SRCPARAM L0112385     0.0156166667      1.70     27.35      0.40
   SRCPARAM L0112386     0.0156166667      1.70     27.35      0.40
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT02
   SRCPARAM L0112387        0.0316      1.90     30.03      0.44
   SRCPARAM L0112388        0.0316      1.90     30.03      0.44
   SRCPARAM L0112389        0.0316      1.90     30.03      0.44
   SRCPARAM L0112390        0.0316      1.90     30.03      0.44
   SRCPARAM L0112391        0.0316      1.90     30.03      0.44
   SRCPARAM L0112392        0.0316      1.90     30.03      0.44
   SRCPARAM L0112393        0.0316      1.90     30.03      0.44
   SRCPARAM L0112394        0.0316      1.90     30.03      0.44
   SRCPARAM L0112395        0.0316      1.90     30.03      0.44
   SRCPARAM L0112396        0.0316      1.90     30.03      0.44
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT03
   SRCPARAM L0111700     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111701     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111702     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111703     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111704     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111705     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111706     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111707     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111708     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111709     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111710     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111711     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111712     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111713     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111714     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111715     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111716     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111717     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111718     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111719     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111720     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111721     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111722     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111723     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111724     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111725     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111726     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111727     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111728     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111729     0.007483871      1.90     18.01      0.44
   SRCPARAM L0111730     0.007483871      1.90     18.01      0.44
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT04
   SRCPARAM L0111731      0.002592      1.20     17.72      0.28
   SRCPARAM L0111732      0.002592      1.20     17.72      0.28
   SRCPARAM L0111733      0.002592      1.20     17.72      0.28
   SRCPARAM L0111734      0.002592      1.20     17.72      0.28
   SRCPARAM L0111735      0.002592      1.20     17.72      0.28
   SRCPARAM L0111736      0.002592      1.20     17.72      0.28
   SRCPARAM L0111737      0.002592      1.20     17.72      0.28
   SRCPARAM L0111738      0.002592      1.20     17.72      0.28
   SRCPARAM L0111739      0.002592      1.20     17.72      0.28
   SRCPARAM L0111740      0.002592      1.20     17.72      0.28
   SRCPARAM L0111741      0.002592      1.20     17.72      0.28
   SRCPARAM L0111742      0.002592      1.20     17.72      0.28
   SRCPARAM L0111743      0.002592      1.20     17.72      0.28
   SRCPARAM L0111744      0.002592      1.20     17.72      0.28
   SRCPARAM L0111745      0.002592      1.20     17.72      0.28
   SRCPARAM L0111746      0.002592      1.20     17.72      0.28
   SRCPARAM L0111747      0.002592      1.20     17.72      0.28
   SRCPARAM L0111748      0.002592      1.20     17.72      0.28
   SRCPARAM L0111749      0.002592      1.20     17.72      0.28
   SRCPARAM L0111750      0.002592      1.20     17.72      0.28
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   SRCPARAM L0111751      0.002592      1.20     17.72      0.28
   SRCPARAM L0111752      0.002592      1.20     17.72      0.28
   SRCPARAM L0111753      0.002592      1.20     17.72      0.28
   SRCPARAM L0111754      0.002592      1.20     17.72      0.28
   SRCPARAM L0111755      0.002592      1.20     17.72      0.28
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT05
   SRCPARAM L0112397     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112398     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112399     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112400     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112401     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112402     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112403     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112404     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112405     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112406     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112407     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112408     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112409     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112410     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112411     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112412     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112413     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112414     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112415     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112416     0.0073333333      1.10     24.05      0.26
   SRCPARAM L0112417     0.0073333333      1.10     24.05      0.26
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT06
   SRCPARAM L0112418     0.0127894737      1.80     29.19      0.42
   SRCPARAM L0112419     0.0127894737      1.80     29.19      0.42
   SRCPARAM L0112420     0.0127894737      1.80     29.19      0.42
   SRCPARAM L0112421     0.0127894737      1.80     29.19      0.42
   SRCPARAM L0112422     0.0127894737      1.80     29.19      0.42
   SRCPARAM L0112423     0.0127894737      1.80     29.19      0.42
   SRCPARAM L0112424     0.0127894737      1.80     29.19      0.42
   SRCPARAM L0112425     0.0127894737      1.80     29.19      0.42
   SRCPARAM L0112426     0.0127894737      1.80     29.19      0.42
   SRCPARAM L0112427     0.0127894737      1.80     29.19      0.42
   SRCPARAM L0112428     0.0127894737      1.80     29.19      0.42
   SRCPARAM L0112429     0.0127894737      1.80     29.19      0.42
   SRCPARAM L0112430     0.0127894737      1.80     29.19      0.42
   SRCPARAM L0112431     0.0127894737      1.80     29.19      0.42
   SRCPARAM L0112432     0.0127894737      1.80     29.19      0.42
   SRCPARAM L0112433     0.0127894737      1.80     29.19      0.42
   SRCPARAM L0112434     0.0127894737      1.80     29.19      0.42
   SRCPARAM L0112435     0.0127894737      1.80     29.19      0.42
   SRCPARAM L0112436     0.0127894737      1.80     29.19      0.42
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT07
   SRCPARAM L0111796     0.0038333333      1.70     29.21      0.40
   SRCPARAM L0111797     0.0038333333      1.70     29.21      0.40
   SRCPARAM L0111798     0.0038333333      1.70     29.21      0.40
   SRCPARAM L0111799     0.0038333333      1.70     29.21      0.40
   SRCPARAM L0111800     0.0038333333      1.70     29.21      0.40
   SRCPARAM L0111801     0.0038333333      1.70     29.21      0.40
   SRCPARAM L0111802     0.0038333333      1.70     29.21      0.40
   SRCPARAM L0111803     0.0038333333      1.70     29.21      0.40
   SRCPARAM L0111804     0.0038333333      1.70     29.21      0.40
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT08
   SRCPARAM L0111805        0.0072      1.10     18.01      0.26
   SRCPARAM L0111806        0.0072      1.10     18.01      0.26
   SRCPARAM L0111807        0.0072      1.10     18.01      0.26
   SRCPARAM L0111808        0.0072      1.10     18.01      0.26
   SRCPARAM L0111809        0.0072      1.10     18.01      0.26
   SRCPARAM L0111810        0.0072      1.10     18.01      0.26
   SRCPARAM L0111811        0.0072      1.10     18.01      0.26
   SRCPARAM L0111812        0.0072      1.10     18.01      0.26
   SRCPARAM L0111813        0.0072      1.10     18.01      0.26
   SRCPARAM L0111814        0.0072      1.10     18.01      0.26
   SRCPARAM L0111815        0.0072      1.10     18.01      0.26
   SRCPARAM L0111816        0.0072      1.10     18.01      0.26
   SRCPARAM L0111817        0.0072      1.10     18.01      0.26
   SRCPARAM L0111818        0.0072      1.10     18.01      0.26
   SRCPARAM L0111819        0.0072      1.10     18.01      0.26
   SRCPARAM L0111820        0.0072      1.10     18.01      0.26
   SRCPARAM L0111821        0.0072      1.10     18.01      0.26
   SRCPARAM L0111822        0.0072      1.10     18.01      0.26
   SRCPARAM L0111823        0.0072      1.10     18.01      0.26
   SRCPARAM L0111824        0.0072      1.10     18.01      0.26
   SRCPARAM L0111825        0.0072      1.10     18.01      0.26
   SRCPARAM L0111826        0.0072      1.10     18.01      0.26
   SRCPARAM L0111827        0.0072      1.10     18.01      0.26
   SRCPARAM L0111828        0.0072      1.10     18.01      0.26
   SRCPARAM L0111829        0.0072      1.10     18.01      0.26
   SRCPARAM L0111830        0.0072      1.10     18.01      0.26
   SRCPARAM L0111831        0.0072      1.10     18.01      0.26
   SRCPARAM L0111832        0.0072      1.10     18.01      0.26
   SRCPARAM L0111833        0.0072      1.10     18.01      0.26
   SRCPARAM L0111834        0.0072      1.10     18.01      0.26
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT11
   SRCPARAM L0112437     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112438     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112439     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112440     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112441     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112442     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112443     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112444     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112445     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112446     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112447     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112448     0.0029166667      1.00     15.74      0.23
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   SRCPARAM L0112449     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112450     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112451     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112452     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112453     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112454     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112455     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112456     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112457     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112458     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112459     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112460     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112461     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112462     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112463     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112464     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112465     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112466     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112467     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112468     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112469     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112470     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112471     0.0029166667      1.00     15.74      0.23
   SRCPARAM L0112472     0.0029166667      1.00     15.74      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT12
   SRCPARAM L0112473       0.00572      1.30     15.63      0.30
   SRCPARAM L0112474       0.00572      1.30     15.63      0.30
   SRCPARAM L0112475       0.00572      1.30     15.63      0.30
   SRCPARAM L0112476       0.00572      1.30     15.63      0.30
   SRCPARAM L0112477       0.00572      1.30     15.63      0.30
   SRCPARAM L0112478       0.00572      1.30     15.63      0.30
   SRCPARAM L0112479       0.00572      1.30     15.63      0.30
   SRCPARAM L0112480       0.00572      1.30     15.63      0.30
   SRCPARAM L0112481       0.00572      1.30     15.63      0.30
   SRCPARAM L0112482       0.00572      1.30     15.63      0.30
   SRCPARAM L0112483       0.00572      1.30     15.63      0.30
   SRCPARAM L0112484       0.00572      1.30     15.63      0.30
   SRCPARAM L0112485       0.00572      1.30     15.63      0.30
   SRCPARAM L0112486       0.00572      1.30     15.63      0.30
   SRCPARAM L0112487       0.00572      1.30     15.63      0.30
   SRCPARAM L0112488       0.00572      1.30     15.63      0.30
   SRCPARAM L0112489       0.00572      1.30     15.63      0.30
   SRCPARAM L0112490       0.00572      1.30     15.63      0.30
   SRCPARAM L0112491       0.00572      1.30     15.63      0.30
   SRCPARAM L0112492       0.00572      1.30     15.63      0.30
   SRCPARAM L0112493       0.00572      1.30     15.63      0.30
   SRCPARAM L0112494       0.00572      1.30     15.63      0.30
   SRCPARAM L0112495       0.00572      1.30     15.63      0.30
   SRCPARAM L0112496       0.00572      1.30     15.63      0.30
   SRCPARAM L0112497       0.00572      1.30     15.63      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT14
   SRCPARAM L0111896     0.0072222222      1.70     23.83      0.40
   SRCPARAM L0111897     0.0072222222      1.70     23.83      0.40
   SRCPARAM L0111898     0.0072222222      1.70     23.83      0.40
   SRCPARAM L0111899     0.0072222222      1.70     23.83      0.40
   SRCPARAM L0111900     0.0072222222      1.70     23.83      0.40
   SRCPARAM L0111901     0.0072222222      1.70     23.83      0.40
   SRCPARAM L0111902     0.0072222222      1.70     23.83      0.40
   SRCPARAM L0111903     0.0072222222      1.70     23.83      0.40
   SRCPARAM L0111904     0.0072222222      1.70     23.83      0.40
   SRCPARAM L0111905     0.0072222222      1.70     23.83      0.40
   SRCPARAM L0111906     0.0072222222      1.70     23.83      0.40
   SRCPARAM L0111907     0.0072222222      1.70     23.83      0.40
   SRCPARAM L0111908     0.0072222222      1.70     23.83      0.40
   SRCPARAM L0111909     0.0072222222      1.70     23.83      0.40
   SRCPARAM L0111910     0.0072222222      1.70     23.83      0.40
   SRCPARAM L0111911     0.0072222222      1.70     23.83      0.40
   SRCPARAM L0111912     0.0072222222      1.70     23.83      0.40
   SRCPARAM L0111913     0.0072222222      1.70     23.83      0.40
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT15
   SRCPARAM L0112498        0.0059      1.70     23.51      0.40
   SRCPARAM L0112499        0.0059      1.70     23.51      0.40
   SRCPARAM L0112500        0.0059      1.70     23.51      0.40
   SRCPARAM L0112501        0.0059      1.70     23.51      0.40
   SRCPARAM L0112502        0.0059      1.70     23.51      0.40
   SRCPARAM L0112503        0.0059      1.70     23.51      0.40
   SRCPARAM L0112504        0.0059      1.70     23.51      0.40
   SRCPARAM L0112505        0.0059      1.70     23.51      0.40
   SRCPARAM L0112506        0.0059      1.70     23.51      0.40
   SRCPARAM L0112507        0.0059      1.70     23.51      0.40
   SRCPARAM L0112508        0.0059      1.70     23.51      0.40
   SRCPARAM L0112509        0.0059      1.70     23.51      0.40
   SRCPARAM L0112510        0.0059      1.70     23.51      0.40
   SRCPARAM L0112511        0.0059      1.70     23.51      0.40
   SRCPARAM L0112512        0.0059      1.70     23.51      0.40
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT18
   SRCPARAM L0111929      0.002175      1.60     23.38      0.37
   SRCPARAM L0111930      0.002175      1.60     23.38      0.37
   SRCPARAM L0111931      0.002175      1.60     23.38      0.37
   SRCPARAM L0111932      0.002175      1.60     23.38      0.37
   SRCPARAM L0111933      0.002175      1.60     23.38      0.37
   SRCPARAM L0111934      0.002175      1.60     23.38      0.37
   SRCPARAM L0111935      0.002175      1.60     23.38      0.37
   SRCPARAM L0111936      0.002175      1.60     23.38      0.37
   SRCPARAM L0111937      0.002175      1.60     23.38      0.37
   SRCPARAM L0111938      0.002175      1.60     23.38      0.37
   SRCPARAM L0111939      0.002175      1.60     23.38      0.37
   SRCPARAM L0111940      0.002175      1.60     23.38      0.37
   SRCPARAM L0111941      0.002175      1.60     23.38      0.37
   SRCPARAM L0111942      0.002175      1.60     23.38      0.37
   SRCPARAM L0111943      0.002175      1.60     23.38      0.37
   SRCPARAM L0111944      0.002175      1.60     23.38      0.37
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** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT18A
   SRCPARAM L0111945     0.0013692308      1.50     24.10      0.35
   SRCPARAM L0111946     0.0013692308      1.50     24.10      0.35
   SRCPARAM L0111947     0.0013692308      1.50     24.10      0.35
   SRCPARAM L0111948     0.0013692308      1.50     24.10      0.35
   SRCPARAM L0111949     0.0013692308      1.50     24.10      0.35
   SRCPARAM L0111950     0.0013692308      1.50     24.10      0.35
   SRCPARAM L0111951     0.0013692308      1.50     24.10      0.35
   SRCPARAM L0111952     0.0013692308      1.50     24.10      0.35
   SRCPARAM L0111953     0.0013692308      1.50     24.10      0.35
   SRCPARAM L0111954     0.0013692308      1.50     24.10      0.35
   SRCPARAM L0111955     0.0013692308      1.50     24.10      0.35
   SRCPARAM L0111956     0.0013692308      1.50     24.10      0.35
   SRCPARAM L0111957     0.0013692308      1.50     24.10      0.35
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT19
   SRCPARAM L0111958     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111959     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111960     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111961     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111962     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111963     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111964     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111965     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111966     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111967     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111968     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111969     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111970     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111971     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111972     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111973     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111974     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111975     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111976     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111977     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111978     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111979     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111980     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111981     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111982     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111983     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111984     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111985     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111986     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111987     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111988     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111989     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111990     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111991     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111992     0.0023472222      1.90     17.64      0.44
   SRCPARAM L0111993     0.0023472222      1.90     17.64      0.44
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT20
   SRCPARAM L0111994     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0111995     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0111996     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0111997     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0111998     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0111999     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112000     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112001     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112002     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112003     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112004     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112005     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112006     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112007     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112008     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112009     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112010     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112011     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112012     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112013     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112014     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112015     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112016     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112017     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112018     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112019     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112020     0.0013678571      1.20     18.04      0.28
   SRCPARAM L0112021     0.0013678571      1.20     18.04      0.28
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT21
   SRCPARAM L0112513     0.0087857143      1.50     22.81      0.35
   SRCPARAM L0112514     0.0087857143      1.50     22.81      0.35
   SRCPARAM L0112515     0.0087857143      1.50     22.81      0.35
   SRCPARAM L0112516     0.0087857143      1.50     22.81      0.35
   SRCPARAM L0112517     0.0087857143      1.50     22.81      0.35
   SRCPARAM L0112518     0.0087857143      1.50     22.81      0.35
   SRCPARAM L0112519     0.0087857143      1.50     22.81      0.35
   SRCPARAM L0112520     0.0087857143      1.50     22.81      0.35
   SRCPARAM L0112521     0.0087857143      1.50     22.81      0.35
   SRCPARAM L0112522     0.0087857143      1.50     22.81      0.35
   SRCPARAM L0112523     0.0087857143      1.50     22.81      0.35
   SRCPARAM L0112524     0.0087857143      1.50     22.81      0.35
   SRCPARAM L0112525     0.0087857143      1.50     22.81      0.35
   SRCPARAM L0112526     0.0087857143      1.50     22.81      0.35
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT22
   SRCPARAM L0112036     0.0087857143      1.50     24.24      0.35
   SRCPARAM L0112037     0.0087857143      1.50     24.24      0.35
   SRCPARAM L0112038     0.0087857143      1.50     24.24      0.35
   SRCPARAM L0112039     0.0087857143      1.50     24.24      0.35
   SRCPARAM L0112040     0.0087857143      1.50     24.24      0.35
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   SRCPARAM L0112041     0.0087857143      1.50     24.24      0.35
   SRCPARAM L0112042     0.0087857143      1.50     24.24      0.35
   SRCPARAM L0112043     0.0087857143      1.50     24.24      0.35
   SRCPARAM L0112044     0.0087857143      1.50     24.24      0.35
   SRCPARAM L0112045     0.0087857143      1.50     24.24      0.35
   SRCPARAM L0112046     0.0087857143      1.50     24.24      0.35
   SRCPARAM L0112047     0.0087857143      1.50     24.24      0.35
   SRCPARAM L0112048     0.0087857143      1.50     24.24      0.35
   SRCPARAM L0112049     0.0087857143      1.50     24.24      0.35
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT23
   SRCPARAM L0112050     0.0042583333      1.70     18.10      0.40
   SRCPARAM L0112051     0.0042583333      1.70     18.10      0.40
   SRCPARAM L0112052     0.0042583333      1.70     18.10      0.40
   SRCPARAM L0112053     0.0042583333      1.70     18.10      0.40
   SRCPARAM L0112054     0.0042583333      1.70     18.10      0.40
   SRCPARAM L0112055     0.0042583333      1.70     18.10      0.40
   SRCPARAM L0112056     0.0042583333      1.70     18.10      0.40
   SRCPARAM L0112057     0.0042583333      1.70     18.10      0.40
   SRCPARAM L0112058     0.0042583333      1.70     18.10      0.40
   SRCPARAM L0112059     0.0042583333      1.70     18.10      0.40
   SRCPARAM L0112060     0.0042583333      1.70     18.10      0.40
   SRCPARAM L0112061     0.0042583333      1.70     18.10      0.40
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT24
   SRCPARAM L0112062     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112063     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112064     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112065     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112066     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112067     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112068     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112069     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112070     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112071     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112072     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112073     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112074     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112075     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112076     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112077     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112078     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112079     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112080     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112081     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112082     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112083     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112084     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112085     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112086     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112087     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112088     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112089     0.0061724138      1.40     23.53      0.33
   SRCPARAM L0112090     0.0061724138      1.40     23.53      0.33
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT25
   SRCPARAM L0112527       0.00985      1.60     22.24      0.37
   SRCPARAM L0112528       0.00985      1.60     22.24      0.37
   SRCPARAM L0112529       0.00985      1.60     22.24      0.37
   SRCPARAM L0112530       0.00985      1.60     22.24      0.37
   SRCPARAM L0112531       0.00985      1.60     22.24      0.37
   SRCPARAM L0112532       0.00985      1.60     22.24      0.37
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT26
   SRCPARAM L0112097     0.0033384615      1.70     15.51      0.40
   SRCPARAM L0112098     0.0033384615      1.70     15.51      0.40
   SRCPARAM L0112099     0.0033384615      1.70     15.51      0.40
   SRCPARAM L0112100     0.0033384615      1.70     15.51      0.40
   SRCPARAM L0112101     0.0033384615      1.70     15.51      0.40
   SRCPARAM L0112102     0.0033384615      1.70     15.51      0.40
   SRCPARAM L0112103     0.0033384615      1.70     15.51      0.40
   SRCPARAM L0112104     0.0033384615      1.70     15.51      0.40
   SRCPARAM L0112105     0.0033384615      1.70     15.51      0.40
   SRCPARAM L0112106     0.0033384615      1.70     15.51      0.40
   SRCPARAM L0112107     0.0033384615      1.70     15.51      0.40
   SRCPARAM L0112108     0.0033384615      1.70     15.51      0.40
   SRCPARAM L0112109     0.0033384615      1.70     15.51      0.40
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT27
   SRCPARAM L0112110     0.0023454545      1.70     15.35      0.40
   SRCPARAM L0112111     0.0023454545      1.70     15.35      0.40
   SRCPARAM L0112112     0.0023454545      1.70     15.35      0.40
   SRCPARAM L0112113     0.0023454545      1.70     15.35      0.40
   SRCPARAM L0112114     0.0023454545      1.70     15.35      0.40
   SRCPARAM L0112115     0.0023454545      1.70     15.35      0.40
   SRCPARAM L0112116     0.0023454545      1.70     15.35      0.40
   SRCPARAM L0112117     0.0023454545      1.70     15.35      0.40
   SRCPARAM L0112118     0.0023454545      1.70     15.35      0.40
   SRCPARAM L0112119     0.0023454545      1.70     15.35      0.40
   SRCPARAM L0112120     0.0023454545      1.70     15.35      0.40
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT28
   SRCPARAM L0112121     0.0015409091      1.70     15.60      0.40
   SRCPARAM L0112122     0.0015409091      1.70     15.60      0.40
   SRCPARAM L0112123     0.0015409091      1.70     15.60      0.40
   SRCPARAM L0112124     0.0015409091      1.70     15.60      0.40
   SRCPARAM L0112125     0.0015409091      1.70     15.60      0.40
   SRCPARAM L0112126     0.0015409091      1.70     15.60      0.40
   SRCPARAM L0112127     0.0015409091      1.70     15.60      0.40
   SRCPARAM L0112128     0.0015409091      1.70     15.60      0.40
   SRCPARAM L0112129     0.0015409091      1.70     15.60      0.40
   SRCPARAM L0112130     0.0015409091      1.70     15.60      0.40
   SRCPARAM L0112131     0.0015409091      1.70     15.60      0.40
   SRCPARAM L0112132     0.0015409091      1.70     15.60      0.40
   SRCPARAM L0112133     0.0015409091      1.70     15.60      0.40
   SRCPARAM L0112134     0.0015409091      1.70     15.60      0.40
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   SRCPARAM L0112135     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112136     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112137     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112138     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112139     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112140     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112141     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112142     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112143     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112144     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112145     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112146     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112147     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112148     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112149     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112150     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112151     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112152     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112153     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112154     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112155     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112156     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112157     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112158     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112159     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112160     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112161     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112162     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112163     0.0015409091      1.70      15.60      0.40
   SRCPARAM L0112164     0.0015409091      1.70      15.60      0.40
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT29
   SRCPARAM L0112533     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112534     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112535     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112536     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112537     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112538     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112539     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112540     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112541     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112542     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112543     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112544     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112545     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112546     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112547     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112548     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112549     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112550     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112551     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112552     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112553     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112554     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112555     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112556     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112557     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112558     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112559     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112560     0.0047931034      1.00       9.20      0.23
   SRCPARAM L0112561     0.0047931034      1.00       9.20      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT30
   SRCPARAM L0112562     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112563     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112564     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112565     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112566     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112567     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112568     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112569     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112570     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112571     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112572     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112573     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112574     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112575     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112576     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112577     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112578     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112579     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112580     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112581     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112582     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112583     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112584     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112585     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112586     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112587     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112588     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112589     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112590     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112591     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112592     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112593     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112594     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112595     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112596     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112597     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112598     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112599     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112600     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112601     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112602     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112603     0.0053944954      1.00       9.32      0.23
   SRCPARAM L0112604     0.0053944954      1.00       9.32      0.23
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   SRCPARAM L0112605     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112606     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112607     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112608     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112609     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112610     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112611     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112612     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112613     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112614     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112615     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112616     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112617     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112618     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112619     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112620     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112621     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112622     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112623     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112624     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112625     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112626     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112627     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112628     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112629     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112630     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112631     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112632     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112633     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112634     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112635     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112636     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112637     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112638     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112639     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112640     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112641     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112642     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112643     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112644     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112645     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112646     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112647     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112648     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112649     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112650     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112651     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112652     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112653     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112654     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112655     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112656     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112657     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112658     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112659     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112660     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112661     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112662     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112663     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112664     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112665     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112666     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112667     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112668     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112669     0.0053944954      1.00      9.32      0.23
   SRCPARAM L0112670     0.0053944954      1.00      9.32      0.23
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT31
   SRCPARAM L0112671     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112672     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112673     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112674     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112675     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112676     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112677     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112678     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112679     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112680     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112681     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112682     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112683     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112684     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112685     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112686     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112687     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112688     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112689     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112690     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112691     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112692     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112693     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112694     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112695     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112696     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112697     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112698     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112699     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112700     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112701     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112702     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112703     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112704     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112705     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112706     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112707     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112708     0.0053717949      1.00      9.38      0.23
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   SRCPARAM L0112709     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112710     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112711     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112712     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112713     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112714     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112715     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112716     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112717     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112718     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112719     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112720     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112721     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112722     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112723     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112724     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112725     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112726     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112727     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112728     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112729     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112730     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112731     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112732     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112733     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112734     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112735     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112736     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112737     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112738     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112739     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112740     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112741     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112742     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112743     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112744     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112745     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112746     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112747     0.0053717949      1.00      9.38      0.23
   SRCPARAM L0112748     0.0053717949      1.00      9.38      0.23
** ---------------------------------------------------------------------
   SRCPARAM PHASE2         3.7E-07     3.000        24
   AREAVERT PHASE2       485955.126 3753354.752 485960.607 3752757.752
   AREAVERT PHASE2       487265.046 3752735.752 487270.339 3752537.752
   AREAVERT PHASE2       488306.339 3752532.752 488311.339 3752861.752
   AREAVERT PHASE2       489243.339 3752833.752 489248.339 3752439.752
   AREAVERT PHASE2       491062.339 3752444.752 490854.339 3752883.752
   AREAVERT PHASE2       490487.339 3753222.752 488733.750 3754233.804
   AREAVERT PHASE2       488611.086 3754487.983 488405.339 3754467.752
   AREAVERT PHASE2       487997.339 3755020.752 487759.339 3755283.752
   AREAVERT PHASE2       487242.339 3755300.752 487234.339 3755007.752
   AREAVERT PHASE2       487990.339 3755019.752 488170.339 3754780.752
   AREAVERT PHASE2       488472.339 3754353.752 488465.339 3753305.752
   AREAVERT PHASE2       487133.339 3753283.752 486826.339 3753359.752
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED LST_CO_REV3_NR_REV1.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE RIVR2.SFC
   PROFFILE RIVR2.PFL
   SURFDATA 00002 2005
   UAIRDATA 3190 2005
   PROFBASE 250.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST 8TH
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST LST_CO_REV3_NR_REV1.AD\01H1GALL.PLT 31
   PLOTFILE 8 ALL 1ST LST_CO_REV3_NR_REV1.AD\08H1GALL.PLT 32
   PLOTFILE 1 ALL 8TH LST_CO_REV3_NR_REV1.AD\01H8GALL.PLT 33
   SUMMFILE LST_CO_REV3_NR_REV1.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)
```

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   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
ME W530    1986 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

************************************
*** SETUP Finishes Successfully ***
************************************

♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                   *** CO - LST Assessment (No Refrigeration)                                  ***        08:16:54
                                                                                                                          PAGE   1
**MODELOPTS:  NonDFAULT CONC                                                  ELEV
                        FASTALL

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

**Model Is Setup For Calculation of Average CONCentration Values.

  --  DEPOSITION LOGIC  --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
**Model Uses NO WET DEPLETION.  WETDPLT  =  F

**Model Uses URBAN Dispersion Algorithm for the SBL for   699 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =   2000000.0 ;  Urban Roughness Length =  1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTALL  - Use effective sigma-y to optimize meander for
                   POINT and VOLUME sources, and hybrid approach
                   to optimize AREA sources (formerly TOXICS option)

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates  2 Short Term Average(s) of:   1-HR   8-HR

**This Run Includes:    699 Source(s);       1 Source Group(s); and    1705 Receptor(s)

**The Model Assumes A Pollutant Type of:  CO

**Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   250.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      4.7 MB of RAM.

**Detailed Error/Message File:   LST_CO_REV3_NR_REV1.err
**File for Summary of Results:   LST_CO_REV3_NR_REV1.sum
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                   *** CO - LST Assessment (No Refrigeration)                                  ***        08:16:54
                                                                                                                          PAGE   2
**MODELOPTS:  NonDFAULT CONC                                                  ELEV
                        FASTALL


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.   URBAN  EMISSION RATE
  SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT     SY       SZ     SOURCE  SCALAR VARY
    ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)              BY
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

L0112381         0   0.15617E-01  487123.6 3755406.2   540.5     1.70    27.35     0.40     YES
L0112382         0   0.15617E-01  487123.6 3755347.4   538.9     1.70    27.35     0.40     YES
L0112383         0   0.15617E-01  487123.6 3755288.6   537.3     1.70    27.35     0.40     YES
L0112384         0   0.15617E-01  487123.6 3755229.8   535.7     1.70    27.35     0.40     YES
L0112385         0   0.15617E-01  487123.6 3755171.0   534.1     1.70    27.35     0.40     YES
L0112386         0   0.15617E-01  487123.6 3755112.2   532.4     1.70    27.35     0.40     YES
L0112387         0   0.31600E-01  487126.2 3755042.4   531.4     1.90    30.03     0.44     YES
L0112388         0   0.31600E-01  487126.5 3754977.8   528.8     1.90    30.03     0.44     YES
L0112389         0   0.31600E-01  487126.8 3754913.2   526.3     1.90    30.03     0.44     YES
L0112390         0   0.31600E-01  487127.0 3754848.7   523.8     1.90    30.03     0.44     YES
L0112391         0   0.31600E-01  487127.3 3754784.1   521.3     1.90    30.03     0.44     YES
L0112392         0   0.31600E-01  487127.6 3754719.5   518.7     1.90    30.03     0.44     YES
L0112393         0   0.31600E-01  487127.9 3754655.0   516.2     1.90    30.03     0.44     YES
L0112394         0   0.31600E-01  487128.2 3754590.4   513.7     1.90    30.03     0.44     YES
L0112395         0   0.31600E-01  487128.4 3754525.9   511.2     1.90    30.03     0.44     YES
L0112396         0   0.31600E-01  487128.7 3754461.3   508.6     1.90    30.03     0.44     YES
L0111700         0   0.74839E-02  487113.8 3754444.9   507.8     1.90    18.01     0.44     YES
L0111701         0   0.74839E-02  487075.0 3754445.3   511.3     1.90    18.01     0.44     YES
L0111702         0   0.74839E-02  487036.3 3754445.6   512.1     1.90    18.01     0.44     YES
L0111703         0   0.74839E-02  486997.6 3754445.9   512.1     1.90    18.01     0.44     YES
                                                                Page 20
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L0111704	0	0.74839E-02	486958.9	3754446.2	513.2	1.90	18.01	0.44	YES
L0111705	0	0.74839E-02	486920.1	3754446.6	514.0	1.90	18.01	0.44	YES
L0111706	0	0.74839E-02	486881.4	3754446.9	514.8	1.90	18.01	0.44	YES
L0111707	0	0.74839E-02	486842.7	3754447.2	515.9	1.90	18.01	0.44	YES
L0111708	0	0.74839E-02	486804.0	3754447.5	515.4	1.90	18.01	0.44	YES
L0111709	0	0.74839E-02	486765.3	3754447.9	516.1	1.90	18.01	0.44	YES
L0111710	0	0.74839E-02	486726.5	3754448.2	515.7	1.90	18.01	0.44	YES
L0111711	0	0.74839E-02	486687.8	3754448.5	514.3	1.90	18.01	0.44	YES
L0111712	0	0.74839E-02	486649.1	3754448.8	514.3	1.90	18.01	0.44	YES
L0111713	0	0.74839E-02	486610.4	3754449.2	514.9	1.90	18.01	0.44	YES
L0111714	0	0.74839E-02	486571.6	3754449.5	515.3	1.90	18.01	0.44	YES
L0111715	0	0.74839E-02	486532.9	3754449.8	514.6	1.90	18.01	0.44	YES
L0111716	0	0.74839E-02	486494.2	3754450.1	515.0	1.90	18.01	0.44	YES
L0111717	0	0.74839E-02	486455.5	3754450.5	514.5	1.90	18.01	0.44	YES
L0111718	0	0.74839E-02	486416.7	3754450.8	513.4	1.90	18.01	0.44	YES
L0111719	0	0.74839E-02	486378.0	3754451.1	513.4	1.90	18.01	0.44	YES
L0111720	0	0.74839E-02	486339.3	3754451.4	514.1	1.90	18.01	0.44	YES
L0111721	0	0.74839E-02	486300.6	3754451.8	515.0	1.90	18.01	0.44	YES
L0111722	0	0.74839E-02	486261.8	3754452.1	516.3	1.90	18.01	0.44	YES
L0111723	0	0.74839E-02	486223.1	3754452.4	516.8	1.90	18.01	0.44	YES

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111724	0	0.74839E-02	486184.7	3754451.5	514.9	1.90	18.01	0.44	YES	
L0111725	0	0.74839E-02	486151.5	3754431.5	512.5	1.90	18.01	0.44	YES	
L0111726	0	0.74839E-02	486118.3	3754411.6	510.2	1.90	18.01	0.44	YES	
L0111727	0	0.74839E-02	486085.1	3754391.7	509.3	1.90	18.01	0.44	YES	
L0111728	0	0.74839E-02	486051.9	3754371.8	509.0	1.90	18.01	0.44	YES	
L0111729	0	0.74839E-02	486030.1	3754341.3	509.3	1.90	18.01	0.44	YES	
L0111730	0	0.74839E-02	486012.8	3754306.6	509.9	1.90	18.01	0.44	YES	
L0111731	0	0.25920E-02	486005.7	3754293.4	510.6	1.20	17.72	0.28	YES	
L0111732	0	0.25920E-02	486005.3	3754255.3	509.5	1.20	17.72	0.28	YES	
L0111733	0	0.25920E-02	486004.9	3754217.2	507.6	1.20	17.72	0.28	YES	
L0111734	0	0.25920E-02	486004.6	3754179.1	507.9	1.20	17.72	0.28	YES	
L0111735	0	0.25920E-02	486004.2	3754141.1	508.0	1.20	17.72	0.28	YES	
L0111736	0	0.25920E-02	486003.8	3754103.0	506.8	1.20	17.72	0.28	YES	
L0111737	0	0.25920E-02	486003.4	3754064.9	506.3	1.20	17.72	0.28	YES	
L0111738	0	0.25920E-02	486003.1	3754026.8	505.2	1.20	17.72	0.28	YES	
L0111739	0	0.25920E-02	486002.7	3753988.7	505.0	1.20	17.72	0.28	YES	
L0111740	0	0.25920E-02	486002.3	3753950.6	504.1	1.20	17.72	0.28	YES	
L0111741	0	0.25920E-02	486001.9	3753912.5	503.4	1.20	17.72	0.28	YES	
L0111742	0	0.25920E-02	486001.5	3753874.4	502.2	1.20	17.72	0.28	YES	
L0111743	0	0.25920E-02	486001.2	3753836.3	500.9	1.20	17.72	0.28	YES	
L0111744	0	0.25920E-02	486000.8	3753798.2	499.6	1.20	17.72	0.28	YES	
L0111745	0	0.25920E-02	486000.4	3753760.2	499.7	1.20	17.72	0.28	YES	
L0111746	0	0.25920E-02	486000.0	3753722.1	501.9	1.20	17.72	0.28	YES	
L0111747	0	0.25920E-02	485999.6	3753684.0	501.6	1.20	17.72	0.28	YES	
L0111748	0	0.25920E-02	485999.3	3753645.9	499.0	1.20	17.72	0.28	YES	
L0111749	0	0.25920E-02	485998.9	3753607.8	496.5	1.20	17.72	0.28	YES	
L0111750	0	0.25920E-02	485998.5	3753569.7	496.0	1.20	17.72	0.28	YES	
L0111751	0	0.25920E-02	485998.1	3753531.6	496.5	1.20	17.72	0.28	YES	
L0111752	0	0.25920E-02	486006.9	3753496.0	495.3	1.20	17.72	0.28	YES	
L0111753	0	0.25920E-02	486026.7	3753463.5	492.8	1.20	17.72	0.28	YES	
L0111754	0	0.25920E-02	486046.5	3753431.0	491.4	1.20	17.72	0.28	YES	
L0111755	0	0.25920E-02	486066.3	3753398.4	492.3	1.20	17.72	0.28	YES	
L0112397	0	0.73333E-02	486083.6	3753385.4	494.2	1.10	24.05	0.26	YES	
L0112398	0	0.73333E-02	486132.0	3753367.1	494.8	1.10	24.05	0.26	YES	
L0112399	0	0.73333E-02	486182.6	3753360.8	495.1	1.10	24.05	0.26	YES	
L0112400	0	0.73333E-02	486234.3	3753360.1	495.2	1.10	24.05	0.26	YES	
L0112401	0	0.73333E-02	486286.0	3753359.4	495.2	1.10	24.05	0.26	YES	
L0112402	0	0.73333E-02	486337.7	3753358.7	495.3	1.10	24.05	0.26	YES	
L0112403	0	0.73333E-02	486389.4	3753358.0	495.4	1.10	24.05	0.26	YES	
L0112404	0	0.73333E-02	486441.1	3753357.4	495.5	1.10	24.05	0.26	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112405	0	0.73333E-02	486492.9	3753356.7	495.6	1.10	24.05	0.26	YES	
L0112406	0	0.73333E-02	486544.6	3753356.0	495.7	1.10	24.05	0.26	YES	
L0112407	0	0.73333E-02	486596.3	3753355.3	495.8	1.10	24.05	0.26	YES	
L0112408	0	0.73333E-02	486648.0	3753354.6	495.8	1.10	24.05	0.26	YES	
L0112409	0	0.73333E-02	486699.7	3753353.9	495.9	1.10	24.05	0.26	YES	
L0112410	0	0.73333E-02	486751.2	3753351.7	495.9	1.10	24.05	0.26	YES	
L0112411	0	0.73333E-02	486801.8	3753341.0	495.1	1.10	24.05	0.26	YES	
L0112412	0	0.73333E-02	486852.4	3753330.4	494.2	1.10	24.05	0.26	YES	
L0112413	0	0.73333E-02	486903.0	3753319.8	493.4	1.10	24.05	0.26	YES	
L0112414	0	0.73333E-02	486953.6	3753309.2	492.6	1.10	24.05	0.26	YES	
L0112415	0	0.73333E-02	487004.2	3753298.6	491.8	1.10	24.05	0.26	YES	
L0112416	0	0.73333E-02	487054.8	3753288.0	491.0	1.10	24.05	0.26	YES	
L0112417	0	0.73333E-02	487105.5	3753277.3	490.2	1.10	24.05	0.26	YES	
L0112418	0	0.12789E-01	487123.3	3754433.6	511.7	1.80	29.19	0.42	YES	
L0112419	0	0.12789E-01	487122.3	3754370.9	510.5	1.80	29.19	0.42	YES	
L0112420	0	0.12789E-01	487121.3	3754308.1	509.3	1.80	29.19	0.42	YES	
L0112421	0	0.12789E-01	487120.3	3754245.4	508.1	1.80	29.19	0.42	YES	
L0112422	0	0.12789E-01	487119.3	3754182.7	506.9	1.80	29.19	0.42	YES	

L0112423	0	0.12789E-01	487118.3	3754119.9	505.8	1.80	29.19	0.42	YES
L0112424	0	0.12789E-01	487117.3	3754057.2	504.6	1.80	29.19	0.42	YES
L0112425	0	0.12789E-01	487116.3	3753994.4	503.4	1.80	29.19	0.42	YES
L0112426	0	0.12789E-01	487115.3	3753931.7	502.2	1.80	29.19	0.42	YES
L0112427	0	0.12789E-01	487114.3	3753868.9	501.0	1.80	29.19	0.42	YES
L0112428	0	0.12789E-01	487113.4	3753806.2	499.8	1.80	29.19	0.42	YES
L0112429	0	0.12789E-01	487112.4	3753743.4	498.6	1.80	29.19	0.42	YES
L0112430	0	0.12789E-01	487111.4	3753680.7	497.4	1.80	29.19	0.42	YES
L0112431	0	0.12789E-01	487110.4	3753618.0	496.2	1.80	29.19	0.42	YES
L0112432	0	0.12789E-01	487109.4	3753555.2	495.1	1.80	29.19	0.42	YES
L0112433	0	0.12789E-01	487108.4	3753492.5	493.9	1.80	29.19	0.42	YES
L0112434	0	0.12789E-01	487107.4	3753429.7	492.7	1.80	29.19	0.42	YES
L0112435	0	0.12789E-01	487106.4	3753367.0	491.5	1.80	29.19	0.42	YES
L0112436	0	0.12789E-01	487105.4	3753304.2	490.3	1.80	29.19	0.42	YES
L0111796	0	0.38333E-02	487102.6	3753284.4	489.2	1.70	29.21	0.40	YES
L0111797	0	0.38333E-02	487102.9	3753221.6	489.6	1.70	29.21	0.40	YES
L0111798	0	0.38333E-02	487103.2	3753158.8	486.8	1.70	29.21	0.40	YES
L0111799	0	0.38333E-02	487103.5	3753096.1	485.8	1.70	29.21	0.40	YES
L0111800	0	0.38333E-02	487103.8	3753033.3	485.0	1.70	29.21	0.40	YES
L0111801	0	0.38333E-02	487104.2	3752970.5	487.0	1.70	29.21	0.40	YES
L0111802	0	0.38333E-02	487104.5	3752907.7	484.9	1.70	29.21	0.40	YES
L0111803	0	0.38333E-02	487104.8	3752844.9	483.2	1.70	29.21	0.40	YES

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L0111804	0	0.38333E-02	487105.1	3752782.1	483.7	1.70	29.21	0.40	YES	
L0111805	0	0.72000E-02	486069.9	3753383.9	492.7	1.10	18.01	0.26	YES	
L0111806	0	0.72000E-02	486053.5	3753348.8	491.3	1.10	18.01	0.26	YES	
L0111807	0	0.72000E-02	486037.1	3753313.7	490.5	1.10	18.01	0.26	YES	
L0111808	0	0.72000E-02	486020.7	3753278.6	490.3	1.10	18.01	0.26	YES	
L0111809	0	0.72000E-02	486004.3	3753243.5	490.0	1.10	18.01	0.26	YES	
L0111810	0	0.72000E-02	485987.9	3753208.5	489.6	1.10	18.01	0.26	YES	
L0111811	0	0.72000E-02	485979.1	3753171.6	489.0	1.10	18.01	0.26	YES	
L0111812	0	0.72000E-02	485978.3	3753132.9	488.1	1.10	18.01	0.26	YES	
L0111813	0	0.72000E-02	485977.4	3753094.2	488.2	1.10	18.01	0.26	YES	
L0111814	0	0.72000E-02	485976.6	3753055.4	489.4	1.10	18.01	0.26	YES	
L0111815	0	0.72000E-02	485975.7	3753016.7	490.1	1.10	18.01	0.26	YES	
L0111816	0	0.72000E-02	485974.9	3752978.0	490.0	1.10	18.01	0.26	YES	
L0111817	0	0.72000E-02	485974.0	3752939.3	489.0	1.10	18.01	0.26	YES	
L0111818	0	0.72000E-02	485973.2	3752900.6	489.0	1.10	18.01	0.26	YES	
L0111819	0	0.72000E-02	485972.3	3752861.8	489.0	1.10	18.01	0.26	YES	
L0111820	0	0.72000E-02	485971.5	3752823.1	489.0	1.10	18.01	0.26	YES	
L0111821	0	0.72000E-02	485970.6	3752784.4	488.8	1.10	18.01	0.26	YES	
L0111822	0	0.72000E-02	485969.8	3752745.7	487.0	1.10	18.01	0.26	YES	
L0111823	0	0.72000E-02	485968.9	3752707.0	485.2	1.10	18.01	0.26	YES	
L0111824	0	0.72000E-02	485968.1	3752668.2	486.2	1.10	18.01	0.26	YES	
L0111825	0	0.72000E-02	485967.2	3752629.5	488.8	1.10	18.01	0.26	YES	
L0111826	0	0.72000E-02	485966.4	3752590.8	490.1	1.10	18.01	0.26	YES	
L0111827	0	0.72000E-02	485965.5	3752552.1	495.2	1.10	18.01	0.26	YES	
L0111828	0	0.72000E-02	485964.7	3752513.4	496.4	1.10	18.01	0.26	YES	
L0111829	0	0.72000E-02	485963.8	3752474.7	496.1	1.10	18.01	0.26	YES	
L0111830	0	0.72000E-02	485963.0	3752435.9	496.4	1.10	18.01	0.26	YES	
L0111831	0	0.72000E-02	485962.1	3752397.2	498.8	1.10	18.01	0.26	YES	
L0111832	0	0.72000E-02	485961.3	3752358.5	500.1	1.10	18.01	0.26	YES	
L0111833	0	0.72000E-02	485960.4	3752319.8	500.7	1.10	18.01	0.26	YES	
L0111834	0	0.72000E-02	485959.6	3752281.1	501.9	1.10	18.01	0.26	YES	
L0112437	0	0.29167E-02	485510.8	3754267.3	514.8	1.00	15.74	0.23	YES	
L0112438	0	0.29167E-02	485510.8	3754233.4	514.3	1.00	15.74	0.23	YES	
L0112439	0	0.29167E-02	485510.8	3754199.6	513.7	1.00	15.74	0.23	YES	
L0112440	0	0.29167E-02	485510.7	3754165.8	513.1	1.00	15.74	0.23	YES	
L0112441	0	0.29167E-02	485510.7	3754131.9	512.5	1.00	15.74	0.23	YES	
L0112442	0	0.29167E-02	485510.7	3754098.1	511.9	1.00	15.74	0.23	YES	
L0112443	0	0.29167E-02	485510.6	3754064.2	511.3	1.00	15.74	0.23	YES	
L0112444	0	0.29167E-02	485510.6	3754030.4	510.7	1.00	15.74	0.23	YES	
L0112445	0	0.29167E-02	485510.5	3753996.6	510.1	1.00	15.74	0.23	YES	

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L0112446	0	0.29167E-02	485510.5	3753962.7	509.5	1.00	15.74	0.23	YES	
L0112447	0	0.29167E-02	485510.5	3753928.9	508.9	1.00	15.74	0.23	YES	
L0112448	0	0.29167E-02	485510.4	3753895.1	508.3	1.00	15.74	0.23	YES	
L0112449	0	0.29167E-02	485510.4	3753861.2	507.8	1.00	15.74	0.23	YES	
L0112450	0	0.29167E-02	485510.4	3753827.4	507.2	1.00	15.74	0.23	YES	
L0112451	0	0.29167E-02	485510.3	3753793.6	506.6	1.00	15.74	0.23	YES	
L0112452	0	0.29167E-02	485510.3	3753759.7	506.0	1.00	15.74	0.23	YES	
L0112453	0	0.29167E-02	485510.3	3753725.9	505.4	1.00	15.74	0.23	YES	
L0112454	0	0.29167E-02	485510.2	3753692.0	504.8	1.00	15.74	0.23	YES	
L0112455	0	0.29167E-02	485510.2	3753658.2	504.2	1.00	15.74	0.23	YES	
L0112456	0	0.29167E-02	485510.1	3753624.4	503.6	1.00	15.74	0.23	YES	
L0112457	0	0.29167E-02	485510.1	3753590.5	503.0	1.00	15.74	0.23	YES	
L0112458	0	0.29167E-02	485510.1	3753556.7	502.4	1.00	15.74	0.23	YES	
L0112459	0	0.29167E-02	485510.0	3753522.9	501.8	1.00	15.74	0.23	YES	
L0112460	0	0.29167E-02	485510.0	3753489.0	501.2	1.00	15.74	0.23	YES	
L0112461	0	0.29167E-02	485510.0	3753455.2	500.7	1.00	15.74	0.23	YES	

L0112462	0	0.29167E-02	485509.9	3753421.4	500.1	1.00	15.74	0.23	YES
L0112463	0	0.29167E-02	485509.9	3753387.5	499.5	1.00	15.74	0.23	YES
L0112464	0	0.29167E-02	485509.8	3753353.7	498.9	1.00	15.74	0.23	YES
L0112465	0	0.29167E-02	485509.8	3753319.8	498.3	1.00	15.74	0.23	YES
L0112466	0	0.29167E-02	485509.8	3753286.0	497.7	1.00	15.74	0.23	YES
L0112467	0	0.29167E-02	485509.7	3753252.2	497.1	1.00	15.74	0.23	YES
L0112468	0	0.29167E-02	485509.7	3753218.3	496.5	1.00	15.74	0.23	YES
L0112469	0	0.29167E-02	485509.7	3753184.5	495.9	1.00	15.74	0.23	YES
L0112470	0	0.29167E-02	485509.6	3753150.7	495.3	1.00	15.74	0.23	YES
L0112471	0	0.29167E-02	485509.6	3753116.8	494.7	1.00	15.74	0.23	YES
L0112472	0	0.29167E-02	485509.6	3753083.0	494.2	1.00	15.74	0.23	YES
L0112473	0	0.57200E-02	485533.3	3755083.2	531.8	1.30	15.63	0.30	YES
L0112474	0	0.57200E-02	485532.5	3755049.6	531.1	1.30	15.63	0.30	YES
L0112475	0	0.57200E-02	485531.8	3755016.0	530.4	1.30	15.63	0.30	YES
L0112476	0	0.57200E-02	485531.1	3754982.4	529.7	1.30	15.63	0.30	YES
L0112477	0	0.57200E-02	485530.4	3754948.8	529.0	1.30	15.63	0.30	YES
L0112478	0	0.57200E-02	485529.7	3754915.2	528.4	1.30	15.63	0.30	YES
L0112479	0	0.57200E-02	485528.9	3754881.6	527.7	1.30	15.63	0.30	YES
L0112480	0	0.57200E-02	485528.2	3754848.0	527.0	1.30	15.63	0.30	YES
L0112481	0	0.57200E-02	485527.5	3754814.4	526.3	1.30	15.63	0.30	YES
L0112482	0	0.57200E-02	485526.8	3754780.8	525.6	1.30	15.63	0.30	YES
L0112483	0	0.57200E-02	485526.0	3754747.2	524.9	1.30	15.63	0.30	YES
L0112484	0	0.57200E-02	485525.3	3754713.6	524.2	1.30	15.63	0.30	YES
L0112485	0	0.57200E-02	485524.6	3754680.1	523.5	1.30	15.63	0.30	YES

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L0112486	0	0.57200E-02	485523.9	3754646.5	522.8	1.30	15.63	0.30	YES	
L0112487	0	0.57200E-02	485523.2	3754612.9	522.1	1.30	15.63	0.30	YES	
L0112488	0	0.57200E-02	485522.4	3754579.3	521.4	1.30	15.63	0.30	YES	
L0112489	0	0.57200E-02	485521.7	3754545.7	520.7	1.30	15.63	0.30	YES	
L0112490	0	0.57200E-02	485521.0	3754512.1	520.0	1.30	15.63	0.30	YES	
L0112491	0	0.57200E-02	485520.3	3754478.5	519.3	1.30	15.63	0.30	YES	
L0112492	0	0.57200E-02	485519.5	3754444.9	518.6	1.30	15.63	0.30	YES	
L0112493	0	0.57200E-02	485518.8	3754411.3	517.9	1.30	15.63	0.30	YES	
L0112494	0	0.57200E-02	485518.1	3754377.7	517.3	1.30	15.63	0.30	YES	
L0112495	0	0.57200E-02	485517.4	3754344.1	516.6	1.30	15.63	0.30	YES	
L0112496	0	0.57200E-02	485516.7	3754310.5	515.9	1.30	15.63	0.30	YES	
L0112497	0	0.57200E-02	485515.9	3754276.9	515.2	1.30	15.63	0.30	YES	
L0111896	0	0.72222E-02	485516.8	3755054.2	529.9	1.70	23.83	0.40	YES	
L0111897	0	0.72222E-02	485568.1	3755054.0	528.6	1.70	23.83	0.40	YES	
L0111898	0	0.72222E-02	485619.3	3755053.8	530.8	1.70	23.83	0.40	YES	
L0111899	0	0.72222E-02	485670.5	3755053.6	532.5	1.70	23.83	0.40	YES	
L0111900	0	0.72222E-02	485721.7	3755053.4	534.2	1.70	23.83	0.40	YES	
L0111901	0	0.72222E-02	485773.0	3755053.2	531.1	1.70	23.83	0.40	YES	
L0111902	0	0.72222E-02	485824.2	3755053.0	529.5	1.70	23.83	0.40	YES	
L0111903	0	0.72222E-02	485875.4	3755052.8	529.8	1.70	23.83	0.40	YES	
L0111904	0	0.72222E-02	485926.7	3755052.6	530.9	1.70	23.83	0.40	YES	
L0111905	0	0.72222E-02	485977.9	3755052.4	529.7	1.70	23.83	0.40	YES	
L0111906	0	0.72222E-02	486029.1	3755052.2	529.4	1.70	23.83	0.40	YES	
L0111907	0	0.72222E-02	486080.4	3755052.0	529.5	1.70	23.83	0.40	YES	
L0111908	0	0.72222E-02	486131.6	3755051.8	529.5	1.70	23.83	0.40	YES	
L0111909	0	0.72222E-02	486182.8	3755051.6	530.3	1.70	23.83	0.40	YES	
L0111910	0	0.72222E-02	486234.0	3755051.3	527.4	1.70	23.83	0.40	YES	
L0111911	0	0.72222E-02	486285.3	3755051.1	527.0	1.70	23.83	0.40	YES	
L0111912	0	0.72222E-02	486336.5	3755050.9	526.5	1.70	23.83	0.40	YES	
L0111913	0	0.72222E-02	486387.7	3755050.7	527.3	1.70	23.83	0.40	YES	
L0112498	0	0.59000E-02	486398.6	3755051.8	530.0	1.70	23.51	0.40	YES	
L0112499	0	0.59000E-02	486449.1	3755051.3	530.3	1.70	23.51	0.40	YES	
L0112500	0	0.59000E-02	486499.7	3755050.8	530.5	1.70	23.51	0.40	YES	
L0112501	0	0.59000E-02	486550.2	3755050.4	530.7	1.70	23.51	0.40	YES	
L0112502	0	0.59000E-02	486600.7	3755049.9	530.9	1.70	23.51	0.40	YES	
L0112503	0	0.59000E-02	486651.3	3755049.4	531.1	1.70	23.51	0.40	YES	
L0112504	0	0.59000E-02	486701.8	3755049.0	531.3	1.70	23.51	0.40	YES	
L0112505	0	0.59000E-02	486752.4	3755048.5	531.5	1.70	23.51	0.40	YES	
L0112506	0	0.59000E-02	486802.9	3755048.1	531.7	1.70	23.51	0.40	YES	
L0112507	0	0.59000E-02	486853.5	3755047.6	531.9	1.70	23.51	0.40	YES	

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L0112508	0	0.59000E-02	486904.0	3755047.1	532.1	1.70	23.51	0.40	YES	
L0112509	0	0.59000E-02	486954.6	3755046.7	532.3	1.70	23.51	0.40	YES	
L0112510	0	0.59000E-02	487005.1	3755046.2	532.5	1.70	23.51	0.40	YES	
L0112511	0	0.59000E-02	487055.7	3755045.8	532.7	1.70	23.51	0.40	YES	
L0112512	0	0.59000E-02	487106.2	3755045.3	532.9	1.70	23.51	0.40	YES	
L0111929	0	0.21750E-02	487151.1	3755042.2	530.6	1.60	23.38	0.37	YES	
L0111930	0	0.21750E-02	487201.3	3755039.4	528.0	1.60	23.38	0.37	YES	
L0111931	0	0.21750E-02	487251.5	3755036.7	528.5	1.60	23.38	0.37	YES	
L0111932	0	0.21750E-02	487301.7	3755033.9	528.6	1.60	23.38	0.37	YES	
L0111933	0	0.21750E-02	487351.3	3755025.8	526.0	1.60	23.38	0.37	YES	
L0111934	0	0.21750E-02	487400.9	3755017.8	524.6	1.60	23.38	0.37	YES	
L0111935	0	0.21750E-02	487450.5	3755009.8	524.4	1.60	23.38	0.37	YES	
L0111936	0	0.21750E-02	487500.1	3755001.7	526.0	1.60	23.38	0.37	YES	
L0111937	0	0.21750E-02	487549.9	3754996.4	528.3	1.60	23.38	0.37	YES	

L0111938	0	0.21750E-02	487600.2	3754997.7	529.2	1.60	23.38	0.37	YES
L0111939	0	0.21750E-02	487650.4	3754999.0	526.2	1.60	23.38	0.37	YES
L0111940	0	0.21750E-02	487700.6	3755000.3	523.0	1.60	23.38	0.37	YES
L0111941	0	0.21750E-02	487749.5	3754990.1	522.3	1.60	23.38	0.37	YES
L0111942	0	0.21750E-02	487798.0	3754976.9	523.3	1.60	23.38	0.37	YES
L0111943	0	0.21750E-02	487846.5	3754963.7	524.1	1.60	23.38	0.37	YES
L0111944	0	0.21750E-02	487895.0	3754950.4	525.8	1.60	23.38	0.37	YES
L0111945	0	0.13692E-02	487919.9	3754938.9	524.6	1.50	24.10	0.35	YES
L0111946	0	0.13692E-02	487964.8	3754913.0	521.9	1.50	24.10	0.35	YES
L0111947	0	0.13692E-02	488009.7	3754887.1	519.8	1.50	24.10	0.35	YES
L0111948	0	0.13692E-02	488053.4	3754859.6	519.4	1.50	24.10	0.35	YES
L0111949	0	0.13692E-02	488094.9	3754828.5	519.2	1.50	24.10	0.35	YES
L0111950	0	0.13692E-02	488136.3	3754797.4	520.5	1.50	24.10	0.35	YES
L0111951	0	0.13692E-02	488178.6	3754767.9	521.2	1.50	24.10	0.35	YES
L0111952	0	0.13692E-02	488228.5	3754753.9	522.9	1.50	24.10	0.35	YES
L0111953	0	0.13692E-02	488278.4	3754739.9	523.0	1.50	24.10	0.35	YES
L0111954	0	0.13692E-02	488329.2	3754731.6	521.5	1.50	24.10	0.35	YES
L0111955	0	0.13692E-02	488380.9	3754728.1	523.9	1.50	24.10	0.35	YES
L0111956	0	0.13692E-02	488432.6	3754724.6	528.0	1.50	24.10	0.35	YES
L0111957	0	0.13692E-02	488484.3	3754721.0	524.8	1.50	24.10	0.35	YES
L0111958	0	0.23472E-02	487131.3	3754448.5	506.6	1.90	17.64	0.44	YES
L0111959	0	0.23472E-02	487169.2	3754446.5	506.0	1.90	17.64	0.44	YES
L0111960	0	0.23472E-02	487207.0	3754444.4	508.1	1.90	17.64	0.44	YES
L0111961	0	0.23472E-02	487244.9	3754442.4	509.1	1.90	17.64	0.44	YES
L0111962	0	0.23472E-02	487282.8	3754440.4	509.8	1.90	17.64	0.44	YES
L0111963	0	0.23472E-02	487320.7	3754438.4	509.1	1.90	17.64	0.44	YES

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L0111964	0	0.23472E-02	487358.6	3754436.4	509.4	1.90	17.64	0.44	YES	
L0111965	0	0.23472E-02	487396.4	3754434.4	510.4	1.90	17.64	0.44	YES	
L0111966	0	0.23472E-02	487434.3	3754432.4	509.9	1.90	17.64	0.44	YES	
L0111967	0	0.23472E-02	487472.2	3754430.4	509.4	1.90	17.64	0.44	YES	
L0111968	0	0.23472E-02	487510.1	3754428.3	509.9	1.90	17.64	0.44	YES	
L0111969	0	0.23472E-02	487547.9	3754426.3	510.2	1.90	17.64	0.44	YES	
L0111970	0	0.23472E-02	487585.8	3754424.5	509.6	1.90	17.64	0.44	YES	
L0111971	0	0.23472E-02	487623.7	3754425.8	510.1	1.90	17.64	0.44	YES	
L0111972	0	0.23472E-02	487661.6	3754427.1	510.7	1.90	17.64	0.44	YES	
L0111973	0	0.23472E-02	487699.6	3754428.4	510.4	1.90	17.64	0.44	YES	
L0111974	0	0.23472E-02	487736.7	3754435.0	510.8	1.90	17.64	0.44	YES	
L0111975	0	0.23472E-02	487773.2	3754445.1	510.4	1.90	17.64	0.44	YES	
L0111976	0	0.23472E-02	487810.3	3754451.0	509.9	1.90	17.64	0.44	YES	
L0111977	0	0.23472E-02	487848.2	3754450.3	509.8	1.90	17.64	0.44	YES	
L0111978	0	0.23472E-02	487886.1	3754449.6	508.5	1.90	17.64	0.44	YES	
L0111979	0	0.23472E-02	487924.1	3754449.0	507.7	1.90	17.64	0.44	YES	
L0111980	0	0.23472E-02	487962.0	3754448.3	508.4	1.90	17.64	0.44	YES	
L0111981	0	0.23472E-02	487999.9	3754447.6	509.0	1.90	17.64	0.44	YES	
L0111982	0	0.23472E-02	488037.8	3754447.0	508.1	1.90	17.64	0.44	YES	
L0111983	0	0.23472E-02	488075.8	3754446.3	507.2	1.90	17.64	0.44	YES	
L0111984	0	0.23472E-02	488113.7	3754445.6	508.2	1.90	17.64	0.44	YES	
L0111985	0	0.23472E-02	488151.6	3754445.0	508.3	1.90	17.64	0.44	YES	
L0111986	0	0.23472E-02	488189.5	3754444.3	509.3	1.90	17.64	0.44	YES	
L0111987	0	0.23472E-02	488227.5	3754443.6	510.4	1.90	17.64	0.44	YES	
L0111988	0	0.23472E-02	488265.4	3754443.0	510.7	1.90	17.64	0.44	YES	
L0111989	0	0.23472E-02	488303.3	3754442.3	510.9	1.90	17.64	0.44	YES	
L0111990	0	0.23472E-02	488333.9	3754420.0	509.3	1.90	17.64	0.44	YES	
L0111991	0	0.23472E-02	488364.4	3754397.4	506.5	1.90	17.64	0.44	YES	
L0111992	0	0.23472E-02	488394.8	3754374.8	504.5	1.90	17.64	0.44	YES	
L0111993	0	0.23472E-02	488425.3	3754352.2	505.0	1.90	17.64	0.44	YES	
L0111994	0	0.13679E-02	488434.4	3754340.7	505.3	1.20	18.04	0.28	YES	
L0111995	0	0.13679E-02	488457.1	3754309.3	506.0	1.20	18.04	0.28	YES	
L0111996	0	0.13679E-02	488457.7	3754270.7	506.0	1.20	18.04	0.28	YES	
L0111997	0	0.13679E-02	488457.7	3754231.9	505.1	1.20	18.04	0.28	YES	
L0111998	0	0.13679E-02	488457.7	3754193.1	501.0	1.20	18.04	0.28	YES	
L0111999	0	0.13679E-02	488457.7	3754154.3	501.5	1.20	18.04	0.28	YES	
L0112000	0	0.13679E-02	488457.7	3754115.5	503.6	1.20	18.04	0.28	YES	
L0112001	0	0.13679E-02	488457.7	3754076.8	502.9	1.20	18.04	0.28	YES	
L0112002	0	0.13679E-02	488457.7	3754038.0	502.0	1.20	18.04	0.28	YES	
L0112003	0	0.13679E-02	488457.7	3753999.2	502.0	1.20	18.04	0.28	YES	

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L0112004	0	0.13679E-02	488457.7	3753960.4	502.0	1.20	18.04	0.28	YES	
L0112005	0	0.13679E-02	488457.7	3753921.6	500.4	1.20	18.04	0.28	YES	
L0112006	0	0.13679E-02	488457.7	3753882.8	498.4	1.20	18.04	0.28	YES	
L0112007	0	0.13679E-02	488457.7	3753844.0	497.1	1.20	18.04	0.28	YES	
L0112008	0	0.13679E-02	488457.7	3753805.3	496.8	1.20	18.04	0.28	YES	
L0112009	0	0.13679E-02	488457.7	3753766.5	496.0	1.20	18.04	0.28	YES	
L0112010	0	0.13679E-02	488457.7	3753727.7	495.3	1.20	18.04	0.28	YES	
L0112011	0	0.13679E-02	488457.7	3753688.9	493.9	1.20	18.04	0.28	YES	
L0112012	0	0.13679E-02	488457.7	3753650.1	491.0	1.20	18.04	0.28	YES	
L0112013	0	0.13679E-02	488457.7	3753611.3	488.4	1.20	18.04	0.28	YES	
L0112014	0	0.13679E-02	488457.7	3753572.6	488.0	1.20	18.04	0.28	YES	
L0112015	0	0.13679E-02	488457.7	3753533.8	488.0	1.20	18.04	0.28	YES	

L0112016	0	0.13679E-02	488457.7	3753495.0	488.0	1.20	18.04	0.28	YES
L0112017	0	0.13679E-02	488457.7	3753456.2	487.2	1.20	18.04	0.28	YES
L0112018	0	0.13679E-02	488457.7	3753417.4	485.9	1.20	18.04	0.28	YES
L0112019	0	0.13679E-02	488457.7	3753378.6	485.4	1.20	18.04	0.28	YES
L0112020	0	0.13679E-02	488457.7	3753339.9	484.0	1.20	18.04	0.28	YES
L0112021	0	0.13679E-02	488457.7	3753301.1	482.0	1.20	18.04	0.28	YES
L0112513	0	0.87857E-02	487111.6	3753293.9	490.9	1.50	22.81	0.35	YES
L0112514	0	0.87857E-02	487160.6	3753293.6	490.4	1.50	22.81	0.35	YES
L0112515	0	0.87857E-02	487209.6	3753293.2	490.0	1.50	22.81	0.35	YES
L0112516	0	0.87857E-02	487258.7	3753292.8	489.6	1.50	22.81	0.35	YES
L0112517	0	0.87857E-02	487307.7	3753292.4	489.1	1.50	22.81	0.35	YES
L0112518	0	0.87857E-02	487356.7	3753292.1	488.7	1.50	22.81	0.35	YES
L0112519	0	0.87857E-02	487405.8	3753291.7	488.2	1.50	22.81	0.35	YES
L0112520	0	0.87857E-02	487454.8	3753291.3	487.8	1.50	22.81	0.35	YES
L0112521	0	0.87857E-02	487503.8	3753291.0	487.3	1.50	22.81	0.35	YES
L0112522	0	0.87857E-02	487552.9	3753290.6	486.9	1.50	22.81	0.35	YES
L0112523	0	0.87857E-02	487601.9	3753290.2	486.4	1.50	22.81	0.35	YES
L0112524	0	0.87857E-02	487650.9	3753289.8	486.0	1.50	22.81	0.35	YES
L0112525	0	0.87857E-02	487700.0	3753289.5	485.6	1.50	22.81	0.35	YES
L0112526	0	0.87857E-02	487749.0	3753289.1	485.1	1.50	22.81	0.35	YES
L0112036	0	0.87857E-02	487765.1	3753289.0	484.0	1.50	24.24	0.35	YES
L0112037	0	0.87857E-02	487817.3	3753289.0	485.3	1.50	24.24	0.35	YES
L0112038	0	0.87857E-02	487869.4	3753289.0	483.2	1.50	24.24	0.35	YES
L0112039	0	0.87857E-02	487921.5	3753289.0	483.0	1.50	24.24	0.35	YES
L0112040	0	0.87857E-02	487973.6	3753289.0	484.8	1.50	24.24	0.35	YES
L0112041	0	0.87857E-02	488025.8	3753289.0	485.6	1.50	24.24	0.35	YES
L0112042	0	0.87857E-02	488077.9	3753289.0	485.4	1.50	24.24	0.35	YES
L0112043	0	0.87857E-02	488130.0	3753289.0	485.6	1.50	24.24	0.35	YES

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L0112044	0	0.87857E-02	488182.1	3753289.0	485.6	1.50	24.24	0.35	YES	
L0112045	0	0.87857E-02	488234.2	3753289.0	486.3	1.50	24.24	0.35	YES	
L0112046	0	0.87857E-02	488286.4	3753289.0	484.9	1.50	24.24	0.35	YES	
L0112047	0	0.87857E-02	488338.5	3753289.0	484.4	1.50	24.24	0.35	YES	
L0112048	0	0.87857E-02	488390.6	3753289.0	484.6	1.50	24.24	0.35	YES	
L0112049	0	0.87857E-02	488442.7	3753289.0	483.3	1.50	24.24	0.35	YES	
L0112050	0	0.42583E-02	488445.9	3753289.3	481.6	1.70	18.10	0.40	YES	
L0112051	0	0.42583E-02	488446.3	3753250.4	481.0	1.70	18.10	0.40	YES	
L0112052	0	0.42583E-02	488446.8	3753211.5	480.1	1.70	18.10	0.40	YES	
L0112053	0	0.42583E-02	488447.2	3753172.6	479.0	1.70	18.10	0.40	YES	
L0112054	0	0.42583E-02	488447.7	3753133.7	478.5	1.70	18.10	0.40	YES	
L0112055	0	0.42583E-02	488448.1	3753094.8	478.0	1.70	18.10	0.40	YES	
L0112056	0	0.42583E-02	488448.5	3753055.9	477.0	1.70	18.10	0.40	YES	
L0112057	0	0.42583E-02	488449.0	3753017.0	477.0	1.70	18.10	0.40	YES	
L0112058	0	0.42583E-02	488449.4	3752978.1	477.7	1.70	18.10	0.40	YES	
L0112059	0	0.42583E-02	488449.8	3752939.2	479.0	1.70	18.10	0.40	YES	
L0112060	0	0.42583E-02	488450.3	3752900.3	478.0	1.70	18.10	0.40	YES	
L0112061	0	0.42583E-02	488450.7	3752861.4	478.0	1.70	18.10	0.40	YES	
L0112062	0	0.61724E-02	488463.9	3753299.0	481.8	1.40	23.53	0.33	YES	
L0112063	0	0.61724E-02	488514.5	3753298.8	480.9	1.40	23.53	0.33	YES	
L0112064	0	0.61724E-02	488565.1	3753298.7	482.3	1.40	23.53	0.33	YES	
L0112065	0	0.61724E-02	488615.7	3753298.5	484.1	1.40	23.53	0.33	YES	
L0112066	0	0.61724E-02	488666.3	3753298.3	483.2	1.40	23.53	0.33	YES	
L0112067	0	0.61724E-02	488716.9	3753298.1	482.0	1.40	23.53	0.33	YES	
L0112068	0	0.61724E-02	488767.5	3753298.0	482.1	1.40	23.53	0.33	YES	
L0112069	0	0.61724E-02	488818.1	3753297.8	481.1	1.40	23.53	0.33	YES	
L0112070	0	0.61724E-02	488868.7	3753297.6	482.1	1.40	23.53	0.33	YES	
L0112071	0	0.61724E-02	488919.3	3753297.4	483.4	1.40	23.53	0.33	YES	
L0112072	0	0.61724E-02	488969.9	3753297.3	485.9	1.40	23.53	0.33	YES	
L0112073	0	0.61724E-02	489020.5	3753297.1	484.2	1.40	23.53	0.33	YES	
L0112074	0	0.61724E-02	489071.1	3753296.9	484.8	1.40	23.53	0.33	YES	
L0112075	0	0.61724E-02	489121.6	3753296.7	484.9	1.40	23.53	0.33	YES	
L0112076	0	0.61724E-02	489172.2	3753296.5	486.5	1.40	23.53	0.33	YES	
L0112077	0	0.61724E-02	489222.8	3753296.4	491.6	1.40	23.53	0.33	YES	
L0112078	0	0.61724E-02	489273.4	3753296.2	494.4	1.40	23.53	0.33	YES	
L0112079	0	0.61724E-02	489324.0	3753296.0	490.5	1.40	23.53	0.33	YES	
L0112080	0	0.61724E-02	489374.6	3753295.8	489.1	1.40	23.53	0.33	YES	
L0112081	0	0.61724E-02	489425.2	3753295.7	490.3	1.40	23.53	0.33	YES	
L0112082	0	0.61724E-02	489475.8	3753295.5	490.2	1.40	23.53	0.33	YES	
L0112083	0	0.61724E-02	489526.4	3753295.3	490.5	1.40	23.53	0.33	YES	

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L0112084	0	0.61724E-02	489577.0	3753295.1	493.0	1.40	23.53	0.33	YES	
L0112085	0	0.61724E-02	489627.6	3753295.0	493.4	1.40	23.53	0.33	YES	
L0112086	0	0.61724E-02	489678.2	3753294.8	495.6	1.40	23.53	0.33	YES	
L0112087	0	0.61724E-02	489728.8	3753294.6	496.8	1.40	23.53	0.33	YES	
L0112088	0	0.61724E-02	489779.4	3753294.4	493.4	1.40	23.53	0.33	YES	
L0112089	0	0.61724E-02	489830.0	3753294.3	489.2	1.40	23.53	0.33	YES	
L0112090	0	0.61724E-02	489880.6	3753294.1	491.6	1.40	23.53	0.33	YES	
L0112527	0	0.98500E-02	489900.7	3753294.2	493.2	1.60	22.24	0.37	YES	
L0112528	0	0.98500E-02	489944.6	3753313.0	493.8	1.60	22.24	0.37	YES	
L0112529	0	0.98500E-02	489983.0	3753340.6	495.7	1.60	22.24	0.37	YES	

L0112530	0	0.98500E-02	490018.7	3753372.4	498.2	1.60	22.24	0.37	YES
L0112531	0	0.98500E-02	490054.3	3753404.3	500.8	1.60	22.24	0.37	YES
L0112532	0	0.98500E-02	490090.0	3753436.1	503.3	1.60	22.24	0.37	YES
L0112097	0	0.33385E-02	489898.8	3753280.5	492.3	1.70	15.51	0.40	YES
L0112098	0	0.33385E-02	489899.2	3753247.1	490.4	1.70	15.51	0.40	YES
L0112099	0	0.33385E-02	489899.6	3753213.8	488.2	1.70	15.51	0.40	YES
L0112100	0	0.33385E-02	489900.0	3753180.4	487.0	1.70	15.51	0.40	YES
L0112101	0	0.33385E-02	489900.4	3753147.1	488.3	1.70	15.51	0.40	YES
L0112102	0	0.33385E-02	489900.8	3753113.7	491.0	1.70	15.51	0.40	YES
L0112103	0	0.33385E-02	489901.2	3753080.4	490.6	1.70	15.51	0.40	YES
L0112104	0	0.33385E-02	489901.6	3753047.0	489.0	1.70	15.51	0.40	YES
L0112105	0	0.33385E-02	489902.0	3753013.7	487.3	1.70	15.51	0.40	YES
L0112106	0	0.33385E-02	489902.4	3752980.3	486.2	1.70	15.51	0.40	YES
L0112107	0	0.33385E-02	489902.8	3752947.0	484.6	1.70	15.51	0.40	YES
L0112108	0	0.33385E-02	489903.2	3752913.6	482.5	1.70	15.51	0.40	YES
L0112109	0	0.33385E-02	489903.6	3752880.3	480.4	1.70	15.51	0.40	YES
L0112110	0	0.23455E-02	489917.3	3752867.0	481.7	1.70	15.35	0.40	YES
L0112111	0	0.23455E-02	489950.3	3752867.9	483.0	1.70	15.35	0.40	YES
L0112112	0	0.23455E-02	489983.2	3752868.9	484.0	1.70	15.35	0.40	YES
L0112113	0	0.23455E-02	490016.2	3752869.8	484.9	1.70	15.35	0.40	YES
L0112114	0	0.23455E-02	490049.2	3752870.8	486.1	1.70	15.35	0.40	YES
L0112115	0	0.23455E-02	490082.2	3752871.7	485.7	1.70	15.35	0.40	YES
L0112116	0	0.23455E-02	490115.2	3752872.7	485.9	1.70	15.35	0.40	YES
L0112117	0	0.23455E-02	490148.1	3752873.7	486.6	1.70	15.35	0.40	YES
L0112118	0	0.23455E-02	490181.1	3752874.6	486.0	1.70	15.35	0.40	YES
L0112119	0	0.23455E-02	490214.1	3752875.6	484.1	1.70	15.35	0.40	YES
L0112120	0	0.23455E-02	490247.1	3752876.5	482.6	1.70	15.35	0.40	YES
L0112121	0	0.15409E-02	488454.3	3752857.1	478.0	1.70	15.60	0.40	YES
L0112122	0	0.15409E-02	488487.8	3752858.9	478.7	1.70	15.60	0.40	YES
L0112123	0	0.15409E-02	488521.3	3752860.6	477.6	1.70	15.60	0.40	YES

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112124	0	0.15409E-02	488554.8	3752862.3	475.5	1.70	15.60	0.40	YES	
L0112125	0	0.15409E-02	488588.3	3752864.1	475.3	1.70	15.60	0.40	YES	
L0112126	0	0.15409E-02	488621.7	3752865.8	476.6	1.70	15.60	0.40	YES	
L0112127	0	0.15409E-02	488655.2	3752867.6	478.0	1.70	15.60	0.40	YES	
L0112128	0	0.15409E-02	488688.7	3752869.3	478.5	1.70	15.60	0.40	YES	
L0112129	0	0.15409E-02	488722.2	3752871.1	477.6	1.70	15.60	0.40	YES	
L0112130	0	0.15409E-02	488755.7	3752872.8	477.4	1.70	15.60	0.40	YES	
L0112131	0	0.15409E-02	488789.2	3752874.6	478.3	1.70	15.60	0.40	YES	
L0112132	0	0.15409E-02	488822.6	3752876.3	478.2	1.70	15.60	0.40	YES	
L0112133	0	0.15409E-02	488856.1	3752878.1	478.1	1.70	15.60	0.40	YES	
L0112134	0	0.15409E-02	488889.6	3752879.8	478.0	1.70	15.60	0.40	YES	
L0112135	0	0.15409E-02	488923.1	3752881.6	477.7	1.70	15.60	0.40	YES	
L0112136	0	0.15409E-02	488956.6	3752883.3	478.2	1.70	15.60	0.40	YES	
L0112137	0	0.15409E-02	488990.1	3752885.1	479.7	1.70	15.60	0.40	YES	
L0112138	0	0.15409E-02	489023.5	3752886.8	481.4	1.70	15.60	0.40	YES	
L0112139	0	0.15409E-02	489057.1	3752886.3	482.7	1.70	15.60	0.40	YES	
L0112140	0	0.15409E-02	489090.6	3752885.7	481.8	1.70	15.60	0.40	YES	
L0112141	0	0.15409E-02	489124.1	3752885.1	480.7	1.70	15.60	0.40	YES	
L0112142	0	0.15409E-02	489157.6	3752884.5	479.8	1.70	15.60	0.40	YES	
L0112143	0	0.15409E-02	489191.2	3752884.0	478.8	1.70	15.60	0.40	YES	
L0112144	0	0.15409E-02	489224.7	3752883.4	478.7	1.70	15.60	0.40	YES	
L0112145	0	0.15409E-02	489258.2	3752882.8	479.7	1.70	15.60	0.40	YES	
L0112146	0	0.15409E-02	489291.7	3752882.2	480.1	1.70	15.60	0.40	YES	
L0112147	0	0.15409E-02	489325.3	3752881.7	480.1	1.70	15.60	0.40	YES	
L0112148	0	0.15409E-02	489358.8	3752881.1	480.1	1.70	15.60	0.40	YES	
L0112149	0	0.15409E-02	489392.3	3752880.5	480.0	1.70	15.60	0.40	YES	
L0112150	0	0.15409E-02	489425.8	3752879.9	480.2	1.70	15.60	0.40	YES	
L0112151	0	0.15409E-02	489459.4	3752879.4	481.3	1.70	15.60	0.40	YES	
L0112152	0	0.15409E-02	489492.9	3752878.8	481.9	1.70	15.60	0.40	YES	
L0112153	0	0.15409E-02	489526.4	3752878.2	481.9	1.70	15.60	0.40	YES	
L0112154	0	0.15409E-02	489559.9	3752877.6	482.5	1.70	15.60	0.40	YES	
L0112155	0	0.15409E-02	489593.5	3752877.1	483.5	1.70	15.60	0.40	YES	
L0112156	0	0.15409E-02	489627.0	3752876.5	484.7	1.70	15.60	0.40	YES	
L0112157	0	0.15409E-02	489660.5	3752875.9	484.9	1.70	15.60	0.40	YES	
L0112158	0	0.15409E-02	489694.0	3752875.3	483.8	1.70	15.60	0.40	YES	
L0112159	0	0.15409E-02	489727.6	3752874.8	484.1	1.70	15.60	0.40	YES	
L0112160	0	0.15409E-02	489761.1	3752874.2	485.3	1.70	15.60	0.40	YES	
L0112161	0	0.15409E-02	489794.6	3752873.6	484.9	1.70	15.60	0.40	YES	
L0112162	0	0.15409E-02	489828.1	3752873.0	482.8	1.70	15.60	0.40	YES	
L0112163	0	0.15409E-02	489861.7	3752872.5	480.7	1.70	15.60	0.40	YES	

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L0112164	0	0.15409E-02	489895.2	3752871.9	480.3	1.70	15.60	0.40	YES	
L0112533	0	0.47931E-02	488256.0	3755293.6	547.8	1.00	9.20	0.23	YES	
L0112534	0	0.47931E-02	488263.4	3755275.3	547.1	1.00	9.20	0.23	YES	
L0112535	0	0.47931E-02	488270.8	3755256.9	546.3	1.00	9.20	0.23	YES	
L0112536	0	0.47931E-02	488278.2	3755238.6	545.6	1.00	9.20	0.23	YES	
L0112537	0	0.47931E-02	488285.6	3755220.3	544.9	1.00	9.20	0.23	YES	
L0112538	0	0.47931E-02	488293.0	3755201.9	544.1	1.00	9.20	0.23	YES	
L0112539	0	0.47931E-02	488300.4	3755183.6	543.4	1.00	9.20	0.23	YES	

L0112540	0	0.47931E-02	488307.8	3755165.2	542.7	1.00	9.20	0.23	YES
L0112541	0	0.47931E-02	488315.2	3755146.9	541.9	1.00	9.20	0.23	YES
L0112542	0	0.47931E-02	488322.7	3755128.6	541.2	1.00	9.20	0.23	YES
L0112543	0	0.47931E-02	488330.1	3755110.2	540.4	1.00	9.20	0.23	YES
L0112544	0	0.47931E-02	488337.5	3755091.9	539.7	1.00	9.20	0.23	YES
L0112545	0	0.47931E-02	488344.9	3755073.6	539.0	1.00	9.20	0.23	YES
L0112546	0	0.47931E-02	488352.3	3755055.2	538.2	1.00	9.20	0.23	YES
L0112547	0	0.47931E-02	488359.7	3755036.9	537.5	1.00	9.20	0.23	YES
L0112548	0	0.47931E-02	488367.1	3755018.5	536.8	1.00	9.20	0.23	YES
L0112549	0	0.47931E-02	488374.5	3755000.2	536.0	1.00	9.20	0.23	YES
L0112550	0	0.47931E-02	488381.9	3754981.9	535.3	1.00	9.20	0.23	YES
L0112551	0	0.47931E-02	488389.3	3754963.5	534.5	1.00	9.20	0.23	YES
L0112552	0	0.47931E-02	488396.7	3754945.2	533.8	1.00	9.20	0.23	YES
L0112553	0	0.47931E-02	488404.1	3754926.9	533.1	1.00	9.20	0.23	YES
L0112554	0	0.47931E-02	488411.5	3754908.5	532.3	1.00	9.20	0.23	YES
L0112555	0	0.47931E-02	488418.9	3754890.2	531.6	1.00	9.20	0.23	YES
L0112556	0	0.47931E-02	488426.3	3754871.8	530.9	1.00	9.20	0.23	YES
L0112557	0	0.47931E-02	488433.7	3754853.5	530.1	1.00	9.20	0.23	YES
L0112558	0	0.47931E-02	488441.1	3754835.2	529.4	1.00	9.20	0.23	YES
L0112559	0	0.47931E-02	488448.6	3754816.8	528.7	1.00	9.20	0.23	YES
L0112560	0	0.47931E-02	488456.0	3754798.5	527.9	1.00	9.20	0.23	YES
L0112561	0	0.47931E-02	488463.4	3754780.1	527.2	1.00	9.20	0.23	YES
L0112562	0	0.53945E-02	488468.1	3754776.1	526.9	1.00	9.32	0.23	YES
L0112563	0	0.53945E-02	488477.9	3754758.6	526.5	1.00	9.32	0.23	YES
L0112564	0	0.53945E-02	488487.7	3754741.2	526.1	1.00	9.32	0.23	YES
L0112565	0	0.53945E-02	488497.6	3754723.7	525.7	1.00	9.32	0.23	YES
L0112566	0	0.53945E-02	488507.4	3754706.3	525.3	1.00	9.32	0.23	YES
L0112567	0	0.53945E-02	488517.3	3754688.8	524.9	1.00	9.32	0.23	YES
L0112568	0	0.53945E-02	488527.1	3754671.4	524.5	1.00	9.32	0.23	YES
L0112569	0	0.53945E-02	488536.9	3754653.9	524.0	1.00	9.32	0.23	YES
L0112570	0	0.53945E-02	488546.8	3754636.5	523.6	1.00	9.32	0.23	YES
L0112571	0	0.53945E-02	488556.6	3754619.0	523.2	1.00	9.32	0.23	YES

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L0112572	0	0.53945E-02	488566.5	3754601.6	522.8	1.00	9.32	0.23	YES	
L0112573	0	0.53945E-02	488576.3	3754584.1	522.4	1.00	9.32	0.23	YES	
L0112574	0	0.53945E-02	488586.1	3754566.7	522.0	1.00	9.32	0.23	YES	
L0112575	0	0.53945E-02	488596.0	3754549.2	521.6	1.00	9.32	0.23	YES	
L0112576	0	0.53945E-02	488605.8	3754531.8	521.2	1.00	9.32	0.23	YES	
L0112577	0	0.53945E-02	488615.6	3754514.3	520.8	1.00	9.32	0.23	YES	
L0112578	0	0.53945E-02	488625.5	3754496.9	520.4	1.00	9.32	0.23	YES	
L0112579	0	0.53945E-02	488635.3	3754479.4	520.0	1.00	9.32	0.23	YES	
L0112580	0	0.53945E-02	488645.2	3754462.0	519.6	1.00	9.32	0.23	YES	
L0112581	0	0.53945E-02	488655.0	3754444.5	519.2	1.00	9.32	0.23	YES	
L0112582	0	0.53945E-02	488664.8	3754427.1	518.8	1.00	9.32	0.23	YES	
L0112583	0	0.53945E-02	488674.7	3754409.6	518.4	1.00	9.32	0.23	YES	
L0112584	0	0.53945E-02	488684.5	3754392.2	518.0	1.00	9.32	0.23	YES	
L0112585	0	0.53945E-02	488694.4	3754374.7	517.5	1.00	9.32	0.23	YES	
L0112586	0	0.53945E-02	488704.2	3754357.3	517.1	1.00	9.32	0.23	YES	
L0112587	0	0.53945E-02	488714.0	3754339.8	516.7	1.00	9.32	0.23	YES	
L0112588	0	0.53945E-02	488723.9	3754322.4	516.3	1.00	9.32	0.23	YES	
L0112589	0	0.53945E-02	488734.7	3754305.7	515.9	1.00	9.32	0.23	YES	
L0112590	0	0.53945E-02	488750.1	3754293.0	515.6	1.00	9.32	0.23	YES	
L0112591	0	0.53945E-02	488765.6	3754280.2	515.3	1.00	9.32	0.23	YES	
L0112592	0	0.53945E-02	488781.0	3754267.5	514.9	1.00	9.32	0.23	YES	
L0112593	0	0.53945E-02	488796.5	3754254.7	514.6	1.00	9.32	0.23	YES	
L0112594	0	0.53945E-02	488811.9	3754241.9	514.3	1.00	9.32	0.23	YES	
L0112595	0	0.53945E-02	488827.4	3754229.2	513.9	1.00	9.32	0.23	YES	
L0112596	0	0.53945E-02	488842.8	3754216.4	513.6	1.00	9.32	0.23	YES	
L0112597	0	0.53945E-02	488858.2	3754203.7	513.3	1.00	9.32	0.23	YES	
L0112598	0	0.53945E-02	488873.7	3754190.9	512.9	1.00	9.32	0.23	YES	
L0112599	0	0.53945E-02	488889.1	3754178.1	512.6	1.00	9.32	0.23	YES	
L0112600	0	0.53945E-02	488904.6	3754165.4	512.3	1.00	9.32	0.23	YES	
L0112601	0	0.53945E-02	488920.0	3754152.6	511.9	1.00	9.32	0.23	YES	
L0112602	0	0.53945E-02	488935.5	3754139.9	511.6	1.00	9.32	0.23	YES	
L0112603	0	0.53945E-02	488950.9	3754127.1	511.3	1.00	9.32	0.23	YES	
L0112604	0	0.53945E-02	488966.7	3754114.8	511.0	1.00	9.32	0.23	YES	
L0112605	0	0.53945E-02	488983.8	3754104.4	510.9	1.00	9.32	0.23	YES	
L0112606	0	0.53945E-02	489000.9	3754093.9	510.7	1.00	9.32	0.23	YES	
L0112607	0	0.53945E-02	489018.0	3754083.5	510.6	1.00	9.32	0.23	YES	
L0112608	0	0.53945E-02	489035.1	3754073.0	510.5	1.00	9.32	0.23	YES	
L0112609	0	0.53945E-02	489052.2	3754062.6	510.4	1.00	9.32	0.23	YES	
L0112610	0	0.53945E-02	489069.3	3754052.2	510.2	1.00	9.32	0.23	YES	
L0112611	0	0.53945E-02	489086.4	3754041.7	510.1	1.00	9.32	0.23	YES	

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L0112612	0	0.53945E-02	489103.5	3754031.3	510.0	1.00	9.32	0.23	YES	
L0112613	0	0.53945E-02	489120.6	3754020.8	509.9	1.00	9.32	0.23	YES	
L0112614	0	0.53945E-02	489137.7	3754010.4	509.8	1.00	9.32	0.23	YES	
L0112615	0	0.53945E-02	489154.8	3754000.0	509.7	1.00	9.32	0.23	YES	
L0112616	0	0.53945E-02	489171.9	3753989.5	509.5	1.00	9.32	0.23	YES	
L0112617	0	0.53945E-02	489189.0	3753979.1	509.4	1.00	9.32	0.23	YES	

L0112618	0	0.53945E-02	489206.1	3753968.6	509.3	1.00	9.32	0.23	YES
L0112619	0	0.53945E-02	489223.2	3753958.2	509.2	1.00	9.32	0.23	YES
L0112620	0	0.53945E-02	489240.2	3753947.8	509.1	1.00	9.32	0.23	YES
L0112621	0	0.53945E-02	489257.3	3753937.3	508.9	1.00	9.32	0.23	YES
L0112622	0	0.53945E-02	489274.4	3753926.9	508.8	1.00	9.32	0.23	YES
L0112623	0	0.53945E-02	489291.5	3753916.4	508.7	1.00	9.32	0.23	YES
L0112624	0	0.53945E-02	489308.6	3753906.0	508.6	1.00	9.32	0.23	YES
L0112625	0	0.53945E-02	489325.7	3753895.6	508.4	1.00	9.32	0.23	YES
L0112626	0	0.53945E-02	489342.8	3753885.1	508.3	1.00	9.32	0.23	YES
L0112627	0	0.53945E-02	489359.9	3753874.7	508.2	1.00	9.32	0.23	YES
L0112628	0	0.53945E-02	489377.0	3753864.2	508.1	1.00	9.32	0.23	YES
L0112629	0	0.53945E-02	489394.1	3753853.8	508.0	1.00	9.32	0.23	YES
L0112630	0	0.53945E-02	489411.2	3753843.4	507.9	1.00	9.32	0.23	YES
L0112631	0	0.53945E-02	489428.3	3753832.9	507.7	1.00	9.32	0.23	YES
L0112632	0	0.53945E-02	489445.4	3753822.5	507.6	1.00	9.32	0.23	YES
L0112633	0	0.53945E-02	489462.5	3753812.0	507.5	1.00	9.32	0.23	YES
L0112634	0	0.53945E-02	489479.6	3753801.6	507.4	1.00	9.32	0.23	YES
L0112635	0	0.53945E-02	489496.7	3753791.2	507.2	1.00	9.32	0.23	YES
L0112636	0	0.53945E-02	489513.8	3753780.7	507.1	1.00	9.32	0.23	YES
L0112637	0	0.53945E-02	489530.9	3753770.3	507.0	1.00	9.32	0.23	YES
L0112638	0	0.53945E-02	489548.0	3753759.8	506.9	1.00	9.32	0.23	YES
L0112639	0	0.53945E-02	489565.1	3753749.4	506.8	1.00	9.32	0.23	YES
L0112640	0	0.53945E-02	489582.2	3753739.0	506.6	1.00	9.32	0.23	YES
L0112641	0	0.53945E-02	489599.3	3753728.5	506.5	1.00	9.32	0.23	YES
L0112642	0	0.53945E-02	489616.4	3753718.1	506.4	1.00	9.32	0.23	YES
L0112643	0	0.53945E-02	489633.5	3753707.6	506.3	1.00	9.32	0.23	YES
L0112644	0	0.53945E-02	489650.6	3753697.2	506.2	1.00	9.32	0.23	YES
L0112645	0	0.53945E-02	489667.7	3753686.8	506.0	1.00	9.32	0.23	YES
L0112646	0	0.53945E-02	489684.8	3753676.3	505.9	1.00	9.32	0.23	YES
L0112647	0	0.53945E-02	489701.9	3753665.9	505.8	1.00	9.32	0.23	YES
L0112648	0	0.53945E-02	489719.0	3753655.4	505.7	1.00	9.32	0.23	YES
L0112649	0	0.53945E-02	489736.1	3753645.0	505.6	1.00	9.32	0.23	YES
L0112650	0	0.53945E-02	489753.2	3753634.6	505.4	1.00	9.32	0.23	YES
L0112651	0	0.53945E-02	489770.3	3753624.1	505.3	1.00	9.32	0.23	YES

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112652	0	0.53945E-02	489787.4	3753613.7	505.2	1.00	9.32	0.23	YES	
L0112653	0	0.53945E-02	489804.5	3753603.2	505.1	1.00	9.32	0.23	YES	
L0112654	0	0.53945E-02	489821.6	3753592.8	505.0	1.00	9.32	0.23	YES	
L0112655	0	0.53945E-02	489838.7	3753582.4	504.8	1.00	9.32	0.23	YES	
L0112656	0	0.53945E-02	489855.8	3753571.9	504.7	1.00	9.32	0.23	YES	
L0112657	0	0.53945E-02	489872.9	3753561.5	504.6	1.00	9.32	0.23	YES	
L0112658	0	0.53945E-02	489890.0	3753551.0	504.5	1.00	9.32	0.23	YES	
L0112659	0	0.53945E-02	489907.1	3753540.6	504.4	1.00	9.32	0.23	YES	
L0112660	0	0.53945E-02	489924.2	3753530.2	504.2	1.00	9.32	0.23	YES	
L0112661	0	0.53945E-02	489941.3	3753519.7	504.1	1.00	9.32	0.23	YES	
L0112662	0	0.53945E-02	489958.4	3753509.3	504.0	1.00	9.32	0.23	YES	
L0112663	0	0.53945E-02	489975.5	3753498.8	503.9	1.00	9.32	0.23	YES	
L0112664	0	0.53945E-02	489992.6	3753488.4	503.8	1.00	9.32	0.23	YES	
L0112665	0	0.53945E-02	490009.7	3753478.0	503.6	1.00	9.32	0.23	YES	
L0112666	0	0.53945E-02	490026.7	3753467.5	503.5	1.00	9.32	0.23	YES	
L0112667	0	0.53945E-02	490043.8	3753457.1	503.4	1.00	9.32	0.23	YES	
L0112668	0	0.53945E-02	490060.9	3753446.6	503.3	1.00	9.32	0.23	YES	
L0112669	0	0.53945E-02	490078.0	3753436.2	503.2	1.00	9.32	0.23	YES	
L0112670	0	0.53945E-02	490095.1	3753425.8	503.0	1.00	9.32	0.23	YES	
L0112671	0	0.53718E-02	490104.1	3753442.3	503.9	1.00	9.38	0.23	YES	
L0112672	0	0.53718E-02	490121.5	3753432.0	503.5	1.00	9.38	0.23	YES	
L0112673	0	0.53718E-02	490138.9	3753421.8	503.2	1.00	9.38	0.23	YES	
L0112674	0	0.53718E-02	490156.2	3753411.5	502.8	1.00	9.38	0.23	YES	
L0112675	0	0.53718E-02	490173.6	3753401.2	502.4	1.00	9.38	0.23	YES	
L0112676	0	0.53718E-02	490191.0	3753391.0	502.0	1.00	9.38	0.23	YES	
L0112677	0	0.53718E-02	490208.3	3753380.7	501.6	1.00	9.38	0.23	YES	
L0112678	0	0.53718E-02	490225.7	3753370.4	501.3	1.00	9.38	0.23	YES	
L0112679	0	0.53718E-02	490243.1	3753360.2	500.9	1.00	9.38	0.23	YES	
L0112680	0	0.53718E-02	490260.4	3753349.9	500.5	1.00	9.38	0.23	YES	
L0112681	0	0.53718E-02	490277.8	3753339.7	500.1	1.00	9.38	0.23	YES	
L0112682	0	0.53718E-02	490295.2	3753329.4	499.8	1.00	9.38	0.23	YES	
L0112683	0	0.53718E-02	490312.5	3753319.1	499.4	1.00	9.38	0.23	YES	
L0112684	0	0.53718E-02	490329.9	3753308.9	499.0	1.00	9.38	0.23	YES	
L0112685	0	0.53718E-02	490347.3	3753298.6	498.6	1.00	9.38	0.23	YES	
L0112686	0	0.53718E-02	490364.6	3753288.3	498.2	1.00	9.38	0.23	YES	
L0112687	0	0.53718E-02	490382.0	3753278.1	497.9	1.00	9.38	0.23	YES	
L0112688	0	0.53718E-02	490399.4	3753267.8	497.5	1.00	9.38	0.23	YES	
L0112689	0	0.53718E-02	490416.7	3753257.6	497.1	1.00	9.38	0.23	YES	
L0112690	0	0.53718E-02	490434.1	3753247.3	496.8	1.00	9.38	0.23	YES	
L0112691	0	0.53718E-02	490451.5	3753237.0	496.4	1.00	9.38	0.23	YES	

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112692	0	0.53718E-02	490468.8	3753226.8	496.0	1.00	9.38	0.23	YES	
L0112693	0	0.53718E-02	490486.2	3753216.5	495.6	1.00	9.38	0.23	YES	
L0112694	0	0.53718E-02	490503.6	3753206.2	495.2	1.00	9.38	0.23	YES	
L0112695	0	0.53718E-02	490520.9	3753196.0	494.9	1.00	9.38	0.23	YES	

L0112696	0	0.53718E-02	490538.3	3753185.7	494.5	1.00	9.38	0.23	YES
L0112697	0	0.53718E-02	490555.7	3753175.5	494.1	1.00	9.38	0.23	YES
L0112698	0	0.53718E-02	490573.0	3753165.2	493.7	1.00	9.38	0.23	YES
L0112699	0	0.53718E-02	490590.4	3753154.9	493.4	1.00	9.38	0.23	YES
L0112700	0	0.53718E-02	490607.8	3753144.7	493.0	1.00	9.38	0.23	YES
L0112701	0	0.53718E-02	490625.1	3753134.4	492.6	1.00	9.38	0.23	YES
L0112702	0	0.53718E-02	490642.5	3753124.1	492.2	1.00	9.38	0.23	YES
L0112703	0	0.53718E-02	490657.6	3753111.4	491.7	1.00	9.38	0.23	YES
L0112704	0	0.53718E-02	490669.5	3753095.1	491.1	1.00	9.38	0.23	YES
L0112705	0	0.53718E-02	490681.4	3753078.8	490.5	1.00	9.38	0.23	YES
L0112706	0	0.53718E-02	490693.3	3753062.5	489.8	1.00	9.38	0.23	YES
L0112707	0	0.53718E-02	490705.2	3753046.2	489.2	1.00	9.38	0.23	YES
L0112708	0	0.53718E-02	490717.1	3753029.9	488.6	1.00	9.38	0.23	YES
L0112709	0	0.53718E-02	490729.0	3753013.6	487.9	1.00	9.38	0.23	YES
L0112710	0	0.53718E-02	490740.9	3752997.3	487.3	1.00	9.38	0.23	YES
L0112711	0	0.53718E-02	490752.8	3752981.1	486.7	1.00	9.38	0.23	YES
L0112712	0	0.53718E-02	490764.7	3752964.8	486.0	1.00	9.38	0.23	YES
L0112713	0	0.53718E-02	490776.6	3752948.5	485.4	1.00	9.38	0.23	YES
L0112714	0	0.53718E-02	490788.4	3752932.2	484.8	1.00	9.38	0.23	YES
L0112715	0	0.53718E-02	490800.3	3752915.9	484.1	1.00	9.38	0.23	YES
L0112716	0	0.53718E-02	490812.2	3752899.6	483.5	1.00	9.38	0.23	YES
L0112717	0	0.53718E-02	490824.1	3752883.3	482.9	1.00	9.38	0.23	YES
L0112718	0	0.53718E-02	490836.0	3752867.0	482.2	1.00	9.38	0.23	YES
L0112719	0	0.53718E-02	490847.9	3752850.7	481.6	1.00	9.38	0.23	YES
L0112720	0	0.53718E-02	490859.8	3752834.4	480.9	1.00	9.38	0.23	YES
L0112721	0	0.53718E-02	490871.7	3752818.1	480.3	1.00	9.38	0.23	YES
L0112722	0	0.53718E-02	490883.6	3752801.8	479.7	1.00	9.38	0.23	YES
L0112723	0	0.53718E-02	490895.5	3752785.5	479.0	1.00	9.38	0.23	YES
L0112724	0	0.53718E-02	490907.4	3752769.2	478.4	1.00	9.38	0.23	YES
L0112725	0	0.53718E-02	490919.2	3752752.9	477.8	1.00	9.38	0.23	YES
L0112726	0	0.53718E-02	490931.1	3752736.6	477.1	1.00	9.38	0.23	YES
L0112727	0	0.53718E-02	490943.0	3752720.3	476.5	1.00	9.38	0.23	YES
L0112728	0	0.53718E-02	490954.9	3752704.0	475.9	1.00	9.38	0.23	YES
L0112729	0	0.53718E-02	490966.8	3752687.7	475.2	1.00	9.38	0.23	YES
L0112730	0	0.53718E-02	490978.7	3752671.4	474.6	1.00	9.38	0.23	YES
L0112731	0	0.53718E-02	490990.6	3752655.1	474.0	1.00	9.38	0.23	YES

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112732	0	0.53718E-02	491002.5	3752638.8	473.3	1.00	9.38	0.23	YES	
L0112733	0	0.53718E-02	491014.4	3752622.6	472.7	1.00	9.38	0.23	YES	
L0112734	0	0.53718E-02	491026.3	3752606.3	472.1	1.00	9.38	0.23	YES	
L0112735	0	0.53718E-02	491038.2	3752590.0	471.4	1.00	9.38	0.23	YES	
L0112736	0	0.53718E-02	491050.1	3752573.7	470.8	1.00	9.38	0.23	YES	
L0112737	0	0.53718E-02	491061.9	3752557.4	470.2	1.00	9.38	0.23	YES	
L0112738	0	0.53718E-02	491073.8	3752541.1	469.5	1.00	9.38	0.23	YES	
L0112739	0	0.53718E-02	491085.7	3752524.8	468.9	1.00	9.38	0.23	YES	
L0112740	0	0.53718E-02	491097.6	3752508.5	468.2	1.00	9.38	0.23	YES	
L0112741	0	0.53718E-02	491109.5	3752492.2	467.6	1.00	9.38	0.23	YES	
L0112742	0	0.53718E-02	491121.4	3752475.9	467.0	1.00	9.38	0.23	YES	
L0112743	0	0.53718E-02	491133.3	3752459.6	466.3	1.00	9.38	0.23	YES	
L0112744	0	0.53718E-02	491145.2	3752443.3	465.7	1.00	9.38	0.23	YES	
L0112745	0	0.53718E-02	491157.1	3752427.0	465.1	1.00	9.38	0.23	YES	
L0112746	0	0.53718E-02	491169.0	3752410.7	464.4	1.00	9.38	0.23	YES	
L0112747	0	0.53718E-02	491180.9	3752394.4	463.8	1.00	9.38	0.23	YES	
L0112748	0	0.53718E-02	491192.7	3752378.1	463.2	1.00	9.38	0.23	YES	

**MODELOPTS: NonDFAULT CONC ELEV
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*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
PHASE1	0	0.40400E-06	485577.5	3755020.4	527.6	2.90	11	0.00	YES	
PHASE2	0	0.37000E-06	485955.1	3753354.8	492.2	3.00	24	0.00	YES	

**MODELOPTS: NonDFAULT CONC ELEV
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs							
ALL	PHASE1 ,	L0112381 ,	L0112382 ,	L0112383 ,	L0112384 ,	L0112385 ,	L0112386 ,	L0112387 ,
	L0112388 ,	L0112389 ,	L0112390 ,	L0112391 ,	L0112392 ,	L0112393 ,	L0112394 ,	L0112395 ,
	L0112396 ,	L0111700 ,	L0111701 ,	L0111702 ,	L0111703 ,	L0111704 ,	L0111705 ,	L0111706 ,
	L0111707 ,	L0111708 ,	L0111709 ,	L0111710 ,	L0111711 ,	L0111712 ,	L0111713 ,	L0111714 ,
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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                    ***        12/19/12
                                    *** CO - LST Assessment (No Refrigeration)                    ***        08:16:54
                                                                                                             PAGE  22
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                 FASTALL

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***
 GROUP ID                                          SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                    ***        12/19/12
                                    *** CO - LST Assessment (No Refrigeration)                    ***        08:16:54
                                                                                                             PAGE  23
 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                 FASTALL

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***
 GROUP ID                                          SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                   *** CO - LST Assessment (No Refrigeration)                                  ***        08:16:54
                                                                                                                          PAGE  24
 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***
 GROUP ID                                                   SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                   *** CO - LST Assessment (No Refrigeration)                                  ***        08:16:54
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 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***
 GROUP ID                                                   SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

461553.0, 462553.0, 463553.0, 464553.0, 465553.0, 466553.0, 467553.0, 468553.0, 469553.0, 470553.0,
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*** Y-COORDINATES OF GRID ***
(METERS)

3741938.3, 3742938.3, 3743938.3, 3744938.3, 3745938.3, 3746938.3, 3747938.3, 3748938.3, 3749938.3, 3750938.3,
3751938.3, 3752938.3, 3753938.3, 3754938.3, 3755938.3, 3756938.3, 3757938.3, 3758938.3, 3759938.3, 3760938.3,
3761938.3, 3762938.3, 3763938.3, 3764938.3, 3765938.3, 3766938.3, 3767938.3,

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	317.90	315.50	311.70	305.80	301.50	279.60	278.50	272.60	279.20
3766938.31	336.30	305.50	294.90	294.00	283.00	268.30	267.10	395.80	277.90
3765938.31	325.60	405.70	301.30	289.30	287.10	261.20	293.50	397.30	291.80
3764938.31	311.30	365.90	350.10	293.30	273.50	258.00	261.00	288.90	288.10
3763938.31	295.70	394.50	275.10	267.50	248.90	253.00	257.10	276.60	299.60
3762938.31	266.30	266.90	261.00	243.60	247.90	254.20	263.80	281.00	306.80
3761938.31	242.70	240.00	239.10	241.70	250.50	255.90	268.10	287.50	312.50
3760938.31	227.40	232.20	233.60	267.10	260.30	266.80	279.00	295.10	323.80
3759938.31	231.00	227.90	306.60	254.10	267.80	278.00	287.90	303.00	326.30
3758938.31	225.00	236.10	253.00	263.10	271.10	278.30	294.20	306.30	325.20
3757938.31	242.90	247.20	257.60	287.20	273.70	269.10	286.50	309.40	333.40
3756938.31	240.20	249.30	257.40	270.00	287.90	314.60	321.20	305.30	333.60
3755938.31	246.00	257.10	266.10	276.80	293.20	340.60	359.10	392.00	355.20
3754938.31	248.50	260.00	276.80	296.00	315.10	378.50	397.50	424.40	446.50
3753938.31	260.60	269.80	285.70	300.20	343.20	384.50	408.70	459.30	492.70
3752938.31	270.20	283.70	306.80	324.20	359.90	410.50	453.20	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	370.10	406.50	435.60	459.70	473.80
3750938.31	302.60	319.90	344.80	357.00	359.90	410.40	467.40	475.40	487.80
3749938.31	329.00	337.50	391.80	442.20	444.30	439.90	466.10	486.40	501.00
3748938.31	396.00	335.40	377.80	424.70	452.80	466.30	492.50	530.60	513.50
3747938.31	427.10	444.20	382.70	398.40	434.20	525.50	527.90	535.40	508.80
3746938.31	441.20	476.80	468.20	415.80	447.50	476.50	480.20	486.90	492.60
3745938.31	443.70	473.10	464.50	438.00	420.80	444.80	467.60	496.10	513.30
3744938.31	430.60	450.90	441.80	434.80	446.20	468.50	540.20	507.00	518.10
3743938.31	417.00	420.10	430.30	443.00	447.20	451.30	469.00	476.40	478.80
3742938.31	435.90	446.30	466.50	498.00	501.00	511.50	481.80	517.80	556.40
3741938.31	474.60	533.00	551.60	552.10	619.20	572.30	597.50	653.00	564.20

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	283.60	289.00	304.20	312.00	323.50	341.00	348.00	353.60	357.50
3766938.31	301.20	333.70	340.60	336.20	384.40	409.90	380.20	386.80	384.50
3765938.31	313.20	342.50	448.10	359.20	407.10	458.80	482.50	461.70	459.60
3764938.31	311.10	346.40	657.00	455.30	395.40	467.20	504.80	545.20	510.30
3763938.31	325.70	353.10	435.90	504.40	420.40	430.90	500.60	554.40	626.90
3762938.31	318.70	356.60	382.20	408.20	498.60	534.40	470.90	509.90	539.10
3761938.31	411.70	551.30	580.90	449.90	615.40	776.00	690.30	617.60	548.30
3760938.31	399.70	469.40	625.60	642.80	582.20	632.10	814.90	830.10	632.90
3759938.31	352.70	380.50	666.10	820.90	599.20	547.70	579.10	784.30	625.60
3758938.31	356.30	404.00	732.30	830.30	615.10	544.90	541.10	565.00	602.60
3757938.31	390.90	429.40	509.10	790.60	782.00	562.30	524.60	545.10	576.90
3756938.31	396.60	462.40	469.80	513.40	695.40	563.20	521.90	516.20	540.60
3755938.31	451.40	484.60	457.40	488.80	514.90	515.10	503.90	508.20	511.80
3754938.31	462.00	468.90	467.80	474.40	483.10	495.10	497.10	497.00	496.10
3753938.31	485.80	444.20	462.50	468.20	470.10	483.70	489.90	488.60	488.00
3752938.31	496.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	499.70	534.90	498.40	478.90	472.10	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	472.60	465.30	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	467.20	456.80	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	476.10	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	454.60	452.80	451.90
3746938.31	525.30	513.50	511.80	533.20	519.10	469.50	454.30	454.50	447.50
3745938.31	546.30	513.20	510.80	517.60	521.80	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	533.40	477.40	461.80	449.40	445.80
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	522.10	528.30	527.90	518.60	512.50	490.80	475.50	452.00	447.80
3741938.31	593.90	581.10	555.50	534.60	537.70	549.40	498.00	460.30	442.90

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	373.90	406.60	408.60	429.30	457.00	476.70	495.00	534.80	562.90
3765938.31	441.20	390.60	450.20	458.00	486.40	516.70	539.40	562.30	602.20
3764938.31	472.90	447.20	408.10	450.00	508.00	549.40	579.80	596.40	630.70
3763938.31	573.90	480.90	465.10	443.30	451.50	526.90	616.60	643.00	665.40
3762938.31	633.40	621.10	497.10	513.60	500.30	473.20	549.60	558.50	597.70
3761938.31	633.80	696.10	578.40	595.10	536.00	493.00	521.50	573.40	589.70
3760938.31	612.70	771.50	774.50	667.50	632.60	595.90	532.50	510.00	543.10
3759938.31	750.20	721.00	823.40	796.40	718.30	624.10	577.90	559.90	566.90
3758938.31	769.50	817.80	682.00	715.80	715.30	649.00	632.00	705.60	627.80
3757938.31	654.20	735.40	726.40	625.20	646.60	603.80	643.90	673.20	703.70
3756938.31	578.40	596.10	632.00	636.80	574.80	581.40	584.90	593.20	633.90
3755938.31	534.90	550.50	557.10	551.80	558.10	556.20	551.80	549.40	578.00
3754938.31	501.90	518.80	513.20	530.30	535.20	537.10	527.60	525.60	526.30
3753938.31	484.50	494.20	500.90	507.30	527.20	515.60	503.90	503.00	496.40
3752938.31	472.20	481.00	482.10	483.90	484.30	487.50	488.10	487.40	479.60
3751938.31	472.00	468.70	466.60	469.20	467.20	475.60	513.80	650.90	533.40
3750938.31	462.20	464.30	454.80	461.90	476.80	531.30	771.00	658.60	548.10
3749938.31	461.90	456.70	491.00	524.00	524.30	563.50	580.90	550.10	513.70
3748938.31	453.60	458.80	528.40	666.50	545.30	516.50	507.70	500.10	534.60
3747938.31	448.80	453.60	630.60	614.60	504.60	497.40	478.00	495.60	566.60
3746938.31	443.40	457.10	486.30	478.00	478.00	478.00	478.00	535.10	465.60
3745938.31	444.60	444.00	451.50	478.00	478.00	478.00	544.70	620.50	435.80
3744938.31	442.20	442.80	446.20	452.70	478.00	491.40	688.80	460.70	434.70
3743938.31	442.20	443.90	443.80	449.80	518.60	704.30	461.70	433.40	439.40
3742938.31	443.00	436.50	441.80	460.50	485.80	462.50	436.60	434.40	437.20
3741938.31	440.00	440.00	443.20	464.70	494.00	451.40	435.10	436.80	444.80

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	585.60	659.90	750.50	849.50	964.60	887.60	799.80	842.60
3766938.31	620.90	644.20	726.40	740.70	749.70	765.90	746.90	783.40	825.20
3765938.31	647.50	671.10	648.30	644.30	667.00	700.80	752.10	785.40	821.00
3764938.31	645.70	628.90	634.80	634.90	658.40	717.30	744.10	769.90	803.90
3763938.31	641.80	636.10	611.10	647.70	662.20	696.20	735.10	762.10	788.90
3762938.31	567.80	579.90	612.80	639.70	683.70	703.20	737.10	760.10	788.60
3761938.31	645.00	662.30	670.20	680.00	684.30	717.00	734.10	758.40	782.00
3760938.31	605.10	665.70	651.20	671.30	699.20	686.90	709.50	748.60	777.00
3759938.31	554.60	565.70	601.70	627.90	662.80	672.60	705.00	707.60	735.00
3758938.31	691.80	646.90	606.20	641.40	617.10	646.90	656.00	701.50	705.00
3757938.31	708.00	700.40	691.40	714.50	700.80	636.00	691.20	708.50	717.50
3756938.31	671.60	698.80	672.20	693.20	762.30	676.60	660.50	722.70	744.70
3755938.31	584.70	625.90	643.00	724.20	685.50	740.50	714.80	678.00	696.50
3754938.31	538.80	559.60	583.70	611.70	661.10	631.20	658.60	711.00	714.10
3753938.31	497.80	504.20	536.20	577.90	576.60	604.60	594.70	629.30	712.60
3752938.31	476.00	484.00	483.20	521.60	511.20	551.60	565.60	597.80	713.90
3751938.31	461.80	464.20	456.50	460.80	483.90	546.20	559.10	588.10	668.30
3750938.31	452.20	443.30	437.30	433.00	456.70	508.60	521.70	564.30	641.50
3749938.31	440.90	437.90	432.30	428.00	441.00	462.30	480.10	618.00	616.20
3748938.31	447.80	435.20	433.30	430.10	431.40	434.70	436.80	562.80	649.90
3747938.31	441.10	433.70	435.40	437.00	430.60	428.00	432.60	441.60	530.80
3746938.31	435.20	470.70	436.80	436.10	434.50	439.70	433.90	437.50	452.70
3745938.31	432.10	434.70	437.10	439.10	440.90	438.60	438.10	435.60	446.20
3744938.31	435.10	440.90	436.10	438.20	441.30	441.00	441.10	438.90	439.20
3743938.31	445.10	447.60	443.00	442.10	473.20	470.40	440.10	441.00	440.30
3742938.31	453.00	463.60	463.40	470.40	558.30	719.10	644.10	446.20	448.60
3741938.31	459.30	477.60	489.00	576.80	623.40	693.40	713.10	512.00	449.70

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** CO - LST Assessment (No Refrigeration) *** 08:16:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	884.20	929.90	993.80	1066.90	1171.60	1243.50	1319.20	1434.80	1630.30
3766938.31	883.00	946.60	1050.80	1085.60	1198.10	1517.00	1503.00	1502.80	1502.40
3765938.31	883.90	1004.20	1177.00	1131.40	1192.90	1410.70	1471.10	1478.60	1400.30
3764938.31	850.10	947.40	1013.60	1008.70	1179.60	1281.10	1301.70	1306.10	1382.20
3763938.31	829.40	857.30	905.40	964.90	1044.10	1180.20	1202.20	1179.70	1257.70
3762938.31	822.50	865.90	944.60	1007.70	1037.60	1078.00	1127.90	1158.40	1182.30
3761938.31	809.00	878.30	953.60	1169.40	1036.50	1099.60	1048.30	1047.60	1121.70
3760938.31	787.90	883.00	940.40	982.90	1006.80	962.30	991.10	1006.40	1068.70
3759938.31	799.00	833.90	872.10	865.40	882.00	901.80	917.10	980.90	1014.00
3758938.31	739.80	775.50	823.60	827.30	844.80	866.20	876.00	896.40	973.80
3757938.31	745.50	766.60	789.80	806.10	812.70	836.20	847.10	869.00	891.20
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00

3755938.31	712.20	729.00	750.70	778.90	796.10	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	733.70	739.00	748.20	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	698.30	742.60	758.40	806.00	784.40	793.40	782.90	776.00	774.50
3751938.31	688.50	698.30	788.50	827.60	779.20	816.00	826.50	776.50	765.50
3750938.31	637.60	658.70	761.70	746.60	753.10	763.30	778.20	767.10	824.50
3749938.31	565.10	605.60	688.00	741.70	730.60	768.40	748.50	743.00	742.90
3748938.31	600.40	581.60	634.10	689.10	721.10	712.00	735.90	695.10	721.80
3747938.31	612.80	550.40	629.60	635.50	674.00	749.80	680.90	680.10	661.60
3746938.31	475.00	519.90	658.40	668.60	636.20	659.50	635.50	626.90	644.80
3745938.31	457.70	478.30	548.30	576.50	593.60	572.70	612.10	688.50	733.30
3744938.31	445.20	446.70	455.30	487.90	797.60	730.60	713.70	991.50	924.10
3743938.31	441.00	442.60	443.20	451.00	524.60	831.50	1033.10	970.20	1073.70
3742938.31	441.80	443.80	445.20	450.00	460.10	583.10	792.30	1036.30	1119.40
3741938.31	445.60	445.70	445.30	450.20	453.60	459.80	469.30	669.80	974.60

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	677.00	570.00	311.70	305.80	301.50	279.60	328.00	406.00	735.00
3766938.31	677.00	677.00	478.00	303.00	283.00	289.00	434.00	406.00	735.00
3765938.31	677.00	478.00	518.00	478.00	287.10	429.00	434.00	434.00	735.00
3764938.31	677.00	518.00	518.00	518.00	273.50	258.00	434.00	735.00	735.00
3763938.31	677.00	518.00	518.00	518.00	248.90	253.00	257.10	735.00	758.00
3762938.31	677.00	518.00	518.00	518.00	247.90	259.00	580.00	735.00	905.00
3761938.31	518.00	518.00	518.00	373.00	250.50	255.90	580.00	905.00	932.00
3760938.31	227.40	392.00	392.00	392.00	260.30	266.80	580.00	932.00	932.00
3759938.31	231.00	392.00	392.00	392.00	267.80	278.00	905.00	932.00	932.00
3758938.31	225.00	251.00	253.00	263.10	271.10	278.30	905.00	932.00	932.00
3757938.31	242.90	247.20	257.60	343.00	319.00	294.00	905.00	932.00	932.00
3756938.31	240.20	249.30	257.40	318.00	287.90	314.60	330.00	932.00	932.00
3755938.31	246.00	257.10	266.10	276.80	432.00	432.00	359.10	404.00	932.00
3754938.31	248.50	260.00	276.80	296.00	432.00	432.00	397.50	427.00	459.00
3753938.31	260.60	269.80	337.00	300.20	372.00	401.00	408.70	459.30	492.70
3752938.31	270.20	288.00	306.80	324.20	359.90	439.00	470.00	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	374.00	498.00	498.00	466.00	473.80
3750938.31	302.60	319.90	344.80	384.00	359.90	472.00	467.40	475.40	487.80
3749938.31	411.00	337.50	458.00	458.00	446.00	448.00	466.10	486.40	501.00
3748938.31	405.00	480.00	395.00	424.70	455.00	466.30	492.50	543.00	513.50
3747938.31	428.00	456.00	498.00	398.40	559.00	559.00	537.00	535.40	508.80
3746938.31	441.20	476.80	488.00	445.00	447.50	476.50	480.20	486.90	492.60
3745938.31	445.00	478.00	468.00	438.00	420.80	450.00	467.60	496.10	513.30
3744938.31	464.00	450.90	441.80	434.80	451.00	501.00	540.20	507.00	518.10
3743938.31	417.00	422.00	430.30	632.00	633.00	633.00	661.00	685.00	478.80
3742938.31	597.00	710.00	710.00	632.00	633.00	633.00	687.00	687.00	687.00
3741938.31	710.00	710.00	710.00	736.00	633.00	602.00	661.00	680.00	734.00

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	735.00	735.00	735.00	735.00	735.00	341.00	348.00	353.60	357.50
3766938.31	735.00	735.00	735.00	735.00	735.00	481.00	563.00	634.00	642.00
3765938.31	735.00	735.00	735.00	841.00	735.00	461.00	563.00	635.00	644.00
3764938.31	735.00	758.00	735.00	735.00	941.00	941.00	941.00	941.00	941.00
3763938.31	867.00	867.00	856.00	856.00	941.00	941.00	941.00	941.00	634.00
3762938.31	932.00	932.00	941.00	941.00	941.00	941.00	941.00	941.00	941.00
3761938.31	905.00	850.00	867.00	941.00	941.00	874.00	941.00	941.00	941.00
3760938.31	932.00	932.00	905.00	905.00	941.00	941.00	941.00	941.00	941.00
3759938.31	932.00	932.00	932.00	867.00	941.00	941.00	941.00	941.00	941.00
3758938.31	932.00	932.00	932.00	905.00	932.00	941.00	941.00	941.00	941.00
3757938.31	932.00	932.00	932.00	932.00	932.00	941.00	941.00	941.00	941.00
3756938.31	932.00	932.00	932.00	932.00	932.00	932.00	941.00	941.00	890.00
3755938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	890.00
3754938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	497.00	496.10
3753938.31	485.80	932.00	932.00	932.00	932.00	932.00	489.90	488.60	488.00
3752938.31	509.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	509.00	541.00	503.00	478.90	479.00	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	479.00	490.00	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	468.00	490.00	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	478.00	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	462.00	452.80	451.90
3746938.31	566.00	513.50	511.80	536.00	519.10	469.50	454.30	454.50	457.00
3745938.31	559.00	513.20	510.80	517.60	540.00	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	548.00	477.40	461.80	449.40	447.00
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	734.00	528.30	527.90	518.60	515.00	490.80	475.50	455.00	452.00
3741938.31	734.00	734.00	555.50	534.60	537.70	549.40	597.00	460.30	442.90

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	537.00	406.60	408.60	429.30	457.00	516.00	508.00	534.80	565.00
3765938.31	644.00	537.00	495.00	525.00	493.00	516.70	539.40	588.00	645.00
3764938.31	941.00	687.00	858.00	525.00	523.00	575.00	579.80	596.40	666.00
3763938.31	687.00	941.00	858.00	858.00	858.00	623.00	625.00	643.00	677.00
3762938.31	941.00	782.00	858.00	858.00	858.00	641.00	581.00	693.00	693.00
3761938.31	941.00	858.00	858.00	858.00	858.00	858.00	555.00	616.00	654.00
3760938.31	941.00	824.00	858.00	858.00	858.00	802.00	771.00	751.00	654.00
3759938.31	887.00	890.00	833.00	829.00	802.00	771.00	771.00	774.00	774.00
3758938.31	890.00	890.00	890.00	829.00	741.00	731.00	751.00	751.00	774.00
3757938.31	890.00	890.00	890.00	890.00	684.00	603.80	738.00	774.00	774.00
3756938.31	890.00	890.00	890.00	682.00	574.80	581.40	584.90	774.00	774.00
3755938.31	890.00	890.00	890.00	721.00	558.10	556.20	551.80	549.40	607.00
3754938.31	890.00	890.00	518.00	530.30	617.00	537.10	527.60	525.60	528.00
3753938.31	484.50	494.20	500.90	617.00	617.00	615.00	811.00	811.00	777.00
3752938.31	472.20	481.00	482.10	483.90	811.00	811.00	811.00	811.00	811.00
3751938.31	472.00	468.70	466.60	798.00	811.00	811.00	811.00	811.00	811.00
3750938.31	462.20	741.00	777.00	798.00	811.00	811.00	798.00	811.00	811.00
3749938.31	766.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00	811.00
3748938.31	777.00	777.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00
3747938.31	777.00	777.00	777.00	777.00	777.00	810.00	811.00	810.00	804.00
3746938.31	777.00	777.00	777.00	777.00	810.00	810.00	810.00	810.00	810.00
3745938.31	444.60	777.00	777.00	810.00	810.00	810.00	810.00	810.00	810.00
3744938.31	442.20	442.80	757.00	810.00	810.00	810.00	810.00	810.00	810.00
3743938.31	442.20	443.90	757.00	810.00	810.00	757.00	810.00	810.00	810.00
3742938.31	443.00	436.50	757.00	757.00	810.00	810.00	810.00	810.00	810.00
3741938.31	440.00	443.00	757.00	757.00	757.00	810.00	810.00	810.00	444.80

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** CO - LST Assessment (No Refrigeration) *** 08:16:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	985.00	1018.00	1018.00	1018.00	985.00	1018.00	1656.00	1771.00
3766938.31	626.00	757.00	757.00	985.00	1018.00	1018.00	1611.00	1677.00	1771.00
3765938.31	663.00	671.10	784.00	1018.00	1018.00	1018.00	1611.00	1677.00	1771.00
3764938.31	681.00	628.90	634.80	634.90	985.00	717.30	1611.00	1677.00	1740.00
3763938.31	668.00	687.00	638.00	664.00	690.00	721.00	735.10	1677.00	1677.00
3762938.31	686.00	682.00	684.00	690.00	689.00	720.00	737.10	1611.00	1677.00
3761938.31	686.00	678.00	682.00	691.00	705.00	717.00	734.10	758.40	1677.00
3760938.31	697.00	685.00	677.00	715.00	708.00	696.00	723.00	776.00	785.00
3759938.31	769.00	755.00	701.00	715.00	717.00	708.00	705.00	707.60	1200.00
3758938.31	755.00	762.00	764.00	648.00	712.00	677.00	736.00	710.00	705.00
3757938.31	769.00	764.00	764.00	748.00	730.00	794.00	736.00	712.00	730.00
3756938.31	760.00	761.00	764.00	763.00	794.00	794.00	735.00	728.00	744.70
3755938.31	760.00	760.00	683.00	727.00	794.00	768.00	742.00	678.00	717.00
3754938.31	546.00	639.00	627.00	727.00	711.00	768.00	747.00	739.00	757.00
3753938.31	777.00	569.00	596.00	581.00	692.00	653.00	745.00	771.00	771.00
3752938.31	811.00	777.00	575.00	529.00	628.00	615.00	625.00	771.00	746.00
3751938.31	811.00	777.00	461.00	460.80	578.00	546.20	592.00	746.00	709.00
3750938.31	811.00	811.00	437.30	433.00	456.70	518.00	713.00	713.00	680.00
3749938.31	811.00	811.00	432.30	428.00	441.00	713.00	713.00	713.00	713.00
3748938.31	811.00	729.00	729.00	432.00	439.00	713.00	713.00	713.00	663.00
3747938.31	804.00	804.00	729.00	437.00	430.60	428.00	713.00	713.00	663.00
3746938.31	810.00	804.00	599.00	436.10	434.50	439.70	433.90	653.00	663.00
3745938.31	810.00	804.00	437.10	439.10	796.00	796.00	438.10	435.60	446.20
3744938.31	810.00	804.00	436.10	796.00	796.00	796.00	796.00	796.00	439.20
3743938.31	810.00	447.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3742938.31	453.00	463.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3741938.31	459.30	477.60	796.00	796.00	796.00	796.00	781.00	796.00	796.00

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** CO - LST Assessment (No Refrigeration) *** 08:16:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3766938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1641.00	1771.00	1771.00	1771.00
3765938.31	1771.00	1771.00	1677.00	1771.00	1771.00	1677.00	1677.00	1771.00	1771.00
3764938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3763938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3762938.31	1677.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3761938.31	1677.00	1677.00	1677.00	1183.00	1677.00	1677.00	1771.00	1771.00	1771.00
3760938.31	1677.00	1611.00	1677.00	1677.00	1677.00	1771.00	1771.00	1771.00	1677.00
3759938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1771.00	1771.00	1677.00	1333.00
3758938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1677.00	1677.00	1677.00	1058.00
3757938.31	748.00	766.60	1200.00	1200.00	1194.00	836.20	847.10	1058.00	1058.00
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	799.00	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	754.00	772.00	780.00	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	741.00	744.00	859.00	818.00	784.40	793.40	782.90	776.00	774.50
3751938.31	702.00	859.00	869.00	869.00	781.00	816.00	826.50	936.00	936.00
3750938.31	679.00	869.00	799.00	869.00	792.00	773.00	791.00	936.00	936.00
3749938.31	782.00	860.00	774.00	749.00	819.00	819.00	753.00	936.00	936.00

3748938.31	644.00	670.00	716.00	711.00	783.00	783.00	745.00	748.00	726.00
3747938.31	618.00	800.00	800.00	800.00	830.00	830.00	1129.00	1147.00	1147.00
3746938.31	800.00	800.00	800.00	800.00	1147.00	1147.00	1168.00	1168.00	1168.00
3745938.31	800.00	1133.00	1133.00	1147.00	1168.00	1168.00	1168.00	1168.00	1168.00
3744938.31	1129.00	1147.00	1168.00	1168.00	1133.00	1168.00	1168.00	1016.00	1168.00
3743938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1133.00	1168.00	1078.00
3742938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00
3741938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

484551.7, 484651.7, 484751.7, 484851.7, 484951.7, 485051.7, 485151.7, 485251.7, 485351.7, 485451.7,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.4, 3751034.4, 3751134.4, 3751234.4, 3751334.4, 3751434.4, 3751534.4, 3751634.4, 3751734.4, 3751834.4,
3751934.4, 3752034.4, 3752134.4, 3752234.4, 3752334.4, 3752434.4, 3752534.4, 3752634.4, 3752734.4, 3752834.4,
3752934.4, 3753034.4, 3753134.4, 3753234.4, 3753334.4, 3753434.4, 3753534.4, 3753634.4, 3753734.4, 3753834.4,
3753934.4, 3754034.4, 3754134.4, 3754234.4, 3754334.4, 3754434.4, 3754534.4, 3754634.4,

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	524.70	525.20	523.10	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	523.30	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	521.50	520.70	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	518.70	518.40	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	516.90	518.10	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	518.10	514.80	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	517.70	512.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	515.80	511.30	512.10	511.60	512.10	508.80	506.80	509.90	509.10
3753834.43	510.50	509.90	507.90	511.00	507.90	508.00	508.50	506.70	502.40
3753734.43	507.90	507.90	506.50	506.80	505.40	503.10	508.40	504.90	503.30
3753634.43	505.40	508.10	501.40	503.70	503.70	503.30	503.20	503.00	502.00
3753534.43	502.40	500.60	501.10	505.00	504.30	501.80	501.10	498.80	499.90
3753434.43	498.20	500.10	501.50	501.30	502.50	501.60	499.50	497.50	498.00
3753334.43	498.80	499.20	497.80	498.20	498.30	499.50	497.40	496.00	496.90
3753234.43	496.80	496.00	496.70	497.80	496.40	495.20	496.20	494.90	496.00
3753134.43	498.10	497.00	494.60	493.00	495.50	495.30	497.10	492.90	491.50
3753034.43	494.30	493.10	494.60	493.00	494.00	492.80	493.70	491.30	491.10
3752934.43	487.60	488.10	490.80	488.60	490.80	489.70	490.10	490.20	488.40
3752834.43	488.90	488.00	489.10	488.80	488.50	487.50	487.80	490.40	486.40
3752734.43	486.30	487.90	485.40	485.50	485.30	487.90	484.30	486.00	484.80
3752634.43	486.90	484.10	487.00	485.90	483.90	490.10	488.80	486.00	483.20
3752534.43	483.40	482.40	478.60	483.50	481.50	482.10	483.90	481.50	482.60
3752434.43	480.00	484.30	482.60	483.00	481.10	477.10	483.10	479.20	483.50
3752334.43	478.40	481.10	480.70	479.00	480.30	479.30	481.40	480.90	483.80
3752234.43	475.80	477.00	481.50	478.90	478.30	472.50	481.10	479.50	483.70
3752134.43	475.40	478.80	479.20	479.80	480.70	479.50	480.70	485.90	491.70
3752034.43	480.20	481.20	476.20	478.10	482.00	478.70	482.40	487.10	493.80
3751934.43	475.60	477.20	479.30	478.60	479.40	482.60	487.80	490.10	497.20
3751834.43	475.90	478.80	480.40	483.60	480.90	486.20	491.70	498.90	506.50
3751734.43	482.60	483.70	490.40	491.10	488.70	490.80	495.50	501.30	512.70
3751634.43	487.30	492.60	492.30	493.50	495.90	493.70	501.30	512.90	527.00
3751534.43	490.70	494.00	501.90	502.10	505.60	504.10	514.20	535.70	561.00
3751434.43	495.40	502.10	507.10	510.40	512.40	522.30	540.90	563.70	601.20
3751334.43	500.20	504.10	509.30	515.40	516.70	531.00	556.50	596.00	635.10
3751234.43	504.80	510.60	515.40	521.50	530.10	547.10	570.50	612.20	650.20
3751134.43	512.40	513.00	516.40	540.90	547.30	559.70	574.00	609.80	636.10
3751034.43	514.10	518.70	538.20	566.60	558.70	570.80	594.70	631.60	660.00
3750934.43	532.10	531.70	564.30	576.10	577.60	587.10	618.00	658.00	693.50

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	516.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	507.50
3753934.43	507.60
3753834.43	504.10

3753734.43	502.70
3753634.43	500.40
3753534.43	500.80
3753434.43	497.40
3753334.43	496.10
3753234.43	494.70
3753134.43	492.30
3753034.43	491.70
3752934.43	485.90
3752834.43	487.20
3752734.43	485.10
3752634.43	485.10
3752534.43	484.10
3752434.43	485.40
3752334.43	484.70
3752234.43	491.00
3752134.43	493.80
3752034.43	502.20
3751934.43	504.90
3751834.43	515.40
3751734.43	523.90
3751634.43	548.80
3751534.43	594.90
3751434.43	642.40
3751334.43	689.90
3751234.43	687.90
3751134.43	679.30
3751034.43	697.10
3750934.43	732.40

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	615.00	527.00	526.00	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	615.00	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	616.00	615.00	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	616.00	615.00	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	616.00	615.00	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	616.00	615.00	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	615.00	615.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	615.00	559.00	512.10	511.60	512.10	508.80	811.00	811.00	811.00
3753834.43	615.00	559.00	507.90	511.00	811.00	811.00	811.00	811.00	811.00
3753734.43	613.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3750934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	520.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	811.00
3753934.43	811.00
3753834.43	811.00
3753734.43	811.00
3753634.43	811.00

3753534.43	811.00
3753434.43	811.00
3753334.43	811.00
3753234.43	811.00
3753134.43	811.00
3753034.43	811.00
3752934.43	811.00
3752834.43	811.00
3752734.43	811.00
3752634.43	811.00
3752534.43	811.00
3752434.43	811.00
3752334.43	811.00
3752234.43	811.00
3752134.43	811.00
3752034.43	811.00
3751934.43	811.00
3751834.43	811.00
3751734.43	811.00
3751634.43	811.00
3751534.43	811.00
3751434.43	811.00
3751334.43	811.00
3751234.43	811.00
3751134.43	811.00
3751034.43	811.00
3750934.43	811.00

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** CO - LST Assessment (No Refrigeration) *** 08:16:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

485549.5, 485649.5, 485749.5, 485849.5,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.9, 3751034.9, 3751134.9, 3751234.9, 3751334.9, 3751434.9, 3751534.9, 3751634.9, 3751734.9, 3751834.9,
3751934.9, 3752034.9, 3752134.9, 3752234.9, 3752334.9, 3752434.9, 3752534.9, 3752634.9, 3752734.9, 3752834.9,
3752934.9, 3753034.9, 3753134.9, 3753234.9, 3753334.9, 3753434.9,

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** CO - LST Assessment (No Refrigeration) *** 08:16:54
PAGE 43

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	497.00	494.70	493.80	492.50
3753334.90	495.20	494.30	494.20	494.90
3753234.90	493.20	495.50	492.40	492.80
3753134.90	490.00	490.70	490.50	489.50
3753034.90	490.20	491.70	489.20	490.10
3752934.90	488.20	488.60	486.50	488.00
3752834.90	489.00	487.30	488.80	488.50
3752734.90	488.90	487.30	487.40	486.30
3752634.90	486.00	486.60	486.90	486.00
3752534.90	486.00	484.20	484.00	486.00
3752434.90	485.70	485.00	488.10	493.30
3752334.90	489.50	491.30	494.00	502.10
3752234.90	493.50	496.70	497.00	506.50
3752134.90	498.50	502.00	503.90	507.60
3752034.90	508.20	508.10	511.20	522.80
3751934.90	513.90	513.00	519.30	532.40
3751834.90	518.10	529.70	538.40	559.00
3751734.90	531.80	533.60	558.40	605.00
3751634.90	557.00	570.60	588.90	622.30
3751534.90	599.00	611.20	626.10	628.30
3751434.90	659.50	664.00	669.40	643.70
3751334.90	702.50	703.50	696.20	663.60
3751234.90	708.30	736.50	713.70	692.00
3751134.90	720.70	748.90	725.50	720.30
3751034.90	744.10	769.60	738.00	734.40
3750934.90	771.00	782.40	753.40	754.20

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** CO - LST Assessment (No Refrigeration) *** 08:16:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	811.00	811.00	811.00	811.00
3753334.90	811.00	811.00	811.00	811.00
3753234.90	811.00	811.00	811.00	811.00
3753134.90	811.00	811.00	811.00	811.00

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 3753034.90 |        811.00       811.00       811.00       811.00
 3752934.90 |        811.00       811.00       811.00       811.00
 3752834.90 |        811.00       811.00       811.00       811.00
 3752734.90 |        811.00       811.00       811.00       811.00
 3752634.90 |        811.00       811.00       811.00       811.00
 3752534.90 |        811.00       811.00       811.00       811.00
 3752434.90 |        811.00       811.00       811.00       811.00
 3752334.90 |        811.00       811.00       811.00       811.00
 3752234.90 |        811.00       811.00       811.00       811.00
 3752134.90 |        811.00       811.00       811.00       811.00
 3752034.90 |        811.00       811.00       811.00       811.00
 3751934.90 |        811.00       811.00       811.00       811.00
 3751834.90 |        811.00       811.00       811.00       811.00
 3751734.90 |        811.00       811.00       811.00       811.00
 3751634.90 |        811.00       811.00       811.00       811.00
 3751534.90 |        811.00       811.00       811.00       811.00
 3751434.90 |        811.00       811.00       811.00       811.00
 3751334.90 |        811.00       811.00       811.00       811.00
 3751234.90 |        811.00       811.00       811.00       811.00
 3751134.90 |        811.00       811.00       811.00       811.00
 3751034.90 |        811.00       798.00       811.00       811.00
 3750934.90 |        798.00       798.00       811.00       811.00
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                          ***        12/19/12
                                    *** CO - LST Assessment (No Refrigeration)                         ***        08:16:54
                                                                                                                  PAGE  45
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
                         FASTALL

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     ( 485619.4, 3753969.7,     505.7,     811.0,       0.0);         ( 485713.0, 3753961.9,     506.6,     811.0,       0.0);
     ( 487190.8, 3754410.3,     509.4,     776.0,       0.0);         ( 487194.8, 3754289.5,     507.2,     777.0,       0.0);
     ( 487268.8, 3754090.6,     503.1,     777.0,       0.0);         ( 487483.3, 3754102.3,     502.0,     777.0,       0.0);
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                          ***        12/19/12
                                    *** CO - LST Assessment (No Refrigeration)                         ***        08:16:54
                                                                                                                  PAGE  46
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
                         FASTALL

                       * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
                         LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL


                              SOURCE          - - RECEPTOR LOCATION - -         DISTANCE
                                ID            XR (METERS)   YR (METERS)         (METERS)
                           - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                              L0112477            485553.0     3754938.3            -8.64
                              L0112478            485553.0     3754938.3            -0.74
                              L0111960            487190.8     3754410.3            -0.17
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                          ***        12/19/12
                                    *** CO - LST Assessment (No Refrigeration)                         ***        08:16:54
                                                                                                                  PAGE  47
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
                         FASTALL

                                          *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                   (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                    *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                   (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                          ***        12/19/12
                                    *** CO - LST Assessment (No Refrigeration)                         ***        08:16:54
                                                                                                                  PAGE  48
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
                         FASTALL

                                          *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

   Surface file:   RIVR2.SFC                                                                    Met Version:  11059
   Profile file:   RIVR2.PFL
   Surface format: FREE
   Profile format: FREE
   Surface station no.:        2                  Upper air station no.:     3190
                  Name: UNKNOWN                                     Name: UNKNOWN
                  Year:   2005                                      Year:   2005

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN ALBEDO  REF WS   WD     HT  REF TA     HT
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 05 01 01   1 01   -7.5  0.135 -9.000 -9.000 -999.  115.     29.0  0.39   1.00   1.00    1.60  338.    9.1  279.2    5.5
 05 01 01   1 02   -2.2  0.057 -9.000 -9.000 -999.   34.      7.4  0.39   1.00   1.00    0.90  264.    9.1  279.2    5.5
 05 01 01   1 03   -4.0  0.070 -9.000 -9.000 -999.   42.      7.4  0.39   1.00   1.00    1.10   54.    9.1  278.8    5.5
 05 01 01   1 04   -1.6  0.044 -9.000 -9.000 -999.   21.      4.7  0.39   1.00   1.00    0.70  360.    9.1  278.8    5.5
 05 01 01   1 05   -2.7  0.063 -9.000 -9.000 -999.   37.      8.2  0.39   1.00   1.00    1.00  318.    9.1  278.1    5.5
 05 01 01   1 06   -2.8  0.070 -9.000 -9.000 -999.   42.     10.5  0.39   1.00   1.00    1.10   53.    9.1  277.5    5.5
 05 01 01   1 07   -3.8  0.070 -9.000 -9.000 -999.   42.      7.7  0.39   1.00   1.00    1.10  134.    9.1  278.8    5.5
 05 01 01   1 08   -2.3  0.057 -9.000 -9.000 -999.   31.      7.0  0.39   1.00   0.53    0.90  319.    9.1  278.8    5.5
 05 01 01   1 09   29.7  0.193  0.388  0.005   69.  195.    -21.1  0.39   1.00   0.32    1.20  110.    9.1  282.0    5.5
```

```
05 01 01   1 10   78.5  0.248  1.193  0.005  760.  285.    -17.1  0.39   1.00   0.25    1.50  107.    9.1  284.2    5.5
05 01 01   1 11  118.9  0.316  1.511  0.007 1020.  409.    -23.3  0.39   1.00   0.22    2.00  122.    9.1  285.9    5.5
05 01 01   1 12  132.2  0.238  1.665  0.009 1227.  270.     -9.0  0.39   1.00   0.21    1.30  154.    9.1  287.0    5.5
05 01 01   1 13   80.9  0.249  1.421  0.009 1245.  286.    -16.8  0.39   1.00   0.21    1.50  166.    9.1  287.0    5.5
05 01 01   1 14   80.7  0.305  1.427  0.009 1263.  388.    -31.0  0.39   1.00   0.23    2.00  235.    9.1  287.5    5.5
05 01 01   1 15   36.6  0.321  1.098  0.009 1270.  419.    -79.5  0.39   1.00   0.26    2.30  305.    9.1  286.4    5.5
05 01 01   1 16    1.2  0.206  0.354  0.009 1271.  221.   -629.7  0.39   1.00   0.35    1.60  292.    9.1  285.9    5.5
05 01 01   1 17  -11.9  0.181 -9.000 -9.000 -999.  178.     44.1  0.39   1.00   0.63    1.90  280.    9.1  285.4    5.5
05 01 01   1 18  -17.1  0.313 -9.000 -9.000 -999.  404.    158.3  0.39   1.00   1.00    2.70  304.    9.1  284.2    5.5
05 01 01   1 19   -8.7  0.159 -9.000 -9.000 -999.  161.     40.6  0.39   1.00   1.00    1.70  311.    9.1  283.8    5.5
05 01 01   1 20   -3.8  0.070 -9.000 -9.000 -999.   48.      7.8  0.39   1.00   1.00    1.10   13.    9.1  283.1    5.5
05 01 01   1 21   -4.7  0.076 -9.000 -9.000 -999.   48.      8.2  0.39   1.00   1.00    1.20    8.    9.1  282.0    5.5
05 01 01   1 22   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80  183.    9.1  280.9    5.5
05 01 01   1 23   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   16.    9.1  280.4    5.5
05 01 01   1 24   -2.1  0.051 -9.000 -9.000 -999.   26.      5.4  0.39   1.00   1.00    0.80   62.    9.1  279.9    5.5


First hour of profile data
YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
05 01 01 01    5.5 0 -999.  -99.00   279.3   99.0  -99.00  -99.00
05 01 01 01    9.1 1  338.    1.60  -999.0   99.0  -99.00  -99.00

F indicates top of profile (=1) or below (=0)
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                    *** CO - LST Assessment (No Refrigeration)                                 ***        08:16:54
                                                                                                                          PAGE  49
**MODELOPTs:  NonDFAULT CONC                                                   ELEV
                        FASTALL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     PHASE1      , L0112381    , L0112382    , L0112383    , L0112384    ,
                     L0112385    , L0112386    , L0112387    , L0112388    , L0112389    , L0112390    , L0112391    , L0112392    ,
                     L0112393    , L0112394    , L0112395    , L0112396    , L0111700    , L0111701    , L0111702    , L0111703    ,
                     L0111704    , L0111705    , L0111706    , L0111707    , L0111708    , L0111709    , L0111710    ,  . . .      ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                         ** CONC OF CO       IN MICROGRAMS/M**3                          **

 Y-COORD  |                                                  X-COORD (METERS)
 (METERS) |       461553.03              462553.03              463553.03              464553.03              465553.03
- - - -
```

3751938.3	7.87717 (07121524)	8.07040 (07121524)	8.55106 (07051105)	9.33314 (07051105)	9.91032 (07051105)
3750938.3	8.90177 (07051105)	9.53489 (07051105)	9.74357 (07121401)	10.17233 (07121401)	10.85807 (07121401)
3749938.3	7.81679 (07121401)	7.63145 (07121401)	7.33159 (07121401)	7.14891 (07103105)	9.14153 (07103105)
3748938.3	6.59321 (07103105)	7.13129 (07103105)	8.75284 (07103105)	7.86243 (07103105)	9.06012 (06100505)
3747938.3	7.94310 (06100505)	8.26441 (06100505)	8.04863 (06100505)	7.02997 (06123105)	7.95740 (07042402)
3746938.3	5.91869 (07042402)	6.02891 (06121106)	6.03602 (06121106)	6.50125 (07091806)	8.24959 (07091806)
3745938.3	5.45309 (07091806)	6.12363 (07091806)	6.81062 (07091806)	7.26223 (07020703)	7.67444 (07020703)
3744938.3	5.98536 (07091806)	7.39127 (07020703)	6.43814 (07020703)	7.22873 (07091423)	7.00747 (07091423)
3743938.3	5.41541 (07091423)	5.98060 (07091423)	6.04505 (07091423)	7.41356 (07092702)	8.22548 (07092702)
3742938.3	6.38945 (07091423)	6.74071 (07092702)	7.87934 (07092702)	7.85590 (07092702)	7.27028 (07092702)
3741938.3	7.36265 (07092702)	7.67487 (07092702)	7.20133 (07092702)	6.84384 (07031506)	6.39864 (06100306)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 471553.03	472553.03	473553.03	474553.03	475553.03
3767938.3	7.82280 (07093024)	7.11697 (07020206)	7.81966 (07020206)	6.89519 (07020206)	6.18230 (06110122)
3766938.3	7.96643 (07082106)	8.52510 (07093024)	7.55252 (07020206)	8.67061 (07020206)	7.81915 (07020206)
3765938.3	8.56856 (07082106)	9.58896 (07082106)	9.02205 (07093024)	8.78471 (07093024)	9.64863 (07020206)
3764938.3	6.81744 (07091603)	9.63123 (07082106)	10.36904 (07082106)	9.69367 (07093024)	10.06855 (07093024)
3763938.3	8.73112 (07092502)	7.19900 (07091603)	9.40378 (07082106)	10.64665 (07082106)	10.40794 (07093024)
3762938.3	9.71660 (07092502)	10.63634 (07092502)	9.15144 (07092502)	9.07117 (07091603)	11.85397 (07082106)
3761938.3	10.21365 (06120907)	10.64180 (07060702)	11.87985 (07092502)	12.40098 (07092502)	10.10014 (07102620)
3760938.3	8.72982 (07100404)	11.65059 (06092623)	11.36281 (07121101)	12.02375 (07060702)	13.66359 (07092502)
3759938.3	7.60360 (07092223)	10.97065 (07092223)	10.22474 (07100404)	13.22740 (06092623)	13.36185 (06120907)
3758938.3	7.73812 (07121805)	10.20062 (07121805)	9.26683 (07100903)	13.11669 (07092223)	13.92646 (06100604)
3757938.3	8.70395 (07111902)	10.73490 (07121904)	11.12519 (07121904)	10.72562 (07121904)	14.78124 (07121805)
3756938.3	9.08444 (07091305)	9.45959 (07091305)	11.31569 (07111902)	12.57566 (07111902)	15.26883 (07111902)
3755938.3	12.14722 (07082705)	12.04655 (07082705)	12.28607 (07082705)	12.67888 (07082005)	13.66293 (07082005)
3754938.3	10.18501 (07082705)	11.50024 (07082705)	12.93670 (07082705)	14.42194 (07082705)	16.32840 (07082705)
3753938.3	7.81630 (07091605)	8.50623 (07121524)	9.28189 (07121524)	10.14026 (07121524)	11.18323 (07121524)
3752938.3	11.72303 (07121524)	12.09818 (07121524)	12.68165 (07121524)	13.45462 (07121524)	14.30764 (07121524)
3751938.3	11.25498 (07051105)	11.54174 (07051105)	12.21249 (07051105)	12.90245 (07051105)	13.61096 (07051105)
3750938.3	10.35341 (07121401)	11.11333 (07121401)	10.16668 (07121401)	9.68896 (07121401)	8.98783 (07121401)
3749938.3	9.79585 (07103105)	9.83710 (07103105)	7.98374 (06100505)	8.24704 (06100505)	8.22965 (06100505)
3748938.3	9.39218 (06100505)	8.86068 (06100505)	7.74609 (07042402)	7.39191 (07091806)	7.97787 (07091806)
3747938.3	8.27900 (06121106)	8.28242 (05030406)	8.84322 (07091806)	7.48171 (07020703)	8.33438 (07092702)
3746938.3	7.90679 (07091806)	7.92801 (07020703)	8.92928 (07091423)	9.27422 (07092702)	10.13538 (07092702)
3745938.3	7.43020 (07091423)	7.81919 (07092702)	9.35382 (07092702)	9.64108 (07092702)	8.50971 (07092702)
3744938.3	8.14767 (07092702)	9.00360 (07092702)	8.46722 (07092702)	8.15739 (07031506)	6.36386 (06083104)
3743938.3	8.20119 (07092702)	7.13881 (07092702)	6.56054 (07031506)	6.92112 (06083104)	6.56389 (06083104)
3742938.3	7.28844 (07031506)	7.04387 (06100306)	7.03657 (06083104)	6.98048 (06083104)	7.16397 (07122901)
3741938.3	6.32924 (06083104)	7.20937 (06083104)	7.03571 (06083104)	6.98221 (07122901)	8.19078 (07122901)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 476553.03	477553.03	478553.03	479553.03	480553.03
3767938.3	6.02716 (07031523)	7.03041 (07092705)	7.76488 (07092705)	7.73715 (07062603)	6.84718 (07062603)
3766938.3	6.56480 (06110122)	6.54541 (07031523)	8.07461 (07092705)	8.12762 (07062603)	8.12085 (07062603)
3765938.3	8.77528 (07020206)	7.22702 (06110122)	7.70402 (07092705)	9.13796 (07092705)	8.63009 (07062603)
3764938.3	10.15953 (07020206)	9.62172 (07020206)	8.07042 (06110122)	9.26525 (07092705)	9.64514 (07092705)
3763938.3	11.19647 (07093024)	11.18018 (07020206)	9.93556 (07020206)	9.85862 (06110122)	10.47153 (07092705)
3762938.3	11.85190 (07082106)	12.11604 (07093024)	12.17259 (07020206)	10.68168 (07020206)	10.21817 (07031523)
3761938.3	11.27260 (07082106)	13.12547 (07082106)	13.61811 (07093024)	12.29439 (07020206)	10.98258 (07020206)
3760938.3	11.61232 (07092502)	9.91469 (07082106)	14.03470 (07082106)	14.15029 (07093024)	11.25355 (07020206)
3759938.3	13.84801 (07060702)	13.62431 (07092502)	14.82128 (07102620)	12.94110 (07082106)	13.99319 (07082106)
3758938.3	15.16666 (07100404)	16.17276 (07121101)	16.40270 (07092502)	15.01809 (07092502)	11.87171 (07082106)
3757938.3	14.22761 (06092104)	16.97329 (07092223)	18.36214 (07100404)	17.87790 (06092623)	16.67896 (07092502)
3756938.3	14.85677 (07121904)	14.84233 (07121805)	18.73599 (07121805)	20.18331 (07100903)	21.41450 (07092223)
3755938.3	13.47804 (07091305)	14.60470 (07111902)	16.75964 (07111902)	21.16917 (07121904)	23.73901 (07121904)
3754938.3	17.63802 (07082705)	18.71525 (07082705)	19.68041 (07082705)	20.61580 (07082705)	23.67639 (07082705)
3753938.3	12.25632 (07121524)	13.55953 (07121524)	15.02624 (07121524)	16.92100 (07082705)	21.79038 (07082705)
3752938.3	15.27693 (07121524)	16.39918 (07121524)	17.78751 (07121524)	19.33511 (07121524)	21.49301 (07121524)
3751938.3	14.29868 (07051105)	15.18014 (07121401)	16.05540 (07121401)	16.70325 (07121401)	16.90152 (07121401)
3750938.3	9.38400 (07103105)	9.83781 (06100505)	10.56396 (06100505)	10.89300 (07042402)	12.61504 (07092702)
3749938.3	8.32819 (06121106)	8.95656 (07091806)	9.74254 (07091806)	12.69613 (07092702)	15.04966 (07092702)
3748938.3	8.22455 (07020703)	10.14205 (07092702)	12.23883 (07092702)	13.15181 (07092702)	11.89993 (07092702)
3747938.3	10.32959 (07092702)	11.39283 (07092702)	10.81575 (07092702)	9.00660 (07092702)	11.23383 (07122901)
3746938.3	9.99017 (07092702)	8.70122 (07092702)	7.82398 (06083104)	9.84976 (07122901)	11.53825 (07122901)
3745938.3	6.82051 (07092702)	7.28395 (06083104)	8.88243 (07122901)	10.29696 (07122901)	9.14552 (07122901)
3744938.3	6.86979 (06083104)	8.14014 (07122901)	9.44779 (07122901)	8.54575 (07122901)	7.05451 (07062605)
3743938.3	7.59930 (07122901)	8.81544 (07122901)	8.10519 (07122901)	6.51101 (06112404)	6.98028 (07062605)
3742938.3	8.39748 (07122901)	7.72993 (07122901)	6.26657 (06112404)	6.49933 (07062605)	6.55996 (06101207)
3741938.3	7.66956 (07122901)	6.10737 (06112404)	5.93160 (07062605)	6.22461 (06101207)	6.36028 (07091523)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 481553.03	482553.03	483553.03	484553.03	485553.03
3767938.3	5.98418 (07102602)	6.17763 (07090904)	6.14206 (07062705)	6.29490 (07092501)	7.96784 (07072406)
3766938.3	6.48594 (07102602)	6.33605 (07070424)	6.58285 (07090904)	6.66626 (07062705)	8.34711 (07072406)
3765938.3	8.34941 (07062603)	6.75373 (07070424)	7.17079 (07090904)	7.65847 (07062705)	9.15121 (07072406)
3764938.3	9.04051 (07062603)	7.89972 (07062603)	7.96161 (07090904)	9.14585 (07062705)	9.58067 (07072406)
3763938.3	10.45468 (07062603)	9.57811 (07062603)	7.64830 (07070424)	9.04923 (07062705)	9.89262 (07072406)
3762938.3	11.65460 (07092705)	11.01472 (07062603)	9.87505 (07062603)	8.61861 (07090904)	10.96904 (07072406)
3761938.3	11.86163 (07092705)	12.37110 (07062603)	11.42400 (07062603)	9.64397 (07090904)	11.57994 (07072406)
3760938.3	10.77293 (07020206)	12.20976 (07092705)	12.62280 (07062603)	12.45989 (07070424)	12.41506 (07072406)
3759938.3	11.59999 (07093024)	11.11296 (07020206)	12.17651 (07092705)	13.68034 (07102602)	14.92692 (06092223)
3758938.3	16.61879 (07082106)	14.94038 (07093024)	13.75115 (07020206)	15.71066 (07062603)	15.17079 (07090904)
3757938.3	17.65611 (07092502)	20.52237 (07082106)	19.37389 (07093024)	19.36793 (07092705)	16.55236 (07102602)
3756938.3	22.81637 (06092623)	24.96002 (07092502)	27.69253 (07092502)	27.06945 (07082106)	25.85687 (07092705)
3755938.3	25.70978 (07121904)	30.01288 (07091801)	36.11112 (07100404)	39.35247 (07092502)	39.50007 (07082106)
3754938.3	24.69392 (07111902)	30.69990 (07111902)	37.01888 (07111902)	49.12722 (07121904)	76.68564 (07100404)
3753938.3	28.20758 (07082705)	34.13889 (07082705)	37.98837 (07082705)	48.44993 (07082005)	63.29810 (07111902)
3752938.3	24.22090 (07121524)	27.87100 (07121524)	33.38338 (07051105)	42.74456 (07051105)	57.59509 (07051105)
3751938.3	16.38632 (07121401)	17.71096 (07092702)	22.12414 (07092702)	29.47807 (07092702)	37.11189 (07122901)
3750938.3	15.93466 (07092702)	19.54983 (07092702)	19.19173 (07092702)	23.50386 (06112404)	15.00912 (07103104)
3749938.3	15.83183 (07092702)	16.61823 (07122901)	18.60021 (07122901)	20.02789 (07091523)	19.34590 (07103104)
3748938.3	14.09901 (07122901)	13.13804 (07122901)	16.29910 (07062605)	14.71875 (06092806)	17.26959 (07103104)
3747938.3	12.51723 (07122901)	12.69534 (07062605)	11.87496 (07091523)	14.50072 (07103104)	14.48100 (07111806)
3746938.3	10.15447 (07122901)	9.32420 (07062605)	9.55817 (06092806)	13.31579 (07103104)	12.37752 (07111806)
3745938.3	8.13261 (07062605)	8.56950 (07091523)	8.69819 (06092806)	12.05429 (07103104)	11.13069 (06092624)
3744938.3	7.56017 (06101207)	7.63261 (07091523)	9.25561 (07103104)	10.97108 (07111806)	8.52238 (06092624)
3743938.3	7.13751 (07091523)	7.25215 (06092806)	9.94347 (07103104)	8.77756 (07111806)	8.48934 (07111806)
3742938.3	6.54999 (07091523)	6.72837 (06092806)	9.37200 (07103104)	8.98436 (07111806)	7.29239 (07111806)
3741938.3	6.42545 (06092806)	6.69537 (07103104)	8.79523 (07103104)	8.19515 (07111806)	6.54958 (06092624)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 486553.03	487553.03	488553.03	489553.03	490553.03
3767938.3	7.64021 (07072406)	7.15530 (07090105)	7.44312 (06091106)	7.51835 (07073005)	7.09052 (06101124)
3766938.3	8.02973 (07072406)	7.92866 (07111803)	7.79182 (06091106)	7.61764 (07071206)	6.89103 (07090702)
3765938.3	8.67850 (07072406)	8.33847 (07091001)	8.01013 (06091106)	7.79952 (06091104)	8.36996 (07081304)
3764938.3	9.18763 (07072406)	8.70434 (07091001)	8.52538 (07061005)	8.69009 (06091104)	9.21605 (07081304)
3763938.3	9.51745 (07072406)	8.88940 (07091001)	9.25232 (07073005)	9.28507 (06101124)	10.00329 (07081905)
3762938.3	11.08204 (07072406)	10.61558 (07091001)	10.83541 (07073005)	10.96617 (07081304)	10.80457 (07081905)
3761938.3	12.17627 (07072406)	11.81163 (07091001)	10.89067 (07071206)	11.14034 (07081304)	10.01845 (07081905)
3760938.3	13.27797 (07072406)	13.01729 (07091001)	12.89617 (06091104)	12.29872 (07081905)	11.30866 (07120122)
3759938.3	16.25383 (07072406)	15.40459 (07103106)	15.63811 (07081304)	14.73322 (06092705)	14.11685 (07081206)
3758938.3	13.76895 (07072406)	15.95868 (06091106)	14.34731 (07081905)	14.29127 (07092405)	15.02745 (07081206)
3757938.3	16.68212 (07072406)	14.61828 (06091106)	14.63331 (07081905)	14.59697 (07081206)	12.14285 (07081806)
3756938.3	27.08759 (07062705)	22.68514 (07071206)	19.41132 (07081206)	13.69872 (07081206)	16.02094 (07071305)
3755938.3	42.52397 (07062603)	43.27818 (07081905)	28.58198 (07071305)	22.64259 (07071305)	19.19874 (07111724)
3754938.3	81.94863 (06092623)	62.66518 (07080906)	61.91523 (07080906)	35.30134 (07111901)	26.20936 (07062503)
3753938.3	59.97196 (07121904)	52.12565 (07111807)	48.27396 (06092623)	71.03464 (07111901)	41.99716 (07111901)
3752938.3	59.15925 (07121401)	56.19269 (07111807)	72.04338 (07062005)	58.08331 (07111822)	70.62180 (07062005)
3751938.3	22.82753 (07111806)	41.56874 (07111905)	31.71707 (07111807)	30.31870 (07062005)	34.33660 (07062005)
3750938.3	17.16832 (06092624)	27.09017 (07111905)	19.63739 (07090805)	22.87021 (07111807)	20.55837 (07062005)
3749938.3	19.53685 (07092102)	20.05476 (07111905)	15.38831 (07111905)	17.22213 (07111807)	17.96302 (07111807)
3748938.3	13.74381 (06092624)	16.10796 (07051006)	14.92494 (07111905)	13.15768 (07090805)	15.52328 (07111807)
3747938.3	12.00182 (07111806)	14.39708 (07051006)	13.85339 (07111905)	11.27645 (07110603)	11.47498 (07060803)
3746938.3	11.95928 (07100201)	11.65465 (07111905)	12.55597 (07111905)	10.60667 (07111905)	10.26938 (07090805)
3745938.3	10.44753 (07100201)	9.56265 (07111905)	11.31304 (07111905)	9.95694 (07111905)	9.20473 (07092303)
3744938.3	8.32012 (07100201)	8.20392 (07091006)	10.33136 (07111905)	9.84341 (07111905)	8.32277 (07110603)
3743938.3	7.55216 (07100201)	7.60416 (07091006)	9.58459 (07111905)	9.58287 (07111905)	7.83946 (07110603)
3742938.3	7.07686 (07100201)	7.08486 (07091006)	8.84381 (07111905)	9.28321 (07111905)	7.53082 (07111905)
3741938.3	6.68136 (07100201)	6.71563 (07091006)	7.99752 (07111905)	8.89330 (07111905)	7.78281 (07111905)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 491553.03	492553.03	493553.03	494553.03	495553.03
3767938.3	7.38170 (07081304)	7.30430 (07081905)	4.70520 (07081905)	5.85571 (07120122)	6.11458 (07092405)
3766938.3	7.58436 (07081304)	7.56988 (07081905)	6.11880 (07120122)	6.64015 (07092405)	7.47280 (07081206)
3765938.3	8.68124 (07081905)	7.72000 (07081905)	7.26911 (07120122)	7.39550 (07081206)	7.68350 (07081206)
3764938.3	9.05691 (07081905)	7.84723 (07120122)	7.43272 (07092405)	8.25921 (07081206)	7.14551 (07081206)
3763938.3	8.86548 (07081905)	8.49154 (07092405)	8.95319 (07081206)	7.97600 (07081206)	7.18798 (07101103)
3762938.3	9.51133 (07120122)	9.26325 (07081206)	9.02941 (07081206)	7.79284 (07101103)	7.47277 (07092601)
3761938.3	9.64565 (07092405)	10.22482 (07081206)	8.50185 (07101103)	8.20045 (07092601)	7.72777 (07070405)
3760938.3	11.54625 (07081206)	9.41481 (07081206)	9.57472 (07092601)	8.98290 (07070204)	8.95311 (07071305)
3759938.3	12.22409 (07081206)	10.94236 (07092601)	10.48798 (07070204)	10.53930 (07071305)	10.45857 (07080906)
3758938.3	12.73664 (07081806)	12.99047 (07070204)	12.89639 (07071305)	11.97848 (07080906)	11.02181 (07111724)
3757938.3	12.38362 (07071305)	13.08550 (07062901)	13.94435 (07111724)	11.65041 (07111724)	9.91906 (07063005)
3756938.3	14.63286 (07080906)	11.72649 (07111724)	11.96792 (07111724)	11.91867 (06101102)	9.85318 (07122005)
3755938.3	12.97338 (07111724)	12.74831 (06101102)	10.86066 (07111901)	11.68934 (07111901)	12.53519 (07111901)
3754938.3	21.06133 (07062503)	17.32950 (07111901)	18.11488 (07111901)	16.86744 (07111901)	14.64230 (07111901)
3753938.3	31.73892 (07062503)	29.06802 (07062503)	24.22578 (07100906)	22.50832 (07100906)	19.16584 (07100906)
3752938.3	54.64040 (06123024)	41.11071 (07100402)	30.86999 (07100402)	26.16151 (07100402)	21.92553 (07100402)
3751938.3	39.32131 (07062005)	34.15548 (07012907)	33.96781 (07012907)	28.21218 (07111822)	22.39975 (07091224)
3750938.3	23.81121 (07062005)	26.72172 (07062005)	25.86147 (07080306)	24.69894 (07022524)	24.01828 (07100204)
3749938.3	16.99122 (07111807)	18.83764 (07062005)	21.84368 (07062005)	21.00515 (07062005)	20.52271 (07080306)
3748938.3	14.87696 (07111807)	15.28658 (07111807)	15.24160 (07062005)	17.81409 (07062005)	18.71873 (07062005)
3747938.3	14.17094 (07111807)	13.12006 (07111807)	13.15446 (07111807)	12.69121 (07062005)	15.21198 (07062005)
3746938.3	10.51466 (07111807)	12.64365 (07111807)	12.33161 (07111807)	11.25464 (07111807)	10.59443 (07062005)
3745938.3	9.19187 (07060803)	10.58147 (07111807)	11.42767 (07111807)	11.48758 (07111807)	9.27350 (07111807)
3744938.3	8.52533 (07090805)	8.47604 (07060803)	10.27189 (07111807)	10.52816 (07111807)	10.51817 (07111807)
3743938.3	7.90310 (07092303)	7.85705 (07060803)	7.94254 (06123107)	9.80135 (07111807)	9.89740 (07111807)
3742938.3	7.27785 (07092303)	9.06517 (07090805)	7.75172 (07060803)	8.20453 (06123107)	9.36900 (07111807)
3741938.3	8.20317 (07072604)	8.16958 (07092303)	7.27904 (07090805)	7.37229 (06123107)	8.19781 (07111807)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** CO - LST Assessment (No Refrigeration) *** 08:16:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 496553.03	497553.03	498553.03	499553.03	500553.03
3767938.3	7.34078 (07081206)	6.66918 (07081206)	4.46585 (07101103)	3.62604 (06102024)	2.83457 (06100104)
3766938.3	7.19214 (07081206)	5.74510 (07081206)	4.61411 (07040202)	3.03995 (06100104)	2.83369 (05080704)
3765938.3	6.41823 (07081206)	6.18648 (07040202)	3.79514 (07122408)	2.55447 (07080606)	2.68272 (06042805)
3764938.3	6.62447 (07101103)	6.40937 (07092601)	4.88658 (07070405)	3.61916 (07072006)	4.14809 (07071305)
3763938.3	6.92545 (07092601)	6.65370 (07070405)	6.43225 (07012104)	7.00948 (07071305)	5.74834 (07071305)
3762938.3	7.12562 (07070405)	6.76381 (07012104)	7.96924 (07071305)	6.11687 (07062901)	4.22993 (07111724)
3761938.3	7.76172 (07071305)	8.55187 (07071305)	8.34959 (07080906)	5.86489 (07111724)	2.79590 (07070321)
3760938.3	9.14824 (07062901)	8.75671 (07080906)	8.49401 (07111724)	6.33015 (07111724)	5.20251 (07111724)
3759938.3	9.65222 (07111724)	9.09725 (07111724)	8.06644 (07111724)	7.10359 (07063005)	7.07114 (06101102)
3758938.3	9.91686 (07111724)	8.60235 (07063005)	8.04061 (06101102)	7.51562 (07122005)	7.25395 (07122005)
3757938.3	9.50827 (06101102)	8.75783 (07122005)	7.92680 (07122005)	7.69846 (07082902)	7.90452 (07082902)
3756938.3	9.21946 (07082902)	9.37176 (07082902)	9.12806 (07082902)	8.78259 (07111720)	9.02211 (07111901)
3755938.3	12.23885 (07111901)	12.06751 (07111901)	11.88689 (07111901)	11.52737 (07111901)	10.95372 (07111901)
3754938.3	14.09745 (07062503)	13.37305 (07062503)	12.66467 (07062503)	11.77921 (07062503)	11.61587 (07100906)
3753938.3	14.99036 (07100906)	13.24976 (07100906)	12.00510 (07100906)	10.96006 (07081605)	9.95580 (07081605)
3752938.3	15.57290 (07100402)	15.09494 (07100402)	13.08182 (07100402)	12.13787 (07100402)	10.93631 (07100402)
3751938.3	17.30910 (06123024)	16.18412 (06123024)	15.04180 (06123024)	12.14087 (06123024)	10.78956 (06123024)
3750938.3	20.13226 (07122823)	18.67653 (07111822)	15.15590 (07111822)	11.61677 (07091224)	11.50787 (07091224)
3749938.3	18.62975 (07022524)	19.17013 (07101801)	17.39722 (07012907)	14.94007 (07122823)	13.08827 (07111822)
3748938.3	15.19129 (07080306)	17.49444 (07092401)	16.48185 (07022524)	14.11443 (07101801)	12.68097 (07100204)
3747938.3	17.18721 (07062005)	14.87809 (06123101)	15.34959 (07080306)	14.14867 (07092401)	13.17153 (07022524)
3746938.3	13.17268 (07062005)	14.86383 (07062005)	12.44096 (06123101)	11.87765 (07072002)	12.59077 (07080306)
3745938.3	8.92742 (06091801)	11.45526 (07062005)	13.30705 (07062005)	11.97958 (07062005)	11.98051 (06123101)
3744938.3	8.39785 (07020104)	8.21778 (06091801)	9.87271 (07062005)	11.82540 (07062005)	11.62018 (07062005)
3743938.3	9.37211 (07111807)	7.88755 (07020104)	7.66946 (06091801)	8.49210 (07062005)	10.61243 (07062005)
3742938.3	9.45674 (07111807)	8.13206 (07111807)	7.49874 (07020104)	7.26022 (06091801)	7.41801 (07020207)
3741938.3	8.97162 (07111807)	8.90257 (07111807)	7.01414 (07103102)	7.17855 (07020104)	6.93587 (06091801)

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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501553.03	502553.03	503553.03	504553.03	505553.03
3767938.3	2.36291 (07080606)	1.98293 (07050803)	1.70566 (07090320)	1.29263 (05072122)	1.25668 (07062806)
3766938.3	2.27165 (06010620)	1.25189 (07091507)	1.24339 (07062806)	1.30167 (07062806)	1.27719 (07062806)
3765938.3	2.36326 (07090320)	1.47711 (05072122)	1.36450 (07062806)	1.30967 (07062806)	1.41329 (06093018)
3764938.3	2.46616 (06101524)	1.97339 (07081221)	1.83833 (05071121)	1.79202 (07072223)	1.50800 (05072722)
3763938.3	3.36870 (05021308)	2.46398 (06080406)	2.31702 (06100121)	2.36002 (07112918)	1.98759 (07081602)

3762938.3	3.45444 (06092606)	3.05059 (06051105)	2.77998 (06090420)	2.51770 (05060722)	2.34015 (06101606)
3761938.3	3.63840 (06083101)	3.00456 (06101605)	3.32169 (07072806)	3.15762 (06111923)	2.74571 (07081723)
3760938.3	4.07333 (06090106)	5.03578 (06101102)	4.08347 (06090106)	4.05510 (07083104)	3.11017 (05092304)
3759938.3	7.09835 (06101102)	6.32959 (07122005)	5.39237 (07122005)	4.30477 (07092602)	3.72353 (07082821)
3758938.3	6.46778 (07122005)	6.68352 (07082902)	7.17251 (07082902)	6.92508 (07082902)	5.24677 (07082902)
3757938.3	8.03952 (07082902)	7.86480 (07111720)	7.80640 (07111720)	7.53426 (07092302)	7.82780 (07111901)
3756938.3	9.43854 (07111901)	9.71914 (07111901)	9.86392 (07111901)	9.83145 (07111901)	9.61470 (07111901)
3755938.3	10.35797 (07062503)	10.43980 (07062503)	10.41588 (07062503)	10.31619 (07062503)	10.10225 (07062503)
3754938.3	11.35157 (07100906)	11.17002 (07100906)	10.92159 (07100906)	10.65073 (07100906)	10.32588 (07100906)
3753938.3	9.20735 (07081605)	8.57646 (07081605)	8.17128 (07022102)	8.08541 (07022102)	8.01829 (07022102)
3752938.3	10.78906 (07100402)	10.29178 (07100402)	9.98628 (07100402)	9.63342 (07100402)	9.24300 (07100402)
3751938.3	10.34102 (06123024)	9.15642 (07092406)	8.72387 (07092406)	8.83404 (07092406)	8.44776 (07092406)
3750938.3	10.86636 (07081005)	10.52970 (06123024)	10.67368 (06123024)	10.69836 (06123024)	10.06109 (06123024)
3749938.3	12.02988 (07111822)	9.74695 (07121102)	10.20768 (07121102)	10.06631 (07091224)	9.57306 (07081005)
3748938.3	12.66671 (07012907)	12.29365 (07122823)	11.46617 (07111822)	11.18754 (07111822)	9.36836 (07111822)
3747938.3	11.21529 (07101023)	10.43080 (07100204)	11.06098 (07012907)	11.43166 (07012907)	11.09112 (07122823)
3746938.3	12.22700 (07031704)	11.25630 (07022524)	10.58215 (07101023)	10.90516 (07101801)	10.15429 (07100204)
3745938.3	11.51429 (05052005)	12.01380 (07080306)	11.07469 (07031704)	9.79935 (07022524)	7.96872 (07101023)
3744938.3	9.55207 (06123101)	9.05026 (07072002)	9.79405 (07080306)	5.79387 (07080803)	7.18002 (07031704)
3743938.3	11.63061 (07062005)	8.64072 (06123101)	4.74973 (07102520)	5.70435 (07110607)	4.29989 (05081101)
3742938.3	9.61270 (07062005)	10.82794 (07062005)	8.58143 (07110602)	4.37656 (07102520)	3.76299 (07071323)
3741938.3	6.91208 (07020207)	8.60242 (07062005)	9.96703 (07062005)	9.18931 (07062005)	5.47359 (06123101)

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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71
3754634.4	49.33233 (07082705)	51.41273 (07082705)	53.54910 (07082705)	56.22160 (07082705)	58.64187 (07082705)
3754534.4	47.00542 (07082705)	49.01579 (07082705)	51.30454 (07082705)	53.99998 (07082705)	57.18288 (07082705)
3754434.4	45.99136 (07111902)	47.37762 (07111902)	48.79889 (07111902)	50.71629 (07082705)	52.83619 (07111902)
3754334.4	45.87759 (07111902)	47.21947 (07111902)	48.58847 (07111902)	50.66477 (07121524)	52.80872 (07121524)
3754234.4	46.16507 (07091305)	47.33888 (07091305)	48.58612 (07111902)	50.20536 (07111902)	52.02971 (07111902)
3754134.4	46.91012 (07091305)	48.00746 (07091305)	49.23653 (07091305)	50.47192 (07091305)	51.87938 (07111902)
3754034.4	47.56504 (07082005)	48.55875 (07091305)	49.87350 (07091305)	51.03059 (07091305)	52.48667 (07091305)
3753934.4	48.42969 (07082005)	49.34583 (07082005)	50.87590 (07082005)	52.15858 (07082005)	53.81974 (07091305)
3753834.4	48.16287 (07082705)	49.12387 (07082005)	50.13793 (07082005)	53.02021 (07082005)	53.84962 (07082005)
3753734.4	52.01510 (07082705)	53.05324 (07082705)	54.32663 (07082705)	55.40289 (07082705)	56.74818 (07082705)
3753634.4	55.17189 (07082705)	56.42730 (07082705)	58.50095 (07082705)	60.92102 (07082705)	62.84362 (07082705)
3753534.4	52.32545 (07082705)	54.14091 (07082705)	57.09725 (07082705)	60.88543 (07082705)	64.21590 (07082705)
3753434.4	44.28934 (07082705)	46.82095 (07082705)	49.50703 (07082705)	52.51792 (07082705)	55.87603 (07082705)
3753334.4	44.96633 (07121524)	46.78922 (07121524)	48.45591 (07121524)	50.66195 (07121524)	53.12648 (07121524)
3753234.4	49.14811 (07121524)	50.79942 (07121524)	53.27091 (07121524)	56.19942 (07121524)	58.23074 (07121524)
3753134.4	49.95022 (07121524)	51.12962 (07121524)	51.81077 (07121524)	53.00386 (07121524)	56.30123 (07121524)
3753034.4	45.00360 (07051105)	46.39234 (07051105)	48.46817 (07051105)	49.78694 (07051105)	51.94158 (07051105)
3752934.4	42.64839 (07051105)	43.69301 (07051105)	45.27253 (07051105)	45.82600 (07051105)	47.46873 (07051105)
3752834.4	40.42232 (07051105)	41.08266 (07051105)	42.09946 (07051105)	42.96391 (07051105)	43.94917 (07051105)
3752734.4	38.02712 (07121401)	38.88883 (07121401)	39.55514 (07121401)	40.44549 (07121401)	41.41828 (07121401)
3752634.4	35.92127 (07121401)	36.38729 (07121401)	37.15323 (07121401)	37.73773 (07121401)	38.29109 (07121401)
3752534.4	32.45977 (07121401)	32.64765 (07121401)	32.72920 (07121401)	33.35259 (07092702)	34.63168 (07092702)
3752434.4	29.36225 (07092702)	31.07702 (07092702)	32.26678 (07092702)	33.53809 (07092702)	34.56352 (07092702)
3752334.4	29.86720 (07092702)	31.18431 (07092702)	32.22350 (07092702)	33.18049 (07092702)	34.53692 (07092702)
3752234.4	29.89816 (07092702)	30.95961 (07092702)	32.34421 (07092702)	33.21103 (07092702)	34.13546 (07092702)
3752134.4	29.98575 (07092702)	31.15363 (07092702)	32.05320 (07092702)	32.83001 (07092702)	33.46086 (07092702)
3752034.4	30.27781 (07092702)	31.00024 (07092702)	31.12982 (07092702)	31.56999 (07092702)	31.94259 (07092702)
3751934.4	29.44233 (07092702)	29.82862 (07092702)	30.06291 (07092702)	29.91868 (07092702)	30.91929 (07122901)
3751834.4	28.40429 (07092702)	28.48947 (07092702)	28.39950 (07122901)	29.97639 (07122901)	31.15883 (07122901)
3751734.4	27.18680 (07092702)	27.56449 (07122901)	29.17095 (07122901)	30.47557 (07122901)	31.50276 (07122901)
3751634.4	26.78689 (07122901)	28.14618 (07122901)	29.37199 (07122901)	30.56696 (07122901)	31.40167 (07122901)
3751534.4	27.15795 (07122901)	28.39821 (07122901)	29.53611 (07122901)	30.01156 (07122901)	30.75057 (07122901)
3751434.4	27.67576 (07122901)	28.52694 (07122901)	29.40845 (07122901)	29.81911 (07122901)	29.53763 (07122901)
3751334.4	27.49886 (07122901)	28.19663 (07122901)	28.80801 (07122901)	28.24962 (07122901)	27.16873 (07122901)
3751234.4	27.35742 (07122901)	27.85830 (07122901)	27.31706 (07122901)	25.70415 (07122901)	27.15891 (07062605)
3751134.4	26.96557 (07122901)	26.61354 (07122901)	25.47849 (07122901)	26.26424 (07062605)	26.61966 (06101207)
3751034.4	25.75371 (07122901)	24.49406 (07122901)	25.20600 (07062605)	24.50929 (06101207)	25.54983 (06101207)
3750934.4	23.49303 (06112404)	23.92327 (07062605)	24.00005 (07062605)	23.53328 (06101207)	23.98394 (07091523)

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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485051.71	485151.71	485251.71	485351.71	485451.71
3754634.4	62.45633 (07082705)	66.21385 (07082705)	69.04453 (07082705)	77.15075 (07082705)	93.76042 (07082705)
3754534.4	60.94171 (07082705)	65.40257 (07082705)	71.55563 (07082705)	78.59262 (07082705)	90.17182 (07082705)
3754434.4	56.58735 (07082705)	61.19744 (07082705)	66.90037 (07082705)	74.93186 (07082705)	93.95870 (07082705)
3754334.4	55.48365 (07121524)	58.61174 (07121524)	66.23396 (07121524)	73.80008 (07121524)	94.60342 (07121524)
3754234.4	54.52256 (07111902)	57.09182 (07121904)	61.33913 (07051105)	68.31762 (07051105)	82.57306 (07051105)
3754134.4	54.04636 (07111902)	56.80981 (07111902)	60.20000 (07111902)	64.15846 (07121904)	74.44429 (07121904)

3754034.4	54.61354 (07091305)	55.70464 (07091305)	60.17464 (07091305)	63.71961 (07111902)	72.69578 (07111902)
3753934.4	55.30988 (07091305)	57.08847 (07091305)	60.75654 (07091305)	65.15775 (07091305)	75.07640 (07091305)
3753834.4	56.22631 (07082005)	58.81287 (07082005)	61.40853 (07082005)	63.81440 (07091305)	74.81152 (07091305)
3753734.4	58.53740 (07082705)	60.15579 (07082705)	62.88710 (07082705)	66.85414 (07082705)	76.86552 (07082705)
3753634.4	65.14621 (07082705)	67.43391 (07082705)	70.24509 (07082705)	74.54291 (07082705)	84.47577 (07082705)
3753534.4	67.20252 (07082705)	70.68867 (07082705)	73.99401 (07082705)	80.91069 (07082705)	95.00521 (07082705)
3753434.4	60.09262 (07082705)	63.95070 (07082705)	68.38747 (07082705)	75.62376 (07082705)	88.11635 (07082705)
3753334.4	56.59385 (07121524)	59.53076 (07121524)	63.79102 (07121524)	70.20382 (07121524)	82.20946 (07121524)
3753234.4	60.70128 (07121524)	64.88789 (07121524)	68.49857 (07121524)	75.15745 (07121524)	86.45201 (07121524)
3753134.4	58.51821 (07121524)	62.04771 (07121524)	63.23719 (07121524)	67.08207 (07051105)	78.24328 (07051105)
3753034.4	53.43690 (07051105)	55.87871 (07051105)	57.05796 (07051105)	59.26877 (07051105)	62.14868 (07051105)
3752934.4	48.24430 (07051105)	49.62227 (07051105)	51.13605 (07051105)	52.45918 (07051105)	54.28179 (07051105)
3752834.4	44.95811 (07051105)	46.30856 (07051105)	48.40814 (07051105)	49.43049 (07051105)	51.64945 (07051105)
3752734.4	42.69786 (07121401)	43.66015 (07121401)	45.13114 (07121401)	46.63840 (07121401)	48.56209 (07121401)
3752634.4	39.52559 (07121401)	40.11335 (07121401)	40.66430 (07121401)	41.41488 (07092702)	43.99815 (07092702)
3752534.4	36.08246 (07092702)	37.68084 (07092702)	39.13317 (07092702)	41.21362 (07092702)	43.73110 (07092702)
3752434.4	35.43766 (07092702)	37.61483 (07092702)	38.74477 (07092702)	40.97979 (07092702)	42.80261 (07092702)
3752334.4	35.68335 (07092702)	37.13791 (07092702)	38.20670 (07092702)	39.37909 (07092702)	40.79479 (07122901)
3752234.4	34.34892 (07092702)	35.94160 (07092702)	36.13673 (07092702)	38.18610 (07122901)	41.05075 (07122901)
3752134.4	33.68406 (07092702)	33.94629 (07122901)	36.28673 (07122901)	38.64329 (07122901)	40.54751 (07122901)
3752034.4	32.22171 (07122901)	34.19511 (07122901)	36.14485 (07122901)	38.07786 (07122901)	38.31684 (07122901)
3751934.4	32.65867 (07122901)	34.42943 (07122901)	35.46596 (07122901)	35.64554 (07122901)	37.33580 (07122901)
3751834.4	32.76423 (07122901)	33.94209 (07122901)	33.69911 (07122901)	35.55094 (07122901)	34.32831 (07122901)
3751734.4	32.31817 (07122901)	32.44276 (07122901)	31.69060 (07122901)	32.80284 (07122901)	33.73101 (07091523)
3751634.4	31.12360 (07122901)	30.23321 (07122901)	31.15758 (07122901)	32.02131 (06101207)	32.41185 (07091523)
3751534.4	29.93522 (07122901)	29.63424 (07122901)	30.61575 (06101207)	29.95747 (07091523)	26.22176 (06092806)
3751434.4	28.19888 (07062605)	29.29549 (07062605)	28.59366 (07091523)	24.65478 (07091523)	21.66465 (06092806)
3751334.4	28.31312 (07062605)	28.04498 (07091523)	24.70905 (07091523)	21.31455 (06092806)	18.37346 (06092806)
3751234.4	27.64393 (06101207)	26.56784 (07091523)	22.41660 (07091523)	19.98047 (06092806)	17.46907 (06092806)
3751134.4	26.48138 (07091523)	25.67220 (07091523)	22.31174 (06092806)	20.36722 (06092806)	17.27105 (07103103)
3751034.4	25.30856 (07091523)	22.92462 (07091523)	20.32311 (06092806)	18.06647 (06092806)	16.29454 (07103104)
3750934.4	23.34395 (07091523)	20.68695 (06092806)	18.14141 (06092806)	15.84343 (07103103)	15.21597 (07103104)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.9	77.64102 (07082705)	83.76501 (07082705)	91.92876 (07082705)	103.31273 (07082705)
3753334.9	71.60381 (07121524)	78.94070 (07121524)	89.05482 (07121524)	105.57055 (07121524)
3753234.9	74.27512 (07121524)	80.90917 (07121524)	86.28232 (07121524)	97.65070 (07121524)
3753134.9	65.55952 (07051105)	70.08314 (07051105)	75.98414 (07051105)	86.41578 (07051105)
3753034.9	61.17186 (07051105)	65.87634 (07051105)	70.47087 (07051105)	81.73204 (07051105)
3752934.9	57.39671 (07051105)	61.22577 (07051105)	65.95526 (07051105)	76.95648 (07051105)
3752834.9	54.56356 (07051105)	57.77020 (07051105)	63.38000 (07121401)	74.08579 (07051105)
3752734.9	51.36871 (07121401)	54.33269 (07121401)	58.96109 (07121401)	68.21568 (07092702)
3752634.9	47.01197 (07092702)	51.08711 (07092702)	56.66606 (07092702)	66.27679 (07122901)
3752534.9	46.59512 (07092702)	49.01350 (07092702)	53.48876 (07122901)	62.36305 (07122901)
3752434.9	44.10502 (07092702)	47.56694 (07122901)	51.96389 (07122901)	64.22196 (07103104)
3752334.9	43.95723 (07122901)	46.81973 (07122901)	49.64080 (07122901)	67.33011 (07103104)
3752234.9	43.53026 (07122901)	43.97019 (07122901)	47.02900 (07122901)	64.61784 (07103104)
3752134.9	40.39273 (07122901)	42.31038 (07122901)	48.54643 (07103104)	64.01164 (07103104)
3752034.9	40.79755 (07122901)	40.81513 (06092806)	46.22702 (07103104)	52.65701 (07111806)
3751934.9	37.00183 (07122901)	38.50746 (06092806)	44.62487 (07103104)	44.04728 (07111806)
3751834.9	35.34069 (07091523)	36.40652 (06092806)	39.65980 (07103104)	34.76748 (06092624)
3751734.9	34.55483 (07091523)	35.20085 (07103104)	34.58143 (07103104)	26.35600 (07111806)
3751634.9	31.89074 (06092806)	30.22713 (07103104)	28.82993 (07103104)	23.60156 (07042506)
3751534.9	25.93146 (06092806)	25.41145 (07103104)	23.98929 (07111806)	21.85218 (07042506)
3751434.9	19.86279 (07103103)	21.13357 (07103104)	20.20922 (07111806)	20.13693 (06090501)
3751334.9	17.84064 (07103104)	18.76669 (07103104)	18.09788 (07111806)	18.46843 (06090501)
3751234.9	17.52337 (07103104)	17.10309 (07103104)	16.68145 (07111806)	16.94360 (07110604)
3751134.9	16.87539 (07103104)	16.09750 (07103104)	15.64708 (07111806)	15.97090 (05082524)
3751034.9	15.92283 (07103104)	15.12528 (07111806)	14.76142 (07111806)	15.13020 (07062101)
3750934.9	14.99689 (07103104)	14.37693 (07111806)	14.04908 (05100620)	14.38733 (07062101)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
485619.40	3753969.72	65.95853	(07111902)	485712.99	3753961.92	66.75433	(07111902)
487190.85	3754410.34	129.60224	(07062005)	487194.75	3754289.46	114.40515	(07111905)
487268.83	3754090.60	74.85493	(07111905)	487483.30	3754102.29	58.02709	(07062005)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 8TH HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03
3767938.3	4.28991 (07120320)	4.29560 (06022606)	4.32803 (07121502)	4.41489 (07030124)	4.50510 (06061602)
3766938.3	4.60502 (07120320)	4.44455 (07050824)	4.43710 (07110221)	4.42333 (06022606)	4.50067 (07020701)
3765938.3	4.72948 (07042103)	5.02051 (07050824)	4.75689 (07120320)	4.65635 (06112502)	4.66973 (07110221)
3764938.3	4.56698 (06092623)	5.09140 (07111104)	5.12987 (06122107)	4.87325 (07050824)	4.95892 (07120320)
3763938.3	4.41420 (06100404)	4.79259 (07122607)	4.60135 (07111104)	4.99397 (06031223)	5.06630 (07100605)
3762938.3	4.36804 (06111723)	4.77399 (05122802)	4.59235 (06121607)	4.59446 (07060804)	4.96353 (07042103)
3761938.3	4.54668 (07112002)	4.69978 (07100903)	4.75043 (06092104)	4.76332 (07092223)	5.20750 (05071704)
3760938.3	4.34979 (07122820)	4.49975 (06020108)	4.49986 (07060701)	5.07830 (07112002)	5.20322 (07100903)
3759938.3	4.32924 (07123006)	4.47150 (06111524)	4.84704 (07101323)	4.77567 (07120218)	5.09536 (07030923)
3758938.3	4.57764 (07010408)	4.52077 (06102824)	4.74984 (07112202)	5.03991 (07032205)	5.00160 (07030923)
3757938.3	4.73790 (07120201)	4.93592 (07091201)	5.18322 (06123106)	5.31085 (07121702)	5.45081 (06092905)
3756938.3	4.51798 (07100304)	4.78068 (07050403)	4.96724 (07121403)	5.23798 (07121702)	5.47207 (07042805)
3755938.3	4.50910 (07100304)	4.76798 (07100304)	4.93067 (06031402)	5.04202 (07042704)	5.44962 (07021924)
3754938.3	4.35047 (05110605)	4.51160 (05110605)	4.69374 (05110605)	4.97001 (07060102)	5.27500 (06121702)
3753938.3	4.31597 (05121707)	4.44947 (05121707)	4.61059 (05121707)	4.78013 (05121707)	5.06517 (05121707)
3752938.3	4.18895 (07120204)	4.34389 (05111205)	4.51095 (05111205)	4.74596 (05050805)	5.04840 (07120204)
3751938.3	4.08751 (07030706)	4.20385 (07031304)	4.59597 (07020805)	4.83669 (05042106)	5.16046 (06030522)
3750938.3	4.56787 (07012908)	4.71091 (07101904)	4.80622 (07101904)	4.84119 (07101904)	4.99871 (06030522)
3749938.3	4.36543 (06110204)	4.36968 (06110104)	4.65623 (07031205)	5.11004 (06110104)	5.22604 (07051903)
3748938.3	4.38967 (06030503)	4.33785 (05071403)	4.42045 (05071403)	4.71349 (07122602)	4.86475 (05092706)
3747938.3	4.29170 (07042503)	4.47507 (07111907)	4.49094 (06041304)	4.71734 (07011007)	4.97479 (06041304)
3746938.3	4.55441 (06041304)	4.76588 (06031404)	4.78800 (07091306)	4.72712 (07030805)	4.87598 (05010205)
3745938.3	4.46561 (06121106)	4.49407 (07101306)	4.53833 (07102801)	4.65872 (06011124)	4.69000 (07110205)
3744938.3	4.30722 (06011124)	4.45872 (07010305)	4.55881 (07010305)	4.55969 (06121923)	4.67763 (06121923)
3743938.3	4.17737 (07010305)	4.26878 (05043001)	4.32264 (07121406)	4.51113 (07121406)	4.63906 (05012022)
3742938.3	4.19491 (07121406)	4.28358 (07121406)	4.51908 (07012901)	4.79359 (06092324)	4.91016 (05052204)
3741938.3	4.33289 (07011924)	5.24340 (07072603)	5.00599 (07072603)	4.92720 (06090302)	5.04667 (05010124)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** CO - LST Assessment (No Refrigeration) *** 08:16:54
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 8TH HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 466553.03	467553.03	468553.03	469553.03	470553.03
3767938.3	4.50170 (07101206)	4.96477 (07053005)	4.92592 (06100207)	5.01364 (06100207)	4.96904 (07121707)
3766938.3	4.59422 (06061602)	4.62456 (06092921)	5.29392 (07122824)	5.07968 (07053005)	5.29683 (06031706)
3765938.3	4.60719 (07121502)	4.78247 (07030124)	5.35604 (06061602)	5.05462 (07120808)	5.58571 (07102721)
3764938.3	4.98051 (05091701)	4.85760 (07110221)	4.99025 (07121502)	5.11732 (07031202)	5.33054 (06092921)
3763938.3	5.15205 (07060702)	5.22931 (07120320)	5.36904 (06112502)	5.30204 (06022606)	5.50952 (07020701)
3762938.3	5.21348 (06101106)	5.43143 (06101106)	5.56860 (07060702)	5.79857 (07120320)	5.94847 (07120320)
3761938.3	4.98544 (07060804)	5.20267 (07121804)	5.60794 (07111104)	6.05794 (06101106)	6.62767 (07072405)
3760938.3	5.27010 (07112001)	5.56841 (07092223)	5.74894 (07091801)	5.72899 (07121701)	6.52424 (07092223)
3759938.3	5.13796 (07101722)	5.62222 (07060701)	5.92031 (07100903)	6.09534 (05122802)	6.56729 (06102403)
3758938.3	5.19737 (06121103)	5.42759 (07101323)	5.65917 (07122820)	5.99153 (06020108)	6.52850 (07060701)
3757938.3	5.53934 (07010408)	5.42183 (06102824)	5.86606 (07091201)	6.30128 (07081224)	6.64017 (07101722)
3756938.3	5.79931 (07042805)	6.01269 (07082005)	6.37746 (06123106)	6.62212 (07121702)	7.14597 (07011105)
3755938.3	5.72023 (07082101)	5.95535 (07070203)	6.33391 (07100905)	6.31819 (07050403)	7.23317 (07121403)
3754938.3	5.66541 (06043002)	5.97924 (06031402)	6.36004 (07081323)	6.79436 (07032207)	7.26851 (07032207)
3753938.3	5.38410 (06043002)	5.72806 (06043002)	6.25373 (06043002)	6.93481 (05090306)	7.05314 (07081323)
3752938.3	5.42915 (07120204)	5.82465 (07120204)	6.19465 (07120204)	6.57495 (07120204)	7.07915 (07120204)
3751938.3	5.50743 (05050805)	5.94836 (06030522)	6.32830 (06030522)	6.64200 (07111103)	7.38888 (06030522)
3750938.3	5.33138 (07100602)	5.75714 (07100602)	5.97359 (06110204)	6.22843 (06110204)	8.61277 (07100123)
3749938.3	5.27531 (07122602)	5.58831 (07103105)	5.84022 (07122602)	6.29575 (05071403)	8.22126 (05032406)
3748938.3	5.17663 (06100505)	5.58114 (06041304)	7.54146 (07111907)	6.93856 (07011007)	8.11243 (05112824)
3747938.3	6.87793 (07011007)	6.90700 (06120523)	7.02481 (07012401)	6.36968 (05010205)	7.13901 (05100403)
3746938.3	5.07252 (07120823)	5.29632 (07120823)	5.45344 (06011124)	5.70844 (06112523)	7.23948 (06121923)
3745938.3	4.91554 (05043001)	5.08314 (06121923)	5.48395 (07100902)	6.14210 (07121406)	6.81034 (07111402)
3744938.3	4.87208 (07121406)	6.08584 (07121406)	5.59474 (05012022)	6.27031 (06041224)	5.85825 (07110404)
3743938.3	4.73577 (05052204)	4.89294 (07072603)	4.83549 (06090402)	5.16907 (07041904)	5.36218 (07081405)
3742938.3	5.09811 (07110404)	4.85187 (06010301)	5.63515 (07020706)	5.91845 (07032003)	5.91893 (07051406)
3741938.3	5.32556 (07012008)	5.36886 (07082004)	5.06314 (06101907)	5.66910 (07012904)	5.81218 (07012708)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** CO - LST Assessment (No Refrigeration) *** 08:16:54
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 8TH HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 471553.03	472553.03	473553.03	474553.03	475553.03

3767938.3	5.07041 (05111101)	5.23236 (07121807)	5.12134 (06101104)	5.35956 (06110122)	5.16240 (05030303)
3766938.3	5.27351 (07110222)	5.54183 (07062904)	5.57637 (05082806)	5.66219 (06101104)	5.99870 (07112023)
3765938.3	5.76097 (07120808)	6.09577 (07041105)	5.86846 (07121707)	6.13508 (05082806)	6.32888 (06101104)
3764938.3	5.84888 (07122824)	8.03362 (07102721)	6.60361 (06100207)	6.36457 (07121707)	6.76641 (07062904)
3763938.3	5.82984 (06092921)	6.47656 (07120808)	7.67415 (07102721)	6.89899 (07110222)	7.01894 (05111101)
3762938.3	6.00399 (07022601)	6.18596 (07030124)	6.67284 (07091603)	7.99917 (07122824)	9.40087 (07053005)
3761938.3	9.78855 (05091701)	10.05121 (06110723)	7.01405 (06052903)	9.97862 (07111121)	7.77786 (07011708)
3760938.3	7.43796 (07111104)	10.57696 (06031223)	10.45874 (07050824)	11.45893 (07092502)	10.74717 (07102620)
3759938.3	6.81905 (06100604)	9.55552 (07110402)	7.83918 (07092223)	12.40950 (06031223)	12.84033 (05101903)
3758938.3	7.21549 (07100903)	9.13806 (07122806)	7.76111 (06100404)	12.13738 (05122802)	13.09154 (06030405)
3757938.3	7.10305 (07102901)	9.26670 (06020108)	7.89856 (07030923)	8.63483 (07091801)	13.88329 (06090404)
3756938.3	7.75804 (07112202)	7.93331 (07112202)	10.27541 (06111524)	10.66156 (07031604)	13.73264 (07101323)
3755938.3	7.93699 (07100905)	8.11446 (07042805)	9.26691 (07042704)	11.89914 (06092905)	12.41753 (07010408)
3754938.3	7.70504 (07032207)	7.89627 (07111602)	8.46917 (07042704)	9.19790 (07100304)	10.30556 (07060102)
3753938.3	7.06875 (07081323)	7.57965 (06121702)	8.07855 (07093001)	8.61031 (06121702)	9.46438 (06043002)
3752938.3	7.18770 (07120204)	7.18482 (05121707)	7.50106 (07120204)	7.96277 (07120204)	8.49318 (07120204)
3751938.3	9.88413 (07111103)	8.01647 (06030522)	7.64220 (06030522)	7.81886 (06030522)	8.22553 (07111103)
3750938.3	9.08011 (07012908)	8.60589 (07012908)	7.11162 (05071403)	7.35551 (05100702)	7.81603 (05100702)
3749938.3	8.37148 (07120123)	8.64431 (07111907)	6.81249 (06041304)	7.31522 (07042402)	7.46375 (05010205)
3748938.3	8.21500 (06120523)	8.18054 (07030805)	6.95907 (05030406)	6.81745 (07110205)	6.96782 (05021405)
3747938.3	7.52837 (06121108)	7.82221 (06040206)	7.83362 (07100302)	6.53300 (07041904)	6.79831 (06122103)
3746938.3	6.73552 (07100902)	6.92362 (07091423)	7.91978 (05052204)	7.84850 (07110404)	6.55425 (07081405)
3745938.3	6.55518 (05052204)	6.57697 (07110404)	7.11402 (07041904)	7.69670 (07031506)	6.23972 (07041906)
3744938.3	5.71488 (05010501)	6.02314 (07031506)	6.44006 (07032003)	7.31431 (07102720)	6.03462 (05121124)
3743938.3	5.58636 (05010501)	5.68245 (06100306)	6.15819 (07102720)	6.33058 (05031706)	5.73514 (05031706)
3742938.3	6.23512 (07012904)	6.46899 (07031506)	6.12960 (05051006)	6.06762 (05031706)	5.76868 (07041022)
3741938.3	5.83240 (07121504)	6.02928 (07020801)	6.08446 (06111801)	6.38208 (06090105)	6.66821 (07120106)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 8TH HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 476553.03	477553.03	478553.03	479553.03	480553.03
3767938.3	5.45289 (07030724)	5.48620 (07041024)	5.45639 (07102524)	5.61370 (07101902)	5.55628 (07052502)
3766938.3	5.56593 (07020508)	5.75260 (07030724)	5.77475 (05111003)	5.78904 (06092904)	5.96110 (07110423)
3765938.3	6.66669 (07112023)	6.39196 (07121722)	6.58075 (07062203)	6.42271 (07051302)	6.26516 (07090903)
3764938.3	7.34036 (05082806)	8.22629 (07112023)	7.29200 (07030724)	7.07036 (07030601)	6.76367 (07042406)
3763938.3	7.66907 (07121807)	9.17276 (06092722)	8.31658 (07112023)	8.95700 (06110323)	7.43364 (06080503)
3762938.3	7.50937 (07121707)	8.44861 (07062904)	9.52477 (05082806)	8.76027 (07102504)	9.30624 (07040605)
3761938.3	9.10969 (07102721)	10.70534 (07101502)	11.11962 (07101405)	9.86119 (07041105)	8.47585 (07022107)
3760938.3	7.32735 (07111121)	7.64243 (06100403)	11.43822 (06110205)	11.88516 (07041105)	8.00908 (07101207)
3759938.3	13.21894 (05031707)	8.57574 (06111804)	12.69350 (07111121)	9.74387 (06091824)	10.26566 (07101405)
3758938.3	14.27099 (07111104)	15.10291 (07060702)	14.88899 (05031707)	9.65677 (06112502)	9.60197 (07011708)
3757938.3	13.40827 (07091801)	15.74685 (07110402)	17.16989 (07121407)	15.40659 (07100605)	12.38633 (06092623)
3756938.3	13.54048 (06020108)	14.21182 (07100903)	17.79891 (07122806)	19.12142 (06100404)	19.71146 (06092623)
3755938.3	11.97257 (07112202)	13.63049 (07011105)	15.37553 (07032205)	19.09772 (07032205)	21.30997 (07112002)
3754938.3	11.30654 (06123104)	12.47819 (07100905)	13.78068 (07082005)	16.84575 (06101007)	21.64194 (07112202)
3753938.3	10.47356 (07120208)	11.27979 (06043002)	12.33294 (07120208)	13.66647 (06102503)	16.55268 (07082101)
3752938.3	9.24567 (07101904)	10.09659 (07020805)	11.27035 (07020805)	12.54969 (07101904)	14.26436 (07101904)
3751938.3	8.72650 (07031205)	9.44038 (07042405)	10.38108 (05071403)	11.36296 (06100505)	12.64774 (05120106)
3750938.3	8.29361 (05010205)	8.76929 (07030802)	9.74930 (06111704)	10.54869 (07030802)	11.54148 (07030805)
3749938.3	7.90045 (05030406)	8.42450 (07042402)	8.82743 (05030406)	9.67612 (06122524)	10.36099 (05062024)
3748938.3	7.28105 (07100902)	7.84134 (07091806)	8.19797 (05062024)	8.76589 (06013005)	9.51183 (07082904)
3747938.3	7.02559 (06122103)	7.36605 (05010501)	7.70129 (07041906)	8.15211 (07122006)	8.64606 (06092804)
3746938.3	6.66456 (05062024)	7.06916 (07012708)	7.10992 (07122006)	7.53580 (06111801)	8.06171 (07122902)
3745938.3	6.47481 (05121124)	6.39408 (06091723)	6.82260 (07101821)	7.19163 (07122902)	7.28613 (07092701)
3744938.3	5.99639 (07041022)	6.32382 (07041022)	6.62034 (06100803)	6.63021 (07121907)	6.72453 (07122901)
3743938.3	5.94184 (06111803)	6.21320 (06100803)	6.12407 (07121907)	6.18625 (05072205)	6.35916 (05072205)
3742938.3	5.97316 (06100803)	5.79019 (06080804)	5.73888 (07121907)	5.89553 (06031605)	5.99696 (07092703)
3741938.3	5.75688 (06090105)	5.54106 (06110103)	5.49757 (06092506)	5.52062 (07091523)	5.59947 (07102805)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 8TH HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 481553.03	482553.03	483553.03	484553.03	485553.03
3767938.3	5.60003 (07090324)	5.59051 (07080802)	5.82432 (06090924)	5.87842 (06090924)	6.04538 (07112307)
3766938.3	5.94381 (07120606)	6.04343 (07120606)	6.09699 (07080802)	6.24739 (06040905)	6.55582 (07011103)
3765938.3	6.48670 (07090903)	6.45917 (05090605)	6.55813 (07070424)	7.01569 (06052403)	7.85478 (06102424)
3764938.3	6.65195 (07090406)	6.83442 (05120202)	7.20943 (06112202)	8.46850 (06092223)	8.81303 (07091805)
3763938.3	7.47087 (07111007)	7.29737 (07090903)	7.40691 (07120606)	8.64654 (07030903)	9.11765 (07011103)
3762938.3	8.58636 (07111007)	8.58806 (07072706)	8.53856 (07070424)	8.08748 (07021804)	10.40795 (06090205)
3761938.3	10.83102 (07091206)	10.44243 (07031523)	10.54562 (05120202)	9.19563 (07120606)	9.99176 (07092105)
3760938.3	7.53933 (07022107)	10.02523 (07040605)	10.64349 (07102602)	11.78808 (06030204)	11.85057 (07021804)
3759938.3	7.86936 (07101502)	7.81789 (06112421)	9.10285 (07101902)	11.69637 (07120606)	14.15252 (05012608)
3758938.3	12.55429 (07120808)	10.55913 (06123102)	10.20893 (07090104)	12.41585 (07111007)	13.07145 (07092705)
3757938.3	12.87693 (07092104)	16.85909 (06100403)	14.92768 (06100403)	16.82764 (07090104)	13.88677 (07120606)

3756938.3	19.84305 (06122107)	19.97390 (06120907)	24.20929 (07092104)	22.10887 (07120808)	21.67620 (07062203)
3755938.3	24.21139 (07122820)	28.48177 (05122802)	32.44845 (06100604)	35.36777 (07101920)	35.04866 (07110606)
3754938.3	23.70021 (07032205)	28.52552 (07011105)	34.17358 (07011105)	44.76785 (07091801)	74.00416 (07100903)
3753938.3	21.23814 (07021924)	27.33368 (06101007)	34.55980 (06092905)	45.84212 (07042704)	59.27816 (06092405)
3752938.3	16.36109 (07101904)	19.11602 (07101904)	22.91758 (07103105)	30.09321 (07020805)	44.67881 (07091306)
3751938.3	14.31187 (07081803)	16.62856 (07103105)	18.99279 (07030805)	23.29092 (06100306)	34.57157 (07062103)
3750938.3	12.66502 (07100302)	14.14106 (07041904)	16.22813 (07040103)	21.98099 (07091403)	12.92428 (07091202)
3749938.3	11.48880 (06122522)	15.02889 (06042001)	16.69577 (07121907)	18.43859 (05102906)	17.08810 (06092624)
3748938.3	12.62908 (06111801)	10.19789 (06090103)	14.85891 (06112605)	13.82986 (07091523)	13.51728 (07103103)
3747938.3	10.10299 (06090105)	10.99804 (06112404)	10.71505 (07092703)	10.92149 (07082204)	10.93108 (07091202)
3746938.3	8.37635 (05010220)	8.69004 (06092506)	9.20933 (07100301)	9.45923 (06092806)	9.63462 (05102823)
3745938.3	7.49507 (06031605)	7.80011 (07022602)	8.15632 (06102507)	8.53500 (07100524)	10.41064 (06101103)
3744938.3	6.92216 (06112605)	7.30250 (07082204)	7.58796 (07111806)	7.86500 (07100524)	7.84184 (07092102)
3743938.3	6.39297 (07083106)	6.68294 (05091204)	8.13655 (07060705)	7.20332 (05041204)	7.20084 (07091202)
3742938.3	6.20350 (07102805)	6.35772 (06110922)	6.73945 (07060705)	6.67210 (05041204)	6.50095 (07100201)
3741938.3	5.87163 (05092605)	6.04656 (06091222)	6.48907 (07060705)	6.32752 (05041204)	6.25016 (07100201)

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 8TH HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 486553.03	487553.03	488553.03	489553.03	490553.03
3767938.3	6.25026 (05102904)	6.46304 (06090523)	6.98873 (07071804)	6.85399 (06032222)	6.64681 (07071206)
3766938.3	7.16588 (07091724)	7.58150 (05043023)	7.23082 (06112705)	6.81335 (05090904)	6.17872 (07122821)
3765938.3	8.06784 (07091724)	7.90309 (05043023)	7.52045 (07052902)	7.05214 (07083101)	7.47752 (07122821)
3764938.3	8.54620 (07090105)	8.02774 (05043023)	8.12429 (07081606)	8.22387 (07100922)	8.24978 (07081905)
3763938.3	8.63315 (06090605)	7.87330 (07103106)	8.55250 (06091202)	8.82777 (06091104)	9.18778 (07110705)
3762938.3	10.54649 (06111706)	9.95865 (07042501)	10.31553 (07061005)	10.27924 (06101124)	9.42351 (06091802)
3761938.3	11.70255 (07022023)	11.08309 (07051803)	9.54338 (07093023)	9.77949 (07062104)	8.57580 (06091604)
3760938.3	10.67951 (05091505)	12.42017 (07111803)	12.09727 (07090702)	10.34221 (07110705)	10.04004 (07100907)
3759938.3	15.27677 (07120803)	14.80291 (05030304)	15.00675 (07100922)	13.98102 (07100907)	12.41566 (07090724)
3758938.3	11.48579 (07092024)	14.43376 (07071403)	11.60651 (07062104)	12.88023 (07100205)	12.69155 (07051206)
3757938.3	14.65628 (06102424)	13.69430 (07060905)	11.92506 (07100907)	10.98961 (07040202)	11.57322 (07070204)
3756938.3	24.82092 (07030903)	20.85930 (06101124)	14.67742 (07061403)	12.84526 (07040202)	13.67429 (07092506)
3755938.3	38.84680 (07120606)	35.94762 (07120122)	25.23574 (07070204)	19.35977 (07012104)	16.37692 (07061205)
3754938.3	77.16523 (06120907)	60.09396 (07040202)	60.02822 (07070204)	31.37901 (07100906)	22.84399 (06101102)
3753938.3	55.94900 (06092104)	47.59562 (07091505)	47.55584 (07012907)	63.43967 (07051304)	36.44283 (07082902)
3752938.3	52.15851 (06100505)	50.37543 (07060803)	62.24090 (06090502)	55.91665 (06123024)	64.09012 (07031704)
3751938.3	19.43388 (05041204)	33.04802 (06092906)	26.63798 (07020104)	25.03063 (07110602)	29.43435 (06090502)
3750938.3	14.90238 (06093003)	24.36833 (07012803)	18.63879 (06092903)	18.29035 (06111724)	18.24079 (07091204)
3749938.3	18.89553 (07010308)	16.62334 (07091006)	14.78000 (06100103)	14.74088 (07091005)	14.47710 (06111724)
3748938.3	13.04368 (07091006)	15.46176 (06112402)	12.64093 (06102502)	12.45677 (07090705)	12.42557 (06100524)
3747938.3	11.19415 (07091202)	13.54812 (06053001)	10.84126 (07070303)	10.91404 (07090805)	10.89442 (07040206)
3746938.3	11.44346 (07100406)	9.82275 (06110207)	9.35584 (06102502)	10.09664 (06100103)	9.57482 (07081704)
3745938.3	9.73589 (06090501)	8.59201 (06110207)	8.43931 (07020205)	8.75358 (06083103)	8.79724 (07111804)
3744938.3	7.76830 (06082905)	7.80609 (07110605)	7.75384 (07082105)	7.96985 (06092906)	8.04896 (07112303)
3743938.3	7.01018 (06082905)	7.23327 (07110605)	7.21327 (07082105)	7.31525 (06091903)	7.51922 (07031522)
3742938.3	6.54700 (05062305)	6.73010 (07110605)	6.72042 (06101205)	6.89918 (07102719)	7.07847 (07102603)
3741938.3	6.17855 (05062305)	6.36940 (07110605)	6.35789 (06101205)	6.47692 (06100702)	6.76017 (06102502)

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 8TH HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 491553.03	492553.03	493553.03	494553.03	495553.03
3767938.3	5.77333 (06101124)	4.99695 (07082706)	3.48588 (05090606)	4.56231 (06110201)	4.72701 (07111001)
3766938.3	6.07419 (07092503)	5.37264 (05091203)	5.45222 (06092705)	5.51042 (07100205)	4.89589 (06090405)
3765938.3	7.44307 (07110705)	6.43832 (05090606)	6.17499 (06101604)	5.48816 (07061403)	4.96621 (06123121)
3764938.3	7.74823 (07122908)	7.31001 (06060204)	6.22381 (07111001)	5.56627 (06100924)	5.22159 (07052406)
3763938.3	7.67303 (05090606)	7.60214 (05082206)	6.75268 (06090405)	5.85891 (07100405)	5.53323 (07060724)
3762938.3	8.72960 (06060204)	7.52029 (05082803)	6.75386 (06042904)	6.19568 (07092601)	6.43911 (07122408)
3761938.3	8.40181 (07111001)	7.69950 (07072505)	6.83076 (07090303)	7.14534 (07122408)	6.67554 (07020201)
3760938.3	8.51820 (06090405)	7.63772 (07051106)	8.50343 (07122408)	7.88741 (06100802)	7.10972 (07092124)
3759938.3	10.54219 (06092923)	9.71998 (07122408)	9.32566 (06100802)	8.43467 (07070204)	8.49089 (07110702)
3758938.3	11.35492 (07110701)	11.86041 (07110702)	10.57944 (07012104)	9.99870 (06103022)	8.91010 (07120207)
3757938.3	10.66133 (07052004)	10.96944 (07110702)	12.10412 (07103124)	10.29779 (06101206)	8.92881 (07061205)
3756938.3	12.15990 (07061205)	9.78240 (07120207)	11.10303 (07061205)	10.47354 (07083104)	8.30567 (06110107)
3755938.3	11.56461 (07061205)	11.90007 (07111901)	9.30170 (07092602)	9.40806 (07092602)	10.04834 (07082022)
3754938.3	18.28630 (07051304)	14.60470 (06090606)	15.06741 (06090606)	13.20942 (07090706)	10.93598 (07082806)
3753938.3	26.08098 (07071224)	24.46793 (07031503)	20.23664 (07091802)	18.92479 (07100601)	14.53412 (07100601)
3752938.3	51.09343 (07122924)	38.45259 (06041203)	28.29828 (06110921)	23.36137 (07101322)	18.53341 (07082006)
3751938.3	36.05793 (07072002)	32.58914 (07081205)	29.76925 (05062205)	24.92932 (06030107)	20.35744 (06082604)
3750938.3	20.07697 (07091406)	21.68398 (07042324)	24.28685 (07052001)	23.35698 (07112103)	21.37584 (05080501)
3749938.3	14.81099 (06091006)	15.88767 (07102604)	16.39742 (07042324)	16.04841 (06123101)	18.61379 (07101122)
3748938.3	12.30180 (06111724)	12.61229 (06111724)	12.80530 (07091406)	12.76063 (07082605)	16.58380 (06090502)
3747938.3	10.84726 (07101324)	10.78580 (06111724)	10.75219 (07100306)	10.82044 (07091406)	10.86432 (07091406)
3746938.3	9.57639 (06092903)	9.54086 (06121606)	9.66409 (07020104)	9.44482 (07082903)	9.47544 (07081202)
3745938.3	8.77520 (07121908)	8.75911 (07042322)	8.64925 (07121803)	8.72351 (07020104)	8.48104 (05111102)

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3744938.3 |      7.83345 (05092603)      7.95694 (07040206)      7.86985 (07072206)      7.99986 (07121803)      8.02114 (07052306)
3743938.3 |      7.49235 (07111804)      7.63625 (07040206)      7.41522 (07101324)      7.25514 (05091124)      7.50307 (06112422)
3742938.3 |      7.11494 (07090705)      8.37305 (06040205)      6.74875 (07081804)      7.52569 (07081804)      6.86011 (07100303)
3741938.3 |      7.95208 (07100223)      7.37944 (07040405)      6.74788 (07121908)      6.21109 (07090805)      6.94339 (07072206)
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                    *** CO - LST Assessment (No Refrigeration)                                  ***        08:16:54
                                                                                                                           PAGE  69
 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                    FASTALL

                          *** THE   8TH HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                              INCLUDING SOURCE(S):     PHASE1      , L0112381    , L0112382    , L0112383    , L0112384    ,
                L0112385    , L0112386    , L0112387    , L0112388    , L0112389    , L0112390    , L0112391    , L0112392    ,
                L0112393    , L0112394    , L0112395    , L0112396    , L0111700    , L0111701    , L0111702    , L0111703    ,
                L0111704    , L0111705    , L0111706    , L0111707    , L0111708    , L0111709    , L0111710    ,  . . .      ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                         ** CONC OF CO       IN MICROGRAMS/M**3                          **

 Y-COORD  |                                                  X-COORD (METERS)
 (METERS) |      496553.03               497553.03               498553.03               499553.03               500553.03
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

3767938.3 |      4.26787 (06092524)      4.14965 (05082503)      3.64400 (07090303)      3.18338 (07101103)      2.70071 (07040904)
3766938.3 |      4.49575 (05082503)      4.29607 (06102024)      3.61136 (05090104)      2.89360 (05051121)      2.76679 (07080606)
3765938.3 |      4.63689 (07100405)      4.50069 (07110701)      3.46537 (07122001)      2.47674 (05050222)      2.64082 (05083101)
3764938.3 |      4.92280 (07110701)      5.24184 (07122408)      4.16355 (07110823)      3.40283 (05080606)      3.33284 (07070504)
3763938.3 |      5.86380 (07122408)      5.51387 (06100502)      5.25201 (07110702)      4.79597 (07070204)      4.15802 (07060802)
3762938.3 |      6.04714 (07042502)      5.74592 (07052004)      5.36656 (07060802)      4.44039 (07090202)      3.69149 (07082803)
3761938.3 |      6.29646 (07051702)      6.01141 (07060802)      5.93929 (07110702)      4.58916 (07090305)      2.72430 (06091021)
3760938.3 |      6.55771 (07060802)      6.41539 (07090305)      6.25955 (07071305)      4.74772 (07070202)      4.00377 (07072806)
3759938.3 |      7.93400 (07070124)      6.65907 (07063005)      6.64557 (06101206)      5.88692 (07122005)      5.15646 (07122002)
3758938.3 |      8.77200 (06101206)      7.54245 (07061205)      6.12939 (07121808)      5.87874 (06090106)      5.17739 (07041705)
3757938.3 |      7.92434 (07092602)      7.05331 (06090106)      6.48850 (07111720)      6.10993 (07083104)      5.57866 (07082821)
3756938.3 |      7.77607 (07083104)      7.19634 (07111901)      6.68874 (06062722)      6.26626 (06082705)      6.26022 (06082705)
3755938.3 |      9.63560 (06092603)      9.15312 (06090606)      8.32382 (07082806)      8.01404 (06092304)      7.73651 (06092304)
3754938.3 |     10.75468 (07071224)      9.90656 (07071224)      9.43276 (06090306)      8.45921 (07051304)      8.24982 (07091802)
3753938.3 |     10.87500 (07022102)     10.09259 (07042504)      9.29545 (06112603)      8.64197 (07120322)      7.70017 (06122518)
3752938.3 |     12.11973 (06123024)     11.63889 (07092406)      9.67836 (07032822)      8.87752 (07040404)      7.86711 (07040404)
3751938.3 |     14.70784 (07083105)     13.06202 (05062105)     11.92858 (07032524)      9.09366 (06092604)      8.17749 (07022406)
3750938.3 |     16.66235 (07101705)     15.15141 (05021301)     12.59969 (07091123)     10.05186 (07112707)      9.81367 (06082604)
3749938.3 |     17.10175 (06091003)     17.50720 (05081905)     15.29811 (07081205)     12.42148 (07092324)      9.82911 (05021301)
3748938.3 |     14.48920 (05052005)     16.62962 (07101122)     15.13888 (05081004)     12.70712 (07052824)     10.63121 (07020623)
3747938.3 |     13.49499 (06090502)     12.94779 (07102520)     14.47233 (07052001)     13.59653 (07092922)     11.70383 (05081004)
3746938.3 |      9.58238 (05082901)      9.70968 (06123101)     11.24445 (07050923)     10.85913 (07080306)     11.23847 (06112322)
3745938.3 |      8.52759 (07081202)      8.56813 (07040505)      8.63719 (07062604)     11.49931 (07071402)     11.10368 (05071903)
3744938.3 |      7.73256 (06112205)      7.58892 (06030207)      7.68620 (05082901)      7.78430 (07082605)      8.17372 (07092304)
3743938.3 |      7.39193 (07052306)      7.19489 (05111102)      7.06191 (06030207)      7.11130 (05090303)      7.20173 (05082901)
3742938.3 |      7.11018 (06121606)      6.94657 (07081604)      6.74705 (05111102)      6.56601 (07081202)      6.57907 (06091801)
3741938.3 |      6.50775 (07072202)      6.73490 (06111724)      6.55654 (07040122)      6.37649 (05111102)      6.14326 (07081003)
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                    *** CO - LST Assessment (No Refrigeration)                                  ***        08:16:54
                                                                                                                           PAGE  70
 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                    FASTALL

                          *** THE   8TH HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                              INCLUDING SOURCE(S):     PHASE1      , L0112381    , L0112382    , L0112383    , L0112384    ,
                L0112385    , L0112386    , L0112387    , L0112388    , L0112389    , L0112390    , L0112391    , L0112392    ,
                L0112393    , L0112394    , L0112395    , L0112396    , L0111700    , L0111701    , L0111702    , L0111703    ,
                L0111704    , L0111705    , L0111706    , L0111707    , L0111708    , L0111709    , L0111710    ,  . . .      ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                         ** CONC OF CO       IN MICROGRAMS/M**3                          **

 Y-COORD  |                                                  X-COORD (METERS)
 (METERS) |      501553.03               502553.03               503553.03               504553.03               505553.03
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

3767938.3 |      2.27440 (05021606)      1.92955 (06101406)      1.59852 (05032003)      1.13967 (06040207)      0.97766 (07081807)
3766938.3 |      2.21720 (06062923)      1.04238 (07011709)      1.08875 (07081319)      1.08006 (07080821)      1.01351 (05030108)
3765938.3 |      2.31877 (07061105)      1.33039 (07062806)      1.16074 (07031519)      1.12134 (07072821)      1.36086 (07080321)
3764938.3 |      2.40503 (05070304)      1.91090 (07120819)      1.79911 (06052521)      1.74370 (07061320)      1.41122 (05032305)
3763938.3 |      3.15506 (07120602)      2.43354 (06080922)      2.26173 (05110719)      2.31690 (05051823)      1.94627 (05040801)
3762938.3 |      3.22524 (05070903)      2.96760 (07102321)      2.64865 (07122606)      2.43100 (06022421)      2.28366 (05102304)
3761938.3 |      3.41304 (06100503)      2.96267 (06102707)      3.18208 (06091601)      3.09005 (07042303)      2.65123 (05102707)
3760938.3 |      3.66624 (05091706)      3.94897 (07060204)      3.72507 (07060204)      3.54937 (06022604)      2.99270 (07101803)
3759938.3 |      5.16702 (07092602)      4.51351 (07041705)      4.35371 (05082006)      3.82244 (07031504)      3.40944 (06110107)
3758938.3 |      5.06274 (07082723)      4.97555 (07031504)      4.82957 (07092424)      4.60657 (07122007)      3.95624 (06062722)
3757938.3 |      5.53414 (07092424)      5.24846 (06082705)      5.30679 (06082705)      5.16018 (07022007)      5.03735 (07022007)
3756938.3 |      6.09693 (07082806)      6.18860 (07082806)      6.22466 (06092304)      6.37636 (06092304)      6.52175 (07071224)
3755938.3 |      7.56426 (06092304)      7.34488 (06092304)      7.11396 (06090306)      7.03686 (07031503)      6.73239 (07031503)
3754938.3 |      7.62410 (07091506)      7.41456 (07100601)      6.60670 (06090606)      6.23266 (07100601)      5.71202 (06090802)
3753938.3 |      7.27963 (07091506)      6.59245 (07091506)      6.40393 (06110324)      6.30757 (07063022)      6.23739 (05082804)
3752938.3 |      7.83091 (07041021)      7.38662 (07041021)      7.25227 (06110921)      7.06052 (06110921)      6.80861 (07041021)
3751938.3 |      8.57798 (06091101)      7.55748 (06091101)      7.17864 (07101322)      7.05049 (05101101)      7.11053 (07032822)
3750938.3 |      9.17876 (07092103)      8.78377 (05062105)      8.25820 (06092604)      8.24982 (07032524)      7.12895 (05062105)
3749938.3 |      9.04640 (07110818)      8.05340 (07091123)      8.48824 (07081005)      8.53977 (07101021)      7.86646 (07112707)
3748938.3 |      9.80540 (07101705)     10.24766 (07081205)      8.83576 (05021301)      8.46388 (07091123)      7.54684 (05100306)
3747938.3 |     10.23981 (05081905)      8.24022 (07020623)      9.56875 (07020524)      9.59003 (07101705)      9.72994 (07081205)
3746938.3 |     11.41349 (07102822)      9.96067 (05081004)      9.64264 (07112519)      9.78459 (05091506)      9.23729 (07052901)
3745938.3 |     10.84363 (07091505)     11.40890 (06112322)     10.16341 (07080803)      8.52696 (05081004)      7.16798 (07101801)
3744938.3 |      6.88659 (07050923)      8.05045 (07121522)      8.49394 (07101122)      5.27655 (07092922)      6.06549 (07080306)
3743938.3 |      8.73606 (07052402)      6.86741 (07092304)      4.49345 (05120302)      5.12345 (07062102)      4.19722 (07031806)
3742938.3 |      6.83623 (05090303)      8.58037 (05082901)      7.05282 (07071402)      4.07169 (05092105)      3.65828 (07101420)
3741938.3 |      6.23494 (06123005)      6.51871 (07040505)      6.43300 (07052402)      7.41927 (05100706)      4.49657 (07062602)
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                    *** CO - LST Assessment (No Refrigeration)                                  ***        08:16:54
                                                                                                                           PAGE  71
 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                    FASTALL

                          *** THE   8TH HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                              INCLUDING SOURCE(S):     PHASE1      , L0112381    , L0112382    , L0112383    , L0112384    ,
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L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71
3754634.4	43.23000 (07010408)	45.13651 (07010408)	46.04377 (06092405)	49.25919 (06092405)	52.73039 (07091201)
3754534.4	43.00854 (06092405)	44.73785 (06092405)	44.85633 (06092405)	46.83256 (06092405)	49.61232 (06092405)
3754434.4	42.59853 (06092405)	43.67431 (06092405)	44.76038 (06092405)	46.40131 (06123006)	49.63927 (07010408)
3754334.4	42.59336 (07010408)	43.67384 (07082705)	45.18604 (07010408)	46.80638 (07010408)	47.95967 (07121720)
3754234.4	43.24072 (07121720)	44.41133 (06092405)	45.52361 (06092405)	46.80441 (07010408)	48.72244 (07121524)
3754134.4	44.03516 (07091201)	45.00758 (07121720)	46.31402 (07121720)	47.37250 (07121720)	48.32161 (07121720)
3754034.4	44.24269 (07011105)	45.64593 (07011105)	46.80802 (07011105)	47.89637 (07011105)	49.26226 (07091201)
3753934.4	45.91005 (07121720)	46.36512 (07082705)	47.58066 (07121720)	48.87373 (07011105)	50.81172 (07111902)
3753834.4	46.44004 (07091305)	47.68907 (06101007)	48.29960 (07042704)	50.60555 (07042704)	50.89531 (07042704)
3753734.4	44.90142 (06123106)	46.59038 (07082005)	47.54993 (06093005)	49.61120 (07121702)	51.23045 (07091305)
3753634.4	43.04591 (07110523)	46.17187 (07100304)	43.74383 (06101007)	46.88032 (07060102)	48.88744 (06123106)
3753534.4	41.20832 (07082101)	41.00683 (07082101)	43.01250 (07082101)	47.69704 (07100304)	49.19283 (07100304)
3753434.4	37.34254 (07081323)	39.93441 (07081323)	42.73718 (07081323)	44.16527 (07081323)	47.09914 (07082101)
3753334.4	36.76720 (06043002)	38.35083 (06043002)	39.29301 (07081323)	41.17333 (07081323)	43.01638 (06090521)
3753234.4	34.76939 (07051101)	35.42509 (07051101)	37.20110 (07093001)	39.76042 (07093001)	40.19411 (07093001)
3753134.4	34.89038 (05121707)	34.98234 (05121707)	34.79710 (07020805)	35.35551 (06090521)	38.22694 (07020805)
3753034.4	31.85249 (06102022)	32.30811 (06102022)	34.12206 (06102022)	34.54056 (06102022)	36.30092 (06102022)
3752934.4	30.06288 (07020805)	31.03004 (07020805)	32.67836 (07020805)	33.36033 (06100505)	35.03784 (06100505)
3752834.4	29.38340 (07091306)	30.28879 (07042405)	31.40069 (07042405)	32.33065 (07042405)	33.35830 (07042405)
3752734.4	28.28554 (07081803)	29.17977 (07081803)	29.91341 (07081803)	31.37544 (07091806)	32.66628 (07091806)
3752634.4	27.69282 (07042402)	28.53701 (07020703)	29.68563 (07020703)	30.79023 (07020703)	31.87521 (07091306)
3752534.4	27.49983 (07020703)	28.19349 (07091306)	28.94231 (07091423)	30.29204 (07091423)	31.02396 (07103105)
3752434.4	26.74862 (07042402)	27.53322 (07030805)	28.15466 (06121106)	28.83451 (07030805)	29.44364 (06121106)
3752334.4	25.78814 (07030805)	26.35476 (06121106)	26.89210 (07031506)	27.89365 (07041904)	28.68421 (06122524)
3752234.4	24.65459 (07031506)	25.68832 (07031506)	26.39639 (07121408)	27.17800 (07041904)	27.94970 (07121408)
3752134.4	24.32791 (07121408)	25.18635 (07041904)	25.77437 (07091806)	26.39425 (07040103)	27.05483 (07041906)
3752034.4	23.91415 (07091806)	24.46974 (06083104)	24.87834 (07121408)	25.65045 (07041906)	26.54948 (07041906)
3751934.4	23.26700 (07121408)	23.77074 (07041906)	24.37427 (07051103)	25.03410 (07041906)	25.54205 (07102606)
3751834.4	22.60507 (07091423)	23.35558 (07051103)	23.80204 (07040103)	24.32762 (06100306)	24.79324 (06090105)
3751734.4	22.48479 (07041906)	22.74854 (07041906)	23.10495 (06100306)	23.67444 (06090105)	24.42448 (06101107)
3751634.4	21.78810 (07102606)	22.15798 (06100306)	22.59474 (06110103)	23.27520 (06101107)	24.35540 (06090103)
3751534.4	20.98861 (06100803)	21.72755 (06100803)	24.21692 (06100803)	24.61500 (06090105)	25.34260 (07062605)
3751434.4	21.20662 (07051103)	23.24670 (06100803)	24.41720 (07110324)	24.78091 (06090105)	25.27317 (06031602)
3751334.4	21.75194 (06090103)	22.94798 (07110324)	23.67140 (06090105)	24.37197 (06101107)	24.99505 (07110324)
3751234.4	22.11538 (07110324)	22.96673 (06090105)	23.36406 (06090103)	24.34488 (07092703)	24.70335 (05082905)
3751134.4	22.35354 (06090105)	22.29115 (06090103)	23.09957 (06123108)	23.64158 (06092506)	23.75030 (05082905)
3751034.4	21.70879 (06090103)	22.35903 (06031602)	23.00374 (05082905)	21.35718 (07022602)	22.26303 (07113019)
3750934.4	21.98593 (05072205)	22.15333 (06092506)	20.99497 (05082905)	19.90372 (07022602)	20.20111 (06092806)

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 8TH HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485051.71	485151.71	485251.71	485351.71	485451.71
3754634.4	53.91038 (07010408)	57.39024 (07121805)	61.79130 (07100903)	69.14560 (07100903)	84.53155 (07100404)
3754534.4	53.79916 (07042704)	56.00318 (07010408)	60.60813 (07010408)	67.93599 (07121805)	80.54791 (06123006)
3754434.4	51.18332 (07010408)	54.39855 (07010408)	59.00735 (06123006)	66.51440 (06123006)	83.16245 (06123006)
3754334.4	51.37715 (07051105)	54.55528 (07082005)	59.75399 (07082005)	65.87072 (07082005)	84.12199 (07082005)
3754234.4	51.34787 (07121524)	53.22277 (07121524)	57.25089 (07121524)	63.12287 (07121524)	76.43415 (07121524)
3754134.4	49.83757 (07121720)	52.38314 (07010408)	55.78544 (06092405)	58.69093 (07010408)	68.90538 (06123006)
3754034.4	51.27006 (07121720)	52.22956 (07121720)	56.46660 (06092405)	59.21299 (06092405)	67.74816 (06092405)
3753934.4	51.89148 (07011105)	53.54396 (07011105)	57.28883 (07121904)	61.43344 (06092405)	71.63571 (07010408)
3753834.4	53.11876 (06092905)	55.21209 (06092905)	57.93809 (07111902)	60.40135 (06092405)	70.83616 (07121720)
3753734.4	52.40502 (06092905)	57.57806 (06101007)	59.25518 (06092905)	62.63962 (06092905)	71.84340 (06092905)
3753634.4	51.64820 (06092905)	54.81700 (06092905)	58.46620 (07070203)	62.79424 (06092905)	71.07115 (07070203)
3753534.4	49.40820 (07100304)	51.34216 (07100304)	52.60809 (06101007)	58.83983 (06101007)	71.67045 (07060102)
3753434.4	48.78009 (07082101)	50.07946 (07111602)	51.34625 (07111602)	56.07020 (07111602)	64.84975 (07111602)
3753334.4	46.34704 (06090521)	47.08780 (07060102)	49.04792 (07060102)	54.56074 (07060102)	64.03798 (07060102)
3753234.4	41.29871 (07093001)	44.53410 (07093001)	46.70127 (07082705)	52.22120 (07093001)	61.66323 (07093001)
3753134.4	39.87156 (07051101)	43.39742 (06090521)	43.40385 (07012908)	47.09517 (07020805)	56.99198 (07070203)
3753034.4	37.78116 (07103105)	40.05802 (07103105)	41.38220 (07020805)	44.01307 (07012908)	48.38232 (07012908)
3752934.4	36.08124 (07012908)	37.66857 (07012908)	39.32172 (07012908)	40.68533 (07091306)	42.05122 (07091306)
3752834.4	34.46578 (07092702)	36.00961 (07091806)	37.94042 (07012908)	39.13705 (07091306)	41.13049 (07091306)
3752734.4	34.08323 (07091806)	35.15324 (07091306)	36.65149 (07091306)	38.18602 (07091306)	40.29006 (07091423)
3752634.4	33.34128 (07020703)	34.55721 (07091423)	36.05340 (07091423)	37.69220 (07103105)	40.04645 (07020703)
3752534.4	31.71369 (07103105)	32.80419 (06121106)	33.93922 (07121401)	35.49451 (06122524)	37.21052 (06122524)
3752434.4	30.19275 (07041904)	31.74785 (06122524)	32.68286 (07041904)	34.65045 (06083104)	36.14483 (07040103)
3752334.4	29.62300 (07041904)	30.76822 (06083104)	31.77525 (07102522)	33.16848 (07041906)	34.63497 (07102606)
3752234.4	28.26125 (07040103)	29.68419 (07041906)	30.65378 (07041906)	32.04816 (06100306)	33.66978 (07102606)
3752134.4	27.82795 (07051103)	28.76080 (07041906)	29.74014 (06110103)	31.11923 (07102606)	32.69684 (06090105)
3752034.4	26.91361 (07041906)	27.76629 (07031506)	28.95932 (06101107)	30.21581 (06090105)	34.00349 (06031602)
3751934.4	26.19203 (06123108)	27.23420 (06101107)	27.98517 (06090105)	29.71624 (07092702)	32.67129 (05082905)
3751834.4	25.71499 (06101107)	26.37237 (06090105)	28.11232 (06031602)	31.00867 (06031602)	32.02521 (07100301)
3751734.4	24.91860 (06083104)	25.78907 (06090103)	27.71464 (05072205)	29.97420 (07100301)	31.63637 (07092703)
3751634.4	24.00934 (06090105)	26.25309 (05072205)	28.41521 (06031602)	28.89490 (05082905)	29.36047 (07062605)
3751534.4	25.68792 (05072205)	27.08100 (06110103)	27.40494 (05082905)	26.51901 (05102906)	23.47892 (07100301)
3751434.4	26.50596 (07123004)	26.20308 (05082905)	25.47129 (07062103)	22.39583 (07102622)	19.20169 (07113019)
3751334.4	25.67682 (05082905)	24.46865 (06112605)	21.68832 (05102906)	18.70627 (07100301)	16.15719 (05091204)
3751234.4	24.56145 (07022602)	23.30031 (07062103)	20.39414 (07102622)	17.62815 (07113019)	15.85676 (07020105)
3751134.4	22.94932 (07092703)	22.86730 (07102622)	19.60298 (07100301)	18.00991 (07091523)	15.45158 (07111806)

3751034.4	22.02677 (07062103)	20.79632 (06101207)	17.63863 (07103103)	15.89714 (05102906)	14.55527 (07020105)
3750934.4	20.73078 (07102622)	18.03127 (07100301)	15.87626 (07101102)	14.32536 (07082204)	13.32879 (06092806)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** CO - LST Assessment (No Refrigeration) *** 08:16:54
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 8TH HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.9	53.11267 (07021924)	55.24826 (07010408)	60.10294 (07021924)	67.34828 (06093005)
3753334.9	52.45189 (07121401)	56.60319 (07060102)	63.17292 (07060102)	74.87635 (07111602)
3753234.9	49.82936 (07082705)	55.68165 (07093001)	59.48930 (06090521)	69.58441 (06090521)
3753134.9	46.78641 (07042405)	51.07213 (07042405)	57.20305 (07091605)	68.20359 (07070304)
3753034.9	46.08010 (07042405)	50.52164 (07042405)	55.11271 (07122901)	65.91650 (07091806)
3752934.9	44.57018 (07091306)	48.30779 (07091806)	54.13156 (07091806)	64.99114 (07091806)
3752834.9	43.95072 (07091806)	47.84989 (07091806)	53.70978 (07091806)	64.20749 (07091423)
3752734.9	43.30944 (07091423)	47.22546 (07091423)	52.87502 (07103105)	62.45464 (07020703)
3752634.9	42.15095 (07051105)	45.13858 (07121401)	48.99315 (07102522)	58.11892 (06123108)
3752534.9	39.91732 (07102522)	42.38832 (06100306)	46.46475 (06112404)	54.47758 (06112404)
3752434.9	38.08452 (07040103)	40.68226 (06112404)	44.82469 (06101207)	54.42452 (07062605)
3752334.9	36.83688 (06112404)	39.57067 (06101107)	44.09874 (06123108)	59.16138 (07100524)
3752234.9	35.78137 (06090105)	39.85220 (07062103)	43.75091 (07102622)	58.02595 (05041204)
3752134.9	36.14362 (07062103)	40.07027 (07113019)	44.51606 (06092806)	52.38626 (06090403)
3752034.9	35.90716 (06112404)	38.84095 (05102906)	42.54781 (07060705)	46.81354 (06092106)
3751934.9	34.48350 (07062103)	36.60391 (07020105)	39.12822 (07072605)	40.33855 (07091202)
3751834.9	33.11889 (07102622)	34.35770 (06101207)	33.86273 (06092106)	32.64320 (07042506)
3751734.9	31.97519 (07102622)	32.55206 (07091523)	29.46185 (07091202)	25.88896 (07102601)
3751634.9	29.43842 (07113019)	27.20828 (07082204)	24.98758 (07123001)	22.92137 (07103104)
3751534.9	23.61251 (07103104)	21.36054 (07020105)	20.36049 (07103103)	21.28580 (07100201)
3751434.9	18.08683 (07111806)	17.23212 (05102823)	17.83750 (07071303)	19.56486 (07111806)
3751334.9	16.05097 (07020105)	15.85313 (05102823)	16.72406 (07102624)	18.00291 (05021802)
3751234.9	15.16324 (07072605)	14.82644 (07103101)	15.86068 (05062124)	16.78174 (06112419)
3751134.9	14.13489 (07072605)	14.30389 (07042703)	15.11748 (06041301)	15.83745 (05102824)
3751034.9	13.11091 (06092106)	13.75170 (07092704)	14.43476 (07020322)	14.98066 (06112101)
3750934.9	12.86245 (06041101)	13.37801 (07102601)	13.81957 (07081702)	14.20426 (05042102)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** CO - LST Assessment (No Refrigeration) *** 08:16:54
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 8TH HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
485619.40	3753969.72	60.84302	(06092405)	485712.99	3753961.92	61.38837	(06092405)
487190.85	3754410.34	100.33491	(07092406)	487194.75	3754289.46	73.82622	(07091505)
487268.83	3754090.60	59.67160	(07071305)	487483.30	3754102.29	50.75749	(07122823)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** CO - LST Assessment (No Refrigeration) *** 08:16:54
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03
3767938.3	0.96974 (07121808)	0.99759 (07092508)	1.08204 (07092508)	1.09589 (07110608)	1.10639 (07110608)
3766938.3	1.08424 (07121808)	1.05165 (07121808)	1.03178 (07121808)	1.07004 (07092508)	1.11195 (07092508)
3765938.3	1.26100 (07042108)	1.24973 (07042108)	1.14831 (07121808)	1.12957 (07121808)	1.11710 (07121808)
3764938.3	1.21190 (06112008)	1.35913 (07042108)	1.37031 (07042108)	1.24162 (07042108)	1.23101 (07121808)
3763938.3	1.18022 (06112008)	1.35252 (06112008)	1.27843 (06112008)	1.33224 (07042108)	1.37106 (07042108)
3762938.3	1.10813 (07122808)	1.09981 (06112008)	1.21099 (06112008)	1.29640 (06112008)	1.36021 (06112008)
3761938.3	1.14359 (07112008)	1.13212 (07112008)	1.14594 (07122808)	1.18366 (07122808)	1.25848 (06112008)
3760938.3	0.99482 (05122808)	1.07447 (07112008)	1.17945 (07112008)	1.26429 (07112008)	1.25913 (07112008)
3759938.3	1.16617 (06020508)	1.10304 (06020508)	1.16874 (05122808)	1.15900 (05122808)	1.19802 (05122808)
3758938.3	1.34364 (06020508)	1.39191 (06020508)	1.42427 (06020508)	1.42589 (06020508)	1.39825 (06020508)
3757938.3	1.37270 (06123108)	1.34471 (06123108)	1.31825 (06020508)	1.45516 (06020508)	1.53946 (06020508)
3756938.3	1.55157 (06123108)	1.61527 (06123108)	1.67122 (06123108)	1.72259 (06123108)	1.76841 (06123108)
3755938.3	1.24325 (06123108)	1.34084 (06123108)	1.44434 (06123108)	1.55650 (06123108)	1.68197 (06123108)
3754938.3	1.29152 (06112108)	1.33982 (06112108)	1.39598 (06112108)	1.45889 (06112108)	1.52702 (06112108)
3753938.3	1.15401 (06112108)	1.20297 (06112108)	1.26181 (06112108)	1.32478 (06112108)	1.42362 (06112108)
3752938.3	0.99711 (07120208)	1.04004 (07012408)	1.11652 (07012408)	1.19706 (07012408)	1.30472 (07012408)
3751938.3	1.22306 (07012408)	1.28878 (07012408)	1.36255 (07012408)	1.45960 (07012408)	1.57604 (07012408)

3750938.3	1.33910 (07012408)	1.39166 (07012408)	1.45427 (07012408)	1.50678 (07012408)	1.55199 (07012408)
3749938.3	1.27259 (07033108)	1.30044 (07033108)	1.37228 (07033108)	1.44575 (07033108)	1.46966 (05031908)
3748938.3	1.25964 (05031908)	1.25823 (05031908)	1.35468 (05031908)	1.45689 (05031908)	1.53282 (05031908)
3747938.3	1.29305 (05031908)	1.31945 (05031908)	1.25141 (05031908)	1.25269 (05031908)	1.31864 (07012408)
3746938.3	1.15952 (07012408)	1.23174 (07012408)	1.23119 (07012408)	1.20813 (07030808)	1.47210 (05110908)
3745938.3	1.17367 (07030808)	1.32962 (05110908)	1.56089 (05110908)	1.78189 (05110908)	2.02250 (05110908)
3744938.3	1.55613 (05110908)	1.81028 (05110908)	2.01938 (05110908)	2.21556 (05110908)	2.41611 (05110908)
3743938.3	1.92488 (05110908)	2.08987 (05110908)	2.23706 (05110908)	2.34543 (05110908)	2.37680 (05110908)
3742938.3	2.11022 (05110908)	2.18177 (05110908)	2.22442 (05110908)	2.25170 (05110908)	2.11594 (05110908)
3741938.3	2.07400 (05110908)	2.01726 (05110908)	1.67811 (05110908)	1.44418 (05120824)	1.23619 (05120824)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** CO - LST Assessment (No Refrigeration) *** 08:16:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 466553.03	467553.03	468553.03	469553.03	470553.03
3767938.3	1.08071 (07091608)	1.28172 (07091608)	1.27068 (07091608)	1.17230 (06120908)	1.18816 (07020408)
3766938.3	1.14741 (07110608)	1.10278 (07110608)	1.38285 (07091608)	1.36281 (07091608)	1.26775 (06120908)
3765938.3	1.13233 (07092508)	1.17915 (07110608)	1.32966 (07110608)	1.23249 (07091608)	1.45271 (07091608)
3764938.3	1.21083 (07121808)	1.20540 (07121808)	1.24494 (07092508)	1.28666 (07110608)	1.29207 (07110608)
3763938.3	1.32485 (07121808)	1.33992 (07121808)	1.35288 (07121808)	1.37265 (07121808)	1.40712 (07121808)
3762938.3	1.38234 (07042108)	1.48262 (07042108)	1.48984 (07121808)	1.54135 (07121808)	1.55975 (07121808)
3761938.3	1.39191 (06112008)	1.49723 (06112008)	1.54433 (06112008)	1.64753 (07042108)	1.84017 (07121808)
3760938.3	1.28126 (07122808)	1.33663 (06112008)	1.52464 (06112008)	1.70341 (06112008)	1.88849 (06112008)
3759938.3	1.30890 (07112008)	1.40833 (07112008)	1.44092 (07112008)	1.48911 (07122808)	1.70143 (06112008)
3758938.3	1.34230 (06020508)	1.37058 (05122808)	1.44402 (05122808)	1.52342 (05122808)	1.65176 (07112008)
3757938.3	1.61413 (06020508)	1.69047 (06020508)	1.74553 (06020508)	1.76795 (06020508)	1.80322 (06020508)
3756938.3	1.81133 (06123108)	1.81172 (06123108)	1.76231 (06123108)	1.80375 (06020508)	2.07254 (06020508)
3755938.3	1.85608 (06123108)	2.00208 (06123108)	2.17667 (06123108)	2.22862 (06123108)	2.52308 (06123108)
3754938.3	1.65632 (06112108)	1.74129 (06112108)	1.84521 (06112108)	1.95141 (06112108)	2.05611 (06112108)
3753938.3	1.53380 (06112108)	1.63633 (06112108)	1.79070 (06112108)	2.02026 (06112108)	2.06046 (06112108)
3752938.3	1.44431 (07012408)	1.59601 (07012408)	1.74465 (07012408)	1.88575 (07012408)	2.03827 (07012408)
3751938.3	1.70308 (07012408)	1.83309 (07012408)	1.96894 (07012408)	2.10131 (07012408)	2.21759 (07012408)
3750938.3	1.66521 (07033108)	1.81111 (07033108)	1.88496 (07012408)	1.99551 (07012408)	2.55168 (07033108)
3749938.3	1.56109 (05031908)	1.69237 (05031908)	1.80700 (05031908)	1.93089 (05031908)	2.28365 (05031908)
3748938.3	1.57823 (05031908)	1.64758 (05031908)	1.85328 (05031908)	1.77543 (05031908)	1.80064 (07012408)
3747938.3	1.49226 (07012408)	1.56869 (07012408)	1.78617 (07030808)	1.88812 (05110908)	2.38253 (05110908)
3746938.3	1.80380 (05110908)	2.13644 (05110908)	2.48338 (05110908)	2.83380 (05110908)	3.64297 (05110908)
3745938.3	2.32978 (05110908)	2.62080 (05110908)	2.93416 (05110908)	3.34941 (05110908)	3.41503 (05110908)
3744938.3	2.59414 (05110908)	3.08509 (05110908)	2.87478 (05110908)	2.86813 (05110908)	2.49228 (05110908)
3743938.3	2.33752 (05110908)	2.24989 (05110908)	2.07377 (05110908)	1.83127 (05110908)	1.60780 (05110908)
3742938.3	1.93706 (05110908)	1.68853 (05110908)	1.63029 (05120824)	1.53329 (07011224)	1.67595 (06031908)
3741938.3	1.44872 (05120824)	1.18415 (07011224)	1.36602 (06031908)	1.84788 (06031908)	1.72241 (06031908)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** CO - LST Assessment (No Refrigeration) *** 08:16:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 471553.03	472553.03	473553.03	474553.03	475553.03
3767938.3	1.23804 (07112608)	1.41742 (06102308)	1.42523 (06102308)	1.33282 (07030608)	1.62112 (07030608)
3766938.3	1.30618 (07020408)	1.36075 (07112608)	1.53439 (06102308)	1.61159 (06102308)	1.57790 (07030608)
3765938.3	1.41768 (07091608)	1.51931 (07020408)	1.46556 (07112608)	1.73131 (06102308)	1.83573 (06102308)
3764938.3	1.50446 (07091608)	2.07070 (07091608)	1.62311 (07020408)	1.61718 (07020408)	1.94284 (06102308)
3763938.3	1.45916 (07110608)	1.62902 (07110224)	1.98584 (07091608)	1.69335 (06120908)	1.82746 (07020408)
3762938.3	1.61222 (07121808)	1.65296 (07121808)	1.69434 (07110224)	2.03156 (07091608)	2.40686 (07091608)
3761938.3	2.20103 (07042108)	2.43828 (06110308)	1.99186 (07121808)	2.31031 (07110608)	1.76037 (07110608)
3760938.3	2.06700 (07121808)	2.80613 (07042108)	2.52683 (07042108)	2.74072 (06110308)	2.32436 (07121808)
3759938.3	1.96404 (06112008)	2.19373 (06112008)	1.92956 (07042108)	3.26271 (07042108)	3.12828 (07042108)
3758938.3	1.76999 (07112008)	2.14446 (07112008)	1.91562 (07122808)	2.96805 (06112008)	3.72608 (06112008)
3757938.3	1.90611 (05122808)	2.27101 (05122808)	1.90297 (07112008)	2.16629 (07112008)	3.41661 (07112008)
3756938.3	2.34130 (06020508)	2.47492 (06020508)	2.86798 (06020508)	2.40523 (06020508)	3.67672 (05122808)
3755938.3	2.71475 (06123108)	2.71803 (06123108)	2.87357 (06123108)	3.85590 (06020508)	4.24228 (06020508)
3754938.3	2.21862 (06123108)	2.45626 (06123108)	2.74508 (06123108)	3.08658 (06123108)	3.62289 (06123108)
3753938.3	2.08449 (06112108)	2.25435 (06112108)	2.42842 (06112108)	2.62808 (06112108)	2.91202 (06112108)
3752938.3	2.19753 (07012408)	2.35610 (07012408)	2.56141 (07012408)	2.83967 (07012408)	3.17667 (07012408)
3751938.3	2.74054 (07033108)	2.56858 (07012408)	2.74574 (07012408)	2.98281 (07012408)	3.28434 (07012408)
3750938.3	2.51152 (07033108)	2.50224 (07033108)	2.47829 (07012408)	2.61385 (07012408)	2.74822 (07012408)
3749938.3	2.37223 (05031908)	2.41567 (05031908)	2.06763 (05110908)	2.72458 (05110908)	3.49222 (05110908)
3748938.3	1.93850 (07030808)	2.34748 (05110908)	3.20149 (05110908)	3.81467 (05110908)	4.28595 (05110908)
3747938.3	3.06107 (05110908)	3.77580 (05110908)	4.32777 (05110908)	3.88066 (05110908)	3.81062 (05110908)
3746938.3	3.77546 (05110908)	3.90305 (05110908)	3.88835 (05110908)	3.55283 (05110908)	2.60071 (05110908)
3745938.3	3.27125 (05110908)	2.93089 (05110908)	2.45114 (05110908)	2.38688 (05022308)	2.12322 (06031908)
3744938.3	2.09344 (05110908)	1.90455 (05022308)	2.02475 (05022308)	2.37568 (06031908)	2.23738 (05040208)
3743938.3	1.69607 (05022308)	1.81439 (06031908)	2.02433 (06031908)	2.27043 (05040208)	2.17758 (05040208)
3742938.3	2.02061 (06031908)	2.02924 (06031908)	2.21144 (05040208)	2.22977 (05040208)	2.01342 (06111808)
3741938.3	1.98660 (05040208)	2.24069 (05040208)	2.08015 (05040208)	2.07485 (06111808)	2.09239 (06011808)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** CO - LST Assessment (No Refrigeration) *** 08:16:54

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**MODELOPTs:  NonDFAULT CONC                                        ELEV
              FASTALL

                    *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                        INCLUDING SOURCE(S):     PHASE1      , L0112381    , L0112382    , L0112383    , L0112384    ,
          L0112385    , L0112386    , L0112387    , L0112388    , L0112389    , L0112390    , L0112391    , L0112392    ,
          L0112393    , L0112394    , L0112395    , L0112396    , L0111700    , L0111701    , L0111702    , L0111703    ,
          L0111704    , L0111705    , L0111706    , L0111707    , L0111708    , L0111709    , L0111710    ,  . . .      ,

                         *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                              ** CONC OF CO       IN MICROGRAMS/M**3                          **

 Y-COORD  |                                        X-COORD (METERS)
 (METERS) |      476553.03              477553.03              478553.03              479553.03              480553.03
- - - -
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** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 486553.03	487553.03	488553.03	489553.03	490553.03
3767938.3	2.00060 (06020908)	1.76228 (06112608)	2.12359 (05030608)	2.00322 (06021308)	1.64025 (07110508)
3766938.3	2.15526 (06020908)	1.91122 (06112608)	1.96659 (05030608)	1.74753 (06091108)	1.52776 (06012608)
3765938.3	2.22924 (06020908)	1.91337 (06112608)	1.93418 (05030608)	1.77844 (06091108)	2.19474 (06012608)
3764938.3	2.13643 (06112608)	1.90315 (06112608)	2.06535 (05030608)	2.18270 (05030308)	2.49977 (06012608)
3763938.3	1.94237 (06112608)	1.83478 (06112608)	2.12776 (05030608)	2.46277 (05030308)	2.65769 (06091708)
3762938.3	3.06377 (06020908)	2.48577 (06112608)	3.41444 (06021308)	3.33862 (05030308)	2.78172 (06091708)
3761938.3	3.01529 (06020908)	2.86307 (06122508)	2.48514 (05030308)	2.81361 (06012608)	2.14008 (06091708)
3760938.3	5.28382 (06020908)	4.37916 (06020908)	3.53178 (05030308)	2.94166 (06091708)	2.72285 (07092408)
3759938.3	5.11039 (06020908)	4.77471 (06020908)	5.37996 (05020908)	4.80965 (05020908)	4.02495 (06042908)
3758938.3	4.34983 (06020908)	4.01030 (05030308)	3.61388 (06091708)	3.79690 (05020908)	4.08653 (06042908)
3757938.3	6.85762 (06020908)	4.65565 (05120608)	4.08153 (06110608)	4.01497 (05110408)	3.69209 (05110408)
3756938.3	8.53070 (05120608)	8.36478 (06021308)	5.70841 (07051508)	5.07983 (07110708)	4.31935 (06112724)
3755938.3	19.75736 (07110308)	14.72883 (05112108)	10.75727 (07110708)	7.83844 (06091608)	7.04781 (07122008)
3754938.3	50.61993 (07121808)	36.62923 (06112724)	37.72959 (07122008)	16.25082 (07122008)	11.38700 (07122008)
3753938.3	39.51053 (06123108)	39.20004 (07121808)	38.45936 (07121808)	38.77244 (06103024)	19.02350 (07071224)
3752938.3	38.51148 (07121408)	37.90275 (07010408)	43.02402 (07110824)	38.55207 (06112324)	41.22709 (05112524)
3751938.3	9.92278m(05041208)	18.69472 (07031608)	16.26523 (07072208)	15.87162 (06121124)	16.53017 (07072208)
3750938.3	6.97211m(05041208)	12.31741 (07031608)	11.01737 (07031608)	10.71233 (07072208)	11.19466 (07072208)
3749938.3	9.02410m(05041208)	9.93893 (07031608)	8.95434 (07031608)	7.94802 (06091008)	8.25008 (07072208)
3748938.3	7.82562m(05041208)	8.24533 (07031608)	7.66935 (07031608)	6.86031 (07120524)	6.60246 (06091008)
3747938.3	6.61030m(05041208)	6.60057 (07031608)	6.46926 (07031608)	5.92760 (07120524)	5.56086 (06091008)
3746938.3	5.58206 (06060408)	5.07982 (07121608)	5.43583 (07031608)	5.24131 (07031608)	4.92173 (07120524)
3745938.3	4.19597m(05041208)	4.20821 (06060408)	4.53443 (07031608)	4.54911 (07031608)	4.34727 (07120524)
3744938.3	4.07395m(05041208)	3.77364 (06060408)	3.84104 (07121608)	4.10641 (07031608)	3.76411 (07120524)
3743938.3	3.50828m(05041208)	3.43465 (06060408)	3.49707 (07121608)	3.65967 (07031608)	3.43993 (07111824)
3742938.3	3.11553m(05041208)	3.12631 (06060408)	3.17116 (07121608)	3.23923 (07031608)	3.22270 (07111824)
3741938.3	2.79054m(05041208)	2.88617 (06060408)	2.86946 (07121608)	2.88442 (07111824)	3.03522 (07111824)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 491553.03	492553.03	493553.03	494553.03	495553.03
3767938.3	1.54927 (06012608)	1.14141 (06091708)	0.86725 (05110408)	1.15890 (07092408)	1.19666 (07092408)
3766938.3	1.53307 (06012608)	1.25614 (06091708)	1.29324 (07092408)	1.38972 (07092408)	1.30223 (06042908)
3765938.3	1.91313 (06091708)	1.41754 (05110808)	1.59420 (07092408)	1.39242 (06042908)	1.37274 (06042908)
3764938.3	2.05325 (06091708)	1.81152 (07092408)	1.56515 (07092408)	1.62771 (06042908)	1.34980 (07051508)
3763938.3	1.84849 (06091708)	1.96665 (07041008)	2.05401 (06042908)	1.54825 (06042908)	1.29599 (07101108)
3762938.3	2.26500 (07092408)	2.22007 (06042908)	1.98827 (06042908)	1.45746 (07101108)	1.30156 (05110408)
3761938.3	2.21389 (05020908)	2.43153 (06042908)	1.67559 (07101108)	1.57310 (07110708)	1.57930 (07110708)
3760938.3	2.90024 (06042908)	2.09667 (06042908)	2.12205 (07110708)	1.97822 (07110708)	1.74620 (07110708)
3759938.3	3.24795 (06042908)	2.73344 (07110708)	2.57204 (07110708)	2.06061 (07110708)	1.72202 (06091608)
3758938.3	3.43702 (07110708)	3.54718 (07110708)	2.63145 (07110708)	2.95682 (06091608)	2.78603 (06091608)
3757938.3	3.28347 (07110708)	3.14919 (06091608)	4.22464 (06091608)	3.09734 (07122008)	2.98426 (07122008)
3756938.3	4.41925 (06091608)	3.59936 (06091608)	4.36399 (07122008)	4.24003 (07122008)	3.23627 (07122008)
3755938.3	5.40579 (07122008)	5.67695 (07122008)	4.37863 (07122008)	4.12081 (07122008)	3.98385 (07122008)
3754938.3	8.78934 (07122008)	5.99632 (07122008)	5.53013 (07071224)	4.78301 (07071224)	4.07614 (07071224)
3753938.3	11.68599 (07071224)	10.32251 (07071224)	7.36765 (07071224)	6.75976 (07061124)	5.20684 (07061124)
3752938.3	24.05372 (06091524)	17.20399 (05040408)	10.87303 (05040408)	8.52480 (05040408)	6.11613 (05040408)
3751938.3	19.54565 (06112324)	16.58672 (06112324)	13.29334 (06050308)	9.90551 (06050308)	6.32846 (06091524)
3750938.3	10.69731 (07072208)	11.00607 (05022524)	12.78314 (05022524)	10.42971 (06112324)	9.55420 (05080508)
3749938.3	8.79340 (07072208)	7.80882 (07072208)	7.58248 (05022524)	8.46420 (05022524)	6.37944 (05022524)
3748938.3	6.96091 (07072208)	7.07230 (07072208)	6.04551 (07080408)	5.28856 (07061508)	6.51614 (05022524)
3747938.3	5.75969 (06091008)	6.01286 (07072208)	5.58051 (07072208)	4.91350 (07080408)	4.44734 (07061508)
3746938.3	4.99868 (06091008)	5.06987 (07072208)	5.22844 (07072208)	4.45807 (07072208)	4.11473 (07080408)
3745938.3	4.21134 (06091008)	4.50215 (06091008)	4.59295 (07072208)	4.47155 (07072208)	3.89600 (07070708)
3744938.3	3.67791 (07120524)	3.92823 (06091008)	3.94744 (06091008)	4.14698 (07072208)	3.82743 (07072208)
3743938.3	3.35752 (07120524)	3.46761 (06091008)	3.66979 (06091008)	3.53241 (07072208)	3.72660 (07072208)
3742938.3	3.06258 (07120524)	3.37408 (07040208)	2.45630 (07040208)	2.62355 (06091008)	3.33952 (07072208)
3741938.3	3.11414 (07031508)	2.52399 (06092808)	2.62376 (07040208)	2.18710 (07040208)	3.14435 (05070408)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 496553.03	497553.03	498553.03	499553.03	500553.03
3767938.3	1.16504 (06042908)	1.09662 (07051508)	0.89230 (07051508)	0.73930 (07042208)	0.63038 (05050224)
3766938.3	1.18142 (06042908)	1.08864 (07051508)	0.82131 (07042208)	0.70326 (05050224)	0.80884 (05050224)
3765938.3	1.21074 (07051508)	1.05944 (07101108)	0.80122 (05050224)	0.65083 (07040708)	0.74839 (05050224)
3764938.3	1.16897 (07101108)	0.98404 (07110708)	1.01088 (05050224)	0.87007 (05050224)	0.75324 (05110508)
3763938.3	1.12641 (07110708)	1.15234 (07110708)	1.21158 (07110708)	1.08042 (07110708)	0.86935 (07103124)
3762938.3	1.34282 (07110708)	1.34879 (07110708)	1.24996 (07110708)	1.02820 (06100124)	1.14487 (06100124)

3761938.3	1.53132 (07110708)	1.34849 (07110708)	1.25625 (07103124)	1.26999 (06100124)	0.92694 (06100124)
3760938.3	1.44634 (07110708)	1.42180 (06091608)	1.61482 (06091608)	1.63948 (06091608)	1.51516 (06091608)
3759938.3	2.11168 (06091608)	2.04252 (06091608)	1.86369 (06091608)	1.66716 (06091608)	1.58199 (07122008)
3758938.3	2.56221 (06091608)	2.15414 (06091608)	2.01778 (07122008)	1.89630 (07122008)	1.83441 (07122008)
3757938.3	2.83765 (07122008)	2.50572 (07122008)	2.23387 (07122008)	1.90454 (07122008)	1.60121 (07122008)
3756938.3	2.78564 (07122008)	2.58026 (07122008)	2.22571 (07122008)	1.89330 (07122008)	1.84111 (07071224)
3755938.3	3.20246 (07122008)	2.61065 (07071224)	2.37667 (07071224)	2.13478 (07071224)	1.91700 (07071224)
3754938.3	3.74512 (07071224)	3.34104 (07071224)	2.96952 (07071224)	2.53986 (07071224)	2.16831 (07071224)
3753938.3	3.91867 (07061124)	3.48435 (07061124)	3.17222 (07061124)	2.89163 (07061124)	2.61412 (07061124)
3752938.3	4.29085 (06051524)	3.73241 (05040408)	3.29171 (05040408)	2.91182 (05040408)	2.57024 (05040408)
3751938.3	3.80837 (05081824)	3.46159 (05040408)	3.37929 (05040408)	3.18779 (05040408)	2.98965 (05040408)
3750938.3	5.24235 (06050308)	4.34226 (05070924)	3.80663 (05070924)	2.90940 (07063024)	2.76866 (05081824)
3749938.3	5.59508 (06112324)	7.89322 (05080508)	5.90948 (05080508)	3.36656 (06050308)	2.72090 (07063024)
3748938.3	4.80769 (05022524)	5.16979 (06112324)	5.12717 (05080508)	5.17589 (05080508)	4.29517 (05080508)
3747938.3	5.22025 (05022524)	4.72734 (05022524)	6.61821 (05022524)	3.87314 (06112324)	3.45290 (05080508)
3746938.3	3.83130 (07061508)	3.79259 (05022524)	4.85496 (05022524)	3.82401 (05022524)	3.23308 (05022524)
3745938.3	3.51438 (07080408)	3.32360 (07061508)	3.05375 (07061508)	3.99314 (05022524)	4.59781 (05022524)
3744938.3	3.45406 (07070708)	3.02468 (07080408)	2.87887 (07061508)	2.74946 (07061508)	2.90350 (05022524)
3743938.3	3.29447 (07072208)	3.08434 (07070708)	2.64707 (07080408)	2.54439 (07080408)	2.51498 (07061508)
3742938.3	3.36156 (07072208)	2.91603 (07070708)	2.77529 (07070708)	2.35254 (07080408)	2.29834 (07080408)
3741938.3	3.13220 (07072208)	3.01162 (07072208)	2.69040 (07070708)	2.51671 (07070708)	2.12178 (07080408)

**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501553.03	502553.03	503553.03	504553.03	505553.03
3767938.3	0.58695 (05050224)	0.44277 (07040708)	0.32231 (07040708)	0.30749 (05012616)	0.29054 (05012616)
3766938.3	0.60727 (07040708)	0.33433 (05012616)	0.31549 (05012616)	0.27908 (05012616)	0.23261 (05012616)
3765938.3	0.55070 (07040708)	0.32230 (05012616)	0.27863 (05012616)	0.26753 (05011124)	0.33541 (05011124)
3764938.3	0.57737 (05031124)	0.46608 (05011124)	0.46729 (05011124)	0.44094 (07032708)	0.45210 (05040824)
3763938.3	0.98642 (06100124)	0.90473 (06100124)	0.78437 (06100124)	0.71464 (07022808)	0.60994 (05040824)
3762938.3	1.08220 (06100124)	1.09898 (06091608)	0.77403 (07022808)	0.65722 (05040824)	0.66831 (06041708)
3761938.3	1.34312 (06091608)	1.00936 (06091608)	1.14077 (06091608)	0.95016 (06091608)	0.79714 (06031124)
3760938.3	1.35488 (06091608)	1.17519 (06091608)	1.05786 (06031124)	1.09366 (06031124)	1.08306 (06031124)
3759938.3	1.57205 (07122008)	1.41165 (07122008)	1.35702 (06031124)	1.28350 (06031124)	1.14409 (06031124)
3758938.3	1.63495 (07122008)	1.43809 (06031124)	1.26037 (06031124)	1.12067 (05032324)	1.04835 (05061224)
3757938.3	1.41644 (05032324)	1.31609 (05061224)	1.23229 (07092308)	1.23105 (07071224)	1.26658 (07071224)
3756938.3	1.81688 (07071224)	1.72413 (07071224)	1.61515 (07071224)	1.51521 (07071224)	1.44723 (07071224)
3755938.3	1.78290 (07071224)	1.67929 (07071224)	1.55598 (07071224)	1.43692 (07071224)	1.35833 (07062508)
3754938.3	1.82070 (07061124)	1.72311 (07061124)	1.61056 (07061124)	1.51757 (07061124)	1.42746 (07061124)
3753938.3	2.39167 (07061124)	2.20311 (07061124)	2.05351 (07061124)	1.92640 (07061124)	1.82302 (07061124)
3752938.3	2.35689 (06051524)	2.19532 (06051524)	2.05957 (06051524)	1.94024 (06051524)	1.83132 (06051524)
3751938.3	2.81019 (05040408)	2.62985 (05040408)	2.45681 (05040408)	2.28925 (05040408)	2.11754 (05040408)
3750938.3	2.52261 (05081824)	2.16913 (05081824)	1.99114 (07043024)	1.78674 (07043024)	1.78060 (05040408)
3749938.3	2.79821 (07063024)	2.55994 (07063024)	2.30884 (07063024)	2.05907 (05081824)	1.97049 (05081824)
3748938.3	2.83692 (06012824)	2.43536 (06050308)	2.07315 (07071024)	2.37825 (07063024)	2.34606 (07063024)
3747938.3	3.87787 (05080508)	3.48671 (05080508)	3.34741 (05080508)	2.58289 (06012824)	2.13272 (06012824)
3746938.3	3.31745 (07102824)	2.66051 (05052908)	3.73026 (05080508)	4.36109 (05080508)	3.78431 (05080508)
3745938.3	4.71957 (05022524)	4.10594 (06060808)	3.16381 (07102824)	2.15174 (05052908)	2.42179 (05080508)
3744938.3	2.13330 (05022524)	2.71954 (05022524)	2.60617 (05022524)	2.07936 (06060808)	1.85855 (05052908)
3743938.3	2.70975 (07061508)	1.66312 (07110608)	1.99371 (05022524)	2.35384 (05022524)	1.76445 (06060808)
3742938.3	2.32268 (07061508)	2.66740 (07061508)	1.60298 (07062608)	1.58846 (05022524)	1.85168 (05022524)
3741938.3	2.08731 (07080408)	2.12958 (07061508)	2.08446 (07061508)	1.83014 (07062608)	1.24143 (05022524)

**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71
3754634.4	21.80833 (07120324)	23.00947 (07120324)	24.09401 (07120324)	25.86977 (07120324)	27.92032 (07120324)
3754534.4	21.46258 (07120324)	22.70789 (07120324)	23.62209 (07120324)	25.13309 (07120324)	27.15634 (07120324)
3754434.4	20.93038 (07120324)	22.09088 (07120324)	23.31653 (07120324)	24.70322 (07120324)	26.70525 (07120324)
3754334.4	20.44405 (07120324)	21.65127 (07120324)	22.93787 (07120324)	24.32185 (07120324)	25.94736 (07120324)
3754234.4	20.04312 (07120324)	21.21124 (07120324)	22.50344 (07120324)	23.86015 (07120324)	25.41410 (07120324)
3754134.4	19.74021 (07012408)	20.82491 (07120324)	22.06294 (07120324)	23.43075 (07120324)	24.93683 (07120324)
3754034.4	19.93715 (07012408)	20.36024 (07120324)	21.59895 (07120324)	22.90544 (07120324)	24.45676 (07120324)
3753934.4	19.78625 (07012408)	20.17352 (07012408)	21.10472 (07120324)	22.46864 (07120324)	24.05589 (07120324)
3753834.4	19.66847 (06123108)	20.49149 (06123108)	21.28348 (06123108)	22.54610 (06123108)	23.42513 (06123108)
3753734.4	20.13924 (06123108)	21.13278 (06123108)	22.01352 (06123108)	23.20131 (06123108)	24.21868 (06123108)
3753634.4	19.90809 (06123108)	21.48332 (06123108)	21.14526 (06123108)	22.99784 (06123108)	24.37091 (06123108)
3753534.4	18.94476 (07012408)	19.72843 (07012408)	20.65593 (06123108)	22.88235 (06123108)	24.19943 (06123108)
3753434.4	18.89853 (07012408)	19.68877 (07012408)	20.60070 (07012408)	21.55371 (07012408)	22.66898 (07012408)
3753334.4	18.76935 (07012408)	19.55206 (07012408)	20.33410 (07012408)	21.29192 (07012408)	22.36875 (07012408)
3753234.4	18.46983 (07012408)	19.14512 (07012408)	20.03183 (07012408)	21.05163 (07012408)	22.00628 (07012408)
3753134.4	18.24166 (07012408)	18.86096 (07012408)	19.36368 (07012408)	20.12233 (07012408)	21.45011 (07012408)
3753034.4	17.32341 (07012408)	17.85668 (07012408)	18.77105 (07012408)	19.41645 (07012408)	20.47765 (07012408)
3752934.4	16.23282 (07012408)	16.83681 (07012408)	17.67075 (07012408)	18.23859 (07012408)	19.21739 (07012408)

3752834.4	15.86423 (05110908)	16.43109 (05110908)	17.07403 (05110908)	17.78905 (05110908)	18.57668 (05110908)
3752734.4	15.96106 (05110908)	16.56513 (05110908)	17.13825 (05110908)	17.81444 (05110908)	18.52266 (05110908)
3752634.4	16.07541 (05110908)	16.56551 (05110908)	17.21545 (05110908)	17.81233 (05110908)	18.40719 (05110908)
3752534.4	16.04412 (05110908)	16.53477 (05110908)	16.91846 (05110908)	17.64226 (05110908)	18.17699 (05110908)
3752434.4	15.89657 (05110908)	16.45089 (05110908)	16.89646 (05110908)	17.39158 (05110908)	17.83268 (05110908)
3752334.4	15.65245 (05110908)	16.11422 (05110908)	16.47889 (05110908)	16.79037 (05110908)	17.19829 (05110908)
3752234.4	15.19937 (05110908)	15.51103 (05110908)	15.90474 (05110908)	16.05793 (05110908)	16.23747 (05110908)
3752134.4	14.62487 (05110908)	14.88164 (05110908)	15.02302 (05110908)	15.13897 (05110908)	15.23385 (05110908)
3752034.4	14.00531 (05110908)	14.08054 (05110908)	13.98484 (05110908)	14.03047 (05110908)	14.09659 (05110908)
3751934.4	13.04448 (05110908)	13.04991 (05110908)	13.03951 (05110908)	12.94943 (05110908)	12.87039 (05110908)
3751834.4	12.14820 (05110908)	12.11116 (05110908)	12.02792 (05110908)	11.96897 (05110908)	12.01056 (07011224)
3751734.4	11.33329 (05110908)	11.23523 (05110908)	11.43222 (05110908)	11.49211 (07011224)	11.48444 (07011224)
3751634.4	10.56188 (05110908)	10.82245 (05110908)	10.85318 (07011224)	10.95430 (07011224)	11.20366 (06011808)
3751534.4	10.12212 (07011224)	10.30851 (05022224)	10.76370 (06011808)	11.10298 (06011808)	11.55441 (06011808)
3751434.4	9.81887 (07011224)	10.25590 (06011808)	10.84297 (06011808)	11.15677 (06011808)	11.30244 (06011808)
3751334.4	9.59033 (06011808)	10.20559 (06011808)	10.62809 (06011808)	10.80166 (06011808)	10.80037 (06011808)
3751234.4	9.79372 (06011808)	10.19499 (06011808)	10.34866 (06011808)	10.24075 (06011808)	10.25267 (07122424)
3751134.4	9.80255 (06011808)	9.91885 (06011808)	9.94328 (06011808)	9.54573 (07122424)	9.24152 (07122424)
3751034.4	9.56313 (06011808)	9.57914 (06011808)	9.32468 (07122424)	7.86522 (07122424)	8.20604 (07122424)
3750934.4	8.97669 (06011808)	9.11416 (07122424)	7.84713 (07122424)	7.20648 (07092708)	7.14632 (07092708)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** CO - LST Assessment (No Refrigeration) *** 08:16:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485051.71	485151.71	485251.71	485351.71	485451.71
3754634.4	29.75968 (07120324)	32.13275 (07120324)	35.38816 (07120324)	40.67033 (07120324)	52.12198 (07120324)
3754534.4	29.78231 (07120324)	31.91220 (07120324)	35.32600 (07120324)	40.51455 (07120324)	49.71222 (07120324)
3754434.4	28.52191 (07120324)	30.99530 (07120324)	34.36154 (07120324)	39.69306 (07120324)	51.72002 (07120324)
3754334.4	27.72381 (07120324)	29.97752 (07120324)	33.19089 (07120324)	38.40761 (07120324)	51.19397 (07120324)
3754234.4	27.12010 (07120324)	29.16275 (07120324)	31.93773 (07120324)	36.08666 (07120324)	45.69960 (07012408)
3754134.4	26.55446 (07120324)	28.54820 (07120324)	30.97237 (07120324)	34.18527 (07120324)	41.75954 (07120324)
3754034.4	26.19751 (07120324)	27.89043 (07120324)	30.54078 (07120324)	33.63686 (07120324)	40.16161 (07120324)
3753934.4	25.69395 (07120324)	27.63337 (07120324)	30.19840 (07120324)	33.64414 (07120324)	40.54465 (07120324)
3753834.4	25.15254 (07120324)	27.25168 (07120324)	29.81270 (07120324)	32.78936 (07120324)	39.72759 (07120324)
3753734.4	25.33449 (06123108)	27.64150 (06123108)	29.46106 (06123108)	33.02731 (07120324)	39.95738 (07120324)
3753634.4	25.93985 (06123108)	27.80737 (06123108)	30.13617 (06123108)	33.38434 (06123108)	39.60785 (06123108)
3753534.4	25.21337 (06123108)	26.95541 (06123108)	28.67327 (06123108)	32.69876 (06123108)	40.51587 (06123108)
3753434.4	24.20226 (06123108)	25.55674 (06123108)	27.47543 (07012408)	31.18811 (06123108)	38.25926 (07012408)
3753334.4	23.74831 (07012408)	25.19195 (07012408)	27.14625 (07012408)	30.56533 (07012408)	38.12585 (07012408)
3753234.4	23.15459 (07012408)	24.94168 (07012408)	26.97335 (07012408)	30.66348 (07012408)	38.54147 (07012408)
3753134.4	22.69427 (07012408)	24.61616 (07012408)	26.08297 (07012408)	29.12806 (07012408)	36.94928 (07012408)
3753034.4	21.47218 (07012408)	22.91139 (07012408)	24.29913 (07012408)	26.46190 (07012408)	30.09851 (07012408)
3752934.4	20.06132 (07012408)	21.14676 (07012408)	22.37596 (07012408)	23.68006 (07012408)	25.23835 (07012408)
3752834.4	19.42248 (05110908)	20.34859 (05110908)	21.29036 (05110908)	22.38576 (05110908)	23.89680 (05110908)
3752734.4	19.34658 (05110908)	20.05356 (05110908)	21.03042 (05110908)	22.07928 (05110908)	23.46727 (05110908)
3752634.4	19.17022 (05110908)	19.96126 (05110908)	20.81243 (05110908)	21.75356 (05110908)	23.08511 (05110908)
3752534.4	18.83033 (05110908)	19.57371 (05110908)	20.25261 (05110908)	21.15134 (05110908)	22.14373 (05110908)
3752434.4	18.15844 (05110908)	18.94812 (05110908)	19.31098 (05110908)	20.06212 (05110908)	20.70423 (05110908)
3752334.4	17.50064 (05110908)	17.90894 (05110908)	18.19274 (05110908)	18.61620 (05110908)	19.01760 (05110908)
3752234.4	16.15385 (05110908)	16.66034 (05110908)	16.74325 (05110908)	17.08313 (05110908)	17.93274 (05110908)
3752134.4	15.24497 (05110908)	15.31715 (05110908)	15.50105 (05110908)	16.15174 (05110908)	16.49994 (05110908)
3752034.4	13.97411 (05110908)	14.01593 (05110908)	14.28834 (07011224)	14.83161 (06011808)	16.39290 (06121324)
3751934.4	12.92358 (07011224)	13.20205 (07011224)	13.45259 (06011808)	14.49517 (06022408)	16.00585 (06121324)
3751834.4	12.23206 (07011224)	12.45940 (06011808)	13.33946 (06011808)	14.47477 (06121324)	15.27105 (06121324)
3751734.4	11.61887 (06011808)	12.26028 (06011808)	13.02614 (06022408)	14.05967 (06121324)	14.32708 (06121324)
3751634.4	11.32153 (06011808)	12.02090 (06022408)	12.85119 (06121324)	13.11446 (06121324)	12.08350 (06121324)
3751534.4	11.51474 (06011808)	11.96339 (06011808)	11.58545 (06121324)	10.42143 (05041608)	9.11737 (05041608)
3751434.4	11.13596 (06011808)	10.48776 (06121324)	9.45570 (06121324)	8.25944 (05041608)	7.67849 (05041608)
3751334.4	10.59218 (07122424)	9.37893 (06121324)	7.84105 (05041608)	7.29750 (05041608)	7.02428 (05041608)
3751234.4	9.44324 (07122424)	8.31032 (07092708)	7.31751 (05041608)	6.98091 (05041608)	6.70677 (05041608)
3751134.4	8.51146 (06121324)	8.23937 (05041608)	7.42585 (05041608)	7.01023 (05041608)	6.47123 (06122524)
3751034.4	7.68369 (06022408)	7.36675 (05041608)	6.76456 (05041608)	6.41849 (05041608)	6.14191 (05041608)
3750934.4	6.99894 (05041608)	6.58968 (05041608)	6.17882 (05041608)	5.96043 (05041608)	5.89597m(05041208)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** CO - LST Assessment (No Refrigeration) *** 08:16:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112381 , L0112382 , L0112383 , L0112384 ,
L0112385 , L0112386 , L0112387 , L0112388 , L0112389 , L0112390 , L0112391 , L0112392 ,
L0112393 , L0112394 , L0112395 , L0112396 , L0111700 , L0111701 , L0111702 , L0111703 ,
L0111704 , L0111705 , L0111706 , L0111707 , L0111708 , L0111709 , L0111710 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF CO IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.9	34.01359 (06123108)	34.60732 (06123108)	37.86820 (06123108)	43.34949 (06123108)
3753334.9	31.85253 (07012408)	33.82959 (07012408)	38.14356 (07012408)	46.35790 (07012408)
3753234.9	32.46914 (07012408)	34.79691 (07012408)	39.14563 (07012408)	47.37321 (07012408)
3753134.9	31.29849 (07012408)	33.60188 (07012408)	37.76809 (07012408)	45.67996 (07012408)
3753034.9	29.97548 (07012408)	32.22215 (07012408)	35.84387 (07012408)	43.81497 (07012408)
3752934.9	27.58793 (07012408)	30.12659 (07012408)	33.57090 (07012408)	41.54516 (07012408)
3752834.9	25.72111 (05110908)	27.88591 (07012408)	31.82393 (07012408)	39.69969 (07012408)
3752734.9	25.25652 (05110908)	27.28911 (05110908)	30.23510 (05110908)	37.05747 (07020708)

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 3752634.9 |     24.57715 (05110908)     26.40940 (05110908)     28.80454 (05110908)     35.26765 (07020708)
 3752534.9 |     23.25002 (05110908)     24.31826 (05110908)     26.06256 (07020708)     32.60566 (07020708)
 3752434.9 |     21.35022 (05110908)     22.11118 (05110908)     24.92944 (06120608)     32.26704 (06022408)
 3752334.9 |     19.85475 (05110908)     21.06851 (05110908)     24.22946 (06022408)     34.16948m(05041208)
 3752234.9 |     18.71569 (05110908)     20.67473 (06121324)     22.89108 (06022408)     33.08377m(05041208)
 3752134.9 |     18.14174 (06121324)     19.85790 (06022408)     22.18629 (06122524)     29.92748m(05041208)
 3752034.9 |     17.53168 (06121324)     18.65127 (06022408)     20.84277m(05041208)     25.39893m(05041208)
 3751934.9 |     16.58463 (06022408)     17.21452 (05041608)     19.79868m(05041208)     21.51062m(05041208)
 3751834.9 |     15.61345 (06022408)     15.71250 (05041608)     17.37895m(05041208)     16.87260m(05041208)
 3751734.9 |     13.87485 (05041608)     15.03285 (05041608)     15.05593m(05041208)     12.54170m(05041208)
 3751634.9 |     12.42037 (05041608)     11.77174m(05041208)     12.29383m(05041208)     10.97462m(05041208)
 3751534.9 |      9.44396 (05041608)      9.61651m(05041208)     10.17960m(05041208)     10.11826m(05041208)
 3751434.9 |      7.57779 (05041608)      8.39030m(05041208)      8.94066m(05041208)      9.24777m(05041208)
 3751334.9 |      6.92677 (06122524)      7.95117m(05041208)      8.28853m(05041208)      8.53964m(05041208)
 3751234.9 |      6.82646m(05041208)      7.64196m(05041208)      7.79170m(05041208)      7.96401m(05041208)
 3751134.9 |      6.76562m(05041208)      7.38241m(05041208)      7.38707m(05041208)      7.54132m(05041208)
 3751034.9 |      6.65828m(05041208)      7.09710m(05041208)      7.05040m(05041208)      7.22054m(05041208)
 3750934.9 |      6.54813m(05041208)      6.80738m(05041208)      6.76895m(05041208)      6.92487m(05041208)
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                ***        12/19/12
                                    *** CO - LST Assessment (No Refrigeration)                               ***        08:16:54
                                                                                                                        PAGE  87
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL

                              *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     PHASE1      , L0112381    , L0112382    , L0112383    , L0112384    ,
                 L0112385    , L0112386    , L0112387    , L0112388    , L0112389    , L0112390    , L0112391    , L0112392    ,
                 L0112393    , L0112394    , L0112395    , L0112396    , L0111700    , L0111701    , L0111702    , L0111703    ,
                 L0111704    , L0111705    , L0111706    , L0111707    , L0111708    , L0111709    , L0111710    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                     ** CONC OF CO       IN MICROGRAMS/M**3                          **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        485619.40   3753969.72       37.38488  (06123108)                485712.99   3753961.92       38.37187  (06123108)
        487190.85   3754410.34       80.61812  (07110824)                487194.75   3754289.46       58.57239  (07110824)
        487268.83   3754090.60       46.63181  (07111724)                487483.30   3754102.29       40.37490  (07121808)
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                ***        12/19/12
                                    *** CO - LST Assessment (No Refrigeration)                               ***        08:16:54
                                                                                                                        PAGE  88
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL

                                          *** THE SUMMARY OF HIGHEST  1-HR RESULTS ***

                                     ** CONC OF CO       IN MICROGRAMS/M**3                          **

                                                   DATE                                                                    NETWORK
GROUP ID                          AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS     129.60224  ON 07062005: AT (  487190.85,  3754410.34,   509.37,   776.00,    0.00)  DC
         HIGH   8TH HIGH VALUE IS     100.33491  ON 07092406: AT (  487190.85,  3754410.34,   509.37,   776.00,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                ***        12/19/12
                                    *** CO - LST Assessment (No Refrigeration)                               ***        08:16:54
                                                                                                                        PAGE  89
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL

                                          *** THE SUMMARY OF HIGHEST  8-HR RESULTS ***

                                     ** CONC OF CO       IN MICROGRAMS/M**3                          **

                                                   DATE                                                                    NETWORK
GROUP ID                          AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS      80.61812  ON 07110824: AT (  487190.85,  3754410.34,   509.37,   776.00,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                ***        12/19/12
                                    *** CO - LST Assessment (No Refrigeration)                               ***        08:16:54
                                                                                                                        PAGE  90
 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of           0 Fatal Error Message(s)
 A Total of           1 Warning Message(s)
 A Total of         117 Informational Message(s)

 A Total of       26280 Hours Were Processed

 A Total of           0 Calm Hours Identified

 A Total of         117 Missing Hours Identified (  0.45 Percent)


    ******** FATAL ERROR MESSAGES ********
```

```
            ***  NONE  ***

   ********   WARNING MESSAGES   ********
ME W530    1986 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

   ************************************
   *** AERMOD Finishes Successfully ***
   ************************************
```

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 8.0.7
** Lakes Environmental Software Inc.
** Date: 12/19/2012
** File: C:\MBA\Highland Fairview REV3 - All Sources\AERMOD-REV3\LST-AERMOD-2022\LST_NOx_REV3_NR_REV1\LST_NOx_REV3_NR_REV1.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE WLC Project-Related Operations - 2022
   TITLETWO NO2 - LST Assessment (No Refrigeration)
   MODELOPT CONC  FASTALL OLM
   AVERTIME 1 ANNUAL
   URBANOPT 2000000
   POLLUTID NO2
   RUNORNOT RUN
** NO2 Conversion Options
   NO2STACK 0.1
   NO2EQUIL 0.9
   OZONEFIL C:\MBA\MorenoHighland\O3RIVR0507.dat PPB
   ERRORFIL LST_NOx_REV3_NR_REV1.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION PHASE1       AREAPOLY   485577.456  3755020.364      527.630
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT01
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.0681
** Elevated
** Vertical Dimension = 3.70
** SZINIT = 0.86
** Nodes = 2
** 487123.57, 3755422.68, 541.00, 3.70, 27.35
** 487123.57, 3755095.72, 532.00, 3.70, 27.35
** ---------------------------------------------------------------------
   LOCATION L0112152     VOLUME   487123.570 3755406.219 540.55
   LOCATION L0112153     VOLUME   487123.570 3755347.411 538.93
   LOCATION L0112154     VOLUME   487123.570 3755288.602 537.31
   LOCATION L0112155     VOLUME   487123.570 3755229.793 535.69
   LOCATION L0112156     VOLUME   487123.570 3755170.984 534.07
   LOCATION L0112157     VOLUME   487123.570 3755112.176 532.45
** End of LINE VOLUME Source ID = SEGMENT01
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT02
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.274
** Elevated
** Vertical Dimension = 3.70
** SZINIT = 0.86
** Nodes = 2
** 487126.15, 3755058.81, 532.00, 3.70, 30.03
** 487128.77, 3754444.85, 508.00, 3.70, 30.03
** ---------------------------------------------------------------------
   LOCATION L0112158     VOLUME   487126.220 3755042.351 531.36
   LOCATION L0112159     VOLUME   487126.496 3754977.791 528.83
   LOCATION L0112160     VOLUME   487126.772 3754913.230 526.31
   LOCATION L0112161     VOLUME   487127.048 3754848.670 523.79
   LOCATION L0112162     VOLUME   487127.324 3754784.110 521.26
   LOCATION L0112163     VOLUME   487127.600 3754719.550 518.74
   LOCATION L0112164     VOLUME   487127.876 3754654.990 516.21
   LOCATION L0112165     VOLUME   487128.151 3754590.429 513.69
   LOCATION L0112166     VOLUME   487128.427 3754525.869 511.17
   LOCATION L0112167     VOLUME   487128.703 3754461.309 508.64
** End of LINE VOLUME Source ID = SEGMENT02
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT03
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.198
** Elevated
** Vertical Dimension = 3.70
** SZINIT = 0.86
** Nodes = 4
** 487123.53, 3754444.85, 511.00, 3.70, 18.01
** 486186.84, 3754452.72, 516.00, 3.70, 18.01
** 486042.53, 3754366.14, 509.00, 3.70, 18.01
** 486008.42, 3754297.92, 511.00, 3.70, 18.01
```

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** ----------------------------------------------------------------------
   LOCATION L0111014     VOLUME   487113.771 3754444.931 507.75
   LOCATION L0111015     VOLUME   487075.047 3754445.256 511.34
   LOCATION L0111016     VOLUME   487036.323 3754445.582 512.10
   LOCATION L0111017     VOLUME   486997.599 3754445.907 512.15
   LOCATION L0111018     VOLUME   486958.875 3754446.233 513.24
   LOCATION L0111019     VOLUME   486920.150 3754446.558 514.00
   LOCATION L0111020     VOLUME   486881.426 3754446.884 514.76
   LOCATION L0111021     VOLUME   486842.702 3754447.209 515.93
   LOCATION L0111022     VOLUME   486803.978 3754447.534 515.40
   LOCATION L0111023     VOLUME   486765.253 3754447.860 516.13
   LOCATION L0111024     VOLUME   486726.529 3754448.185 515.70
   LOCATION L0111025     VOLUME   486687.805 3754448.511 514.26
   LOCATION L0111026     VOLUME   486649.081 3754448.836 514.26
   LOCATION L0111027     VOLUME   486610.357 3754449.161 514.89
   LOCATION L0111028     VOLUME   486571.632 3754449.487 515.30
   LOCATION L0111029     VOLUME   486532.908 3754449.812 514.65
   LOCATION L0111030     VOLUME   486494.184 3754450.138 515.02
   LOCATION L0111031     VOLUME   486455.460 3754450.463 514.53
   LOCATION L0111032     VOLUME   486416.735 3754450.788 513.36
   LOCATION L0111033     VOLUME   486378.011 3754451.114 513.37
   LOCATION L0111034     VOLUME   486339.287 3754451.439 514.07
   LOCATION L0111035     VOLUME   486300.563 3754451.765 514.99
   LOCATION L0111036     VOLUME   486261.839 3754452.090 516.27
   LOCATION L0111037     VOLUME   486223.114 3754452.416 516.77
   LOCATION L0111038     VOLUME   486184.739 3754451.459 514.93
   LOCATION L0111039     VOLUME   486151.532 3754431.535 512.54
   LOCATION L0111040     VOLUME   486118.325 3754411.611 510.16
   LOCATION L0111041     VOLUME   486085.119 3754391.687 509.33
   LOCATION L0111042     VOLUME   486051.912 3754371.763 509.00
   LOCATION L0111043     VOLUME   486030.106 3754341.280 509.29
   LOCATION L0111044     VOLUME   486012.788 3754306.643 509.94
** End of LINE VOLUME Source ID = SEGMENT03
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT04
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0161
** Elevated
** Vertical Dimension = 2.80
** SZINIT = 0.65
** Nodes = 3
** 486005.80, 3754303.17, 511.00, 2.80, 17.72
** 485997.93, 3753510.79, 496.00, 2.80, 17.72
** 486071.40, 3753390.09, 494.00, 2.80, 17.72
** ----------------------------------------------------------------------
   LOCATION L0111045     VOLUME   486005.704 3754293.411 510.63
   LOCATION L0111046     VOLUME   486005.326 3754255.321 509.54
   LOCATION L0111047     VOLUME   486004.948 3754217.231 507.64
   LOCATION L0111048     VOLUME   486004.569 3754179.142 507.85
   LOCATION L0111049     VOLUME   486004.191 3754141.052 508.00
   LOCATION L0111050     VOLUME   486003.812 3754102.962 506.84
   LOCATION L0111051     VOLUME   486003.434 3754064.872 506.32
   LOCATION L0111052     VOLUME   486003.056 3754026.782 505.20
   LOCATION L0111053     VOLUME   486002.677 3753988.692 504.96
   LOCATION L0111054     VOLUME   486002.299 3753950.603 504.05
   LOCATION L0111055     VOLUME   486001.921 3753912.513 503.42
   LOCATION L0111056     VOLUME   486001.542 3753874.423 502.15
   LOCATION L0111057     VOLUME   486001.164 3753836.333 500.88
   LOCATION L0111058     VOLUME   486000.785 3753798.243 499.60
   LOCATION L0111059     VOLUME   486000.407 3753760.153 499.65
   LOCATION L0111060     VOLUME   486000.029 3753722.064 501.86
   LOCATION L0111061     VOLUME   485999.650 3753683.974 501.59
   LOCATION L0111062     VOLUME   485999.272 3753645.884 499.01
   LOCATION L0111063     VOLUME   485998.894 3753607.794 496.47
   LOCATION L0111064     VOLUME   485998.515 3753569.704 495.96
   LOCATION L0111065     VOLUME   485998.137 3753531.614 496.53
   LOCATION L0111066     VOLUME   486006.906 3753496.041 495.32
   LOCATION L0111067     VOLUME   486026.712 3753463.503 492.84
   LOCATION L0111068     VOLUME   486046.518 3753430.965 491.43
   LOCATION L0111069     VOLUME   486066.323 3753398.427 492.30
** End of LINE VOLUME Source ID = SEGMENT04
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT05
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0326
** Elevated
** Vertical Dimension = 2.80
** SZINIT = 0.65
** Nodes = 4
** 486071.40, 3753390.09, 494.00, 2.80, 24.05
** 486147.48, 3753361.23, 495.00, 2.80, 24.05
** 486743.08, 3753353.36, 496.00, 2.80, 24.05
** 487118.28, 3753274.65, 490.00, 2.80, 24.05
** ----------------------------------------------------------------------
   LOCATION L0112168     VOLUME   486083.649 3753385.447 494.16
   LOCATION L0112169     VOLUME   486131.996 3753367.108 494.80
   LOCATION L0112170     VOLUME   486182.626 3753360.769 495.06
   LOCATION L0112171     VOLUME   486234.330 3753360.085 495.15
   LOCATION L0112172     VOLUME   486286.035 3753359.402 495.23
   LOCATION L0112173     VOLUME   486337.740 3753358.719 495.32
   LOCATION L0112174     VOLUME   486389.444 3753358.035 495.41
   LOCATION L0112175     VOLUME   486441.149 3753357.352 495.49
   LOCATION L0112176     VOLUME   486492.853 3753356.669 495.58
   LOCATION L0112177     VOLUME   486544.558 3753355.985 495.67
   LOCATION L0112178     VOLUME   486596.263 3753355.302 495.75
   LOCATION L0112179     VOLUME   486647.967 3753354.619 495.84
   LOCATION L0112180     VOLUME   486699.672 3753353.936 495.93
   LOCATION L0112181     VOLUME   486751.201 3753351.658 495.87
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   LOCATION L0112182     VOLUME   486801.808 3753341.041 495.06
   LOCATION L0112183     VOLUME   486852.415 3753330.424 494.25
   LOCATION L0112184     VOLUME   486903.023 3753319.807 493.44
   LOCATION L0112185     VOLUME   486953.630 3753309.190 492.63
   LOCATION L0112186     VOLUME   487004.238 3753298.573 491.82
   LOCATION L0112187     VOLUME   487054.845 3753287.956 491.01
   LOCATION L0112188     VOLUME   487105.453 3753277.340 490.21
** End of LINE VOLUME Source ID = SEGMENT05
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT06
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.191
** Elevated
** Vertical Dimension = 3.70
** SZINIT = 0.86
** Nodes = 2
** 487123.53, 3754450.10, 512.00, 3.70, 29.19
** 487105.16, 3753287.77, 490.00, 3.70, 29.19
** ---------------------------------------------------------------------
   LOCATION L0112189     VOLUME   487123.266 3754433.639 511.69
   LOCATION L0112190     VOLUME   487122.275 3754370.893 510.50
   LOCATION L0112191     VOLUME   487121.283 3754308.148 509.31
   LOCATION L0112192     VOLUME   487120.292 3754245.403 508.13
   LOCATION L0112193     VOLUME   487119.300 3754182.658 506.94
   LOCATION L0112194     VOLUME   487118.309 3754119.913 505.75
   LOCATION L0112195     VOLUME   487117.317 3754057.168 504.56
   LOCATION L0112196     VOLUME   487116.326 3753994.422 503.38
   LOCATION L0112197     VOLUME   487115.334 3753931.677 502.19
   LOCATION L0112198     VOLUME   487114.343 3753868.932 501.00
   LOCATION L0112199     VOLUME   487113.351 3753806.187 499.81
   LOCATION L0112200     VOLUME   487112.360 3753743.442 498.62
   LOCATION L0112201     VOLUME   487111.369 3753680.697 497.44
   LOCATION L0112202     VOLUME   487110.377 3753617.951 496.25
   LOCATION L0112203     VOLUME   487109.386 3753555.206 495.06
   LOCATION L0112204     VOLUME   487108.394 3753492.461 493.87
   LOCATION L0112205     VOLUME   487107.403 3753429.716 492.69
   LOCATION L0112206     VOLUME   487106.411 3753366.971 491.50
   LOCATION L0112207     VOLUME   487105.420 3753304.226 490.31
** End of LINE VOLUME Source ID = SEGMENT06
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT07
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.0233
** Elevated
** Vertical Dimension = 3.60
** SZINIT = 0.84
** Nodes = 2
** 487102.54, 3753300.89, 489.00, 3.60, 29.21
** 487105.16, 3752765.64, 483.00, 3.60, 29.21
** ---------------------------------------------------------------------
   LOCATION L0111740     VOLUME   487102.617 3753284.427 489.25
   LOCATION L0111741     VOLUME   487102.924 3753221.636 489.56
   LOCATION L0111742     VOLUME   487103.232 3753158.844 486.75
   LOCATION L0111743     VOLUME   487103.540 3753096.053 485.78
   LOCATION L0111744     VOLUME   487103.848 3753033.262 484.98
   LOCATION L0111745     VOLUME   487104.156 3752970.471 486.98
   LOCATION L0111746     VOLUME   487104.463 3752907.680 484.85
   LOCATION L0111747     VOLUME   487104.771 3752844.889 483.17
   LOCATION L0111748     VOLUME   487105.079 3752782.098 483.74
** End of LINE VOLUME Source ID = SEGMENT07
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT08
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0452
** Elevated
** Vertical Dimension = 2.70
** SZINIT = 0.63
** Nodes = 3
** 486074.02, 3753392.72, 494.00, 2.70, 18.01
** 485979.56, 3753190.69, 490.00, 2.70, 18.01
** 485959.38, 3752271.31, 509.00, 2.70, 18.01
** ---------------------------------------------------------------------
   LOCATION L0111749     VOLUME   486069.888 3753383.881 492.66
   LOCATION L0111750     VOLUME   486053.485 3753348.798 491.27
   LOCATION L0111751     VOLUME   486037.083 3753313.715 490.52
   LOCATION L0111752     VOLUME   486020.680 3753278.632 490.29
   LOCATION L0111753     VOLUME   486004.278 3753243.549 490.00
   LOCATION L0111754     VOLUME   485987.875 3753208.466 489.60
   LOCATION L0111755     VOLUME   485979.144 3753171.590 489.02
   LOCATION L0111756     VOLUME   485978.294 3753132.871 488.12
   LOCATION L0111757     VOLUME   485977.445 3753094.153 488.21
   LOCATION L0111758     VOLUME   485976.595 3753055.434 489.37
   LOCATION L0111759     VOLUME   485975.745 3753016.715 490.11
   LOCATION L0111760     VOLUME   485974.895 3752977.997 490.00
   LOCATION L0111761     VOLUME   485974.045 3752939.278 489.00
   LOCATION L0111762     VOLUME   485973.195 3752900.559 489.00
   LOCATION L0111763     VOLUME   485972.345 3752861.841 489.00
   LOCATION L0111764     VOLUME   485971.495 3752823.122 489.00
   LOCATION L0111765     VOLUME   485970.646 3752784.403 488.77
   LOCATION L0111766     VOLUME   485969.796 3752745.684 487.04
   LOCATION L0111767     VOLUME   485968.946 3752706.966 485.22
   LOCATION L0111768     VOLUME   485968.096 3752668.247 486.17
   LOCATION L0111769     VOLUME   485967.246 3752629.528 488.82
   LOCATION L0111770     VOLUME   485966.396 3752590.810 490.12
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   LOCATION L0111771     VOLUME   485965.546 3752552.091 495.23
   LOCATION L0111772     VOLUME   485964.696 3752513.372 496.37
   LOCATION L0111773     VOLUME   485963.846 3752474.654 496.10
   LOCATION L0111774     VOLUME   485962.997 3752435.935 496.42
   LOCATION L0111775     VOLUME   485962.147 3752397.216 498.83
   LOCATION L0111776     VOLUME   485961.297 3752358.498 500.09
   LOCATION L0111777     VOLUME   485960.447 3752319.779 500.68
   LOCATION L0111778     VOLUME   485959.597 3752281.060 501.95
** End of LINE VOLUME Source ID = SEGMENT08
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT11
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.013
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 485510.85, 3754275.79, 515.00, 1.00, 15.74
** 485509.55, 3753074.46, 494.00, 1.00, 15.74
** ---------------------------------------------------------------------
   LOCATION L0112208     VOLUME   485510.839 3754267.258 514.85
   LOCATION L0112209     VOLUME   485510.802 3754233.422 514.26
   LOCATION L0112210     VOLUME   485510.765 3754199.586 513.67
   LOCATION L0112211     VOLUME   485510.729 3754165.750 513.08
   LOCATION L0112212     VOLUME   485510.692 3754131.914 512.48
   LOCATION L0112213     VOLUME   485510.655 3754098.078 511.89
   LOCATION L0112214     VOLUME   485510.619 3754064.242 511.30
   LOCATION L0112215     VOLUME   485510.582 3754030.406 510.71
   LOCATION L0112216     VOLUME   485510.545 3753996.570 510.12
   LOCATION L0112217     VOLUME   485510.509 3753962.734 509.53
   LOCATION L0112218     VOLUME   485510.472 3753928.898 508.94
   LOCATION L0112219     VOLUME   485510.436 3753895.062 508.34
   LOCATION L0112220     VOLUME   485510.399 3753861.226 507.75
   LOCATION L0112221     VOLUME   485510.362 3753827.390 507.16
   LOCATION L0112222     VOLUME   485510.326 3753793.554 506.57
   LOCATION L0112223     VOLUME   485510.289 3753759.718 505.98
   LOCATION L0112224     VOLUME   485510.252 3753725.882 505.39
   LOCATION L0112225     VOLUME   485510.216 3753692.046 504.80
   LOCATION L0112226     VOLUME   485510.179 3753658.210 504.20
   LOCATION L0112227     VOLUME   485510.142 3753624.374 503.61
   LOCATION L0112228     VOLUME   485510.106 3753590.538 503.02
   LOCATION L0112229     VOLUME   485510.069 3753556.702 502.43
   LOCATION L0112230     VOLUME   485510.032 3753522.866 501.84
   LOCATION L0112231     VOLUME   485509.996 3753489.030 501.25
   LOCATION L0112232     VOLUME   485509.959 3753455.194 500.66
   LOCATION L0112233     VOLUME   485509.922 3753421.357 500.06
   LOCATION L0112234     VOLUME   485509.886 3753387.521 499.47
   LOCATION L0112235     VOLUME   485509.849 3753353.685 498.88
   LOCATION L0112236     VOLUME   485509.812 3753319.849 498.29
   LOCATION L0112237     VOLUME   485509.776 3753286.013 497.70
   LOCATION L0112238     VOLUME   485509.739 3753252.177 497.11
   LOCATION L0112239     VOLUME   485509.702 3753218.341 496.52
   LOCATION L0112240     VOLUME   485509.666 3753184.505 495.92
   LOCATION L0112241     VOLUME   485509.629 3753150.669 495.33
   LOCATION L0112242     VOLUME   485509.592 3753116.833 494.74
   LOCATION L0112243     VOLUME   485509.556 3753082.997 494.15
** End of LINE VOLUME Source ID = SEGMENT11
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT12
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.026
** Elevated
** Vertical Dimension = 3.20
** SZINIT = 0.74
** Nodes = 2
** 485533.45, 3755091.71, 532.00, 3.20, 15.63
** 485515.75, 3754268.39, 515.00, 3.20, 15.63
** ---------------------------------------------------------------------
   LOCATION L0112244     VOLUME   485533.265 3755083.180 531.82
   LOCATION L0112245     VOLUME   485532.543 3755049.586 531.13
   LOCATION L0112246     VOLUME   485531.821 3755015.992 530.44
   LOCATION L0112247     VOLUME   485531.099 3754982.399 529.74
   LOCATION L0112248     VOLUME   485530.377 3754948.805 529.05
   LOCATION L0112249     VOLUME   485529.654 3754915.211 528.36
   LOCATION L0112250     VOLUME   485528.932 3754881.617 527.66
   LOCATION L0112251     VOLUME   485528.210 3754848.023 526.97
   LOCATION L0112252     VOLUME   485527.488 3754814.429 526.27
   LOCATION L0112253     VOLUME   485526.766 3754780.835 525.58
   LOCATION L0112254     VOLUME   485526.044 3754747.241 524.89
   LOCATION L0112255     VOLUME   485525.321 3754713.647 524.19
   LOCATION L0112256     VOLUME   485524.599 3754680.053 523.50
   LOCATION L0112257     VOLUME   485523.877 3754646.460 522.81
   LOCATION L0112258     VOLUME   485523.155 3754612.866 522.11
   LOCATION L0112259     VOLUME   485522.433 3754579.272 521.42
   LOCATION L0112260     VOLUME   485521.711 3754545.678 520.73
   LOCATION L0112261     VOLUME   485520.988 3754512.084 520.03
   LOCATION L0112262     VOLUME   485520.266 3754478.490 519.34
   LOCATION L0112263     VOLUME   485519.544 3754444.896 518.64
   LOCATION L0112264     VOLUME   485518.822 3754411.302 517.95
   LOCATION L0112265     VOLUME   485518.100 3754377.708 517.26
   LOCATION L0112266     VOLUME   485517.378 3754344.114 516.56
   LOCATION L0112267     VOLUME   485516.655 3754310.520 515.87
   LOCATION L0112268     VOLUME   485515.933 3754276.927 515.18
** End of LINE VOLUME Source ID = SEGMENT12
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT14
** DESCRSRC
```

```
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0602
** Elevated
** Vertical Dimension = 3.60
** SZINIT = 0.84
** Nodes = 2
** 485503.72, 3755054.30, 532.00, 3.60, 23.83
** 486400.84, 3755050.67, 532.00, 3.60, 23.83
** ----------------------------------------------------------------------
   LOCATION L0111840     VOLUME   485516.820 3755054.250 529.90
   LOCATION L0111841     VOLUME   485568.051 3755054.043 528.58
   LOCATION L0111842     VOLUME   485619.281 3755053.835 530.77
   LOCATION L0111843     VOLUME   485670.512 3755053.628 532.50
   LOCATION L0111844     VOLUME   485721.742 3755053.421 534.25
   LOCATION L0111845     VOLUME   485772.972 3755053.213 531.14
   LOCATION L0111846     VOLUME   485824.203 3755053.006 529.49
   LOCATION L0111847     VOLUME   485875.433 3755052.798 529.85
   LOCATION L0111848     VOLUME   485926.663 3755052.591 530.93
   LOCATION L0111849     VOLUME   485977.894 3755052.384 529.69
   LOCATION L0111850     VOLUME   486029.124 3755052.176 529.39
   LOCATION L0111851     VOLUME   486080.355 3755051.969 529.54
   LOCATION L0111852     VOLUME   486131.585 3755051.761 529.54
   LOCATION L0111853     VOLUME   486182.815 3755051.554 530.26
   LOCATION L0111854     VOLUME   486234.046 3755051.346 527.40
   LOCATION L0111855     VOLUME   486285.276 3755051.139 527.00
   LOCATION L0111856     VOLUME   486336.506 3755050.932 526.50
   LOCATION L0111857     VOLUME   486387.737 3755050.724 527.33
** End of LINE VOLUME Source ID = SEGMENT14
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT15
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0377
** Elevated
** Vertical Dimension = 3.70
** SZINIT = 0.86
** Nodes = 2
** 486385.45, 3755051.87, 530.00, 3.70, 23.51
** 487119.32, 3755045.18, 533.00, 3.70, 23.51
** ----------------------------------------------------------------------
   LOCATION L0112269     VOLUME   486398.558 3755051.755 530.05
   LOCATION L0112270     VOLUME   486449.105 3755051.294 530.26
   LOCATION L0112271     VOLUME   486499.652 3755050.833 530.47
   LOCATION L0112272     VOLUME   486550.198 3755050.372 530.67
   LOCATION L0112273     VOLUME   486600.745 3755049.911 530.88
   LOCATION L0112274     VOLUME   486651.292 3755049.450 531.09
   LOCATION L0112275     VOLUME   486701.838 3755048.989 531.29
   LOCATION L0112276     VOLUME   486752.385 3755048.528 531.50
   LOCATION L0112277     VOLUME   486802.931 3755048.067 531.71
   LOCATION L0112278     VOLUME   486853.478 3755047.607 531.91
   LOCATION L0112279     VOLUME   486904.025 3755047.146 532.12
   LOCATION L0112280     VOLUME   486954.571 3755046.685 532.33
   LOCATION L0112281     VOLUME   487005.118 3755046.224 532.53
   LOCATION L0112282     VOLUME   487055.665 3755045.763 532.74
   LOCATION L0112283     VOLUME   487106.211 3755045.302 532.95
** End of LINE VOLUME Source ID = SEGMENT15
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT18
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.019
** Elevated
** Vertical Dimension = 3.60
** SZINIT = 0.84
** Nodes = 5
** 487138.06, 3755042.91, 533.00, 3.60, 23.38
** 487300.89, 3755033.99, 529.00, 3.60, 23.38
** 487535.10, 3754996.07, 529.00, 3.60, 23.38
** 487711.32, 3755000.53, 525.00, 3.60, 23.38
** 487907.61, 3754947.00, 526.00, 3.60, 23.38
** ----------------------------------------------------------------------
   LOCATION L0111873     VOLUME   487151.146 3755042.194 530.63
   LOCATION L0111874     VOLUME   487201.328 3755039.444 528.00
   LOCATION L0111875     VOLUME   487251.510 3755036.694 528.53
   LOCATION L0111876     VOLUME   487301.683 3755033.861 528.59
   LOCATION L0111877     VOLUME   487351.295 3755025.828 526.03
   LOCATION L0111878     VOLUME   487400.906 3755017.796 524.56
   LOCATION L0111879     VOLUME   487450.518 3755009.764 524.36
   LOCATION L0111880     VOLUME   487500.129 3755001.731 526.00
   LOCATION L0111881     VOLUME   487549.926 3754996.444 528.33
   LOCATION L0111882     VOLUME   487600.167 3754997.716 529.25
   LOCATION L0111883     VOLUME   487650.409 3754998.988 526.24
   LOCATION L0111884     VOLUME   487700.650 3755000.260 522.97
   LOCATION L0111885     VOLUME   487749.509 3754990.115 522.29
   LOCATION L0111886     VOLUME   487797.996 3754976.891 523.27
   LOCATION L0111887     VOLUME   487846.482 3754963.667 524.09
   LOCATION L0111888     VOLUME   487894.969 3754950.444 525.82
** End of LINE VOLUME Source ID = SEGMENT18
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT18A
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0069
** Elevated
** Vertical Dimension = 3.50
```

```
** SZINIT = 0.81
** Nodes = 5
** 487908.51, 3754945.43, 526.00, 3.50, 24.10
** 488040.12, 3754869.59, 520.00, 3.50, 24.10
** 488173.95, 3754769.21, 522.00, 3.50, 24.10
** 488301.10, 3754733.52, 523.00, 3.50, 24.10
** 488497.39, 3754720.14, 526.00, 3.50, 24.10
** ----------------------------------------------------------------------
   LOCATION L0111889     VOLUME   487919.867 3754938.887 524.63
   LOCATION L0111890     VOLUME   487964.761 3754913.016 521.91
   LOCATION L0111891     VOLUME   488009.655 3754887.144 519.81
   LOCATION L0111892     VOLUME   488053.443 3754859.596 519.44
   LOCATION L0111893     VOLUME   488094.895 3754828.507 519.17
   LOCATION L0111894     VOLUME   488136.347 3754797.418 520.48
   LOCATION L0111895     VOLUME   488178.582 3754767.914 521.23
   LOCATION L0111896     VOLUME   488228.469 3754753.911 522.90
   LOCATION L0111897     VOLUME   488278.356 3754739.908 523.05
   LOCATION L0111898     VOLUME   488329.227 3754731.607 521.54
   LOCATION L0111899     VOLUME   488380.922 3754728.082 523.90
   LOCATION L0111900     VOLUME   488432.617 3754724.557 527.97
   LOCATION L0111901     VOLUME   488484.312 3754721.033 524.82
** End of LINE VOLUME Source ID = SEGMENT18A
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT19
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0751
** Elevated
** Vertical Dimension = 3.80
** SZINIT = 0.88
** Nodes = 6
** 487121.55, 3754448.99, 511.00, 3.80, 17.64
** 487583.28, 3754424.46, 510.00, 3.80, 17.64
** 487714.88, 3754428.92, 512.00, 3.80, 17.64
** 487795.18, 3754451.22, 513.00, 3.80, 17.64
** 488303.76, 3754442.30, 511.00, 3.80, 17.64
** 488433.13, 3754346.39, 506.00, 3.80, 17.64
** ----------------------------------------------------------------------
   LOCATION L0111272     VOLUME   487131.288 3754448.475 506.58
   LOCATION L0111273     VOLUME   487169.165 3754446.462 506.00
   LOCATION L0111274     VOLUME   487207.043 3754444.450 508.12
   LOCATION L0111275     VOLUME   487244.921 3754442.437 509.08
   LOCATION L0111276     VOLUME   487282.799 3754440.424 509.78
   LOCATION L0111277     VOLUME   487320.677 3754438.411 509.05
   LOCATION L0111278     VOLUME   487358.555 3754436.398 509.37
   LOCATION L0111279     VOLUME   487396.433 3754434.385 510.45
   LOCATION L0111280     VOLUME   487434.310 3754432.373 509.94
   LOCATION L0111281     VOLUME   487472.188 3754430.360 509.38
   LOCATION L0111282     VOLUME   487510.066 3754428.347 509.95
   LOCATION L0111283     VOLUME   487547.944 3754426.334 510.22
   LOCATION L0111284     VOLUME   487585.824 3754424.543 509.56
   LOCATION L0111285     VOLUME   487623.733 3754425.828 510.12
   LOCATION L0111286     VOLUME   487661.643 3754427.113 510.71
   LOCATION L0111287     VOLUME   487699.553 3754428.398 510.44
   LOCATION L0111288     VOLUME   487736.651 3754434.965 510.81
   LOCATION L0111289     VOLUME   487773.198 3754445.117 510.41
   LOCATION L0111290     VOLUME   487810.295 3754450.958 509.88
   LOCATION L0111291     VOLUME   487848.220 3754450.293 509.77
   LOCATION L0111292     VOLUME   487886.146 3754449.628 508.53
   LOCATION L0111293     VOLUME   487924.071 3754448.962 507.74
   LOCATION L0111294     VOLUME   487961.997 3754448.297 508.40
   LOCATION L0111295     VOLUME   487999.922 3754447.632 509.00
   LOCATION L0111296     VOLUME   488037.848 3754446.966 508.07
   LOCATION L0111297     VOLUME   488075.773 3754446.301 507.15
   LOCATION L0111298     VOLUME   488113.698 3754445.635 508.18
   LOCATION L0111299     VOLUME   488151.624 3754444.970 508.31
   LOCATION L0111300     VOLUME   488189.549 3754444.305 509.27
   LOCATION L0111301     VOLUME   488227.475 3754443.639 510.36
   LOCATION L0111302     VOLUME   488265.400 3754442.974 510.66
   LOCATION L0111303     VOLUME   488303.326 3754442.309 510.94
   LOCATION L0111304     VOLUME   488333.881 3754419.967 509.27
   LOCATION L0111305     VOLUME   488364.352 3754397.376 506.49
   LOCATION L0111306     VOLUME   488394.822 3754374.786 504.46
   LOCATION L0111307     VOLUME   488425.293 3754352.196 504.99
** End of LINE VOLUME Source ID = SEGMENT19
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT20
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0124
** Elevated
** Vertical Dimension = 3.10
** SZINIT = 0.72
** Nodes = 3
** 488428.67, 3754348.62, 506.00, 3.10, 18.04
** 488457.67, 3754308.47, 506.00, 3.10, 18.04
** 488457.67, 3753291.32, 483.00, 3.10, 18.04
** ----------------------------------------------------------------------
   LOCATION L0111308     VOLUME   488434.379 3754340.708 505.31
   LOCATION L0111309     VOLUME   488457.087 3754309.267 506.00
   LOCATION L0111310     VOLUME   488457.666 3754270.671 506.00
   LOCATION L0111311     VOLUME   488457.666 3754231.887 505.06
   LOCATION L0111312     VOLUME   488457.666 3754193.103 501.00
   LOCATION L0111313     VOLUME   488457.666 3754154.319 501.52
   LOCATION L0111314     VOLUME   488457.666 3754115.535 503.63
   LOCATION L0111315     VOLUME   488457.666 3754076.751 502.89
   LOCATION L0111316     VOLUME   488457.666 3754037.968 502.00
   LOCATION L0111317     VOLUME   488457.666 3753999.184 502.00
   LOCATION L0111318     VOLUME   488457.666 3753960.400 502.00
   LOCATION L0111319     VOLUME   488457.666 3753921.616 500.44
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   LOCATION L0111320     VOLUME   488457.666 3753882.832 498.43
   LOCATION L0111321     VOLUME   488457.666 3753844.049 497.13
   LOCATION L0111322     VOLUME   488457.666 3753805.265 496.84
   LOCATION L0111323     VOLUME   488457.666 3753766.481 496.00
   LOCATION L0111324     VOLUME   488457.666 3753727.697 495.26
   LOCATION L0111325     VOLUME   488457.666 3753688.913 493.93
   LOCATION L0111326     VOLUME   488457.666 3753650.130 491.01
   LOCATION L0111327     VOLUME   488457.666 3753611.346 488.38
   LOCATION L0111328     VOLUME   488457.666 3753572.562 488.00
   LOCATION L0111329     VOLUME   488457.666 3753533.778 488.00
   LOCATION L0111330     VOLUME   488457.666 3753494.994 488.00
   LOCATION L0111331     VOLUME   488457.666 3753456.211 487.21
   LOCATION L0111332     VOLUME   488457.666 3753417.427 485.91
   LOCATION L0111333     VOLUME   488457.666 3753378.643 485.38
   LOCATION L0111334     VOLUME   488457.666 3753339.859 483.99
   LOCATION L0111335     VOLUME   488457.666 3753301.075 482.04
** End of LINE VOLUME Source ID = SEGMENT20
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT21
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0614
** Elevated
** Vertical Dimension = 3.50
** SZINIT = 0.81
** Nodes = 2
** 487098.48, 3753294.03, 491.00, 3.50, 22.81
** 487762.08, 3753289.01, 485.00, 3.50, 22.81
** ---------------------------------------------------------------------
   LOCATION L0112284     VOLUME   487111.587 3753293.935 490.88
   LOCATION L0112285     VOLUME   487160.618 3753293.563 490.44
   LOCATION L0112286     VOLUME   487209.648 3753293.192 489.99
   LOCATION L0112287     VOLUME   487258.678 3753292.820 489.55
   LOCATION L0112288     VOLUME   487307.708 3753292.449 489.11
   LOCATION L0112289     VOLUME   487356.738 3753292.077 488.66
   LOCATION L0112290     VOLUME   487405.769 3753291.706 488.22
   LOCATION L0112291     VOLUME   487454.799 3753291.335 487.78
   LOCATION L0112292     VOLUME   487503.829 3753290.963 487.34
   LOCATION L0112293     VOLUME   487552.859 3753290.592 486.89
   LOCATION L0112294     VOLUME   487601.890 3753290.220 486.45
   LOCATION L0112295     VOLUME   487650.920 3753289.849 486.01
   LOCATION L0112296     VOLUME   487699.950 3753289.477 485.56
   LOCATION L0112297     VOLUME   487748.980 3753289.106 485.12
** End of LINE VOLUME Source ID = SEGMENT21
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT22
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0648
** Elevated
** Vertical Dimension = 3.60
** SZINIT = 0.84
** Nodes = 2
** 487752.03, 3753289.01, 485.00, 3.60, 24.24
** 488455.85, 3753289.01, 483.00, 3.60, 24.24
** ---------------------------------------------------------------------
   LOCATION L0111916     VOLUME   487765.135 3753289.007 484.00
   LOCATION L0111917     VOLUME   487817.259 3753289.007 485.27
   LOCATION L0111918     VOLUME   487869.383 3753289.007 483.15
   LOCATION L0111919     VOLUME   487921.507 3753289.007 482.97
   LOCATION L0111920     VOLUME   487973.631 3753289.007 484.84
   LOCATION L0111921     VOLUME   488025.755 3753289.007 485.63
   LOCATION L0111922     VOLUME   488077.879 3753289.007 485.37
   LOCATION L0111923     VOLUME   488130.002 3753289.007 485.63
   LOCATION L0111924     VOLUME   488182.126 3753289.007 485.63
   LOCATION L0111925     VOLUME   488234.250 3753289.007 486.33
   LOCATION L0111926     VOLUME   488286.374 3753289.007 484.87
   LOCATION L0111927     VOLUME   488338.498 3753289.007 484.37
   LOCATION L0111928     VOLUME   488390.622 3753289.007 484.55
   LOCATION L0111929     VOLUME   488442.746 3753289.007 483.27
** End of LINE VOLUME Source ID = SEGMENT22
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT23
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0347
** Elevated
** Vertical Dimension = 3.60
** SZINIT = 0.84
** Nodes = 2
** 488445.80, 3753299.06, 484.00, 3.60, 18.10
** 488450.82, 3752851.63, 480.00, 3.60, 18.10
** ---------------------------------------------------------------------
   LOCATION L0111364     VOLUME   488445.906 3753289.307 481.64
   LOCATION L0111365     VOLUME   488446.343 3753250.405 481.00
   LOCATION L0111366     VOLUME   488446.780 3753211.503 480.05
   LOCATION L0111367     VOLUME   488447.217 3753172.601 479.00
   LOCATION L0111368     VOLUME   488447.654 3753133.700 478.46
   LOCATION L0111369     VOLUME   488448.091 3753094.798 478.00
   LOCATION L0111370     VOLUME   488448.528 3753055.896 477.00
   LOCATION L0111371     VOLUME   488448.966 3753016.994 477.00
   LOCATION L0111372     VOLUME   488449.403 3752978.092 477.73
   LOCATION L0111373     VOLUME   488449.840 3752939.190 478.97
   LOCATION L0111374     VOLUME   488450.277 3752900.289 478.00
   LOCATION L0111375     VOLUME   488450.714 3752861.387 478.00
** End of LINE VOLUME Source ID = SEGMENT23
** ---------------------------------------------------------------------
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** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT24
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0764
** Elevated
** Vertical Dimension = 3.40
** SZINIT = 0.79
** Nodes = 2
** 488450.82, 3753299.06, 483.00, 3.40, 23.53
** 489893.66, 3753294.03, 493.00, 3.40, 23.53
** ---------------------------------------------------------------------
   LOCATION L0111376     VOLUME   488463.928 3753299.016 481.83
   LOCATION L0111377     VOLUME   488514.522 3753298.839 480.92
   LOCATION L0111378     VOLUME   488565.116 3753298.663 482.30
   LOCATION L0111379     VOLUME   488615.709 3753298.487 484.06
   LOCATION L0111380     VOLUME   488666.303 3753298.310 483.24
   LOCATION L0111381     VOLUME   488716.897 3753298.134 482.04
   LOCATION L0111382     VOLUME   488767.490 3753297.958 482.14
   LOCATION L0111383     VOLUME   488818.084 3753297.782 481.14
   LOCATION L0111384     VOLUME   488868.678 3753297.605 482.05
   LOCATION L0111385     VOLUME   488919.271 3753297.429 483.39
   LOCATION L0111386     VOLUME   488969.865 3753297.253 485.90
   LOCATION L0111387     VOLUME   489020.459 3753297.076 484.22
   LOCATION L0111388     VOLUME   489071.052 3753296.900 484.83
   LOCATION L0111389     VOLUME   489121.646 3753296.724 484.90
   LOCATION L0111390     VOLUME   489172.240 3753296.548 486.48
   LOCATION L0111391     VOLUME   489222.833 3753296.371 491.61
   LOCATION L0111392     VOLUME   489273.427 3753296.195 494.43
   LOCATION L0111393     VOLUME   489324.020 3753296.019 490.50
   LOCATION L0111394     VOLUME   489374.614 3753295.842 489.14
   LOCATION L0111395     VOLUME   489425.208 3753295.666 490.32
   LOCATION L0111396     VOLUME   489475.801 3753295.490 490.16
   LOCATION L0111397     VOLUME   489526.395 3753295.314 490.47
   LOCATION L0111398     VOLUME   489576.989 3753295.137 493.03
   LOCATION L0111399     VOLUME   489627.582 3753294.961 493.36
   LOCATION L0111400     VOLUME   489678.176 3753294.785 495.58
   LOCATION L0111401     VOLUME   489728.770 3753294.608 496.83
   LOCATION L0111402     VOLUME   489779.363 3753294.432 493.43
   LOCATION L0111403     VOLUME   489829.957 3753294.256 489.16
   LOCATION L0111404     VOLUME   489880.551 3753294.080 491.63
** End of LINE VOLUME Source ID = SEGMENT24
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT25
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0346
** Elevated
** Vertical Dimension = 3.60
** SZINIT = 0.84
** Nodes = 3
** 489888.63, 3753289.01, 493.00, 3.60, 22.24
** 489959.01, 3753319.17, 494.00, 3.60, 22.24
** 490099.77, 3753444.85, 504.00, 3.60, 22.24
** ---------------------------------------------------------------------
   LOCATION L0112298     VOLUME   489900.674 3753294.169 493.17
   LOCATION L0112299     VOLUME   489944.622 3753313.004 493.80
   LOCATION L0112300     VOLUME   489983.000 3753340.589 495.70
   LOCATION L0112301     VOLUME   490018.666 3753372.434 498.24
   LOCATION L0112302     VOLUME   490054.332 3753404.279 500.77
   LOCATION L0112303     VOLUME   490089.999 3753436.124 503.31
** End of LINE VOLUME Source ID = SEGMENT25
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT26
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0317
** Elevated
** Vertical Dimension = 3.70
** SZINIT = 0.86
** Nodes = 2
** 489898.68, 3753289.01, 493.00, 3.70, 15.51
** 489903.71, 3752871.74, 482.00, 3.70, 15.51
** ---------------------------------------------------------------------
   LOCATION L0111411     VOLUME   489898.786 3753280.472 492.29
   LOCATION L0111412     VOLUME   489899.187 3753247.123 490.45
   LOCATION L0111413     VOLUME   489899.589 3753213.773 488.25
   LOCATION L0111414     VOLUME   489899.991 3753180.423 487.01
   LOCATION L0111415     VOLUME   489900.393 3753147.074 488.28
   LOCATION L0111416     VOLUME   489900.795 3753113.724 490.99
   LOCATION L0111417     VOLUME   489901.196 3753080.374 490.63
   LOCATION L0111418     VOLUME   489901.598 3753047.024 489.03
   LOCATION L0111419     VOLUME   489902.000 3753013.675 487.32
   LOCATION L0111420     VOLUME   489902.402 3752980.325 486.24
   LOCATION L0111421     VOLUME   489902.804 3752946.975 484.59
   LOCATION L0111422     VOLUME   489903.205 3752913.626 482.46
   LOCATION L0111423     VOLUME   489903.607 3752880.276 480.38
** End of LINE VOLUME Source ID = SEGMENT26
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT27
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0187
** Elevated
** Vertical Dimension = 3.70
```

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** SZINIT = 0.86
** Nodes = 2
** 489908.74, 3752866.71, 482.00, 3.70, 15.35
** 490255.62, 3752876.77, 483.00, 3.70, 15.35
** ---------------------------------------------------------------------
   LOCATION L0110727     VOLUME   489917.269 3752866.962 481.66
   LOCATION L0110728     VOLUME   489950.251 3752867.918 483.00
   LOCATION L0110729     VOLUME   489983.233 3752868.874 484.03
   LOCATION L0110730     VOLUME   490016.215 3752869.830 484.90
   LOCATION L0110731     VOLUME   490049.197 3752870.786 486.05
   LOCATION L0110732     VOLUME   490082.179 3752871.742 485.72
   LOCATION L0110733     VOLUME   490115.161 3752872.698 485.89
   LOCATION L0110734     VOLUME   490148.143 3752873.654 486.58
   LOCATION L0110735     VOLUME   490181.125 3752874.610 486.03
   LOCATION L0110736     VOLUME   490214.107 3752875.566 484.13
   LOCATION L0110737     VOLUME   490247.089 3752876.522 482.55
** End of LINE VOLUME Source ID = SEGMENT27
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT28
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0468
** Elevated
** Vertical Dimension = 3.70
** SZINIT = 0.86
** Nodes = 3
** 488445.80, 3752856.66, 479.00, 3.70, 15.60
** 489023.93, 3752886.82, 482.00, 3.70, 15.60
** 489903.71, 3752871.74, 482.00, 3.70, 15.60
** ---------------------------------------------------------------------
   LOCATION L0111424     VOLUME   488454.320 3752857.104 478.00
   LOCATION L0111425     VOLUME   488487.803 3752858.851 478.65
   LOCATION L0111426     VOLUME   488521.287 3752860.598 477.56
   LOCATION L0111427     VOLUME   488554.771 3752862.345 475.49
   LOCATION L0111428     VOLUME   488588.255 3752864.092 475.28
   LOCATION L0111429     VOLUME   488621.738 3752865.839 476.58
   LOCATION L0111430     VOLUME   488655.222 3752867.586 478.01
   LOCATION L0111431     VOLUME   488688.706 3752869.333 478.46
   LOCATION L0111432     VOLUME   488722.190 3752871.080 477.56
   LOCATION L0111433     VOLUME   488755.673 3752872.827 477.44
   LOCATION L0111434     VOLUME   488789.157 3752874.574 478.33
   LOCATION L0111435     VOLUME   488822.641 3752876.321 478.23
   LOCATION L0111436     VOLUME   488856.125 3752878.068 478.05
   LOCATION L0111437     VOLUME   488889.608 3752879.815 478.00
   LOCATION L0111438     VOLUME   488923.092 3752881.562 477.67
   LOCATION L0111439     VOLUME   488956.576 3752883.309 478.20
   LOCATION L0111440     VOLUME   488990.060 3752885.056 479.67
   LOCATION L0111441     VOLUME   489023.543 3752886.803 481.39
   LOCATION L0111442     VOLUME   489057.067 3752886.256 482.69
   LOCATION L0111443     VOLUME   489090.592 3752885.681 481.79
   LOCATION L0111444     VOLUME   489124.116 3752885.106 480.72
   LOCATION L0111445     VOLUME   489157.640 3752884.531 479.78
   LOCATION L0111446     VOLUME   489191.165 3752883.957 478.81
   LOCATION L0111447     VOLUME   489224.689 3752883.382 478.66
   LOCATION L0111448     VOLUME   489258.213 3752882.807 479.70
   LOCATION L0111449     VOLUME   489291.738 3752882.233 480.07
   LOCATION L0111450     VOLUME   489325.262 3752881.658 480.06
   LOCATION L0111451     VOLUME   489358.787 3752881.083 480.07
   LOCATION L0111452     VOLUME   489392.311 3752880.508 480.03
   LOCATION L0111453     VOLUME   489425.835 3752879.934 480.19
   LOCATION L0111454     VOLUME   489459.360 3752879.359 481.26
   LOCATION L0111455     VOLUME   489492.884 3752878.784 481.90
   LOCATION L0111456     VOLUME   489526.408 3752878.210 481.91
   LOCATION L0111457     VOLUME   489559.933 3752877.635 482.48
   LOCATION L0111458     VOLUME   489593.457 3752877.060 483.49
   LOCATION L0111459     VOLUME   489626.981 3752876.486 484.65
   LOCATION L0111460     VOLUME   489660.506 3752875.911 484.85
   LOCATION L0111461     VOLUME   489694.030 3752875.336 483.84
   LOCATION L0111462     VOLUME   489727.555 3752874.761 484.12
   LOCATION L0111463     VOLUME   489761.079 3752874.187 485.30
   LOCATION L0111464     VOLUME   489794.603 3752873.612 484.92
   LOCATION L0111465     VOLUME   489828.128 3752873.037 482.79
   LOCATION L0111466     VOLUME   489861.652 3752872.463 480.74
   LOCATION L0111467     VOLUME   489895.176 3752871.888 480.27
** End of LINE VOLUME Source ID = SEGMENT28
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT29
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.0741
** Elevated
** Vertical Dimension = 3.70
** SZINIT = 0.86
** Nodes = 2
** 488254.11, 3755298.30, 548.00, 3.70, 9.20
** 488465.26, 3754775.46, 527.00, 3.70, 9.20
** ---------------------------------------------------------------------
   LOCATION L0112304     VOLUME   488256.001 3755293.618 547.81
   LOCATION L0112305     VOLUME   488263.407 3755275.280 547.08
   LOCATION L0112306     VOLUME   488270.813 3755256.941 546.34
   LOCATION L0112307     VOLUME   488278.219 3755238.603 545.60
   LOCATION L0112308     VOLUME   488285.625 3755220.265 544.87
   LOCATION L0112309     VOLUME   488293.031 3755201.926 544.13
   LOCATION L0112310     VOLUME   488300.437 3755183.588 543.39
   LOCATION L0112311     VOLUME   488307.843 3755165.250 542.66
   LOCATION L0112312     VOLUME   488315.248 3755146.911 541.92
   LOCATION L0112313     VOLUME   488322.654 3755128.573 541.18
   LOCATION L0112314     VOLUME   488330.060 3755110.235 540.45
   LOCATION L0112315     VOLUME   488337.466 3755091.896 539.71
   LOCATION L0112316     VOLUME   488344.872 3755073.558 538.97
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   LOCATION L0112317     VOLUME   488352.278 3755055.220 538.24
   LOCATION L0112318     VOLUME   488359.684 3755036.881 537.50
   LOCATION L0112319     VOLUME   488367.089 3755018.543 536.76
   LOCATION L0112320     VOLUME   488374.495 3755000.205 536.03
   LOCATION L0112321     VOLUME   488381.901 3754981.866 535.29
   LOCATION L0112322     VOLUME   488389.307 3754963.528 534.55
   LOCATION L0112323     VOLUME   488396.713 3754945.190 533.82
   LOCATION L0112324     VOLUME   488404.119 3754926.851 533.08
   LOCATION L0112325     VOLUME   488411.525 3754908.513 532.34
   LOCATION L0112326     VOLUME   488418.930 3754890.175 531.61
   LOCATION L0112327     VOLUME   488426.336 3754871.837 530.87
   LOCATION L0112328     VOLUME   488433.742 3754853.498 530.13
   LOCATION L0112329     VOLUME   488441.148 3754835.160 529.40
   LOCATION L0112330     VOLUME   488448.554 3754816.822 528.66
   LOCATION L0112331     VOLUME   488455.960 3754798.483 527.92
   LOCATION L0112332     VOLUME   488463.366 3754780.145 527.19
** End of LINE VOLUME Source ID = SEGMENT29
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT30
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.304
** Elevated
** Vertical Dimension = 3.70
** SZINIT = 0.86
** Nodes = 4
** 488465.58, 3754780.49, 527.00, 3.70, 9.32
** 488732.03, 3754307.92, 516.00, 3.70, 9.32
** 488963.28, 3754116.89, 511.00, 3.70, 9.32
** 490099.45, 3753423.12, 503.00, 3.70, 9.32
** ---------------------------------------------------------------------
   LOCATION L0112333     VOLUME   488468.061 3754776.091 526.90
   LOCATION L0112334     VOLUME   488477.900 3754758.640 526.49
   LOCATION L0112335     VOLUME   488487.740 3754741.189 526.09
   LOCATION L0112336     VOLUME   488497.579 3754723.739 525.68
   LOCATION L0112337     VOLUME   488507.418 3754706.288 525.27
   LOCATION L0112338     VOLUME   488517.257 3754688.838 524.87
   LOCATION L0112339     VOLUME   488527.096 3754671.387 524.46
   LOCATION L0112340     VOLUME   488536.935 3754653.936 524.05
   LOCATION L0112341     VOLUME   488546.775 3754636.486 523.65
   LOCATION L0112342     VOLUME   488556.614 3754619.035 523.24
   LOCATION L0112343     VOLUME   488566.453 3754601.585 522.84
   LOCATION L0112344     VOLUME   488576.292 3754584.134 522.43
   LOCATION L0112345     VOLUME   488586.131 3754566.683 522.02
   LOCATION L0112346     VOLUME   488595.971 3754549.233 521.62
   LOCATION L0112347     VOLUME   488605.810 3754531.782 521.21
   LOCATION L0112348     VOLUME   488615.649 3754514.331 520.80
   LOCATION L0112349     VOLUME   488625.488 3754496.881 520.40
   LOCATION L0112350     VOLUME   488635.327 3754479.430 519.99
   LOCATION L0112351     VOLUME   488645.166 3754461.980 519.59
   LOCATION L0112352     VOLUME   488655.006 3754444.529 519.18
   LOCATION L0112353     VOLUME   488664.845 3754427.078 518.77
   LOCATION L0112354     VOLUME   488674.684 3754409.628 518.37
   LOCATION L0112355     VOLUME   488684.523 3754392.177 517.96
   LOCATION L0112356     VOLUME   488694.362 3754374.727 517.55
   LOCATION L0112357     VOLUME   488704.201 3754357.276 517.15
   LOCATION L0112358     VOLUME   488714.041 3754339.825 516.74
   LOCATION L0112359     VOLUME   488723.880 3754322.375 516.34
   LOCATION L0112360     VOLUME   488734.683 3754305.731 515.94
   LOCATION L0112361     VOLUME   488750.128 3754292.972 515.61
   LOCATION L0112362     VOLUME   488765.573 3754280.213 515.27
   LOCATION L0112363     VOLUME   488781.018 3754267.454 514.94
   LOCATION L0112364     VOLUME   488796.462 3754254.695 514.61
   LOCATION L0112365     VOLUME   488811.907 3754241.937 514.27
   LOCATION L0112366     VOLUME   488827.352 3754229.178 513.94
   LOCATION L0112367     VOLUME   488842.797 3754216.419 513.61
   LOCATION L0112368     VOLUME   488858.242 3754203.660 513.27
   LOCATION L0112369     VOLUME   488873.687 3754190.901 512.94
   LOCATION L0112370     VOLUME   488889.132 3754178.142 512.60
   LOCATION L0112371     VOLUME   488904.577 3754165.384 512.27
   LOCATION L0112372     VOLUME   488920.022 3754152.625 511.94
   LOCATION L0112373     VOLUME   488935.467 3754139.866 511.60
   LOCATION L0112374     VOLUME   488950.912 3754127.107 511.27
   LOCATION L0112375     VOLUME   488966.685 3754114.810 510.98
   LOCATION L0112376     VOLUME   488983.783 3754104.369 510.86
   LOCATION L0112377     VOLUME   489000.881 3754093.929 510.74
   LOCATION L0112378     VOLUME   489017.979 3754083.489 510.61
   LOCATION L0112379     VOLUME   489035.077 3754073.049 510.49
   LOCATION L0112380     VOLUME   489052.174 3754062.608 510.37
   LOCATION L0112381     VOLUME   489069.272 3754052.168 510.25
   LOCATION L0112382     VOLUME   489086.370 3754041.728 510.13
   LOCATION L0112383     VOLUME   489103.468 3754031.288 510.01
   LOCATION L0112384     VOLUME   489120.566 3754020.847 509.89
   LOCATION L0112385     VOLUME   489137.663 3754010.407 509.77
   LOCATION L0112386     VOLUME   489154.761 3753999.967 509.65
   LOCATION L0112387     VOLUME   489171.859 3753989.527 509.53
   LOCATION L0112388     VOLUME   489188.957 3753979.086 509.41
   LOCATION L0112389     VOLUME   489206.055 3753968.646 509.29
   LOCATION L0112390     VOLUME   489223.152 3753958.206 509.17
   LOCATION L0112391     VOLUME   489240.250 3753947.766 509.05
   LOCATION L0112392     VOLUME   489257.348 3753937.325 508.93
   LOCATION L0112393     VOLUME   489274.446 3753926.885 508.81
   LOCATION L0112394     VOLUME   489291.544 3753916.445 508.69
   LOCATION L0112395     VOLUME   489308.641 3753906.005 508.57
   LOCATION L0112396     VOLUME   489325.739 3753895.564 508.45
   LOCATION L0112397     VOLUME   489342.837 3753885.124 508.33
   LOCATION L0112398     VOLUME   489359.935 3753874.684 508.21
   LOCATION L0112399     VOLUME   489377.033 3753864.244 508.09
   LOCATION L0112400     VOLUME   489394.130 3753853.803 507.97
   LOCATION L0112401     VOLUME   489411.228 3753843.363 507.85
   LOCATION L0112402     VOLUME   489428.326 3753832.923 507.73
   LOCATION L0112403     VOLUME   489445.424 3753822.483 507.61
   LOCATION L0112404     VOLUME   489462.522 3753812.042 507.48
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   LOCATION L0112405     VOLUME   489479.619 3753801.602 507.36
   LOCATION L0112406     VOLUME   489496.717 3753791.162 507.24
   LOCATION L0112407     VOLUME   489513.815 3753780.722 507.12
   LOCATION L0112408     VOLUME   489530.913 3753770.281 507.00
   LOCATION L0112409     VOLUME   489548.011 3753759.841 506.88
   LOCATION L0112410     VOLUME   489565.108 3753749.401 506.76
   LOCATION L0112411     VOLUME   489582.206 3753738.961 506.64
   LOCATION L0112412     VOLUME   489599.304 3753728.520 506.52
   LOCATION L0112413     VOLUME   489616.402 3753718.080 506.40
   LOCATION L0112414     VOLUME   489633.500 3753707.640 506.28
   LOCATION L0112415     VOLUME   489650.597 3753697.200 506.16
   LOCATION L0112416     VOLUME   489667.695 3753686.759 506.04
   LOCATION L0112417     VOLUME   489684.793 3753676.319 505.92
   LOCATION L0112418     VOLUME   489701.891 3753665.879 505.80
   LOCATION L0112419     VOLUME   489718.988 3753655.439 505.68
   LOCATION L0112420     VOLUME   489736.086 3753644.998 505.56
   LOCATION L0112421     VOLUME   489753.184 3753634.558 505.44
   LOCATION L0112422     VOLUME   489770.282 3753624.118 505.32
   LOCATION L0112423     VOLUME   489787.380 3753613.678 505.20
   LOCATION L0112424     VOLUME   489804.477 3753603.238 505.08
   LOCATION L0112425     VOLUME   489821.575 3753592.797 504.96
   LOCATION L0112426     VOLUME   489838.673 3753582.357 504.84
   LOCATION L0112427     VOLUME   489855.771 3753571.917 504.72
   LOCATION L0112428     VOLUME   489872.869 3753561.477 504.60
   LOCATION L0112429     VOLUME   489889.966 3753551.036 504.48
   LOCATION L0112430     VOLUME   489907.064 3753540.596 504.35
   LOCATION L0112431     VOLUME   489924.162 3753530.156 504.23
   LOCATION L0112432     VOLUME   489941.260 3753519.716 504.11
   LOCATION L0112433     VOLUME   489958.358 3753509.275 503.99
   LOCATION L0112434     VOLUME   489975.455 3753498.835 503.87
   LOCATION L0112435     VOLUME   489992.553 3753488.395 503.75
   LOCATION L0112436     VOLUME   490009.651 3753477.955 503.63
   LOCATION L0112437     VOLUME   490026.749 3753467.514 503.51
   LOCATION L0112438     VOLUME   490043.847 3753457.074 503.39
   LOCATION L0112439     VOLUME   490060.944 3753446.634 503.27
   LOCATION L0112440     VOLUME   490078.042 3753436.194 503.15
   LOCATION L0112441     VOLUME   490095.140 3753425.753 503.03
** End of LINE VOLUME Source ID = SEGMENT30
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT31
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.0746
** Elevated
** Vertical Dimension = 3.20
** SZINIT = 0.74
** Nodes = 3
** 490099.77, 3753444.85, 504.00, 3.20, 9.38
** 490652.78, 3753118.08, 492.00, 3.20, 9.38
** 491195.72, 3752374.04, 463.00, 3.20, 9.38
** ----------------------------------------------------------------------
   LOCATION L0112442     VOLUME   490104.122 3753442.284 503.91
   LOCATION L0112443     VOLUME   490121.489 3753432.021 503.53
   LOCATION L0112444     VOLUME   490138.857 3753421.758 503.15
   LOCATION L0112445     VOLUME   490156.224 3753411.496 502.78
   LOCATION L0112446     VOLUME   490173.592 3753401.233 502.40
   LOCATION L0112447     VOLUME   490190.959 3753390.971 502.02
   LOCATION L0112448     VOLUME   490208.326 3753380.708 501.64
   LOCATION L0112449     VOLUME   490225.694 3753370.446 501.27
   LOCATION L0112450     VOLUME   490243.061 3753360.183 500.89
   LOCATION L0112451     VOLUME   490260.428 3753349.921 500.51
   LOCATION L0112452     VOLUME   490277.796 3753339.658 500.14
   LOCATION L0112453     VOLUME   490295.163 3753329.396 499.76
   LOCATION L0112454     VOLUME   490312.530 3753319.133 499.38
   LOCATION L0112455     VOLUME   490329.898 3753308.871 499.01
   LOCATION L0112456     VOLUME   490347.265 3753298.608 498.63
   LOCATION L0112457     VOLUME   490364.633 3753288.345 498.25
   LOCATION L0112458     VOLUME   490382.000 3753278.083 497.88
   LOCATION L0112459     VOLUME   490399.367 3753267.820 497.50
   LOCATION L0112460     VOLUME   490416.735 3753257.558 497.12
   LOCATION L0112461     VOLUME   490434.102 3753247.295 496.75
   LOCATION L0112462     VOLUME   490451.469 3753237.033 496.37
   LOCATION L0112463     VOLUME   490468.837 3753226.770 495.99
   LOCATION L0112464     VOLUME   490486.204 3753216.508 495.61
   LOCATION L0112465     VOLUME   490503.572 3753206.245 495.24
   LOCATION L0112466     VOLUME   490520.939 3753195.983 494.86
   LOCATION L0112467     VOLUME   490538.306 3753185.720 494.48
   LOCATION L0112468     VOLUME   490555.674 3753175.458 494.11
   LOCATION L0112469     VOLUME   490573.041 3753165.195 493.73
   LOCATION L0112470     VOLUME   490590.408 3753154.933 493.35
   LOCATION L0112471     VOLUME   490607.776 3753144.670 492.98
   LOCATION L0112472     VOLUME   490625.143 3753134.407 492.60
   LOCATION L0112473     VOLUME   490642.510 3753124.145 492.22
   LOCATION L0112474     VOLUME   490657.639 3753111.415 491.74
   LOCATION L0112475     VOLUME   490669.530 3753095.120 491.11
   LOCATION L0112476     VOLUME   490681.421 3753078.825 490.47
   LOCATION L0112477     VOLUME   490693.313 3753062.529 489.83
   LOCATION L0112478     VOLUME   490705.204 3753046.234 489.20
   LOCATION L0112479     VOLUME   490717.095 3753029.938 488.56
   LOCATION L0112480     VOLUME   490728.986 3753013.643 487.93
   LOCATION L0112481     VOLUME   490740.878 3752997.347 487.29
   LOCATION L0112482     VOLUME   490752.769 3752981.052 486.66
   LOCATION L0112483     VOLUME   490764.660 3752964.756 486.02
   LOCATION L0112484     VOLUME   490776.552 3752948.461 485.39
   LOCATION L0112485     VOLUME   490788.443 3752932.165 484.75
   LOCATION L0112486     VOLUME   490800.334 3752915.870 484.12
   LOCATION L0112487     VOLUME   490812.225 3752899.574 483.48
   LOCATION L0112488     VOLUME   490824.117 3752883.279 482.85
   LOCATION L0112489     VOLUME   490836.008 3752866.983 482.21
   LOCATION L0112490     VOLUME   490847.899 3752850.688 481.58
   LOCATION L0112491     VOLUME   490859.791 3752834.392 480.94
   LOCATION L0112492     VOLUME   490871.682 3752818.097 480.31
   LOCATION L0112493     VOLUME   490883.573 3752801.802 479.67
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   LOCATION L0112494     VOLUME   490895.464 3752785.506 479.04
   LOCATION L0112495     VOLUME   490907.356 3752769.211 478.40
   LOCATION L0112496     VOLUME   490919.247 3752752.915 477.77
   LOCATION L0112497     VOLUME   490931.138 3752736.620 477.13
   LOCATION L0112498     VOLUME   490943.030 3752720.324 476.50
   LOCATION L0112499     VOLUME   490954.921 3752704.029 475.86
   LOCATION L0112500     VOLUME   490966.812 3752687.733 475.23
   LOCATION L0112501     VOLUME   490978.703 3752671.438 474.59
   LOCATION L0112502     VOLUME   490990.595 3752655.142 473.96
   LOCATION L0112503     VOLUME   491002.486 3752638.847 473.32
   LOCATION L0112504     VOLUME   491014.377 3752622.551 472.69
   LOCATION L0112505     VOLUME   491026.269 3752606.256 472.05
   LOCATION L0112506     VOLUME   491038.160 3752589.960 471.42
   LOCATION L0112507     VOLUME   491050.051 3752573.665 470.78
   LOCATION L0112508     VOLUME   491061.942 3752557.370 470.15
   LOCATION L0112509     VOLUME   491073.834 3752541.074 469.51
   LOCATION L0112510     VOLUME   491085.725 3752524.779 468.88
   LOCATION L0112511     VOLUME   491097.616 3752508.483 468.24
   LOCATION L0112512     VOLUME   491109.508 3752492.188 467.60
   LOCATION L0112513     VOLUME   491121.399 3752475.892 466.97
   LOCATION L0112514     VOLUME   491133.290 3752459.597 466.33
   LOCATION L0112515     VOLUME   491145.181 3752443.301 465.70
   LOCATION L0112516     VOLUME   491157.073 3752427.006 465.06
   LOCATION L0112517     VOLUME   491168.964 3752410.710 464.43
   LOCATION L0112518     VOLUME   491180.855 3752394.415 463.79
   LOCATION L0112519     VOLUME   491192.747 3752378.119 463.16
** End of LINE VOLUME Source ID = SEGMENT31
   LOCATION PHASE2       AREAPOLY   485955.126  3753354.752      492.230
** Source Parameters **
   SRCPARAM PHASE1        3.22E-07     3.900        11
   AREAVERT PHASE1       485577.456 3755020.364 485577.456 3753474.160
   AREAVERT PHASE1       485908.786 3753474.160 485923.846 3753288.414
   AREAVERT PHASE1       486892.734 3753283.394 487138.721 3753248.253
   AREAVERT PHASE1       488479.099 3753223.153 488464.038 3754287.423
   AREAVERT PHASE1       488107.608 3754729.196 487153.781 3754759.316
   AREAVERT PHASE1       487138.721 3755010.324
** LINE VOLUME Source ID = SEGMENT01
   SRCPARAM L0112152       0.01135      3.70     27.35      0.86
   SRCPARAM L0112153       0.01135      3.70     27.35      0.86
   SRCPARAM L0112154       0.01135      3.70     27.35      0.86
   SRCPARAM L0112155       0.01135      3.70     27.35      0.86
   SRCPARAM L0112156       0.01135      3.70     27.35      0.86
   SRCPARAM L0112157       0.01135      3.70     27.35      0.86
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT02
   SRCPARAM L0112158        0.0274      3.70     30.03      0.86
   SRCPARAM L0112159        0.0274      3.70     30.03      0.86
   SRCPARAM L0112160        0.0274      3.70     30.03      0.86
   SRCPARAM L0112161        0.0274      3.70     30.03      0.86
   SRCPARAM L0112162        0.0274      3.70     30.03      0.86
   SRCPARAM L0112163        0.0274      3.70     30.03      0.86
   SRCPARAM L0112164        0.0274      3.70     30.03      0.86
   SRCPARAM L0112165        0.0274      3.70     30.03      0.86
   SRCPARAM L0112166        0.0274      3.70     30.03      0.86
   SRCPARAM L0112167        0.0274      3.70     30.03      0.86
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT03
   SRCPARAM L0111014     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111015     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111016     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111017     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111018     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111019     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111020     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111021     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111022     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111023     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111024     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111025     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111026     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111027     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111028     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111029     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111030     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111031     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111032     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111033     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111034     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111035     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111036     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111037     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111038     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111039     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111040     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111041     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111042     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111043     0.0063870968      3.70     18.01      0.86
   SRCPARAM L0111044     0.0063870968      3.70     18.01      0.86
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT04
   SRCPARAM L0111045      0.000644      2.80     17.72      0.65
   SRCPARAM L0111046      0.000644      2.80     17.72      0.65
   SRCPARAM L0111047      0.000644      2.80     17.72      0.65
   SRCPARAM L0111048      0.000644      2.80     17.72      0.65
   SRCPARAM L0111049      0.000644      2.80     17.72      0.65
   SRCPARAM L0111050      0.000644      2.80     17.72      0.65
   SRCPARAM L0111051      0.000644      2.80     17.72      0.65
   SRCPARAM L0111052      0.000644      2.80     17.72      0.65
   SRCPARAM L0111053      0.000644      2.80     17.72      0.65
   SRCPARAM L0111054      0.000644      2.80     17.72      0.65
   SRCPARAM L0111055      0.000644      2.80     17.72      0.65
   SRCPARAM L0111056      0.000644      2.80     17.72      0.65
   SRCPARAM L0111057      0.000644      2.80     17.72      0.65
   SRCPARAM L0111058      0.000644      2.80     17.72      0.65
   SRCPARAM L0111059      0.000644      2.80     17.72      0.65
   SRCPARAM L0111060      0.000644      2.80     17.72      0.65
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   SRCPARAM L0111061      0.000644      2.80     17.72      0.65
   SRCPARAM L0111062      0.000644      2.80     17.72      0.65
   SRCPARAM L0111063      0.000644      2.80     17.72      0.65
   SRCPARAM L0111064      0.000644      2.80     17.72      0.65
   SRCPARAM L0111065      0.000644      2.80     17.72      0.65
   SRCPARAM L0111066      0.000644      2.80     17.72      0.65
   SRCPARAM L0111067      0.000644      2.80     17.72      0.65
   SRCPARAM L0111068      0.000644      2.80     17.72      0.65
   SRCPARAM L0111069      0.000644      2.80     17.72      0.65
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT05
   SRCPARAM L0112168     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112169     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112170     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112171     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112172     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112173     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112174     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112175     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112176     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112177     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112178     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112179     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112180     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112181     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112182     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112183     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112184     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112185     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112186     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112187     0.001552381      2.80     24.05      0.65
   SRCPARAM L0112188     0.001552381      2.80     24.05      0.65
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT06
   SRCPARAM L0112189     0.0100526316      3.70     29.19      0.86
   SRCPARAM L0112190     0.0100526316      3.70     29.19      0.86
   SRCPARAM L0112191     0.0100526316      3.70     29.19      0.86
   SRCPARAM L0112192     0.0100526316      3.70     29.19      0.86
   SRCPARAM L0112193     0.0100526316      3.70     29.19      0.86
   SRCPARAM L0112194     0.0100526316      3.70     29.19      0.86
   SRCPARAM L0112195     0.0100526316      3.70     29.19      0.86
   SRCPARAM L0112196     0.0100526316      3.70     29.19      0.86
   SRCPARAM L0112197     0.0100526316      3.70     29.19      0.86
   SRCPARAM L0112198     0.0100526316      3.70     29.19      0.86
   SRCPARAM L0112199     0.0100526316      3.70     29.19      0.86
   SRCPARAM L0112200     0.0100526316      3.70     29.19      0.86
   SRCPARAM L0112201     0.0100526316      3.70     29.19      0.86
   SRCPARAM L0112202     0.0100526316      3.70     29.19      0.86
   SRCPARAM L0112203     0.0100526316      3.70     29.19      0.86
   SRCPARAM L0112204     0.0100526316      3.70     29.19      0.86
   SRCPARAM L0112205     0.0100526316      3.70     29.19      0.86
   SRCPARAM L0112206     0.0100526316      3.70     29.19      0.86
   SRCPARAM L0112207     0.0100526316      3.70     29.19      0.86
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT07
   SRCPARAM L0111740     0.0025888889      3.60     29.21      0.84
   SRCPARAM L0111741     0.0025888889      3.60     29.21      0.84
   SRCPARAM L0111742     0.0025888889      3.60     29.21      0.84
   SRCPARAM L0111743     0.0025888889      3.60     29.21      0.84
   SRCPARAM L0111744     0.0025888889      3.60     29.21      0.84
   SRCPARAM L0111745     0.0025888889      3.60     29.21      0.84
   SRCPARAM L0111746     0.0025888889      3.60     29.21      0.84
   SRCPARAM L0111747     0.0025888889      3.60     29.21      0.84
   SRCPARAM L0111748     0.0025888889      3.60     29.21      0.84
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT08
   SRCPARAM L0111749     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111750     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111751     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111752     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111753     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111754     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111755     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111756     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111757     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111758     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111759     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111760     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111761     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111762     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111763     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111764     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111765     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111766     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111767     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111768     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111769     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111770     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111771     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111772     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111773     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111774     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111775     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111776     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111777     0.0015066667      2.70     18.01      0.63
   SRCPARAM L0111778     0.0015066667      2.70     18.01      0.63
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT11
   SRCPARAM L0112208     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112209     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112210     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112211     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112212     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112213     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112214     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112215     0.0003611111      1.00     15.74      0.23
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   SRCPARAM L0112216     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112217     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112218     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112219     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112220     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112221     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112222     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112223     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112224     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112225     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112226     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112227     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112228     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112229     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112230     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112231     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112232     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112233     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112234     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112235     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112236     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112237     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112238     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112239     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112240     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112241     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112242     0.0003611111      1.00     15.74      0.23
   SRCPARAM L0112243     0.0003611111      1.00     15.74      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT12
   SRCPARAM L0112244       0.00104      3.20     15.63      0.74
   SRCPARAM L0112245       0.00104      3.20     15.63      0.74
   SRCPARAM L0112246       0.00104      3.20     15.63      0.74
   SRCPARAM L0112247       0.00104      3.20     15.63      0.74
   SRCPARAM L0112248       0.00104      3.20     15.63      0.74
   SRCPARAM L0112249       0.00104      3.20     15.63      0.74
   SRCPARAM L0112250       0.00104      3.20     15.63      0.74
   SRCPARAM L0112251       0.00104      3.20     15.63      0.74
   SRCPARAM L0112252       0.00104      3.20     15.63      0.74
   SRCPARAM L0112253       0.00104      3.20     15.63      0.74
   SRCPARAM L0112254       0.00104      3.20     15.63      0.74
   SRCPARAM L0112255       0.00104      3.20     15.63      0.74
   SRCPARAM L0112256       0.00104      3.20     15.63      0.74
   SRCPARAM L0112257       0.00104      3.20     15.63      0.74
   SRCPARAM L0112258       0.00104      3.20     15.63      0.74
   SRCPARAM L0112259       0.00104      3.20     15.63      0.74
   SRCPARAM L0112260       0.00104      3.20     15.63      0.74
   SRCPARAM L0112261       0.00104      3.20     15.63      0.74
   SRCPARAM L0112262       0.00104      3.20     15.63      0.74
   SRCPARAM L0112263       0.00104      3.20     15.63      0.74
   SRCPARAM L0112264       0.00104      3.20     15.63      0.74
   SRCPARAM L0112265       0.00104      3.20     15.63      0.74
   SRCPARAM L0112266       0.00104      3.20     15.63      0.74
   SRCPARAM L0112267       0.00104      3.20     15.63      0.74
   SRCPARAM L0112268       0.00104      3.20     15.63      0.74
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT14
   SRCPARAM L0111840     0.0033444444      3.60     23.83      0.84
   SRCPARAM L0111841     0.0033444444      3.60     23.83      0.84
   SRCPARAM L0111842     0.0033444444      3.60     23.83      0.84
   SRCPARAM L0111843     0.0033444444      3.60     23.83      0.84
   SRCPARAM L0111844     0.0033444444      3.60     23.83      0.84
   SRCPARAM L0111845     0.0033444444      3.60     23.83      0.84
   SRCPARAM L0111846     0.0033444444      3.60     23.83      0.84
   SRCPARAM L0111847     0.0033444444      3.60     23.83      0.84
   SRCPARAM L0111848     0.0033444444      3.60     23.83      0.84
   SRCPARAM L0111849     0.0033444444      3.60     23.83      0.84
   SRCPARAM L0111850     0.0033444444      3.60     23.83      0.84
   SRCPARAM L0111851     0.0033444444      3.60     23.83      0.84
   SRCPARAM L0111852     0.0033444444      3.60     23.83      0.84
   SRCPARAM L0111853     0.0033444444      3.60     23.83      0.84
   SRCPARAM L0111854     0.0033444444      3.60     23.83      0.84
   SRCPARAM L0111855     0.0033444444      3.60     23.83      0.84
   SRCPARAM L0111856     0.0033444444      3.60     23.83      0.84
   SRCPARAM L0111857     0.0033444444      3.60     23.83      0.84
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT15
   SRCPARAM L0112269     0.0025133333      3.70     23.51      0.86
   SRCPARAM L0112270     0.0025133333      3.70     23.51      0.86
   SRCPARAM L0112271     0.0025133333      3.70     23.51      0.86
   SRCPARAM L0112272     0.0025133333      3.70     23.51      0.86
   SRCPARAM L0112273     0.0025133333      3.70     23.51      0.86
   SRCPARAM L0112274     0.0025133333      3.70     23.51      0.86
   SRCPARAM L0112275     0.0025133333      3.70     23.51      0.86
   SRCPARAM L0112276     0.0025133333      3.70     23.51      0.86
   SRCPARAM L0112277     0.0025133333      3.70     23.51      0.86
   SRCPARAM L0112278     0.0025133333      3.70     23.51      0.86
   SRCPARAM L0112279     0.0025133333      3.70     23.51      0.86
   SRCPARAM L0112280     0.0025133333      3.70     23.51      0.86
   SRCPARAM L0112281     0.0025133333      3.70     23.51      0.86
   SRCPARAM L0112282     0.0025133333      3.70     23.51      0.86
   SRCPARAM L0112283     0.0025133333      3.70     23.51      0.86
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT18
   SRCPARAM L0111873     0.0011875      3.60     23.38      0.84
   SRCPARAM L0111874     0.0011875      3.60     23.38      0.84
   SRCPARAM L0111875     0.0011875      3.60     23.38      0.84
   SRCPARAM L0111876     0.0011875      3.60     23.38      0.84
   SRCPARAM L0111877     0.0011875      3.60     23.38      0.84
   SRCPARAM L0111878     0.0011875      3.60     23.38      0.84
   SRCPARAM L0111879     0.0011875      3.60     23.38      0.84
   SRCPARAM L0111880     0.0011875      3.60     23.38      0.84
   SRCPARAM L0111881     0.0011875      3.60     23.38      0.84
   SRCPARAM L0111882     0.0011875      3.60     23.38      0.84
   SRCPARAM L0111883     0.0011875      3.60     23.38      0.84
   SRCPARAM L0111884     0.0011875      3.60     23.38      0.84
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   SRCPARAM L0111885     0.0011875      3.60     23.38      0.84
   SRCPARAM L0111886     0.0011875      3.60     23.38      0.84
   SRCPARAM L0111887     0.0011875      3.60     23.38      0.84
   SRCPARAM L0111888     0.0011875      3.60     23.38      0.84
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT18A
   SRCPARAM L0111889     0.0005307692      3.50     24.10      0.81
   SRCPARAM L0111890     0.0005307692      3.50     24.10      0.81
   SRCPARAM L0111891     0.0005307692      3.50     24.10      0.81
   SRCPARAM L0111892     0.0005307692      3.50     24.10      0.81
   SRCPARAM L0111893     0.0005307692      3.50     24.10      0.81
   SRCPARAM L0111894     0.0005307692      3.50     24.10      0.81
   SRCPARAM L0111895     0.0005307692      3.50     24.10      0.81
   SRCPARAM L0111896     0.0005307692      3.50     24.10      0.81
   SRCPARAM L0111897     0.0005307692      3.50     24.10      0.81
   SRCPARAM L0111898     0.0005307692      3.50     24.10      0.81
   SRCPARAM L0111899     0.0005307692      3.50     24.10      0.81
   SRCPARAM L0111900     0.0005307692      3.50     24.10      0.81
   SRCPARAM L0111901     0.0005307692      3.50     24.10      0.81
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT19
   SRCPARAM L0111272     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111273     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111274     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111275     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111276     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111277     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111278     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111279     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111280     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111281     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111282     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111283     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111284     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111285     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111286     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111287     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111288     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111289     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111290     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111291     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111292     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111293     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111294     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111295     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111296     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111297     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111298     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111299     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111300     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111301     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111302     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111303     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111304     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111305     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111306     0.0020861111      3.80     17.64      0.88
   SRCPARAM L0111307     0.0020861111      3.80     17.64      0.88
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT20
   SRCPARAM L0111308     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111309     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111310     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111311     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111312     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111313     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111314     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111315     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111316     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111317     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111318     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111319     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111320     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111321     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111322     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111323     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111324     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111325     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111326     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111327     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111328     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111329     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111330     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111331     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111332     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111333     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111334     0.0004428571      3.10     18.04      0.72
   SRCPARAM L0111335     0.0004428571      3.10     18.04      0.72
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT21
   SRCPARAM L0112284     0.0043857143      3.50     22.81      0.81
   SRCPARAM L0112285     0.0043857143      3.50     22.81      0.81
   SRCPARAM L0112286     0.0043857143      3.50     22.81      0.81
   SRCPARAM L0112287     0.0043857143      3.50     22.81      0.81
   SRCPARAM L0112288     0.0043857143      3.50     22.81      0.81
   SRCPARAM L0112289     0.0043857143      3.50     22.81      0.81
   SRCPARAM L0112290     0.0043857143      3.50     22.81      0.81
   SRCPARAM L0112291     0.0043857143      3.50     22.81      0.81
   SRCPARAM L0112292     0.0043857143      3.50     22.81      0.81
   SRCPARAM L0112293     0.0043857143      3.50     22.81      0.81
   SRCPARAM L0112294     0.0043857143      3.50     22.81      0.81
   SRCPARAM L0112295     0.0043857143      3.50     22.81      0.81
   SRCPARAM L0112296     0.0043857143      3.50     22.81      0.81
   SRCPARAM L0112297     0.0043857143      3.50     22.81      0.81
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT22
   SRCPARAM L0111916     0.0046285714      3.60     24.24      0.84
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   SRCPARAM L0111917     0.0046285714      3.60     24.24      0.84
   SRCPARAM L0111918     0.0046285714      3.60     24.24      0.84
   SRCPARAM L0111919     0.0046285714      3.60     24.24      0.84
   SRCPARAM L0111920     0.0046285714      3.60     24.24      0.84
   SRCPARAM L0111921     0.0046285714      3.60     24.24      0.84
   SRCPARAM L0111922     0.0046285714      3.60     24.24      0.84
   SRCPARAM L0111923     0.0046285714      3.60     24.24      0.84
   SRCPARAM L0111924     0.0046285714      3.60     24.24      0.84
   SRCPARAM L0111925     0.0046285714      3.60     24.24      0.84
   SRCPARAM L0111926     0.0046285714      3.60     24.24      0.84
   SRCPARAM L0111927     0.0046285714      3.60     24.24      0.84
   SRCPARAM L0111928     0.0046285714      3.60     24.24      0.84
   SRCPARAM L0111929     0.0046285714      3.60     24.24      0.84
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT23
   SRCPARAM L0111364     0.0028916667      3.60     18.10      0.84
   SRCPARAM L0111365     0.0028916667      3.60     18.10      0.84
   SRCPARAM L0111366     0.0028916667      3.60     18.10      0.84
   SRCPARAM L0111367     0.0028916667      3.60     18.10      0.84
   SRCPARAM L0111368     0.0028916667      3.60     18.10      0.84
   SRCPARAM L0111369     0.0028916667      3.60     18.10      0.84
   SRCPARAM L0111370     0.0028916667      3.60     18.10      0.84
   SRCPARAM L0111371     0.0028916667      3.60     18.10      0.84
   SRCPARAM L0111372     0.0028916667      3.60     18.10      0.84
   SRCPARAM L0111373     0.0028916667      3.60     18.10      0.84
   SRCPARAM L0111374     0.0028916667      3.60     18.10      0.84
   SRCPARAM L0111375     0.0028916667      3.60     18.10      0.84
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT24
   SRCPARAM L0111376     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111377     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111378     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111379     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111380     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111381     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111382     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111383     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111384     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111385     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111386     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111387     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111388     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111389     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111390     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111391     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111392     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111393     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111394     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111395     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111396     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111397     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111398     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111399     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111400     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111401     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111402     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111403     0.0026344828      3.40     23.53      0.79
   SRCPARAM L0111404     0.0026344828      3.40     23.53      0.79
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT25
   SRCPARAM L0112298     0.0057666667      3.60     22.24      0.84
   SRCPARAM L0112299     0.0057666667      3.60     22.24      0.84
   SRCPARAM L0112300     0.0057666667      3.60     22.24      0.84
   SRCPARAM L0112301     0.0057666667      3.60     22.24      0.84
   SRCPARAM L0112302     0.0057666667      3.60     22.24      0.84
   SRCPARAM L0112303     0.0057666667      3.60     22.24      0.84
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT26
   SRCPARAM L0111411     0.0024384615      3.70     15.51      0.86
   SRCPARAM L0111412     0.0024384615      3.70     15.51      0.86
   SRCPARAM L0111413     0.0024384615      3.70     15.51      0.86
   SRCPARAM L0111414     0.0024384615      3.70     15.51      0.86
   SRCPARAM L0111415     0.0024384615      3.70     15.51      0.86
   SRCPARAM L0111416     0.0024384615      3.70     15.51      0.86
   SRCPARAM L0111417     0.0024384615      3.70     15.51      0.86
   SRCPARAM L0111418     0.0024384615      3.70     15.51      0.86
   SRCPARAM L0111419     0.0024384615      3.70     15.51      0.86
   SRCPARAM L0111420     0.0024384615      3.70     15.51      0.86
   SRCPARAM L0111421     0.0024384615      3.70     15.51      0.86
   SRCPARAM L0111422     0.0024384615      3.70     15.51      0.86
   SRCPARAM L0111423     0.0024384615      3.70     15.51      0.86
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT27
   SRCPARAM L0110727         0.0017      3.70     15.35      0.86
   SRCPARAM L0110728         0.0017      3.70     15.35      0.86
   SRCPARAM L0110729         0.0017      3.70     15.35      0.86
   SRCPARAM L0110730         0.0017      3.70     15.35      0.86
   SRCPARAM L0110731         0.0017      3.70     15.35      0.86
   SRCPARAM L0110732         0.0017      3.70     15.35      0.86
   SRCPARAM L0110733         0.0017      3.70     15.35      0.86
   SRCPARAM L0110734         0.0017      3.70     15.35      0.86
   SRCPARAM L0110735         0.0017      3.70     15.35      0.86
   SRCPARAM L0110736         0.0017      3.70     15.35      0.86
   SRCPARAM L0110737         0.0017      3.70     15.35      0.86
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT28
   SRCPARAM L0111424     0.0010636364      3.70     15.60      0.86
   SRCPARAM L0111425     0.0010636364      3.70     15.60      0.86
   SRCPARAM L0111426     0.0010636364      3.70     15.60      0.86
   SRCPARAM L0111427     0.0010636364      3.70     15.60      0.86
   SRCPARAM L0111428     0.0010636364      3.70     15.60      0.86
   SRCPARAM L0111429     0.0010636364      3.70     15.60      0.86
   SRCPARAM L0111430     0.0010636364      3.70     15.60      0.86
   SRCPARAM L0111431     0.0010636364      3.70     15.60      0.86
   SRCPARAM L0111432     0.0010636364      3.70     15.60      0.86
   SRCPARAM L0111433     0.0010636364      3.70     15.60      0.86
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   SRCPARAM L0111434     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111435     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111436     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111437     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111438     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111439     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111440     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111441     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111442     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111443     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111444     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111445     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111446     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111447     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111448     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111449     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111450     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111451     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111452     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111453     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111454     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111455     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111456     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111457     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111458     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111459     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111460     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111461     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111462     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111463     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111464     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111465     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111466     0.0010636364      3.70      15.60      0.86
   SRCPARAM L0111467     0.0010636364      3.70      15.60      0.86
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT29
   SRCPARAM L0112304     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112305     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112306     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112307     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112308     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112309     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112310     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112311     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112312     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112313     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112314     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112315     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112316     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112317     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112318     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112319     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112320     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112321     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112322     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112323     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112324     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112325     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112326     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112327     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112328     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112329     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112330     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112331     0.0025551724      3.70       9.20      0.86
   SRCPARAM L0112332     0.0025551724      3.70       9.20      0.86
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT30
   SRCPARAM L0112333     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112334     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112335     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112336     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112337     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112338     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112339     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112340     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112341     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112342     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112343     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112344     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112345     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112346     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112347     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112348     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112349     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112350     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112351     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112352     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112353     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112354     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112355     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112356     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112357     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112358     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112359     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112360     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112361     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112362     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112363     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112364     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112365     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112366     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112367     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112368     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112369     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112370     0.0027889908      3.70       9.32      0.86
   SRCPARAM L0112371     0.0027889908      3.70       9.32      0.86
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   SRCPARAM L0112372     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112373     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112374     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112375     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112376     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112377     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112378     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112379     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112380     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112381     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112382     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112383     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112384     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112385     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112386     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112387     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112388     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112389     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112390     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112391     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112392     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112393     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112394     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112395     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112396     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112397     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112398     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112399     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112400     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112401     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112402     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112403     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112404     0.0027889908      3.70      9.32      0.86
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   SRCPARAM L0112406     0.0027889908      3.70      9.32      0.86
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   SRCPARAM L0112408     0.0027889908      3.70      9.32      0.86
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   SRCPARAM L0112411     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112412     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112413     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112414     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112415     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112416     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112417     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112418     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112419     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112420     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112421     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112422     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112423     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112424     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112425     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112426     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112427     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112428     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112429     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112430     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112431     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112432     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112433     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112434     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112435     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112436     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112437     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112438     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112439     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112440     0.0027889908      3.70      9.32      0.86
   SRCPARAM L0112441     0.0027889908      3.70      9.32      0.86
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT31
   SRCPARAM L0112442     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112443     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112444     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112445     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112446     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112447     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112448     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112449     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112450     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112451     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112452     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112453     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112454     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112455     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112456     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112457     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112458     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112459     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112460     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112461     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112462     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112463     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112464     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112465     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112466     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112467     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112468     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112469     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112470     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112471     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112472     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112473     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112474     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112475     0.0009564103      3.20      9.38      0.74
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   SRCPARAM L0112476     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112477     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112478     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112479     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112480     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112481     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112482     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112483     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112484     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112485     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112486     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112487     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112488     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112489     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112490     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112491     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112492     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112493     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112494     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112495     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112496     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112497     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112498     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112499     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112500     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112501     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112502     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112503     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112504     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112505     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112506     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112507     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112508     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112509     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112510     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112511     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112512     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112513     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112514     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112515     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112516     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112517     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112518     0.0009564103      3.20      9.38      0.74
   SRCPARAM L0112519     0.0009564103      3.20      9.38      0.74
** ----------------------------------------------------------------------
   SRCPARAM PHASE2        2.98E-07     3.900        24
   AREAVERT PHASE2       485955.126 3753354.752 485960.607 3752757.752
   AREAVERT PHASE2       487265.046 3752735.752 487270.339 3752537.752
   AREAVERT PHASE2       488306.339 3752532.752 488311.339 3752861.752
   AREAVERT PHASE2       489243.339 3752833.752 489248.339 3752439.752
   AREAVERT PHASE2       491062.339 3752444.752 490854.339 3752883.752
   AREAVERT PHASE2       490487.339 3753222.752 488733.750 3754233.804
   AREAVERT PHASE2       488611.086 3754487.983 488405.339 3754467.752
   AREAVERT PHASE2       487997.339 3755020.752 487759.339 3755283.752
   AREAVERT PHASE2       487242.339 3755300.752 487234.339 3755007.752
   AREAVERT PHASE2       487990.339 3755019.752 488170.339 3754780.752
   AREAVERT PHASE2       488472.339 3754353.752 488465.339 3753305.752
   AREAVERT PHASE2       487133.339 3753283.752 486826.339 3753359.752
   URBANSRC ALL
** OLM Source Groups for Combined Plumes
   OLMGROUP ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED LST_NOx_REV3_NR_REV1.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE RIVR2.SFC
   PROFFILE RIVR2.PFL
   SURFDATA 00002 2005
   UAIRDATA 3190 2005
   PROFBASE 250.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST 8TH
   RECTABLE 1 1ST 8TH
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST LST_NOX_REV3_NR_REV1.AD\01H1GALL.PLT 31
   PLOTFILE 1 ALL 8TH LST_NOX_REV3_NR_REV1.AD\01H8GALL.PLT 32
   PLOTFILE ANNUAL ALL LST_NOX_REV3_NR_REV1.AD\AN00GALL.PLT 33
   MXDYBYYR ALL LST_NOX_REV3_NR_REV1.AD\MXDYBYYR_ALL_NO2.DAT 34
   SUMMFILE LST_NOx_REV3_NR_REV1.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------
```

```
A Total of            0 Fatal Error Message(s)
A Total of            2 Warning Message(s)
A Total of            0 Informational Message(s)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
CO W361      31 COCARD:Multiyear PERIOD/ANNUAL values for NO2/SO2 require MULTYEAR Opt
ME W530    1992 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

************************************
*** SETUP Finishes Successfully ***
************************************

♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                   *** NO2 - LST Assessment (No Refrigeration)                                 ***        09:58:54
                                                                                                                          PAGE   1
**MODELOPTS:  NonDFAULT CONC                                                  ELEV
                        FASTALL                                                          OLM

                                              ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

**Model Is Setup For Calculation of Average CONCentration Values.

  --  DEPOSITION LOGIC  --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
**Model Uses NO WET DEPLETION.  WETDPLT  =  F

**Model Uses URBAN Dispersion Algorithm for the SBL for   699 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =   2000000.0 ;  Urban Roughness Length =  1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Ozone Limiting Method (OLM) Used for NO2 Conversion
           with an Equilibrium NO2/NOx Ratio of  0.900
        7. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTALL  - Use effective sigma-y to optimize meander for
                   POINT and VOLUME sources, and hybrid approach
                   to optimize AREA sources (formerly TOXICS option)

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates  1 Short Term Average(s) of:   1-HR
    and Calculates ANNUAL Averages

**This Run Includes:    699 Source(s);       1 Source Group(s); and    1705 Receptor(s)

**The Model Assumes A Pollutant Type of:  NO2

**Note that special processing requirements apply for the 1-hour NO2 NAAQS - check available guidance.
  Model will process user-specified ranks of daily maximum 1-hour values averaged across the number of years modeled.
  For annual NO2 NAAQS modeling, the multi-year maximum of PERIOD values can be simulated using the MULTYEAR keyword.
  Multi-year PERIOD and 1-hour values should only be done in a single model run using the MULTYEAR option with a
  single multi-year meteorological data file using STARTEND keyword.

**Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs External File(s) of Maximum Daily 1-hr Values by Year (MXDYBYYR Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   250.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =     13.6 MB of RAM.

**Detailed Error/Message File:   LST_NOx_REV3_NR_REV1.err
**File for Summary of Results:   LST_NOx_REV3_NR_REV1.sum
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                   *** NO2 - LST Assessment (No Refrigeration)                                 ***        09:58:54
                                                                                                                          PAGE   2
**MODELOPTS:  NonDFAULT CONC                                                  ELEV
                        FASTALL                                                          OLM


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.   URBAN  EMISSION RATE
  SOURCE       PART.  (GRAMS/SEC)     X         Y      ELEV.   HEIGHT      SY       SZ     SOURCE  SCALAR VARY
    ID         CATS.             (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)                BY
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

L0112152         0   0.11350E-01  487123.6 3755406.2   540.5     3.70    27.35     0.86     YES
L0112153         0   0.11350E-01  487123.6 3755347.4   538.9     3.70    27.35     0.86     YES
                                                                 Page 20
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L0112154	0	0.11350E-01	487123.6	3755288.6	537.3	3.70	27.35	0.86	YES
L0112155	0	0.11350E-01	487123.6	3755229.8	535.7	3.70	27.35	0.86	YES
L0112156	0	0.11350E-01	487123.6	3755171.0	534.1	3.70	27.35	0.86	YES
L0112157	0	0.11350E-01	487123.6	3755112.2	532.4	3.70	27.35	0.86	YES
L0112158	0	0.27400E-01	487126.2	3755042.4	531.4	3.70	30.03	0.86	YES
L0112159	0	0.27400E-01	487126.5	3754977.8	528.8	3.70	30.03	0.86	YES
L0112160	0	0.27400E-01	487126.8	3754913.2	526.3	3.70	30.03	0.86	YES
L0112161	0	0.27400E-01	487127.0	3754848.7	523.8	3.70	30.03	0.86	YES
L0112162	0	0.27400E-01	487127.3	3754784.1	521.3	3.70	30.03	0.86	YES
L0112163	0	0.27400E-01	487127.6	3754719.5	518.7	3.70	30.03	0.86	YES
L0112164	0	0.27400E-01	487127.9	3754655.0	516.2	3.70	30.03	0.86	YES
L0112165	0	0.27400E-01	487128.2	3754590.4	513.7	3.70	30.03	0.86	YES
L0112166	0	0.27400E-01	487128.4	3754525.9	511.2	3.70	30.03	0.86	YES
L0112167	0	0.27400E-01	487128.7	3754461.3	508.6	3.70	30.03	0.86	YES
L0111014	0	0.63871E-02	487113.8	3754444.9	507.8	3.70	18.01	0.86	YES
L0111015	0	0.63871E-02	487075.0	3754445.3	511.3	3.70	18.01	0.86	YES
L0111016	0	0.63871E-02	487036.3	3754445.6	512.1	3.70	18.01	0.86	YES
L0111017	0	0.63871E-02	486997.6	3754445.9	512.1	3.70	18.01	0.86	YES
L0111018	0	0.63871E-02	486958.9	3754446.2	513.2	3.70	18.01	0.86	YES
L0111019	0	0.63871E-02	486920.1	3754446.6	514.0	3.70	18.01	0.86	YES
L0111020	0	0.63871E-02	486881.4	3754446.9	514.8	3.70	18.01	0.86	YES
L0111021	0	0.63871E-02	486842.7	3754447.2	515.9	3.70	18.01	0.86	YES
L0111022	0	0.63871E-02	486804.0	3754447.5	515.4	3.70	18.01	0.86	YES
L0111023	0	0.63871E-02	486765.3	3754447.9	516.1	3.70	18.01	0.86	YES
L0111024	0	0.63871E-02	486726.5	3754448.2	515.7	3.70	18.01	0.86	YES
L0111025	0	0.63871E-02	486687.8	3754448.5	514.3	3.70	18.01	0.86	YES
L0111026	0	0.63871E-02	486649.1	3754448.8	514.3	3.70	18.01	0.86	YES
L0111027	0	0.63871E-02	486610.4	3754449.2	514.9	3.70	18.01	0.86	YES
L0111028	0	0.63871E-02	486571.6	3754449.5	515.3	3.70	18.01	0.86	YES
L0111029	0	0.63871E-02	486532.9	3754449.8	514.6	3.70	18.01	0.86	YES
L0111030	0	0.63871E-02	486494.2	3754450.1	515.0	3.70	18.01	0.86	YES
L0111031	0	0.63871E-02	486455.5	3754450.5	514.5	3.70	18.01	0.86	YES
L0111032	0	0.63871E-02	486416.7	3754450.8	513.4	3.70	18.01	0.86	YES
L0111033	0	0.63871E-02	486378.0	3754451.1	513.4	3.70	18.01	0.86	YES
L0111034	0	0.63871E-02	486339.3	3754451.4	514.1	3.70	18.01	0.86	YES
L0111035	0	0.63871E-02	486300.6	3754451.8	515.0	3.70	18.01	0.86	YES
L0111036	0	0.63871E-02	486261.8	3754452.1	516.3	3.70	18.01	0.86	YES
L0111037	0	0.63871E-02	486223.1	3754452.4	516.8	3.70	18.01	0.86	YES

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111038	0	0.63871E-02	486184.7	3754451.5	514.9	3.70	18.01	0.86	YES	
L0111039	0	0.63871E-02	486151.5	3754431.5	512.5	3.70	18.01	0.86	YES	
L0111040	0	0.63871E-02	486118.3	3754411.6	510.2	3.70	18.01	0.86	YES	
L0111041	0	0.63871E-02	486085.1	3754391.7	509.3	3.70	18.01	0.86	YES	
L0111042	0	0.63871E-02	486051.9	3754371.8	509.0	3.70	18.01	0.86	YES	
L0111043	0	0.63871E-02	486030.1	3754341.3	509.3	3.70	18.01	0.86	YES	
L0111044	0	0.63871E-02	486012.8	3754306.6	509.9	3.70	18.01	0.86	YES	
L0111045	0	0.64400E-03	486005.7	3754293.4	510.6	2.80	17.72	0.65	YES	
L0111046	0	0.64400E-03	486005.3	3754255.3	509.5	2.80	17.72	0.65	YES	
L0111047	0	0.64400E-03	486004.9	3754217.2	507.6	2.80	17.72	0.65	YES	
L0111048	0	0.64400E-03	486004.6	3754179.1	507.9	2.80	17.72	0.65	YES	
L0111049	0	0.64400E-03	486004.2	3754141.1	508.0	2.80	17.72	0.65	YES	
L0111050	0	0.64400E-03	486003.8	3754103.0	506.8	2.80	17.72	0.65	YES	
L0111051	0	0.64400E-03	486003.4	3754064.9	506.3	2.80	17.72	0.65	YES	
L0111052	0	0.64400E-03	486003.1	3754026.8	505.2	2.80	17.72	0.65	YES	
L0111053	0	0.64400E-03	486002.7	3753988.7	505.0	2.80	17.72	0.65	YES	
L0111054	0	0.64400E-03	486002.3	3753950.6	504.1	2.80	17.72	0.65	YES	
L0111055	0	0.64400E-03	486001.9	3753912.5	503.4	2.80	17.72	0.65	YES	
L0111056	0	0.64400E-03	486001.5	3753874.4	502.2	2.80	17.72	0.65	YES	
L0111057	0	0.64400E-03	486001.2	3753836.3	500.9	2.80	17.72	0.65	YES	
L0111058	0	0.64400E-03	486000.8	3753798.2	499.6	2.80	17.72	0.65	YES	
L0111059	0	0.64400E-03	486000.4	3753760.2	499.7	2.80	17.72	0.65	YES	
L0111060	0	0.64400E-03	486000.0	3753722.1	501.9	2.80	17.72	0.65	YES	
L0111061	0	0.64400E-03	485999.6	3753684.0	501.6	2.80	17.72	0.65	YES	
L0111062	0	0.64400E-03	485999.3	3753645.9	499.0	2.80	17.72	0.65	YES	
L0111063	0	0.64400E-03	485998.9	3753607.8	496.5	2.80	17.72	0.65	YES	
L0111064	0	0.64400E-03	485998.5	3753569.7	496.0	2.80	17.72	0.65	YES	
L0111065	0	0.64400E-03	485998.1	3753531.6	496.5	2.80	17.72	0.65	YES	
L0111066	0	0.64400E-03	486006.9	3753496.0	495.3	2.80	17.72	0.65	YES	
L0111067	0	0.64400E-03	486026.7	3753463.5	492.8	2.80	17.72	0.65	YES	
L0111068	0	0.64400E-03	486046.5	3753431.0	491.4	2.80	17.72	0.65	YES	
L0111069	0	0.64400E-03	486066.3	3753398.4	492.3	2.80	17.72	0.65	YES	
L0112168	0	0.15524E-02	486083.6	3753385.4	494.2	2.80	24.05	0.65	YES	
L0112169	0	0.15524E-02	486132.0	3753367.1	494.8	2.80	24.05	0.65	YES	
L0112170	0	0.15524E-02	486182.6	3753360.8	495.1	2.80	24.05	0.65	YES	
L0112171	0	0.15524E-02	486234.3	3753360.1	495.2	2.80	24.05	0.65	YES	
L0112172	0	0.15524E-02	486286.0	3753359.4	495.2	2.80	24.05	0.65	YES	
L0112173	0	0.15524E-02	486337.7	3753358.7	495.3	2.80	24.05	0.65	YES	
L0112174	0	0.15524E-02	486389.4	3753358.0	495.4	2.80	24.05	0.65	YES	
L0112175	0	0.15524E-02	486441.1	3753357.4	495.5	2.80	24.05	0.65	YES	

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY

L0112176	0	0.15524E-02	486492.9	3753356.7	495.6	2.80	24.05	0.65	YES
L0112177	0	0.15524E-02	486544.6	3753356.0	495.7	2.80	24.05	0.65	YES
L0112178	0	0.15524E-02	486596.3	3753355.3	495.8	2.80	24.05	0.65	YES
L0112179	0	0.15524E-02	486648.0	3753354.6	495.8	2.80	24.05	0.65	YES
L0112180	0	0.15524E-02	486699.7	3753353.9	495.9	2.80	24.05	0.65	YES
L0112181	0	0.15524E-02	486751.2	3753351.7	495.9	2.80	24.05	0.65	YES
L0112182	0	0.15524E-02	486801.8	3753341.0	495.1	2.80	24.05	0.65	YES
L0112183	0	0.15524E-02	486852.4	3753330.4	494.2	2.80	24.05	0.65	YES
L0112184	0	0.15524E-02	486903.0	3753319.8	493.4	2.80	24.05	0.65	YES
L0112185	0	0.15524E-02	486953.6	3753309.2	492.6	2.80	24.05	0.65	YES
L0112186	0	0.15524E-02	487004.2	3753298.6	491.8	2.80	24.05	0.65	YES
L0112187	0	0.15524E-02	487054.8	3753288.0	491.0	2.80	24.05	0.65	YES
L0112188	0	0.15524E-02	487105.5	3753277.3	490.2	2.80	24.05	0.65	YES
L0112189	0	0.10053E-01	487123.3	3754433.6	511.7	3.70	29.19	0.86	YES
L0112190	0	0.10053E-01	487122.3	3754370.9	510.5	3.70	29.19	0.86	YES
L0112191	0	0.10053E-01	487121.3	3754308.1	509.3	3.70	29.19	0.86	YES
L0112192	0	0.10053E-01	487120.3	3754245.4	508.1	3.70	29.19	0.86	YES
L0112193	0	0.10053E-01	487119.3	3754182.7	506.9	3.70	29.19	0.86	YES
L0112194	0	0.10053E-01	487118.3	3754119.9	505.8	3.70	29.19	0.86	YES
L0112195	0	0.10053E-01	487117.3	3754057.2	504.6	3.70	29.19	0.86	YES
L0112196	0	0.10053E-01	487116.3	3753994.4	503.4	3.70	29.19	0.86	YES
L0112197	0	0.10053E-01	487115.3	3753931.7	502.2	3.70	29.19	0.86	YES
L0112198	0	0.10053E-01	487114.3	3753868.9	501.0	3.70	29.19	0.86	YES
L0112199	0	0.10053E-01	487113.4	3753806.2	499.8	3.70	29.19	0.86	YES
L0112200	0	0.10053E-01	487112.4	3753743.4	498.6	3.70	29.19	0.86	YES
L0112201	0	0.10053E-01	487111.4	3753680.7	497.4	3.70	29.19	0.86	YES
L0112202	0	0.10053E-01	487110.4	3753618.0	496.2	3.70	29.19	0.86	YES
L0112203	0	0.10053E-01	487109.4	3753555.2	495.1	3.70	29.19	0.86	YES
L0112204	0	0.10053E-01	487108.4	3753492.5	493.9	3.70	29.19	0.86	YES
L0112205	0	0.10053E-01	487107.4	3753429.7	492.7	3.70	29.19	0.86	YES
L0112206	0	0.10053E-01	487106.4	3753367.0	491.5	3.70	29.19	0.86	YES
L0112207	0	0.10053E-01	487105.4	3753304.2	490.3	3.70	29.19	0.86	YES
L0111740	0	0.25889E-02	487102.6	3753284.4	489.2	3.60	29.21	0.84	YES
L0111741	0	0.25889E-02	487102.9	3753221.6	489.6	3.60	29.21	0.84	YES
L0111742	0	0.25889E-02	487103.2	3753158.8	486.8	3.60	29.21	0.84	YES
L0111743	0	0.25889E-02	487103.5	3753096.1	485.8	3.60	29.21	0.84	YES
L0111744	0	0.25889E-02	487103.8	3753033.3	485.0	3.60	29.21	0.84	YES
L0111745	0	0.25889E-02	487104.2	3752970.5	487.0	3.60	29.21	0.84	YES
L0111746	0	0.25889E-02	487104.5	3752907.7	484.9	3.60	29.21	0.84	YES
L0111747	0	0.25889E-02	487104.8	3752844.9	483.2	3.60	29.21	0.84	YES

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111748	0	0.25889E-02	487105.1	3752782.1	483.7	3.60	29.21	0.84	YES	
L0111749	0	0.15067E-02	486069.9	3753383.9	492.7	2.70	18.01	0.63	YES	
L0111750	0	0.15067E-02	486053.5	3753348.8	491.3	2.70	18.01	0.63	YES	
L0111751	0	0.15067E-02	486037.1	3753313.7	490.5	2.70	18.01	0.63	YES	
L0111752	0	0.15067E-02	486020.7	3753278.6	490.3	2.70	18.01	0.63	YES	
L0111753	0	0.15067E-02	486004.3	3753243.5	490.0	2.70	18.01	0.63	YES	
L0111754	0	0.15067E-02	485987.9	3753208.5	489.6	2.70	18.01	0.63	YES	
L0111755	0	0.15067E-02	485979.1	3753171.6	489.0	2.70	18.01	0.63	YES	
L0111756	0	0.15067E-02	485978.3	3753132.9	488.1	2.70	18.01	0.63	YES	
L0111757	0	0.15067E-02	485977.4	3753094.2	488.2	2.70	18.01	0.63	YES	
L0111758	0	0.15067E-02	485976.6	3753055.4	489.4	2.70	18.01	0.63	YES	
L0111759	0	0.15067E-02	485975.7	3753016.7	490.1	2.70	18.01	0.63	YES	
L0111760	0	0.15067E-02	485974.9	3752978.0	490.0	2.70	18.01	0.63	YES	
L0111761	0	0.15067E-02	485974.0	3752939.3	489.0	2.70	18.01	0.63	YES	
L0111762	0	0.15067E-02	485973.2	3752900.6	489.0	2.70	18.01	0.63	YES	
L0111763	0	0.15067E-02	485972.3	3752861.8	489.0	2.70	18.01	0.63	YES	
L0111764	0	0.15067E-02	485971.5	3752823.1	489.0	2.70	18.01	0.63	YES	
L0111765	0	0.15067E-02	485970.6	3752784.4	488.8	2.70	18.01	0.63	YES	
L0111766	0	0.15067E-02	485969.8	3752745.7	487.0	2.70	18.01	0.63	YES	
L0111767	0	0.15067E-02	485968.9	3752707.0	485.2	2.70	18.01	0.63	YES	
L0111768	0	0.15067E-02	485968.1	3752668.2	486.2	2.70	18.01	0.63	YES	
L0111769	0	0.15067E-02	485967.2	3752629.5	488.8	2.70	18.01	0.63	YES	
L0111770	0	0.15067E-02	485966.4	3752590.8	490.1	2.70	18.01	0.63	YES	
L0111771	0	0.15067E-02	485965.5	3752552.1	495.2	2.70	18.01	0.63	YES	
L0111772	0	0.15067E-02	485964.7	3752513.4	496.4	2.70	18.01	0.63	YES	
L0111773	0	0.15067E-02	485963.8	3752474.7	496.1	2.70	18.01	0.63	YES	
L0111774	0	0.15067E-02	485963.0	3752435.9	496.4	2.70	18.01	0.63	YES	
L0111775	0	0.15067E-02	485962.1	3752397.2	498.8	2.70	18.01	0.63	YES	
L0111776	0	0.15067E-02	485961.3	3752358.5	500.1	2.70	18.01	0.63	YES	
L0111777	0	0.15067E-02	485960.4	3752319.8	500.7	2.70	18.01	0.63	YES	
L0111778	0	0.15067E-02	485959.6	3752281.1	501.9	2.70	18.01	0.63	YES	
L0112208	0	0.36111E-03	485510.8	3754267.3	514.8	1.00	15.74	0.23	YES	
L0112209	0	0.36111E-03	485510.8	3754233.4	514.3	1.00	15.74	0.23	YES	
L0112210	0	0.36111E-03	485510.8	3754199.6	513.7	1.00	15.74	0.23	YES	
L0112211	0	0.36111E-03	485510.7	3754165.8	513.1	1.00	15.74	0.23	YES	
L0112212	0	0.36111E-03	485510.7	3754131.9	512.5	1.00	15.74	0.23	YES	
L0112213	0	0.36111E-03	485510.7	3754098.1	511.9	1.00	15.74	0.23	YES	
L0112214	0	0.36111E-03	485510.6	3754064.2	511.3	1.00	15.74	0.23	YES	
L0112215	0	0.36111E-03	485510.6	3754030.4	510.7	1.00	15.74	0.23	YES	
L0112216	0	0.36111E-03	485510.5	3753996.6	510.1	1.00	15.74	0.23	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY

L0112217	0	0.36111E-03	485510.5	3753962.7	509.5	1.00	15.74	0.23	YES
L0112218	0	0.36111E-03	485510.5	3753928.9	508.9	1.00	15.74	0.23	YES
L0112219	0	0.36111E-03	485510.4	3753895.1	508.3	1.00	15.74	0.23	YES
L0112220	0	0.36111E-03	485510.4	3753861.2	507.8	1.00	15.74	0.23	YES
L0112221	0	0.36111E-03	485510.4	3753827.4	507.2	1.00	15.74	0.23	YES
L0112222	0	0.36111E-03	485510.3	3753793.6	506.6	1.00	15.74	0.23	YES
L0112223	0	0.36111E-03	485510.3	3753759.7	506.0	1.00	15.74	0.23	YES
L0112224	0	0.36111E-03	485510.3	3753725.9	505.4	1.00	15.74	0.23	YES
L0112225	0	0.36111E-03	485510.2	3753692.0	504.8	1.00	15.74	0.23	YES
L0112226	0	0.36111E-03	485510.2	3753658.2	504.2	1.00	15.74	0.23	YES
L0112227	0	0.36111E-03	485510.1	3753624.4	503.6	1.00	15.74	0.23	YES
L0112228	0	0.36111E-03	485510.1	3753590.5	503.0	1.00	15.74	0.23	YES
L0112229	0	0.36111E-03	485510.1	3753556.7	502.4	1.00	15.74	0.23	YES
L0112230	0	0.36111E-03	485510.0	3753522.9	501.8	1.00	15.74	0.23	YES
L0112231	0	0.36111E-03	485510.0	3753489.0	501.2	1.00	15.74	0.23	YES
L0112232	0	0.36111E-03	485510.0	3753455.2	500.7	1.00	15.74	0.23	YES
L0112233	0	0.36111E-03	485509.9	3753421.4	500.1	1.00	15.74	0.23	YES
L0112234	0	0.36111E-03	485509.9	3753387.5	499.5	1.00	15.74	0.23	YES
L0112235	0	0.36111E-03	485509.8	3753353.7	498.9	1.00	15.74	0.23	YES
L0112236	0	0.36111E-03	485509.8	3753319.8	498.3	1.00	15.74	0.23	YES
L0112237	0	0.36111E-03	485509.8	3753286.0	497.7	1.00	15.74	0.23	YES
L0112238	0	0.36111E-03	485509.7	3753252.2	497.1	1.00	15.74	0.23	YES
L0112239	0	0.36111E-03	485509.7	3753218.3	496.5	1.00	15.74	0.23	YES
L0112240	0	0.36111E-03	485509.7	3753184.5	495.9	1.00	15.74	0.23	YES
L0112241	0	0.36111E-03	485509.6	3753150.7	495.3	1.00	15.74	0.23	YES
L0112242	0	0.36111E-03	485509.6	3753116.8	494.7	1.00	15.74	0.23	YES
L0112243	0	0.36111E-03	485509.6	3753083.0	494.2	1.00	15.74	0.23	YES
L0112244	0	0.10400E-02	485533.3	3755083.2	531.8	3.20	15.63	0.74	YES
L0112245	0	0.10400E-02	485532.5	3755049.6	531.1	3.20	15.63	0.74	YES
L0112246	0	0.10400E-02	485531.8	3755016.0	530.4	3.20	15.63	0.74	YES
L0112247	0	0.10400E-02	485531.1	3754982.4	529.7	3.20	15.63	0.74	YES
L0112248	0	0.10400E-02	485530.4	3754948.8	529.0	3.20	15.63	0.74	YES
L0112249	0	0.10400E-02	485529.7	3754915.2	528.4	3.20	15.63	0.74	YES
L0112250	0	0.10400E-02	485528.9	3754881.6	527.7	3.20	15.63	0.74	YES
L0112251	0	0.10400E-02	485528.2	3754848.0	527.0	3.20	15.63	0.74	YES
L0112252	0	0.10400E-02	485527.5	3754814.4	526.3	3.20	15.63	0.74	YES
L0112253	0	0.10400E-02	485526.8	3754780.8	525.6	3.20	15.63	0.74	YES
L0112254	0	0.10400E-02	485526.0	3754747.2	524.9	3.20	15.63	0.74	YES
L0112255	0	0.10400E-02	485525.3	3754713.6	524.2	3.20	15.63	0.74	YES
L0112256	0	0.10400E-02	485524.6	3754680.1	523.5	3.20	15.63	0.74	YES

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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112257	0	0.10400E-02	485523.9	3754646.5	522.8	3.20	15.63	0.74	YES	
L0112258	0	0.10400E-02	485523.2	3754612.9	522.1	3.20	15.63	0.74	YES	
L0112259	0	0.10400E-02	485522.4	3754579.3	521.4	3.20	15.63	0.74	YES	
L0112260	0	0.10400E-02	485521.7	3754545.7	520.7	3.20	15.63	0.74	YES	
L0112261	0	0.10400E-02	485521.0	3754512.1	520.0	3.20	15.63	0.74	YES	
L0112262	0	0.10400E-02	485520.3	3754478.5	519.3	3.20	15.63	0.74	YES	
L0112263	0	0.10400E-02	485519.5	3754444.9	518.6	3.20	15.63	0.74	YES	
L0112264	0	0.10400E-02	485518.8	3754411.3	517.9	3.20	15.63	0.74	YES	
L0112265	0	0.10400E-02	485518.1	3754377.7	517.3	3.20	15.63	0.74	YES	
L0112266	0	0.10400E-02	485517.4	3754344.1	516.6	3.20	15.63	0.74	YES	
L0112267	0	0.10400E-02	485516.7	3754310.5	515.9	3.20	15.63	0.74	YES	
L0112268	0	0.10400E-02	485515.9	3754276.9	515.2	3.20	15.63	0.74	YES	
L0111840	0	0.33444E-02	485516.8	3755054.2	529.9	3.60	23.83	0.84	YES	
L0111841	0	0.33444E-02	485568.1	3755054.0	528.6	3.60	23.83	0.84	YES	
L0111842	0	0.33444E-02	485619.3	3755053.8	530.8	3.60	23.83	0.84	YES	
L0111843	0	0.33444E-02	485670.5	3755053.6	532.5	3.60	23.83	0.84	YES	
L0111844	0	0.33444E-02	485721.7	3755053.4	534.2	3.60	23.83	0.84	YES	
L0111845	0	0.33444E-02	485773.0	3755053.2	531.1	3.60	23.83	0.84	YES	
L0111846	0	0.33444E-02	485824.2	3755053.0	529.5	3.60	23.83	0.84	YES	
L0111847	0	0.33444E-02	485875.4	3755052.8	529.8	3.60	23.83	0.84	YES	
L0111848	0	0.33444E-02	485926.7	3755052.6	530.9	3.60	23.83	0.84	YES	
L0111849	0	0.33444E-02	485977.9	3755052.4	529.7	3.60	23.83	0.84	YES	
L0111850	0	0.33444E-02	486029.1	3755052.2	529.4	3.60	23.83	0.84	YES	
L0111851	0	0.33444E-02	486080.4	3755052.0	529.5	3.60	23.83	0.84	YES	
L0111852	0	0.33444E-02	486131.6	3755051.8	529.5	3.60	23.83	0.84	YES	
L0111853	0	0.33444E-02	486182.8	3755051.6	530.3	3.60	23.83	0.84	YES	
L0111854	0	0.33444E-02	486234.0	3755051.3	527.4	3.60	23.83	0.84	YES	
L0111855	0	0.33444E-02	486285.3	3755051.1	527.0	3.60	23.83	0.84	YES	
L0111856	0	0.33444E-02	486336.5	3755050.9	526.5	3.60	23.83	0.84	YES	
L0111857	0	0.33444E-02	486387.7	3755050.7	527.3	3.60	23.83	0.84	YES	
L0112269	0	0.25133E-02	486398.6	3755051.8	530.0	3.70	23.51	0.86	YES	
L0112270	0	0.25133E-02	486449.1	3755051.3	530.3	3.70	23.51	0.86	YES	
L0112271	0	0.25133E-02	486499.7	3755050.8	530.5	3.70	23.51	0.86	YES	
L0112272	0	0.25133E-02	486550.2	3755050.4	530.7	3.70	23.51	0.86	YES	
L0112273	0	0.25133E-02	486600.7	3755049.9	530.9	3.70	23.51	0.86	YES	
L0112274	0	0.25133E-02	486651.3	3755049.4	531.1	3.70	23.51	0.86	YES	
L0112275	0	0.25133E-02	486701.8	3755049.0	531.3	3.70	23.51	0.86	YES	
L0112276	0	0.25133E-02	486752.4	3755048.5	531.5	3.70	23.51	0.86	YES	
L0112277	0	0.25133E-02	486802.9	3755048.1	531.7	3.70	23.51	0.86	YES	
L0112278	0	0.25133E-02	486853.5	3755047.6	531.9	3.70	23.51	0.86	YES	

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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT. INIT. URBAN EMISSION RATE

SOURCE ID	PART. CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	SOURCE	SCALAR VARY BY
L0112279	0	0.25133E-02	486904.0	3755047.1	532.1	3.70	23.51	0.86	YES	
L0112280	0	0.25133E-02	486954.6	3755046.7	532.3	3.70	23.51	0.86	YES	
L0112281	0	0.25133E-02	487005.1	3755046.2	532.5	3.70	23.51	0.86	YES	
L0112282	0	0.25133E-02	487055.7	3755045.8	532.7	3.70	23.51	0.86	YES	
L0112283	0	0.25133E-02	487106.2	3755045.3	532.9	3.70	23.51	0.86	YES	
L0111873	0	0.11875E-02	487151.1	3755042.2	530.6	3.60	23.38	0.84	YES	
L0111874	0	0.11875E-02	487201.3	3755039.4	528.0	3.60	23.38	0.84	YES	
L0111875	0	0.11875E-02	487251.5	3755036.7	528.5	3.60	23.38	0.84	YES	
L0111876	0	0.11875E-02	487301.7	3755033.9	528.6	3.60	23.38	0.84	YES	
L0111877	0	0.11875E-02	487351.3	3755025.8	526.0	3.60	23.38	0.84	YES	
L0111878	0	0.11875E-02	487400.9	3755017.8	524.6	3.60	23.38	0.84	YES	
L0111879	0	0.11875E-02	487450.5	3755009.8	524.4	3.60	23.38	0.84	YES	
L0111880	0	0.11875E-02	487500.1	3755001.7	526.0	3.60	23.38	0.84	YES	
L0111881	0	0.11875E-02	487549.9	3754996.4	528.3	3.60	23.38	0.84	YES	
L0111882	0	0.11875E-02	487600.2	3754997.7	529.2	3.60	23.38	0.84	YES	
L0111883	0	0.11875E-02	487650.4	3754999.0	526.2	3.60	23.38	0.84	YES	
L0111884	0	0.11875E-02	487700.6	3755000.3	523.0	3.60	23.38	0.84	YES	
L0111885	0	0.11875E-02	487749.5	3754990.1	522.3	3.60	23.38	0.84	YES	
L0111886	0	0.11875E-02	487798.0	3754976.9	523.3	3.60	23.38	0.84	YES	
L0111887	0	0.11875E-02	487846.5	3754963.7	524.1	3.60	23.38	0.84	YES	
L0111888	0	0.11875E-02	487895.0	3754950.4	525.8	3.60	23.38	0.84	YES	
L0111889	0	0.53077E-03	487919.9	3754938.9	524.6	3.50	24.10	0.81	YES	
L0111890	0	0.53077E-03	487964.8	3754913.0	521.9	3.50	24.10	0.81	YES	
L0111891	0	0.53077E-03	488009.7	3754887.1	519.8	3.50	24.10	0.81	YES	
L0111892	0	0.53077E-03	488053.4	3754859.6	519.4	3.50	24.10	0.81	YES	
L0111893	0	0.53077E-03	488094.9	3754828.5	519.2	3.50	24.10	0.81	YES	
L0111894	0	0.53077E-03	488136.3	3754797.4	520.5	3.50	24.10	0.81	YES	
L0111895	0	0.53077E-03	488178.6	3754767.9	521.2	3.50	24.10	0.81	YES	
L0111896	0	0.53077E-03	488228.5	3754753.9	522.9	3.50	24.10	0.81	YES	
L0111897	0	0.53077E-03	488278.4	3754739.9	523.0	3.50	24.10	0.81	YES	
L0111898	0	0.53077E-03	488329.2	3754731.6	521.5	3.50	24.10	0.81	YES	
L0111899	0	0.53077E-03	488380.9	3754728.1	523.9	3.50	24.10	0.81	YES	
L0111900	0	0.53077E-03	488432.6	3754724.6	528.0	3.50	24.10	0.81	YES	
L0111901	0	0.53077E-03	488484.3	3754721.0	524.8	3.50	24.10	0.81	YES	
L0111272	0	0.20861E-02	487131.3	3754448.5	506.6	3.80	17.64	0.88	YES	
L0111273	0	0.20861E-02	487169.2	3754446.5	506.0	3.80	17.64	0.88	YES	
L0111274	0	0.20861E-02	487207.0	3754444.4	508.1	3.80	17.64	0.88	YES	
L0111275	0	0.20861E-02	487244.9	3754442.4	509.1	3.80	17.64	0.88	YES	
L0111276	0	0.20861E-02	487282.8	3754440.4	509.8	3.80	17.64	0.88	YES	
L0111277	0	0.20861E-02	487320.7	3754438.4	509.1	3.80	17.64	0.88	YES	

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111278	0	0.20861E-02	487358.6	3754436.4	509.4	3.80	17.64	0.88	YES	
L0111279	0	0.20861E-02	487396.4	3754434.4	510.4	3.80	17.64	0.88	YES	
L0111280	0	0.20861E-02	487434.3	3754432.4	509.9	3.80	17.64	0.88	YES	
L0111281	0	0.20861E-02	487472.2	3754430.4	509.4	3.80	17.64	0.88	YES	
L0111282	0	0.20861E-02	487510.1	3754428.3	509.9	3.80	17.64	0.88	YES	
L0111283	0	0.20861E-02	487547.9	3754426.3	510.2	3.80	17.64	0.88	YES	
L0111284	0	0.20861E-02	487585.8	3754424.5	509.6	3.80	17.64	0.88	YES	
L0111285	0	0.20861E-02	487623.7	3754425.8	510.1	3.80	17.64	0.88	YES	
L0111286	0	0.20861E-02	487661.6	3754427.1	510.7	3.80	17.64	0.88	YES	
L0111287	0	0.20861E-02	487699.6	3754428.4	510.4	3.80	17.64	0.88	YES	
L0111288	0	0.20861E-02	487736.7	3754435.0	510.8	3.80	17.64	0.88	YES	
L0111289	0	0.20861E-02	487773.2	3754445.1	510.4	3.80	17.64	0.88	YES	
L0111290	0	0.20861E-02	487810.3	3754451.0	509.9	3.80	17.64	0.88	YES	
L0111291	0	0.20861E-02	487848.2	3754450.3	509.8	3.80	17.64	0.88	YES	
L0111292	0	0.20861E-02	487886.1	3754449.6	508.5	3.80	17.64	0.88	YES	
L0111293	0	0.20861E-02	487924.1	3754449.0	507.7	3.80	17.64	0.88	YES	
L0111294	0	0.20861E-02	487962.0	3754448.3	508.4	3.80	17.64	0.88	YES	
L0111295	0	0.20861E-02	487999.9	3754447.6	509.0	3.80	17.64	0.88	YES	
L0111296	0	0.20861E-02	488037.8	3754447.0	508.1	3.80	17.64	0.88	YES	
L0111297	0	0.20861E-02	488075.8	3754446.3	507.2	3.80	17.64	0.88	YES	
L0111298	0	0.20861E-02	488113.7	3754445.6	508.2	3.80	17.64	0.88	YES	
L0111299	0	0.20861E-02	488151.6	3754445.0	508.3	3.80	17.64	0.88	YES	
L0111300	0	0.20861E-02	488189.5	3754444.3	509.3	3.80	17.64	0.88	YES	
L0111301	0	0.20861E-02	488227.5	3754443.6	510.4	3.80	17.64	0.88	YES	
L0111302	0	0.20861E-02	488265.4	3754443.0	510.7	3.80	17.64	0.88	YES	
L0111303	0	0.20861E-02	488303.3	3754442.3	510.9	3.80	17.64	0.88	YES	
L0111304	0	0.20861E-02	488333.9	3754420.0	509.3	3.80	17.64	0.88	YES	
L0111305	0	0.20861E-02	488364.4	3754397.4	506.5	3.80	17.64	0.88	YES	
L0111306	0	0.20861E-02	488394.8	3754374.8	504.5	3.80	17.64	0.88	YES	
L0111307	0	0.20861E-02	488425.3	3754352.2	505.0	3.80	17.64	0.88	YES	
L0111308	0	0.44286E-03	488434.4	3754340.7	505.3	3.10	18.04	0.72	YES	
L0111309	0	0.44286E-03	488457.1	3754309.3	506.0	3.10	18.04	0.72	YES	
L0111310	0	0.44286E-03	488457.7	3754270.7	506.0	3.10	18.04	0.72	YES	
L0111311	0	0.44286E-03	488457.7	3754231.9	505.1	3.10	18.04	0.72	YES	
L0111312	0	0.44286E-03	488457.7	3754193.1	501.0	3.10	18.04	0.72	YES	
L0111313	0	0.44286E-03	488457.7	3754154.3	501.5	3.10	18.04	0.72	YES	
L0111314	0	0.44286E-03	488457.7	3754115.5	503.6	3.10	18.04	0.72	YES	
L0111315	0	0.44286E-03	488457.7	3754076.8	502.9	3.10	18.04	0.72	YES	
L0111316	0	0.44286E-03	488457.7	3754038.0	502.0	3.10	18.04	0.72	YES	
L0111317	0	0.44286E-03	488457.7	3753999.2	502.0	3.10	18.04	0.72	YES	

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111318	0	0.44286E-03	488457.7	3753960.4	502.0	3.10	18.04	0.72	YES	
L0111319	0	0.44286E-03	488457.7	3753921.6	500.4	3.10	18.04	0.72	YES	
L0111320	0	0.44286E-03	488457.7	3753882.8	498.4	3.10	18.04	0.72	YES	
L0111321	0	0.44286E-03	488457.7	3753844.0	497.1	3.10	18.04	0.72	YES	
L0111322	0	0.44286E-03	488457.7	3753805.3	496.8	3.10	18.04	0.72	YES	
L0111323	0	0.44286E-03	488457.7	3753766.5	496.0	3.10	18.04	0.72	YES	
L0111324	0	0.44286E-03	488457.7	3753727.7	495.3	3.10	18.04	0.72	YES	
L0111325	0	0.44286E-03	488457.7	3753688.9	493.9	3.10	18.04	0.72	YES	
L0111326	0	0.44286E-03	488457.7	3753650.1	491.0	3.10	18.04	0.72	YES	
L0111327	0	0.44286E-03	488457.7	3753611.3	488.4	3.10	18.04	0.72	YES	
L0111328	0	0.44286E-03	488457.7	3753572.6	488.0	3.10	18.04	0.72	YES	
L0111329	0	0.44286E-03	488457.7	3753533.8	488.0	3.10	18.04	0.72	YES	
L0111330	0	0.44286E-03	488457.7	3753495.0	488.0	3.10	18.04	0.72	YES	
L0111331	0	0.44286E-03	488457.7	3753456.2	487.2	3.10	18.04	0.72	YES	
L0111332	0	0.44286E-03	488457.7	3753417.4	485.9	3.10	18.04	0.72	YES	
L0111333	0	0.44286E-03	488457.7	3753378.6	485.4	3.10	18.04	0.72	YES	
L0111334	0	0.44286E-03	488457.7	3753339.9	484.0	3.10	18.04	0.72	YES	
L0111335	0	0.44286E-03	488457.7	3753301.1	482.0	3.10	18.04	0.72	YES	
L0112284	0	0.43857E-02	487111.6	3753293.9	490.9	3.50	22.81	0.81	YES	
L0112285	0	0.43857E-02	487160.6	3753293.6	490.4	3.50	22.81	0.81	YES	
L0112286	0	0.43857E-02	487209.6	3753293.2	490.0	3.50	22.81	0.81	YES	
L0112287	0	0.43857E-02	487258.7	3753292.8	489.6	3.50	22.81	0.81	YES	
L0112288	0	0.43857E-02	487307.7	3753292.4	489.1	3.50	22.81	0.81	YES	
L0112289	0	0.43857E-02	487356.7	3753292.1	488.7	3.50	22.81	0.81	YES	
L0112290	0	0.43857E-02	487405.8	3753291.7	488.2	3.50	22.81	0.81	YES	
L0112291	0	0.43857E-02	487454.8	3753291.3	487.8	3.50	22.81	0.81	YES	
L0112292	0	0.43857E-02	487503.8	3753291.0	487.3	3.50	22.81	0.81	YES	
L0112293	0	0.43857E-02	487552.9	3753290.6	486.9	3.50	22.81	0.81	YES	
L0112294	0	0.43857E-02	487601.9	3753290.2	486.4	3.50	22.81	0.81	YES	
L0112295	0	0.43857E-02	487650.9	3753289.8	486.0	3.50	22.81	0.81	YES	
L0112296	0	0.43857E-02	487700.0	3753289.5	485.6	3.50	22.81	0.81	YES	
L0112297	0	0.43857E-02	487749.0	3753289.1	485.1	3.50	22.81	0.81	YES	
L0111916	0	0.46286E-02	487765.1	3753289.0	484.0	3.60	24.24	0.84	YES	
L0111917	0	0.46286E-02	487817.3	3753289.0	485.3	3.60	24.24	0.84	YES	
L0111918	0	0.46286E-02	487869.4	3753289.0	483.2	3.60	24.24	0.84	YES	
L0111919	0	0.46286E-02	487921.5	3753289.0	483.0	3.60	24.24	0.84	YES	
L0111920	0	0.46286E-02	487973.6	3753289.0	484.8	3.60	24.24	0.84	YES	
L0111921	0	0.46286E-02	488025.8	3753289.0	485.6	3.60	24.24	0.84	YES	
L0111922	0	0.46286E-02	488077.9	3753289.0	485.4	3.60	24.24	0.84	YES	
L0111923	0	0.46286E-02	488130.0	3753289.0	485.6	3.60	24.24	0.84	YES	

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111924	0	0.46286E-02	488182.1	3753289.0	485.6	3.60	24.24	0.84	YES	
L0111925	0	0.46286E-02	488234.2	3753289.0	486.3	3.60	24.24	0.84	YES	
L0111926	0	0.46286E-02	488286.4	3753289.0	484.9	3.60	24.24	0.84	YES	
L0111927	0	0.46286E-02	488338.5	3753289.0	484.4	3.60	24.24	0.84	YES	
L0111928	0	0.46286E-02	488390.6	3753289.0	484.6	3.60	24.24	0.84	YES	
L0111929	0	0.46286E-02	488442.7	3753289.0	483.3	3.60	24.24	0.84	YES	
L0111364	0	0.28917E-02	488445.9	3753289.3	481.6	3.60	18.10	0.84	YES	
L0111365	0	0.28917E-02	488446.3	3753250.4	481.0	3.60	18.10	0.84	YES	
L0111366	0	0.28917E-02	488446.8	3753211.5	480.1	3.60	18.10	0.84	YES	
L0111367	0	0.28917E-02	488447.2	3753172.6	479.0	3.60	18.10	0.84	YES	
L0111368	0	0.28917E-02	488447.7	3753133.7	478.5	3.60	18.10	0.84	YES	
L0111369	0	0.28917E-02	488448.1	3753094.8	478.0	3.60	18.10	0.84	YES	
L0111370	0	0.28917E-02	488448.5	3753055.9	477.0	3.60	18.10	0.84	YES	
L0111371	0	0.28917E-02	488449.0	3753017.0	477.0	3.60	18.10	0.84	YES	
L0111372	0	0.28917E-02	488449.4	3752978.1	477.7	3.60	18.10	0.84	YES	
L0111373	0	0.28917E-02	488449.8	3752939.2	479.0	3.60	18.10	0.84	YES	
L0111374	0	0.28917E-02	488450.3	3752900.3	478.0	3.60	18.10	0.84	YES	
L0111375	0	0.28917E-02	488450.7	3752861.4	478.0	3.60	18.10	0.84	YES	
L0111376	0	0.26345E-02	488463.9	3753299.0	481.8	3.40	23.53	0.79	YES	
L0111377	0	0.26345E-02	488514.5	3753298.8	480.9	3.40	23.53	0.79	YES	
L0111378	0	0.26345E-02	488565.1	3753298.7	482.3	3.40	23.53	0.79	YES	
L0111379	0	0.26345E-02	488615.7	3753298.5	484.1	3.40	23.53	0.79	YES	
L0111380	0	0.26345E-02	488666.3	3753298.3	483.2	3.40	23.53	0.79	YES	
L0111381	0	0.26345E-02	488716.9	3753298.1	482.0	3.40	23.53	0.79	YES	
L0111382	0	0.26345E-02	488767.5	3753298.0	482.1	3.40	23.53	0.79	YES	
L0111383	0	0.26345E-02	488818.1	3753297.8	481.1	3.40	23.53	0.79	YES	
L0111384	0	0.26345E-02	488868.7	3753297.6	482.1	3.40	23.53	0.79	YES	
L0111385	0	0.26345E-02	488919.3	3753297.4	483.4	3.40	23.53	0.79	YES	
L0111386	0	0.26345E-02	488969.9	3753297.3	485.9	3.40	23.53	0.79	YES	
L0111387	0	0.26345E-02	489020.5	3753297.1	484.2	3.40	23.53	0.79	YES	
L0111388	0	0.26345E-02	489071.1	3753296.9	484.8	3.40	23.53	0.79	YES	
L0111389	0	0.26345E-02	489121.6	3753296.7	484.9	3.40	23.53	0.79	YES	
L0111390	0	0.26345E-02	489172.2	3753296.5	486.5	3.40	23.53	0.79	YES	
L0111391	0	0.26345E-02	489222.8	3753296.4	491.6	3.40	23.53	0.79	YES	
L0111392	0	0.26345E-02	489273.4	3753296.2	494.4	3.40	23.53	0.79	YES	
L0111393	0	0.26345E-02	489324.0	3753296.0	490.5	3.40	23.53	0.79	YES	
L0111394	0	0.26345E-02	489374.6	3753295.8	489.1	3.40	23.53	0.79	YES	
L0111395	0	0.26345E-02	489425.2	3753295.7	490.3	3.40	23.53	0.79	YES	
L0111396	0	0.26345E-02	489475.8	3753295.5	490.2	3.40	23.53	0.79	YES	
L0111397	0	0.26345E-02	489526.4	3753295.3	490.5	3.40	23.53	0.79	YES	

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111398	0	0.26345E-02	489577.0	3753295.1	493.0	3.40	23.53	0.79	YES	
L0111399	0	0.26345E-02	489627.6	3753295.0	493.4	3.40	23.53	0.79	YES	
L0111400	0	0.26345E-02	489678.2	3753294.8	495.6	3.40	23.53	0.79	YES	
L0111401	0	0.26345E-02	489728.8	3753294.6	496.8	3.40	23.53	0.79	YES	
L0111402	0	0.26345E-02	489779.4	3753294.4	493.4	3.40	23.53	0.79	YES	
L0111403	0	0.26345E-02	489830.0	3753294.3	489.2	3.40	23.53	0.79	YES	
L0111404	0	0.26345E-02	489880.6	3753294.1	491.6	3.40	23.53	0.79	YES	
L0112298	0	0.57667E-02	489900.7	3753294.2	493.2	3.60	22.24	0.84	YES	
L0112299	0	0.57667E-02	489944.6	3753313.0	493.8	3.60	22.24	0.84	YES	
L0112300	0	0.57667E-02	489983.0	3753340.6	495.7	3.60	22.24	0.84	YES	
L0112301	0	0.57667E-02	490018.7	3753372.4	498.2	3.60	22.24	0.84	YES	
L0112302	0	0.57667E-02	490054.3	3753404.3	500.8	3.60	22.24	0.84	YES	
L0112303	0	0.57667E-02	490090.0	3753436.1	503.3	3.60	22.24	0.84	YES	
L0111411	0	0.24385E-02	489898.8	3753280.5	492.3	3.70	15.51	0.86	YES	
L0111412	0	0.24385E-02	489899.2	3753247.1	490.4	3.70	15.51	0.86	YES	
L0111413	0	0.24385E-02	489899.6	3753213.8	488.2	3.70	15.51	0.86	YES	
L0111414	0	0.24385E-02	489900.0	3753180.4	487.0	3.70	15.51	0.86	YES	
L0111415	0	0.24385E-02	489900.4	3753147.1	488.3	3.70	15.51	0.86	YES	
L0111416	0	0.24385E-02	489900.8	3753113.7	491.0	3.70	15.51	0.86	YES	
L0111417	0	0.24385E-02	489901.2	3753080.4	490.6	3.70	15.51	0.86	YES	
L0111418	0	0.24385E-02	489901.6	3753047.0	489.0	3.70	15.51	0.86	YES	
L0111419	0	0.24385E-02	489902.0	3753013.7	487.3	3.70	15.51	0.86	YES	
L0111420	0	0.24385E-02	489902.4	3752980.3	486.2	3.70	15.51	0.86	YES	
L0111421	0	0.24385E-02	489902.8	3752947.0	484.6	3.70	15.51	0.86	YES	
L0111422	0	0.24385E-02	489903.2	3752913.6	482.5	3.70	15.51	0.86	YES	
L0111423	0	0.24385E-02	489903.6	3752880.3	480.4	3.70	15.51	0.86	YES	
L0110727	0	0.17000E-02	489917.3	3752867.0	481.7	3.70	15.35	0.86	YES	
L0110728	0	0.17000E-02	489950.3	3752867.9	483.0	3.70	15.35	0.86	YES	
L0110729	0	0.17000E-02	489983.2	3752868.9	484.0	3.70	15.35	0.86	YES	
L0110730	0	0.17000E-02	490016.2	3752869.8	484.9	3.70	15.35	0.86	YES	
L0110731	0	0.17000E-02	490049.2	3752870.8	486.1	3.70	15.35	0.86	YES	
L0110732	0	0.17000E-02	490082.2	3752871.7	485.7	3.70	15.35	0.86	YES	
L0110733	0	0.17000E-02	490115.2	3752872.7	485.9	3.70	15.35	0.86	YES	
L0110734	0	0.17000E-02	490148.1	3752873.7	486.6	3.70	15.35	0.86	YES	
L0110735	0	0.17000E-02	490181.1	3752874.6	486.0	3.70	15.35	0.86	YES	
L0110736	0	0.17000E-02	490214.1	3752875.6	484.1	3.70	15.35	0.86	YES	
L0110737	0	0.17000E-02	490247.1	3752876.5	482.6	3.70	15.35	0.86	YES	
L0111424	0	0.10636E-02	488454.3	3752857.1	478.0	3.70	15.60	0.86	YES	
L0111425	0	0.10636E-02	488487.8	3752858.9	478.7	3.70	15.60	0.86	YES	
L0111426	0	0.10636E-02	488521.3	3752860.6	477.6	3.70	15.60	0.86	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111427	0	0.10636E-02	488554.8	3752862.3	475.5	3.70	15.60	0.86	YES	
L0111428	0	0.10636E-02	488588.3	3752864.1	475.3	3.70	15.60	0.86	YES	
L0111429	0	0.10636E-02	488621.7	3752865.8	476.6	3.70	15.60	0.86	YES	
L0111430	0	0.10636E-02	488655.2	3752867.6	478.0	3.70	15.60	0.86	YES	
L0111431	0	0.10636E-02	488688.7	3752869.3	478.5	3.70	15.60	0.86	YES	
L0111432	0	0.10636E-02	488722.2	3752871.1	477.6	3.70	15.60	0.86	YES	
L0111433	0	0.10636E-02	488755.7	3752872.8	477.4	3.70	15.60	0.86	YES	
L0111434	0	0.10636E-02	488789.2	3752874.6	478.3	3.70	15.60	0.86	YES	
L0111435	0	0.10636E-02	488822.6	3752876.3	478.2	3.70	15.60	0.86	YES	
L0111436	0	0.10636E-02	488856.1	3752878.1	478.1	3.70	15.60	0.86	YES	
L0111437	0	0.10636E-02	488889.6	3752879.8	478.0	3.70	15.60	0.86	YES	
L0111438	0	0.10636E-02	488923.1	3752881.6	477.7	3.70	15.60	0.86	YES	
L0111439	0	0.10636E-02	488956.6	3752883.3	478.2	3.70	15.60	0.86	YES	
L0111440	0	0.10636E-02	488990.1	3752885.1	479.7	3.70	15.60	0.86	YES	
L0111441	0	0.10636E-02	489023.5	3752886.8	481.4	3.70	15.60	0.86	YES	
L0111442	0	0.10636E-02	489057.1	3752886.3	482.7	3.70	15.60	0.86	YES	
L0111443	0	0.10636E-02	489090.6	3752885.7	481.8	3.70	15.60	0.86	YES	
L0111444	0	0.10636E-02	489124.1	3752885.1	480.7	3.70	15.60	0.86	YES	
L0111445	0	0.10636E-02	489157.6	3752884.5	479.8	3.70	15.60	0.86	YES	
L0111446	0	0.10636E-02	489191.2	3752884.0	478.8	3.70	15.60	0.86	YES	
L0111447	0	0.10636E-02	489224.7	3752883.4	478.7	3.70	15.60	0.86	YES	
L0111448	0	0.10636E-02	489258.2	3752882.8	479.7	3.70	15.60	0.86	YES	
L0111449	0	0.10636E-02	489291.7	3752882.2	480.1	3.70	15.60	0.86	YES	
L0111450	0	0.10636E-02	489325.3	3752881.7	480.1	3.70	15.60	0.86	YES	
L0111451	0	0.10636E-02	489358.8	3752881.1	480.1	3.70	15.60	0.86	YES	
L0111452	0	0.10636E-02	489392.3	3752880.5	480.0	3.70	15.60	0.86	YES	
L0111453	0	0.10636E-02	489425.8	3752879.9	480.2	3.70	15.60	0.86	YES	
L0111454	0	0.10636E-02	489459.4	3752879.4	481.3	3.70	15.60	0.86	YES	
L0111455	0	0.10636E-02	489492.9	3752878.8	481.9	3.70	15.60	0.86	YES	
L0111456	0	0.10636E-02	489526.4	3752878.2	481.9	3.70	15.60	0.86	YES	
L0111457	0	0.10636E-02	489559.9	3752877.6	482.5	3.70	15.60	0.86	YES	
L0111458	0	0.10636E-02	489593.5	3752877.1	483.5	3.70	15.60	0.86	YES	
L0111459	0	0.10636E-02	489627.0	3752876.5	484.7	3.70	15.60	0.86	YES	
L0111460	0	0.10636E-02	489660.5	3752875.9	484.9	3.70	15.60	0.86	YES	
L0111461	0	0.10636E-02	489694.0	3752875.3	483.8	3.70	15.60	0.86	YES	
L0111462	0	0.10636E-02	489727.6	3752874.8	484.1	3.70	15.60	0.86	YES	
L0111463	0	0.10636E-02	489761.1	3752874.2	485.3	3.70	15.60	0.86	YES	
L0111464	0	0.10636E-02	489794.6	3752873.6	484.9	3.70	15.60	0.86	YES	
L0111465	0	0.10636E-02	489828.1	3752873.0	482.8	3.70	15.60	0.86	YES	
L0111466	0	0.10636E-02	489861.7	3752872.5	480.7	3.70	15.60	0.86	YES	

**MODELOPTS: NonDFAULT CONC ELEV

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111467	0	0.10636E-02	489895.2	3752871.9	480.3	3.70	15.60	0.86	YES	
L0112304	0	0.25552E-02	488256.0	3755293.6	547.8	3.70	9.20	0.86	YES	
L0112305	0	0.25552E-02	488263.4	3755275.3	547.1	3.70	9.20	0.86	YES	
L0112306	0	0.25552E-02	488270.8	3755256.9	546.3	3.70	9.20	0.86	YES	
L0112307	0	0.25552E-02	488278.2	3755238.6	545.6	3.70	9.20	0.86	YES	
L0112308	0	0.25552E-02	488285.6	3755220.3	544.9	3.70	9.20	0.86	YES	
L0112309	0	0.25552E-02	488293.0	3755201.9	544.1	3.70	9.20	0.86	YES	
L0112310	0	0.25552E-02	488300.4	3755183.6	543.4	3.70	9.20	0.86	YES	
L0112311	0	0.25552E-02	488307.8	3755165.2	542.7	3.70	9.20	0.86	YES	
L0112312	0	0.25552E-02	488315.2	3755146.9	541.9	3.70	9.20	0.86	YES	
L0112313	0	0.25552E-02	488322.7	3755128.6	541.2	3.70	9.20	0.86	YES	
L0112314	0	0.25552E-02	488330.1	3755110.2	540.4	3.70	9.20	0.86	YES	
L0112315	0	0.25552E-02	488337.5	3755091.9	539.7	3.70	9.20	0.86	YES	
L0112316	0	0.25552E-02	488344.9	3755073.6	539.0	3.70	9.20	0.86	YES	
L0112317	0	0.25552E-02	488352.3	3755055.2	538.2	3.70	9.20	0.86	YES	
L0112318	0	0.25552E-02	488359.7	3755036.9	537.5	3.70	9.20	0.86	YES	
L0112319	0	0.25552E-02	488367.1	3755018.5	536.8	3.70	9.20	0.86	YES	
L0112320	0	0.25552E-02	488374.5	3755000.2	536.0	3.70	9.20	0.86	YES	
L0112321	0	0.25552E-02	488381.9	3754981.9	535.3	3.70	9.20	0.86	YES	
L0112322	0	0.25552E-02	488389.3	3754963.5	534.5	3.70	9.20	0.86	YES	
L0112323	0	0.25552E-02	488396.7	3754945.2	533.8	3.70	9.20	0.86	YES	
L0112324	0	0.25552E-02	488404.1	3754926.9	533.1	3.70	9.20	0.86	YES	
L0112325	0	0.25552E-02	488411.5	3754908.5	532.3	3.70	9.20	0.86	YES	
L0112326	0	0.25552E-02	488418.9	3754890.2	531.6	3.70	9.20	0.86	YES	
L0112327	0	0.25552E-02	488426.3	3754871.8	530.9	3.70	9.20	0.86	YES	
L0112328	0	0.25552E-02	488433.7	3754853.5	530.1	3.70	9.20	0.86	YES	
L0112329	0	0.25552E-02	488441.1	3754835.2	529.4	3.70	9.20	0.86	YES	
L0112330	0	0.25552E-02	488448.6	3754816.8	528.7	3.70	9.20	0.86	YES	
L0112331	0	0.25552E-02	488456.0	3754798.5	527.9	3.70	9.20	0.86	YES	
L0112332	0	0.25552E-02	488463.4	3754780.1	527.2	3.70	9.20	0.86	YES	
L0112333	0	0.27890E-02	488468.1	3754776.1	526.9	3.70	9.32	0.86	YES	
L0112334	0	0.27890E-02	488477.9	3754758.6	526.5	3.70	9.32	0.86	YES	
L0112335	0	0.27890E-02	488487.7	3754741.2	526.1	3.70	9.32	0.86	YES	
L0112336	0	0.27890E-02	488497.6	3754723.7	525.7	3.70	9.32	0.86	YES	
L0112337	0	0.27890E-02	488507.4	3754706.3	525.3	3.70	9.32	0.86	YES	
L0112338	0	0.27890E-02	488517.3	3754688.8	524.9	3.70	9.32	0.86	YES	
L0112339	0	0.27890E-02	488527.1	3754671.4	524.5	3.70	9.32	0.86	YES	
L0112340	0	0.27890E-02	488536.9	3754653.9	524.0	3.70	9.32	0.86	YES	
L0112341	0	0.27890E-02	488546.8	3754636.5	523.6	3.70	9.32	0.86	YES	
L0112342	0	0.27890E-02	488556.6	3754619.0	523.2	3.70	9.32	0.86	YES	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112343	0	0.27890E-02	488566.5	3754601.6	522.8	3.70	9.32	0.86	YES	
L0112344	0	0.27890E-02	488576.3	3754584.1	522.4	3.70	9.32	0.86	YES	
L0112345	0	0.27890E-02	488586.1	3754566.7	522.0	3.70	9.32	0.86	YES	
L0112346	0	0.27890E-02	488596.0	3754549.2	521.6	3.70	9.32	0.86	YES	
L0112347	0	0.27890E-02	488605.8	3754531.8	521.2	3.70	9.32	0.86	YES	
L0112348	0	0.27890E-02	488615.6	3754514.3	520.8	3.70	9.32	0.86	YES	
L0112349	0	0.27890E-02	488625.5	3754496.9	520.4	3.70	9.32	0.86	YES	
L0112350	0	0.27890E-02	488635.3	3754479.4	520.0	3.70	9.32	0.86	YES	
L0112351	0	0.27890E-02	488645.2	3754462.0	519.6	3.70	9.32	0.86	YES	
L0112352	0	0.27890E-02	488655.0	3754444.5	519.2	3.70	9.32	0.86	YES	
L0112353	0	0.27890E-02	488664.8	3754427.1	518.8	3.70	9.32	0.86	YES	
L0112354	0	0.27890E-02	488674.7	3754409.6	518.4	3.70	9.32	0.86	YES	
L0112355	0	0.27890E-02	488684.5	3754392.2	518.0	3.70	9.32	0.86	YES	
L0112356	0	0.27890E-02	488694.4	3754374.7	517.5	3.70	9.32	0.86	YES	
L0112357	0	0.27890E-02	488704.2	3754357.3	517.1	3.70	9.32	0.86	YES	
L0112358	0	0.27890E-02	488714.0	3754339.8	516.7	3.70	9.32	0.86	YES	
L0112359	0	0.27890E-02	488723.9	3754322.4	516.3	3.70	9.32	0.86	YES	
L0112360	0	0.27890E-02	488734.7	3754305.7	515.9	3.70	9.32	0.86	YES	
L0112361	0	0.27890E-02	488750.1	3754293.0	515.6	3.70	9.32	0.86	YES	
L0112362	0	0.27890E-02	488765.6	3754280.2	515.3	3.70	9.32	0.86	YES	
L0112363	0	0.27890E-02	488781.0	3754267.5	514.9	3.70	9.32	0.86	YES	
L0112364	0	0.27890E-02	488796.5	3754254.7	514.6	3.70	9.32	0.86	YES	
L0112365	0	0.27890E-02	488811.9	3754241.9	514.3	3.70	9.32	0.86	YES	
L0112366	0	0.27890E-02	488827.4	3754229.2	513.9	3.70	9.32	0.86	YES	
L0112367	0	0.27890E-02	488842.8	3754216.4	513.6	3.70	9.32	0.86	YES	
L0112368	0	0.27890E-02	488858.2	3754203.7	513.3	3.70	9.32	0.86	YES	
L0112369	0	0.27890E-02	488873.7	3754190.9	512.9	3.70	9.32	0.86	YES	
L0112370	0	0.27890E-02	488889.1	3754178.1	512.6	3.70	9.32	0.86	YES	
L0112371	0	0.27890E-02	488904.6	3754165.4	512.3	3.70	9.32	0.86	YES	
L0112372	0	0.27890E-02	488920.0	3754152.6	511.9	3.70	9.32	0.86	YES	
L0112373	0	0.27890E-02	488935.5	3754139.9	511.6	3.70	9.32	0.86	YES	
L0112374	0	0.27890E-02	488950.9	3754127.1	511.3	3.70	9.32	0.86	YES	
L0112375	0	0.27890E-02	488966.7	3754114.8	511.0	3.70	9.32	0.86	YES	
L0112376	0	0.27890E-02	488983.8	3754104.4	510.9	3.70	9.32	0.86	YES	
L0112377	0	0.27890E-02	489000.9	3754093.9	510.7	3.70	9.32	0.86	YES	
L0112378	0	0.27890E-02	489018.0	3754083.5	510.6	3.70	9.32	0.86	YES	
L0112379	0	0.27890E-02	489035.1	3754073.0	510.5	3.70	9.32	0.86	YES	
L0112380	0	0.27890E-02	489052.2	3754062.6	510.4	3.70	9.32	0.86	YES	
L0112381	0	0.27890E-02	489069.3	3754052.2	510.2	3.70	9.32	0.86	YES	
L0112382	0	0.27890E-02	489086.4	3754041.7	510.1	3.70	9.32	0.86	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112383	0	0.27890E-02	489103.5	3754031.3	510.0	3.70	9.32	0.86	YES	
L0112384	0	0.27890E-02	489120.6	3754020.8	509.9	3.70	9.32	0.86	YES	
L0112385	0	0.27890E-02	489137.7	3754010.4	509.8	3.70	9.32	0.86	YES	
L0112386	0	0.27890E-02	489154.8	3754000.0	509.7	3.70	9.32	0.86	YES	
L0112387	0	0.27890E-02	489171.9	3753989.5	509.5	3.70	9.32	0.86	YES	
L0112388	0	0.27890E-02	489189.0	3753979.1	509.4	3.70	9.32	0.86	YES	
L0112389	0	0.27890E-02	489206.1	3753968.6	509.3	3.70	9.32	0.86	YES	
L0112390	0	0.27890E-02	489223.2	3753958.2	509.2	3.70	9.32	0.86	YES	
L0112391	0	0.27890E-02	489240.2	3753947.8	509.1	3.70	9.32	0.86	YES	
L0112392	0	0.27890E-02	489257.3	3753937.3	508.9	3.70	9.32	0.86	YES	
L0112393	0	0.27890E-02	489274.4	3753926.9	508.8	3.70	9.32	0.86	YES	
L0112394	0	0.27890E-02	489291.5	3753916.4	508.7	3.70	9.32	0.86	YES	
L0112395	0	0.27890E-02	489308.6	3753906.0	508.6	3.70	9.32	0.86	YES	
L0112396	0	0.27890E-02	489325.7	3753895.6	508.4	3.70	9.32	0.86	YES	
L0112397	0	0.27890E-02	489342.8	3753885.1	508.3	3.70	9.32	0.86	YES	
L0112398	0	0.27890E-02	489359.9	3753874.7	508.2	3.70	9.32	0.86	YES	
L0112399	0	0.27890E-02	489377.0	3753864.2	508.1	3.70	9.32	0.86	YES	
L0112400	0	0.27890E-02	489394.1	3753853.8	508.0	3.70	9.32	0.86	YES	
L0112401	0	0.27890E-02	489411.2	3753843.4	507.9	3.70	9.32	0.86	YES	
L0112402	0	0.27890E-02	489428.3	3753832.9	507.7	3.70	9.32	0.86	YES	
L0112403	0	0.27890E-02	489445.4	3753822.5	507.6	3.70	9.32	0.86	YES	
L0112404	0	0.27890E-02	489462.5	3753812.0	507.5	3.70	9.32	0.86	YES	
L0112405	0	0.27890E-02	489479.6	3753801.6	507.4	3.70	9.32	0.86	YES	
L0112406	0	0.27890E-02	489496.7	3753791.2	507.2	3.70	9.32	0.86	YES	
L0112407	0	0.27890E-02	489513.8	3753780.7	507.1	3.70	9.32	0.86	YES	
L0112408	0	0.27890E-02	489530.9	3753770.3	507.0	3.70	9.32	0.86	YES	
L0112409	0	0.27890E-02	489548.0	3753759.8	506.9	3.70	9.32	0.86	YES	
L0112410	0	0.27890E-02	489565.1	3753749.4	506.8	3.70	9.32	0.86	YES	
L0112411	0	0.27890E-02	489582.2	3753739.0	506.6	3.70	9.32	0.86	YES	
L0112412	0	0.27890E-02	489599.3	3753728.5	506.5	3.70	9.32	0.86	YES	
L0112413	0	0.27890E-02	489616.4	3753718.1	506.4	3.70	9.32	0.86	YES	
L0112414	0	0.27890E-02	489633.5	3753707.6	506.3	3.70	9.32	0.86	YES	
L0112415	0	0.27890E-02	489650.6	3753697.2	506.2	3.70	9.32	0.86	YES	
L0112416	0	0.27890E-02	489667.7	3753686.8	506.0	3.70	9.32	0.86	YES	
L0112417	0	0.27890E-02	489684.8	3753676.3	505.9	3.70	9.32	0.86	YES	
L0112418	0	0.27890E-02	489701.9	3753665.9	505.8	3.70	9.32	0.86	YES	
L0112419	0	0.27890E-02	489719.0	3753655.4	505.7	3.70	9.32	0.86	YES	
L0112420	0	0.27890E-02	489736.1	3753645.0	505.6	3.70	9.32	0.86	YES	
L0112421	0	0.27890E-02	489753.2	3753634.6	505.4	3.70	9.32	0.86	YES	
L0112422	0	0.27890E-02	489770.3	3753624.1	505.3	3.70	9.32	0.86	YES	

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112423	0	0.27890E-02	489787.4	3753613.7	505.2	3.70	9.32	0.86	YES	
L0112424	0	0.27890E-02	489804.5	3753603.2	505.1	3.70	9.32	0.86	YES	
L0112425	0	0.27890E-02	489821.6	3753592.8	505.0	3.70	9.32	0.86	YES	
L0112426	0	0.27890E-02	489838.7	3753582.4	504.8	3.70	9.32	0.86	YES	
L0112427	0	0.27890E-02	489855.8	3753571.9	504.7	3.70	9.32	0.86	YES	
L0112428	0	0.27890E-02	489872.9	3753561.5	504.6	3.70	9.32	0.86	YES	
L0112429	0	0.27890E-02	489890.0	3753551.0	504.5	3.70	9.32	0.86	YES	
L0112430	0	0.27890E-02	489907.1	3753540.6	504.4	3.70	9.32	0.86	YES	
L0112431	0	0.27890E-02	489924.2	3753530.2	504.2	3.70	9.32	0.86	YES	
L0112432	0	0.27890E-02	489941.3	3753519.7	504.1	3.70	9.32	0.86	YES	
L0112433	0	0.27890E-02	489958.4	3753509.3	504.0	3.70	9.32	0.86	YES	
L0112434	0	0.27890E-02	489975.5	3753498.8	503.9	3.70	9.32	0.86	YES	
L0112435	0	0.27890E-02	489992.6	3753488.4	503.8	3.70	9.32	0.86	YES	
L0112436	0	0.27890E-02	490009.7	3753478.0	503.6	3.70	9.32	0.86	YES	
L0112437	0	0.27890E-02	490026.7	3753467.5	503.5	3.70	9.32	0.86	YES	
L0112438	0	0.27890E-02	490043.8	3753457.1	503.4	3.70	9.32	0.86	YES	
L0112439	0	0.27890E-02	490060.9	3753446.6	503.3	3.70	9.32	0.86	YES	
L0112440	0	0.27890E-02	490078.0	3753436.2	503.2	3.70	9.32	0.86	YES	
L0112441	0	0.27890E-02	490095.1	3753425.8	503.0	3.70	9.32	0.86	YES	
L0112442	0	0.95641E-03	490104.1	3753442.3	503.9	3.20	9.38	0.74	YES	
L0112443	0	0.95641E-03	490121.5	3753432.0	503.5	3.20	9.38	0.74	YES	
L0112444	0	0.95641E-03	490138.9	3753421.8	503.2	3.20	9.38	0.74	YES	
L0112445	0	0.95641E-03	490156.2	3753411.5	502.8	3.20	9.38	0.74	YES	
L0112446	0	0.95641E-03	490173.6	3753401.2	502.4	3.20	9.38	0.74	YES	
L0112447	0	0.95641E-03	490191.0	3753391.0	502.0	3.20	9.38	0.74	YES	
L0112448	0	0.95641E-03	490208.3	3753380.7	501.6	3.20	9.38	0.74	YES	
L0112449	0	0.95641E-03	490225.7	3753370.4	501.3	3.20	9.38	0.74	YES	
L0112450	0	0.95641E-03	490243.1	3753360.2	500.9	3.20	9.38	0.74	YES	
L0112451	0	0.95641E-03	490260.4	3753349.9	500.5	3.20	9.38	0.74	YES	
L0112452	0	0.95641E-03	490277.8	3753339.7	500.1	3.20	9.38	0.74	YES	
L0112453	0	0.95641E-03	490295.2	3753329.4	499.8	3.20	9.38	0.74	YES	
L0112454	0	0.95641E-03	490312.5	3753319.1	499.4	3.20	9.38	0.74	YES	
L0112455	0	0.95641E-03	490329.9	3753308.9	499.0	3.20	9.38	0.74	YES	
L0112456	0	0.95641E-03	490347.3	3753298.6	498.6	3.20	9.38	0.74	YES	
L0112457	0	0.95641E-03	490364.6	3753288.3	498.2	3.20	9.38	0.74	YES	
L0112458	0	0.95641E-03	490382.0	3753278.1	497.9	3.20	9.38	0.74	YES	
L0112459	0	0.95641E-03	490399.4	3753267.8	497.5	3.20	9.38	0.74	YES	
L0112460	0	0.95641E-03	490416.7	3753257.6	497.1	3.20	9.38	0.74	YES	
L0112461	0	0.95641E-03	490434.1	3753247.3	496.8	3.20	9.38	0.74	YES	
L0112462	0	0.95641E-03	490451.5	3753237.0	496.4	3.20	9.38	0.74	YES	

**MODELOPTS: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112463	0	0.95641E-03	490468.8	3753226.8	496.0	3.20	9.38	0.74	YES	
L0112464	0	0.95641E-03	490486.2	3753216.5	495.6	3.20	9.38	0.74	YES	
L0112465	0	0.95641E-03	490503.6	3753206.2	495.2	3.20	9.38	0.74	YES	
L0112466	0	0.95641E-03	490520.9	3753196.0	494.9	3.20	9.38	0.74	YES	
L0112467	0	0.95641E-03	490538.3	3753185.7	494.5	3.20	9.38	0.74	YES	
L0112468	0	0.95641E-03	490555.7	3753175.5	494.1	3.20	9.38	0.74	YES	
L0112469	0	0.95641E-03	490573.0	3753165.2	493.7	3.20	9.38	0.74	YES	
L0112470	0	0.95641E-03	490590.4	3753154.9	493.4	3.20	9.38	0.74	YES	
L0112471	0	0.95641E-03	490607.8	3753144.7	493.0	3.20	9.38	0.74	YES	
L0112472	0	0.95641E-03	490625.1	3753134.4	492.6	3.20	9.38	0.74	YES	
L0112473	0	0.95641E-03	490642.5	3753124.1	492.2	3.20	9.38	0.74	YES	
L0112474	0	0.95641E-03	490657.6	3753111.4	491.7	3.20	9.38	0.74	YES	
L0112475	0	0.95641E-03	490669.5	3753095.1	491.1	3.20	9.38	0.74	YES	
L0112476	0	0.95641E-03	490681.4	3753078.8	490.5	3.20	9.38	0.74	YES	
L0112477	0	0.95641E-03	490693.3	3753062.5	489.8	3.20	9.38	0.74	YES	
L0112478	0	0.95641E-03	490705.2	3753046.2	489.2	3.20	9.38	0.74	YES	
L0112479	0	0.95641E-03	490717.1	3753029.9	488.6	3.20	9.38	0.74	YES	
L0112480	0	0.95641E-03	490729.0	3753013.6	487.9	3.20	9.38	0.74	YES	
L0112481	0	0.95641E-03	490740.9	3752997.3	487.3	3.20	9.38	0.74	YES	
L0112482	0	0.95641E-03	490752.8	3752981.1	486.7	3.20	9.38	0.74	YES	
L0112483	0	0.95641E-03	490764.7	3752964.8	486.0	3.20	9.38	0.74	YES	
L0112484	0	0.95641E-03	490776.6	3752948.5	485.4	3.20	9.38	0.74	YES	
L0112485	0	0.95641E-03	490788.4	3752932.2	484.8	3.20	9.38	0.74	YES	
L0112486	0	0.95641E-03	490800.3	3752915.9	484.1	3.20	9.38	0.74	YES	
L0112487	0	0.95641E-03	490812.2	3752899.6	483.5	3.20	9.38	0.74	YES	
L0112488	0	0.95641E-03	490824.1	3752883.3	482.9	3.20	9.38	0.74	YES	
L0112489	0	0.95641E-03	490836.0	3752867.0	482.2	3.20	9.38	0.74	YES	
L0112490	0	0.95641E-03	490847.9	3752850.7	481.6	3.20	9.38	0.74	YES	
L0112491	0	0.95641E-03	490859.8	3752834.4	480.9	3.20	9.38	0.74	YES	
L0112492	0	0.95641E-03	490871.7	3752818.1	480.3	3.20	9.38	0.74	YES	
L0112493	0	0.95641E-03	490883.6	3752801.8	479.7	3.20	9.38	0.74	YES	
L0112494	0	0.95641E-03	490895.5	3752785.5	479.0	3.20	9.38	0.74	YES	
L0112495	0	0.95641E-03	490907.4	3752769.2	478.4	3.20	9.38	0.74	YES	
L0112496	0	0.95641E-03	490919.2	3752752.9	477.8	3.20	9.38	0.74	YES	
L0112497	0	0.95641E-03	490931.1	3752736.6	477.1	3.20	9.38	0.74	YES	
L0112498	0	0.95641E-03	490943.0	3752720.3	476.5	3.20	9.38	0.74	YES	
L0112499	0	0.95641E-03	490954.9	3752704.0	475.9	3.20	9.38	0.74	YES	
L0112500	0	0.95641E-03	490966.8	3752687.7	475.2	3.20	9.38	0.74	YES	
L0112501	0	0.95641E-03	490978.7	3752671.4	474.6	3.20	9.38	0.74	YES	
L0112502	0	0.95641E-03	490990.6	3752655.1	474.0	3.20	9.38	0.74	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112503	0	0.95641E-03	491002.5	3752638.8	473.3	3.20	9.38	0.74	YES	
L0112504	0	0.95641E-03	491014.4	3752622.6	472.7	3.20	9.38	0.74	YES	
L0112505	0	0.95641E-03	491026.3	3752606.3	472.1	3.20	9.38	0.74	YES	
L0112506	0	0.95641E-03	491038.2	3752590.0	471.4	3.20	9.38	0.74	YES	
L0112507	0	0.95641E-03	491050.1	3752573.7	470.8	3.20	9.38	0.74	YES	
L0112508	0	0.95641E-03	491061.9	3752557.4	470.2	3.20	9.38	0.74	YES	
L0112509	0	0.95641E-03	491073.8	3752541.1	469.5	3.20	9.38	0.74	YES	
L0112510	0	0.95641E-03	491085.7	3752524.8	468.9	3.20	9.38	0.74	YES	
L0112511	0	0.95641E-03	491097.6	3752508.5	468.2	3.20	9.38	0.74	YES	
L0112512	0	0.95641E-03	491109.5	3752492.2	467.6	3.20	9.38	0.74	YES	
L0112513	0	0.95641E-03	491121.4	3752475.9	467.0	3.20	9.38	0.74	YES	
L0112514	0	0.95641E-03	491133.3	3752459.6	466.3	3.20	9.38	0.74	YES	
L0112515	0	0.95641E-03	491145.2	3752443.3	465.7	3.20	9.38	0.74	YES	
L0112516	0	0.95641E-03	491157.1	3752427.0	465.1	3.20	9.38	0.74	YES	
L0112517	0	0.95641E-03	491169.0	3752410.7	464.4	3.20	9.38	0.74	YES	
L0112518	0	0.95641E-03	491180.9	3752394.4	463.8	3.20	9.38	0.74	YES	
L0112519	0	0.95641E-03	491192.7	3752378.1	463.2	3.20	9.38	0.74	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
PHASE1	0	0.32200E-06	485577.5	3755020.4	527.6	3.90	11	0.00	YES	
PHASE2	0	0.29800E-06	485955.1	3753354.8	492.2	3.90	24	0.00	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                   *** NO2 - LST Assessment (No Refrigeration)                                  ***        09:58:54
                                                                                                                           PAGE  22
 **MODELOPTS:  NonDFAULT CONC                                                    ELEV
                        FASTALL                                                        OLM
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                   *** NO2 - LST Assessment (No Refrigeration)                                  ***        09:58:54
                                                                                                                           PAGE  23
 **MODELOPTS:  NonDFAULT CONC                                                    ELEV
                        FASTALL                                                        OLM
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*** SOURCE IDs DEFINING SOURCE GROUPS ***
Page 30

GROUP ID SOURCE IDs

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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                   *** NO2 - LST Assessment (No Refrigeration)                                 ***        09:58:54
                                                                                                                          PAGE  26
 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                        FASTALL                                                          OLM

                                        *** SOURCE IDs DEFINING OLM SOURCE GROUPS ***
                                        ***        FOR COMBINING PLUMES           ***

 OLMGRP ID                                                 SOURCE IDs


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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                   *** NO2 - LST Assessment (No Refrigeration)                                 ***        09:58:54
                                                                                                                          PAGE  27
 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                        FASTALL                                                          OLM

                                        *** SOURCE IDs DEFINING OLM SOURCE GROUPS ***
                                        ***        FOR COMBINING PLUMES           ***

 OLMGRP ID                                                 SOURCE IDs

            L0112216    , L0112217    , L0112218    , L0112219    , L0112220    , L0112221    , L0112222    , L0112223    ,
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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                    *** NO2 - LST Assessment (No Refrigeration)                                 ***        09:58:54
                                                                                                                           PAGE  28
 **MODELOPTs:  NonDFAULT CONC                                                    ELEV
                         FASTALL                                                    OLM

                                        *** SOURCE IDs DEFINING OLM SOURCE GROUPS ***
                                        ***        FOR COMBINING PLUMES           ***

 OLMGRP ID                                                SOURCE IDs

          L0111317    , L0111318    , L0111319    , L0111320    , L0111321    , L0111322    , L0111323    , L0111324    ,
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          L0111413    , L0111414    , L0111415    , L0111416    , L0111417    , L0111418    , L0111419    , L0111420    ,
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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                    *** NO2 - LST Assessment (No Refrigeration)                                 ***        09:58:54
                                                                                                                           PAGE  29
 **MODELOPTs:  NonDFAULT CONC                                                    ELEV
                         FASTALL                                                    OLM

                                        *** SOURCE IDs DEFINING OLM SOURCE GROUPS ***
                                        ***        FOR COMBINING PLUMES           ***

 OLMGRP ID                                                SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                   *** NO2 - LST Assessment (No Refrigeration)                                  ***        09:58:54
                                                                                                                           PAGE  30
 **MODELOPTs:  NonDFAULT CONC                                                ELEV
                         FASTALL                                                   OLM

                                        *** SOURCE IDs DEFINING OLM SOURCE GROUPS ***
                                        ***        FOR COMBINING PLUMES           ***

 OLMGRP ID                                                  SOURCE IDs

          L0112462    , L0112463    , L0112464    , L0112465    , L0112466    , L0112467    , L0112468    , L0112469    ,

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          L0112518    , L0112519    , PHASE2      ,
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                   *** NO2 - LST Assessment (No Refrigeration)                                  ***        09:58:54
                                                                                                                           PAGE  31
 **MODELOPTs:  NonDFAULT CONC                                                ELEV
                         FASTALL                                                   OLM

                                        *** IN-STACK NO2 RATIOS FOR OLM/PVMRM OPTIONS ***

 SOURCE_ID    NO2_RATIO      SOURCE_ID    NO2_RATIO      SOURCE_ID    NO2_RATIO      SOURCE_ID    NO2_RATIO

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 L0112159       0.100        L0112160       0.100        L0112161       0.100        L0112162       0.100
 L0112163       0.100        L0112164       0.100        L0112165       0.100        L0112166       0.100
 L0112167       0.100        L0111014       0.100        L0111015       0.100        L0111016       0.100
 L0111017       0.100        L0111018       0.100        L0111019       0.100        L0111020       0.100
 L0111021       0.100        L0111022       0.100        L0111023       0.100        L0111024       0.100
 L0111025       0.100        L0111026       0.100        L0111027       0.100        L0111028       0.100
 L0111029       0.100        L0111030       0.100        L0111031       0.100        L0111032       0.100
 L0111033       0.100        L0111034       0.100        L0111035       0.100        L0111036       0.100
 L0111037       0.100        L0111038       0.100        L0111039       0.100        L0111040       0.100
 L0111041       0.100        L0111042       0.100        L0111043       0.100        L0111044       0.100
 L0111045       0.100        L0111046       0.100        L0111047       0.100        L0111048       0.100
 L0111049       0.100        L0111050       0.100        L0111051       0.100        L0111052       0.100
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 L0111069       0.100        L0112168       0.100        L0112169       0.100        L0112170       0.100
 L0112171       0.100        L0112172       0.100        L0112173       0.100        L0112174       0.100
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 L0112212       0.100        L0112213       0.100        L0112214       0.100        L0112215       0.100
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                   *** NO2 - LST Assessment (No Refrigeration)                                  ***        09:58:54
                                                                                                                           PAGE  32
 **MODELOPTs:  NonDFAULT CONC                                                ELEV
                         FASTALL                                                   OLM

                                        *** IN-STACK NO2 RATIOS FOR OLM/PVMRM OPTIONS ***

 SOURCE_ID    NO2_RATIO      SOURCE_ID    NO2_RATIO      SOURCE_ID    NO2_RATIO      SOURCE_ID    NO2_RATIO

 L0112216       0.100        L0112217       0.100        L0112218       0.100        L0112219       0.100
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 L0112224       0.100        L0112225       0.100        L0112226       0.100        L0112227       0.100
 L0112228       0.100        L0112229       0.100        L0112230       0.100        L0112231       0.100
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L0112252	0.100	L0112253	0.100	L0112254	0.100	L0112255	0.100
L0112256	0.100	L0112257	0.100	L0112258	0.100	L0112259	0.100
L0112260	0.100	L0112261	0.100	L0112262	0.100	L0112263	0.100
L0112264	0.100	L0112265	0.100	L0112266	0.100	L0112267	0.100
L0112268	0.100	L0111840	0.100	L0111841	0.100	L0111842	0.100
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L0111847	0.100	L0111848	0.100	L0111849	0.100	L0111850	0.100
L0111851	0.100	L0111852	0.100	L0111853	0.100	L0111854	0.100
L0111855	0.100	L0111856	0.100	L0111857	0.100	L0112269	0.100
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L0111875	0.100	L0111876	0.100	L0111877	0.100	L0111878	0.100
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L0111301	0.100	L0111302	0.100	L0111303	0.100	L0111304	0.100
L0111305	0.100	L0111306	0.100	L0111307	0.100	L0111308	0.100
L0111309	0.100	L0111310	0.100	L0111311	0.100	L0111312	0.100
L0111313	0.100	L0111314	0.100	L0111315	0.100	L0111316	0.100

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** IN-STACK NO2 RATIOS FOR OLM/PVMRM OPTIONS ***

SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO
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L0111329	0.100	L0111330	0.100	L0111331	0.100	L0111332	0.100
L0111333	0.100	L0111334	0.100	L0111335	0.100	L0112284	0.100
L0112285	0.100	L0112286	0.100	L0112287	0.100	L0112288	0.100
L0112289	0.100	L0112290	0.100	L0112291	0.100	L0112292	0.100
L0112293	0.100	L0112294	0.100	L0112295	0.100	L0112296	0.100
L0112297	0.100	L0111916	0.100	L0111917	0.100	L0111918	0.100
L0111919	0.100	L0111920	0.100	L0111921	0.100	L0111922	0.100
L0111923	0.100	L0111924	0.100	L0111925	0.100	L0111926	0.100
L0111927	0.100	L0111928	0.100	L0111929	0.100	L0111364	0.100
L0111365	0.100	L0111366	0.100	L0111367	0.100	L0111368	0.100
L0111369	0.100	L0111370	0.100	L0111371	0.100	L0111372	0.100
L0111373	0.100	L0111374	0.100	L0111375	0.100	L0111376	0.100
L0111377	0.100	L0111378	0.100	L0111379	0.100	L0111380	0.100
L0111381	0.100	L0111382	0.100	L0111383	0.100	L0111384	0.100
L0111385	0.100	L0111386	0.100	L0111387	0.100	L0111388	0.100
L0111389	0.100	L0111390	0.100	L0111391	0.100	L0111392	0.100
L0111393	0.100	L0111394	0.100	L0111395	0.100	L0111396	0.100
L0111397	0.100	L0111398	0.100	L0111399	0.100	L0111400	0.100
L0111401	0.100	L0111402	0.100	L0111403	0.100	L0111404	0.100
L0112298	0.100	L0112299	0.100	L0112300	0.100	L0112301	0.100
L0112302	0.100	L0112303	0.100	L0111411	0.100	L0111412	0.100
L0111413	0.100	L0111414	0.100	L0111415	0.100	L0111416	0.100
L0111417	0.100	L0111418	0.100	L0111419	0.100	L0111420	0.100
L0111421	0.100	L0111422	0.100	L0111423	0.100	L0110727	0.100
L0110728	0.100	L0110729	0.100	L0110730	0.100	L0110731	0.100
L0110732	0.100	L0110733	0.100	L0110734	0.100	L0110735	0.100
L0110736	0.100	L0110737	0.100	L0111424	0.100	L0111425	0.100
L0111426	0.100	L0111427	0.100	L0111428	0.100	L0111429	0.100
L0111430	0.100	L0111431	0.100	L0111432	0.100	L0111433	0.100
L0111434	0.100	L0111435	0.100	L0111436	0.100	L0111437	0.100
L0111438	0.100	L0111439	0.100	L0111440	0.100	L0111441	0.100
L0111442	0.100	L0111443	0.100	L0111444	0.100	L0111445	0.100
L0111446	0.100	L0111447	0.100	L0111448	0.100	L0111449	0.100
L0111450	0.100	L0111451	0.100	L0111452	0.100	L0111453	0.100
L0111454	0.100	L0111455	0.100	L0111456	0.100	L0111457	0.100
L0111458	0.100	L0111459	0.100	L0111460	0.100	L0111461	0.100
L0111462	0.100	L0111463	0.100	L0111464	0.100	L0111465	0.100

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** IN-STACK NO2 RATIOS FOR OLM/PVMRM OPTIONS ***

SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO
L0111466	0.100	L0111467	0.100	L0112304	0.100	L0112305	0.100
L0112306	0.100	L0112307	0.100	L0112308	0.100	L0112309	0.100
L0112310	0.100	L0112311	0.100	L0112312	0.100	L0112313	0.100
L0112314	0.100	L0112315	0.100	L0112316	0.100	L0112317	0.100
L0112318	0.100	L0112319	0.100	L0112320	0.100	L0112321	0.100
L0112322	0.100	L0112323	0.100	L0112324	0.100	L0112325	0.100
L0112326	0.100	L0112327	0.100	L0112328	0.100	L0112329	0.100
L0112330	0.100	L0112331	0.100	L0112332	0.100	L0112333	0.100
L0112334	0.100	L0112335	0.100	L0112336	0.100	L0112337	0.100

L0112338	0.100	L0112339	0.100	L0112340	0.100	L0112341	0.100
L0112342	0.100	L0112343	0.100	L0112344	0.100	L0112345	0.100
L0112346	0.100	L0112347	0.100	L0112348	0.100	L0112349	0.100
L0112350	0.100	L0112351	0.100	L0112352	0.100	L0112353	0.100
L0112354	0.100	L0112355	0.100	L0112356	0.100	L0112357	0.100
L0112358	0.100	L0112359	0.100	L0112360	0.100	L0112361	0.100
L0112362	0.100	L0112363	0.100	L0112364	0.100	L0112365	0.100
L0112366	0.100	L0112367	0.100	L0112368	0.100	L0112369	0.100
L0112370	0.100	L0112371	0.100	L0112372	0.100	L0112373	0.100
L0112374	0.100	L0112375	0.100	L0112376	0.100	L0112377	0.100
L0112378	0.100	L0112379	0.100	L0112380	0.100	L0112381	0.100
L0112382	0.100	L0112383	0.100	L0112384	0.100	L0112385	0.100
L0112386	0.100	L0112387	0.100	L0112388	0.100	L0112389	0.100
L0112390	0.100	L0112391	0.100	L0112392	0.100	L0112393	0.100
L0112394	0.100	L0112395	0.100	L0112396	0.100	L0112397	0.100
L0112398	0.100	L0112399	0.100	L0112400	0.100	L0112401	0.100
L0112402	0.100	L0112403	0.100	L0112404	0.100	L0112405	0.100
L0112406	0.100	L0112407	0.100	L0112408	0.100	L0112409	0.100
L0112410	0.100	L0112411	0.100	L0112412	0.100	L0112413	0.100
L0112414	0.100	L0112415	0.100	L0112416	0.100	L0112417	0.100
L0112418	0.100	L0112419	0.100	L0112420	0.100	L0112421	0.100
L0112422	0.100	L0112423	0.100	L0112424	0.100	L0112425	0.100
L0112426	0.100	L0112427	0.100	L0112428	0.100	L0112429	0.100
L0112430	0.100	L0112431	0.100	L0112432	0.100	L0112433	0.100
L0112434	0.100	L0112435	0.100	L0112436	0.100	L0112437	0.100
L0112438	0.100	L0112439	0.100	L0112440	0.100	L0112441	0.100
L0112442	0.100	L0112443	0.100	L0112444	0.100	L0112445	0.100
L0112446	0.100	L0112447	0.100	L0112448	0.100	L0112449	0.100
L0112450	0.100	L0112451	0.100	L0112452	0.100	L0112453	0.100
L0112454	0.100	L0112455	0.100	L0112456	0.100	L0112457	0.100
L0112458	0.100	L0112459	0.100	L0112460	0.100	L0112461	0.100

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** IN-STACK NO2 RATIOS FOR OLM/PVMRM OPTIONS ***

SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO
L0112462	0.100	L0112463	0.100	L0112464	0.100	L0112465	0.100
L0112466	0.100	L0112467	0.100	L0112468	0.100	L0112469	0.100
L0112470	0.100	L0112471	0.100	L0112472	0.100	L0112473	0.100
L0112474	0.100	L0112475	0.100	L0112476	0.100	L0112477	0.100
L0112478	0.100	L0112479	0.100	L0112480	0.100	L0112481	0.100
L0112482	0.100	L0112483	0.100	L0112484	0.100	L0112485	0.100
L0112486	0.100	L0112487	0.100	L0112488	0.100	L0112489	0.100
L0112490	0.100	L0112491	0.100	L0112492	0.100	L0112493	0.100
L0112494	0.100	L0112495	0.100	L0112496	0.100	L0112497	0.100
L0112498	0.100	L0112499	0.100	L0112500	0.100	L0112501	0.100
L0112502	0.100	L0112503	0.100	L0112504	0.100	L0112505	0.100
L0112506	0.100	L0112507	0.100	L0112508	0.100	L0112509	0.100
L0112510	0.100	L0112511	0.100	L0112512	0.100	L0112513	0.100
L0112514	0.100	L0112515	0.100	L0112516	0.100	L0112517	0.100
L0112518	0.100	L0112519	0.100	PHASE2	0.100		

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

461553.0, 462553.0, 463553.0, 464553.0, 465553.0, 466553.0, 467553.0, 468553.0, 469553.0, 470553.0,
471553.0, 472553.0, 473553.0, 474553.0, 475553.0, 476553.0, 477553.0, 478553.0, 479553.0, 480553.0,
481553.0, 482553.0, 483553.0, 484553.0, 485553.0, 486553.0, 487553.0, 488553.0, 489553.0, 490553.0,
491553.0, 492553.0, 493553.0, 494553.0, 495553.0, 496553.0, 497553.0, 498553.0, 499553.0, 500553.0,
501553.0, 502553.0, 503553.0, 504553.0, 505553.0,

*** Y-COORDINATES OF GRID ***
(METERS)

3741938.3, 3742938.3, 3743938.3, 3744938.3, 3745938.3, 3746938.3, 3747938.3, 3748938.3, 3749938.3, 3750938.3,
3751938.3, 3752938.3, 3753938.3, 3754938.3, 3755938.3, 3756938.3, 3757938.3, 3758938.3, 3759938.3, 3760938.3,
3761938.3, 3762938.3, 3763938.3, 3764938.3, 3765938.3, 3766938.3, 3767938.3,

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	317.90	315.50	311.70	305.80	301.50	279.60	278.50	272.60	279.20
3766938.31	336.30	305.50	294.90	294.00	283.00	268.30	267.10	395.80	277.90
3765938.31	325.60	405.70	301.30	289.30	287.10	261.20	293.50	397.30	291.80
3764938.31	311.30	365.90	350.10	293.30	273.50	258.00	261.00	288.90	288.10
3763938.31	295.70	394.50	275.10	267.50	248.90	253.00	257.10	276.60	299.60
3762938.31	266.30	266.90	261.00	243.60	247.90	254.20	263.80	281.00	306.80
3761938.31	242.70	240.00	239.10	241.70	250.50	255.90	268.10	287.50	312.50
3760938.31	227.40	232.20	233.60	267.10	260.30	266.80	279.00	295.10	323.80
3759938.31	231.00	227.90	306.60	254.10	267.80	278.00	287.90	303.00	326.30

3758938.31	225.00	236.10	253.00	263.10	271.10	278.30	294.20	306.30	325.20
3757938.31	242.90	247.20	257.60	287.20	273.70	269.10	286.50	309.40	333.40
3756938.31	240.20	249.30	257.40	270.00	287.90	314.60	321.20	305.30	333.60
3755938.31	246.00	257.10	266.10	276.80	293.20	340.60	359.10	392.00	355.20
3754938.31	248.50	260.00	276.80	296.00	315.10	378.50	397.50	424.40	446.50
3753938.31	260.60	269.80	285.70	300.20	343.20	384.50	408.70	459.30	492.70
3752938.31	270.20	283.70	306.80	324.20	359.90	410.50	453.20	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	370.10	406.50	435.60	459.70	473.80
3750938.31	302.60	319.90	344.80	357.00	359.90	410.40	467.40	475.40	487.80
3749938.31	329.00	337.50	391.80	442.20	444.30	439.90	466.10	486.40	501.00
3748938.31	396.00	335.40	377.80	424.70	452.80	466.30	492.50	530.60	513.50
3747938.31	427.10	444.20	382.70	398.40	434.20	525.50	527.90	535.40	508.80
3746938.31	441.20	476.80	468.20	415.80	447.50	476.50	480.20	486.90	492.60
3745938.31	443.70	473.10	464.50	438.00	420.80	444.80	467.60	496.10	513.30
3744938.31	430.60	450.90	441.80	434.80	446.20	468.50	540.20	507.00	518.10
3743938.31	417.00	420.10	430.30	443.00	447.20	451.30	469.00	476.40	478.80
3742938.31	435.90	446.30	466.50	498.00	501.00	511.50	481.80	517.80	556.40
3741938.31	474.60	533.00	551.60	552.10	619.20	572.30	597.50	653.00	564.20

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	283.60	289.00	304.20	312.00	323.50	341.00	348.00	353.60	357.50
3766938.31	301.20	333.70	340.60	336.20	384.40	409.90	380.20	386.80	384.50
3765938.31	313.20	342.50	448.10	359.20	407.10	458.80	482.50	461.70	459.60
3764938.31	311.10	346.40	657.00	455.30	395.40	467.20	504.80	545.20	510.30
3763938.31	325.70	353.10	435.90	504.40	420.40	430.90	500.60	554.40	626.90
3762938.31	318.70	356.60	382.20	408.20	498.60	534.40	470.90	509.90	539.10
3761938.31	411.70	551.30	580.90	449.90	615.40	776.00	690.30	617.60	548.30
3760938.31	399.70	469.40	625.60	642.80	582.20	632.10	814.90	830.10	632.90
3759938.31	352.70	380.50	666.10	820.90	599.20	547.70	579.10	784.30	625.60
3758938.31	356.30	404.00	732.30	830.30	615.10	544.90	541.10	565.00	602.60
3757938.31	390.90	429.40	509.10	790.60	782.00	562.30	524.60	545.10	576.90
3756938.31	396.60	462.40	469.80	513.40	695.40	563.20	521.90	516.20	540.60
3755938.31	451.40	484.60	457.40	488.80	514.90	515.10	503.90	508.20	511.80
3754938.31	462.00	468.90	467.80	474.40	483.10	495.10	497.10	497.00	496.10
3753938.31	485.80	444.20	462.50	468.20	470.10	483.70	489.90	488.60	488.00
3752938.31	496.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	499.70	534.90	498.40	478.90	472.10	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	472.60	465.30	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	467.20	456.80	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	476.10	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	454.60	452.80	451.90
3746938.31	525.30	513.50	511.80	533.20	519.10	469.50	454.30	454.50	447.50
3745938.31	546.30	513.20	510.80	517.60	521.80	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	533.40	477.40	461.80	449.40	445.80
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	522.10	528.30	527.90	518.60	512.50	490.80	475.50	452.00	447.80
3741938.31	593.90	581.10	555.50	534.60	537.70	549.40	498.00	460.30	442.90

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	373.90	406.60	408.60	429.30	457.00	476.70	495.00	534.80	562.90
3765938.31	441.20	390.60	450.20	458.00	486.40	516.70	539.40	562.30	602.20
3764938.31	472.90	447.20	408.10	450.00	508.00	549.40	579.80	596.40	630.70
3763938.31	573.90	480.90	465.10	443.30	451.50	526.90	616.60	643.00	665.40
3762938.31	633.40	621.10	497.10	513.60	500.30	473.20	549.60	558.50	597.70
3761938.31	633.80	696.10	578.40	595.10	536.00	493.00	521.50	573.40	589.70
3760938.31	612.70	771.50	774.50	667.50	632.60	595.90	532.50	510.00	543.10
3759938.31	750.20	721.00	823.40	796.40	718.30	624.10	577.90	559.90	566.90
3758938.31	769.50	817.80	682.00	715.80	715.30	649.00	632.00	705.60	627.80
3757938.31	654.20	735.40	726.40	625.20	646.60	603.80	643.90	673.20	703.70
3756938.31	578.40	596.10	632.00	636.80	574.80	581.40	584.90	593.20	633.90
3755938.31	534.90	550.50	557.10	551.80	558.10	556.20	551.80	549.40	578.00
3754938.31	501.90	518.80	513.20	530.30	535.20	537.10	527.60	525.60	526.30
3753938.31	484.50	494.20	500.90	507.30	527.20	515.60	503.90	503.00	496.40
3752938.31	472.20	481.00	482.10	483.90	484.30	487.50	488.10	487.40	479.60
3751938.31	472.00	468.70	466.60	469.20	467.20	475.60	513.80	650.90	533.40
3750938.31	462.20	464.30	454.80	461.90	476.80	531.30	771.00	658.60	548.10
3749938.31	461.90	456.70	491.00	524.00	524.30	563.50	580.90	550.10	513.70
3748938.31	453.60	458.80	528.40	666.50	545.30	516.50	507.70	500.10	534.60
3747938.31	448.80	453.60	630.60	614.60	504.60	497.40	478.00	495.60	566.60
3746938.31	443.40	457.10	486.30	478.00	478.00	478.00	478.00	535.10	465.60
3745938.31	444.60	444.00	451.50	478.00	478.00	478.00	544.70	620.50	435.80
3744938.31	442.20	442.80	446.20	452.70	478.00	491.40	688.80	460.70	434.70
3743938.31	442.20	443.90	443.80	449.80	518.60	704.30	461.70	433.40	439.40
3742938.31	443.00	436.50	441.80	460.50	485.80	462.50	436.60	434.40	437.20
3741938.31	440.00	440.00	443.20	464.70	494.00	451.40	435.10	436.80	444.80

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	585.60	659.90	750.50	849.50	964.60	887.60	799.80	842.60
3766938.31	620.90	644.20	726.40	740.70	749.70	765.90	746.90	783.40	825.20
3765938.31	647.50	671.10	648.30	644.30	667.00	700.80	752.10	785.40	821.00
3764938.31	645.70	628.90	634.80	634.90	658.40	717.30	744.10	769.90	803.90
3763938.31	641.80	636.10	611.10	647.70	662.20	696.20	735.10	762.10	788.90
3762938.31	567.80	579.90	612.80	639.70	683.70	703.20	737.10	760.10	788.60
3761938.31	645.00	662.30	670.20	680.00	684.30	717.00	734.10	758.40	782.00
3760938.31	605.10	665.70	651.20	671.30	699.20	686.90	709.50	748.60	777.00
3759938.31	554.60	565.70	601.70	627.90	662.80	672.60	705.00	707.60	735.00
3758938.31	691.80	646.90	606.20	641.40	617.10	646.90	656.00	701.50	705.00
3757938.31	708.00	700.40	691.40	714.50	700.80	636.00	691.20	708.50	717.50
3756938.31	671.60	698.80	672.20	693.20	762.30	676.60	660.50	722.70	744.70
3755938.31	584.70	625.90	643.00	724.20	685.50	740.50	714.80	678.00	696.50
3754938.31	538.80	559.60	583.70	611.70	661.10	631.20	658.60	711.00	714.10
3753938.31	497.80	504.20	536.20	577.90	576.60	604.60	594.70	629.30	712.60
3752938.31	476.00	484.00	483.20	521.60	511.20	551.60	565.60	597.80	713.90
3751938.31	461.80	464.20	456.50	460.80	483.90	546.20	559.10	588.10	668.30
3750938.31	452.20	443.30	437.30	433.00	456.70	508.60	521.70	564.30	641.50
3749938.31	440.90	437.90	432.30	428.00	441.00	462.30	480.10	618.00	616.20
3748938.31	447.80	435.20	433.30	430.10	431.40	434.70	436.80	562.80	649.90
3747938.31	441.10	433.70	435.40	437.00	430.60	428.00	432.60	441.60	530.80
3746938.31	435.20	470.70	436.80	436.10	434.50	439.70	433.90	437.50	452.70
3745938.31	432.10	434.70	437.10	439.10	440.90	438.60	438.10	435.60	446.20
3744938.31	435.10	440.90	436.10	438.20	441.30	441.00	441.10	438.90	439.20
3743938.31	445.10	447.60	443.00	442.10	473.20	470.40	440.10	441.00	440.30
3742938.31	453.00	463.60	463.40	470.40	558.30	719.10	644.10	446.20	448.60
3741938.31	459.30	477.60	489.00	576.80	623.40	693.40	713.10	512.00	449.70

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	884.20	929.90	993.80	1066.90	1171.60	1243.50	1319.20	1434.80	1630.30
3766938.31	883.00	946.60	1050.80	1085.60	1198.10	1517.00	1503.00	1502.80	1502.40
3765938.31	883.90	1004.20	1177.00	1131.40	1192.90	1410.70	1471.10	1478.60	1400.30
3764938.31	850.10	947.40	1013.60	1008.70	1179.60	1281.10	1301.70	1306.10	1382.20
3763938.31	829.40	857.30	905.40	964.90	1044.10	1180.20	1202.20	1179.70	1257.70
3762938.31	822.50	865.90	944.60	1007.70	1037.60	1078.00	1127.90	1158.40	1182.30
3761938.31	809.00	878.30	953.60	1169.40	1036.50	1099.60	1048.30	1047.60	1121.70
3760938.31	787.90	883.00	940.40	982.90	1006.80	962.30	991.10	1006.40	1068.70
3759938.31	799.00	833.90	872.10	865.40	882.00	901.80	917.10	980.90	1014.00
3758938.31	739.80	775.50	823.60	827.30	844.80	866.20	876.00	896.40	973.80
3757938.31	745.50	766.60	789.80	806.10	812.70	836.20	847.10	869.00	891.20
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	796.10	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	733.70	739.00	748.20	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	698.30	742.60	758.40	806.00	784.40	793.40	782.90	776.00	774.50
3751938.31	688.50	698.30	788.50	827.60	779.20	816.00	826.50	776.50	765.50
3750938.31	637.60	658.70	761.70	746.60	753.10	763.30	778.20	767.10	824.50
3749938.31	565.10	605.60	688.00	741.70	730.60	768.40	748.50	743.00	742.90
3748938.31	600.40	581.60	634.10	689.10	721.10	712.00	735.90	695.10	721.80
3747938.31	612.80	550.40	629.60	635.50	674.00	749.80	680.90	680.10	661.60
3746938.31	475.00	519.90	658.40	668.60	636.20	659.50	635.50	626.90	644.80
3745938.31	457.70	478.30	548.30	576.50	593.60	572.70	612.10	688.50	733.30
3744938.31	445.20	446.70	455.30	487.90	797.60	730.60	713.70	991.50	924.10
3743938.31	441.00	442.60	443.20	451.00	524.60	831.50	1033.10	970.20	1073.70
3742938.31	441.80	443.80	445.20	450.00	460.10	583.10	792.30	1036.30	1119.40
3741938.31	445.60	445.70	445.30	450.20	453.60	459.80	469.30	669.80	974.60

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	677.00	570.00	311.70	305.80	301.50	279.60	328.00	406.00	735.00
3766938.31	677.00	677.00	478.00	303.00	283.00	289.00	434.00	406.00	735.00
3765938.31	677.00	478.00	518.00	478.00	287.10	429.00	434.00	434.00	735.00
3764938.31	677.00	518.00	518.00	518.00	273.50	258.00	434.00	735.00	735.00
3763938.31	677.00	518.00	518.00	518.00	248.90	253.00	257.10	735.00	758.00
3762938.31	677.00	518.00	518.00	518.00	247.90	259.00	580.00	735.00	905.00
3761938.31	518.00	518.00	518.00	373.00	250.50	255.90	580.00	905.00	932.00
3760938.31	227.40	392.00	392.00	392.00	260.30	266.80	580.00	932.00	932.00
3759938.31	231.00	392.00	392.00	392.00	267.80	278.00	905.00	932.00	932.00
3758938.31	225.00	251.00	253.00	263.10	271.10	278.30	905.00	932.00	932.00
3757938.31	242.90	247.20	257.60	343.00	319.00	294.00	905.00	932.00	932.00
3756938.31	240.20	249.30	257.40	318.00	287.90	314.60	330.00	932.00	932.00
3755938.31	246.00	257.10	266.10	276.80	432.00	432.00	359.10	404.00	932.00
3754938.31	248.50	260.00	276.80	296.00	432.00	432.00	397.50	427.00	459.00
3753938.31	260.60	269.80	337.00	300.20	372.00	401.00	408.70	459.30	492.70
3752938.31	270.20	288.00	306.80	324.20	359.90	439.00	470.00	479.90	490.20

3751938.31	284.40	291.20	302.70	332.10	374.00	498.00	498.00	466.00	473.80
3750938.31	302.60	319.90	344.80	384.00	359.90	472.00	467.40	475.40	487.80
3749938.31	411.00	337.50	458.00	458.00	446.00	448.00	466.10	486.40	501.00
3748938.31	405.00	480.00	395.00	424.70	455.00	466.30	492.50	543.00	513.50
3747938.31	428.00	456.00	498.00	398.40	559.00	559.00	537.00	535.40	508.80
3746938.31	441.20	476.80	488.00	445.00	447.50	476.50	480.20	486.90	492.60
3745938.31	445.00	478.00	468.00	438.00	420.80	450.00	467.60	496.10	513.30
3744938.31	464.00	450.90	441.80	434.80	451.00	501.00	540.20	507.00	518.10
3743938.31	417.00	422.00	430.30	632.00	633.00	633.00	661.00	685.00	478.80
3742938.31	597.00	710.00	710.00	632.00	633.00	633.00	687.00	687.00	687.00
3741938.31	710.00	710.00	710.00	736.00	633.00	602.00	661.00	680.00	734.00

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	735.00	735.00	735.00	735.00	735.00	341.00	348.00	353.60	357.50
3766938.31	735.00	735.00	735.00	735.00	735.00	481.00	563.00	634.00	642.00
3765938.31	735.00	735.00	735.00	841.00	735.00	461.00	563.00	635.00	644.00
3764938.31	735.00	758.00	735.00	735.00	941.00	941.00	941.00	941.00	941.00
3763938.31	867.00	867.00	856.00	856.00	941.00	941.00	941.00	941.00	634.00
3762938.31	932.00	932.00	941.00	941.00	941.00	941.00	941.00	941.00	941.00
3761938.31	905.00	850.00	867.00	941.00	941.00	874.00	941.00	941.00	941.00
3760938.31	932.00	932.00	905.00	905.00	941.00	941.00	941.00	941.00	941.00
3759938.31	932.00	932.00	932.00	867.00	941.00	941.00	941.00	941.00	941.00
3758938.31	932.00	932.00	932.00	905.00	932.00	941.00	941.00	941.00	941.00
3757938.31	932.00	932.00	932.00	932.00	932.00	941.00	941.00	941.00	941.00
3756938.31	932.00	932.00	932.00	932.00	932.00	932.00	941.00	941.00	890.00
3755938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	890.00
3754938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	497.00	496.10
3753938.31	485.80	932.00	932.00	932.00	932.00	932.00	489.90	488.60	488.00
3752938.31	509.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	509.00	541.00	503.00	478.90	479.00	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	479.00	490.00	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	468.00	490.00	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	478.00	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	462.00	452.80	451.90
3746938.31	566.00	513.50	511.80	536.00	519.10	469.50	454.30	454.50	457.00
3745938.31	559.00	513.20	510.80	517.60	540.00	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	548.00	477.40	461.80	449.40	447.00
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	734.00	528.30	527.90	518.60	515.00	490.80	475.50	455.00	452.00
3741938.31	734.00	734.00	555.50	534.60	537.70	549.40	597.00	460.30	442.90

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	537.00	406.60	408.60	429.30	457.00	516.00	508.00	534.80	565.00
3765938.31	644.00	537.00	495.00	525.00	493.00	516.70	539.40	588.00	645.00
3764938.31	941.00	687.00	858.00	525.00	523.00	575.00	579.80	596.40	666.00
3763938.31	687.00	941.00	858.00	858.00	858.00	623.00	625.00	643.00	677.00
3762938.31	941.00	782.00	858.00	858.00	858.00	641.00	581.00	693.00	693.00
3761938.31	941.00	858.00	858.00	858.00	858.00	858.00	555.00	616.00	654.00
3760938.31	941.00	824.00	858.00	858.00	858.00	802.00	771.00	751.00	654.00
3759938.31	887.00	890.00	833.00	829.00	802.00	771.00	771.00	774.00	774.00
3758938.31	890.00	890.00	890.00	829.00	741.00	731.00	751.00	751.00	774.00
3757938.31	890.00	890.00	890.00	890.00	684.00	603.80	738.00	774.00	774.00
3756938.31	890.00	890.00	890.00	682.00	574.80	581.40	584.90	774.00	774.00
3755938.31	890.00	890.00	890.00	721.00	558.10	556.20	551.80	549.40	607.00
3754938.31	890.00	890.00	518.00	530.30	617.00	537.10	527.60	525.60	528.00
3753938.31	484.50	494.20	500.90	617.00	617.00	615.00	811.00	811.00	777.00
3752938.31	472.20	481.00	482.10	483.90	811.00	811.00	811.00	811.00	811.00
3751938.31	472.00	468.70	466.60	798.00	811.00	811.00	811.00	811.00	811.00
3750938.31	462.20	741.00	777.00	798.00	811.00	811.00	798.00	811.00	811.00
3749938.31	766.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00	811.00
3748938.31	777.00	777.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00
3747938.31	777.00	777.00	777.00	777.00	777.00	810.00	811.00	810.00	804.00
3746938.31	777.00	777.00	777.00	777.00	810.00	810.00	810.00	810.00	810.00
3745938.31	444.60	777.00	777.00	810.00	810.00	810.00	810.00	810.00	810.00
3744938.31	442.20	442.80	757.00	810.00	810.00	810.00	810.00	810.00	810.00
3743938.31	442.20	443.90	757.00	810.00	810.00	757.00	810.00	810.00	810.00
3742938.31	443.00	436.50	757.00	757.00	810.00	810.00	810.00	810.00	810.00
3741938.31	440.00	443.00	757.00	757.00	757.00	810.00	810.00	810.00	444.80

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03

3767938.31	547.20	985.00	1018.00	1018.00	1018.00	985.00	1018.00	1656.00	1771.00
3766938.31	626.00	757.00	757.00	985.00	1018.00	1018.00	1611.00	1677.00	1771.00
3765938.31	663.00	671.10	784.00	1018.00	1018.00	1018.00	1611.00	1677.00	1771.00
3764938.31	681.00	628.90	634.80	634.90	985.00	717.30	1611.00	1677.00	1740.00
3763938.31	668.00	687.00	638.00	664.00	690.00	721.00	735.10	1677.00	1677.00
3762938.31	686.00	682.00	684.00	690.00	689.00	720.00	737.10	1611.00	1677.00
3761938.31	686.00	678.00	682.00	691.00	705.00	717.00	734.10	758.40	1677.00
3760938.31	697.00	685.00	677.00	715.00	708.00	696.00	723.00	776.00	785.00
3759938.31	769.00	755.00	701.00	715.00	717.00	708.00	705.00	707.60	1200.00
3758938.31	755.00	762.00	764.00	648.00	712.00	677.00	736.00	710.00	705.00
3757938.31	769.00	764.00	764.00	748.00	730.00	794.00	736.00	712.00	730.00
3756938.31	760.00	761.00	764.00	763.00	794.00	794.00	735.00	728.00	744.70
3755938.31	760.00	760.00	683.00	727.00	794.00	768.00	742.00	678.00	717.00
3754938.31	546.00	639.00	627.00	727.00	711.00	768.00	747.00	739.00	757.00
3753938.31	777.00	569.00	596.00	581.00	692.00	653.00	745.00	771.00	771.00
3752938.31	811.00	777.00	575.00	529.00	628.00	615.00	625.00	771.00	746.00
3751938.31	811.00	777.00	461.00	460.80	578.00	546.20	592.00	746.00	709.00
3750938.31	811.00	811.00	437.30	433.00	456.70	518.00	713.00	713.00	680.00
3749938.31	811.00	811.00	432.30	428.00	441.00	713.00	713.00	713.00	713.00
3748938.31	811.00	729.00	729.00	432.00	439.00	713.00	713.00	713.00	663.00
3747938.31	804.00	804.00	729.00	437.00	430.60	428.00	713.00	713.00	663.00
3746938.31	810.00	804.00	599.00	436.10	434.50	439.70	433.90	653.00	663.00
3745938.31	810.00	804.00	437.10	439.10	796.00	796.00	438.10	435.60	446.20
3744938.31	810.00	804.00	436.10	796.00	796.00	796.00	796.00	796.00	439.20
3743938.31	810.00	447.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3742938.31	453.00	463.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3741938.31	459.30	477.60	796.00	796.00	796.00	796.00	781.00	796.00	796.00

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3766938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1641.00	1771.00	1771.00	1771.00
3765938.31	1771.00	1771.00	1677.00	1771.00	1771.00	1677.00	1677.00	1771.00	1771.00
3764938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3763938.31	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3762938.31	1677.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00	1771.00
3761938.31	1677.00	1677.00	1677.00	1183.00	1677.00	1677.00	1771.00	1771.00	1771.00
3760938.31	1677.00	1611.00	1677.00	1677.00	1677.00	1771.00	1771.00	1771.00	1677.00
3759938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1771.00	1771.00	1677.00	1333.00
3758938.31	1200.00	1200.00	1200.00	1677.00	1677.00	1677.00	1677.00	1677.00	1058.00
3757938.31	748.00	766.60	1200.00	1200.00	1194.00	836.20	847.10	1058.00	1058.00
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	799.00	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	754.00	772.00	780.00	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	741.00	744.00	859.00	818.00	784.40	793.40	782.90	776.00	774.50
3751938.31	702.00	859.00	869.00	869.00	781.00	816.00	826.50	936.00	936.00
3750938.31	679.00	869.00	799.00	869.00	792.00	773.00	791.00	936.00	936.00
3749938.31	782.00	860.00	774.00	749.00	819.00	819.00	753.00	936.00	936.00
3748938.31	644.00	670.00	716.00	711.00	783.00	783.00	745.00	748.00	726.00
3747938.31	618.00	800.00	800.00	800.00	830.00	830.00	1129.00	1147.00	1147.00
3746938.31	800.00	800.00	800.00	800.00	1147.00	1147.00	1168.00	1168.00	1168.00
3745938.31	800.00	1133.00	1133.00	1147.00	1168.00	1168.00	1168.00	1168.00	1168.00
3744938.31	1129.00	1147.00	1168.00	1168.00	1133.00	1168.00	1168.00	1016.00	1168.00
3743938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1133.00	1168.00	1078.00
3742938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00
3741938.31	1133.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00	1168.00

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

484551.7, 484651.7, 484751.7, 484851.7, 484951.7, 485051.7, 485151.7, 485251.7, 485351.7, 485451.7,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.4, 3751034.4, 3751134.4, 3751234.4, 3751334.4, 3751434.4, 3751534.4, 3751634.4, 3751734.4, 3751834.4,
3751934.4, 3752034.4, 3752134.4, 3752234.4, 3752334.4, 3752434.4, 3752534.4, 3752634.4, 3752734.4, 3752834.4,
3752934.4, 3753034.4, 3753134.4, 3753234.4, 3753334.4, 3753434.4, 3753534.4, 3753634.4, 3753734.4, 3753834.4,
3753934.4, 3754034.4, 3754134.4, 3754234.4, 3754334.4, 3754434.4, 3754534.4, 3754634.4,

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71

3754634.43	524.70	525.20	523.10	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	523.30	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	521.50	520.70	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	518.70	518.40	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	516.90	518.10	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	518.10	514.80	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	517.70	512.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	515.80	511.30	512.10	511.60	512.10	508.80	506.80	509.90	509.10
3753834.43	510.50	509.90	507.90	511.00	507.90	508.00	508.50	506.70	502.40
3753734.43	507.90	507.90	506.50	506.80	505.40	503.10	508.40	504.90	503.30
3753634.43	505.40	508.10	501.40	503.70	503.70	503.30	503.20	503.00	502.00
3753534.43	502.40	500.60	501.10	505.00	504.30	501.80	501.10	498.80	499.90
3753434.43	498.20	500.10	501.50	501.30	502.50	501.60	499.50	497.50	498.00
3753334.43	498.80	499.20	497.80	498.20	498.30	499.50	497.40	496.00	496.90
3753234.43	496.80	496.00	496.70	497.80	496.40	495.20	496.20	494.90	496.00
3753134.43	498.10	497.00	494.60	493.00	495.50	495.30	497.10	492.90	491.50
3753034.43	494.30	493.10	494.60	493.00	494.00	492.80	493.70	491.30	491.10
3752934.43	487.60	488.10	490.80	488.60	490.80	489.70	490.10	490.20	488.40
3752834.43	488.90	488.00	489.10	488.80	488.50	487.50	487.80	490.40	486.40
3752734.43	486.30	487.90	485.40	485.50	485.30	487.90	484.30	486.00	484.80
3752634.43	486.90	484.10	487.00	485.90	483.90	490.10	488.80	486.00	483.20
3752534.43	483.40	482.40	478.60	483.50	481.50	482.10	483.90	481.50	482.60
3752434.43	480.00	484.30	482.60	483.00	481.10	477.10	483.10	479.20	483.50
3752334.43	478.40	481.10	480.70	479.00	480.30	479.30	481.40	480.90	483.80
3752234.43	475.80	477.00	481.50	478.90	478.30	472.50	481.10	479.50	483.70
3752134.43	475.40	478.80	479.20	479.80	480.70	479.50	480.70	485.90	491.70
3752034.43	480.20	481.20	476.20	478.10	482.00	478.70	482.40	487.10	493.80
3751934.43	475.60	477.20	479.30	478.60	479.40	482.60	487.80	490.10	497.20
3751834.43	475.90	478.80	480.40	483.60	480.90	486.20	491.70	498.90	506.50
3751734.43	482.60	483.70	490.40	491.10	488.70	490.80	495.50	501.30	512.70
3751634.43	487.30	492.60	492.30	493.50	495.90	493.70	501.30	512.90	527.00
3751534.43	490.70	494.00	501.90	502.10	505.60	504.10	514.20	535.70	561.00
3751434.43	495.40	502.10	507.10	510.40	512.40	522.30	540.90	563.70	601.20
3751334.43	500.20	504.10	509.30	515.40	516.70	531.00	556.50	596.00	635.10
3751234.43	504.80	510.60	515.40	521.50	530.10	547.10	570.50	612.20	650.20
3751134.43	512.40	513.00	516.40	540.90	547.30	559.70	574.00	609.80	636.10
3751034.43	514.10	518.70	538.20	566.60	558.70	570.80	594.70	631.60	660.00
3750934.43	532.10	531.70	564.30	576.10	577.60	587.10	618.00	658.00	693.50

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	516.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	507.50
3753934.43	507.60
3753834.43	504.10
3753734.43	502.70
3753634.43	500.40
3753534.43	500.80
3753434.43	497.40
3753334.43	496.10
3753234.43	494.70
3753134.43	492.30
3753034.43	491.70
3752934.43	485.90
3752834.43	487.20
3752734.43	485.10
3752634.43	485.10
3752534.43	484.10
3752434.43	485.40
3752334.43	484.70
3752234.43	491.00
3752134.43	493.80
3752034.43	502.20
3751934.43	504.90
3751834.43	515.40
3751734.43	523.90
3751634.43	548.80
3751534.43	594.90
3751434.43	642.40
3751334.43	689.90
3751234.43	687.90
3751134.43	679.30
3751034.43	697.10
3750934.43	732.40

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	615.00	527.00	526.00	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	615.00	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10

3754434.43	616.00	615.00	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	616.00	615.00	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	616.00	615.00	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	616.00	615.00	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	615.00	615.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	615.00	559.00	512.10	511.60	512.10	508.80	811.00	811.00	811.00
3753834.43	615.00	559.00	507.90	511.00	811.00	811.00	811.00	811.00	811.00
3753734.43	613.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3750934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	520.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	811.00
3753934.43	811.00
3753834.43	811.00
3753734.43	811.00
3753634.43	811.00
3753534.43	811.00
3753434.43	811.00
3753334.43	811.00
3753234.43	811.00
3753134.43	811.00
3753034.43	811.00
3752934.43	811.00
3752834.43	811.00
3752734.43	811.00
3752634.43	811.00
3752534.43	811.00
3752434.43	811.00
3752334.43	811.00
3752234.43	811.00
3752134.43	811.00
3752034.43	811.00
3751934.43	811.00
3751834.43	811.00
3751734.43	811.00
3751634.43	811.00
3751534.43	811.00
3751434.43	811.00
3751334.43	811.00
3751234.43	811.00
3751134.43	811.00
3751034.43	811.00
3750934.43	811.00

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

485549.5, 485649.5, 485749.5, 485849.5,

*** Y-COORDINATES OF GRID ***
(METERS)

```
     3750934.9, 3751034.9, 3751134.9, 3751234.9, 3751334.9, 3751434.9, 3751534.9, 3751634.9, 3751734.9, 3751834.9,
     3751934.9, 3752034.9, 3752134.9, 3752234.9, 3752334.9, 3752434.9, 3752534.9, 3752634.9, 3752734.9, 3752834.9,
     3752934.9, 3753034.9, 3753134.9, 3753234.9, 3753334.9, 3753434.9,
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                          ***        12/19/12
                                    *** NO2 - LST Assessment (No Refrigeration)                         ***        09:58:54
                                                                                                                   PAGE  53
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL                                                  OLM

                                  *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                            * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                        X-COORD (METERS)
    (METERS) |     485549.47    485649.47    485749.47    485849.47
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3753434.90 |        497.00       494.70       493.80       492.50
  3753334.90 |        495.20       494.30       494.20       494.90
  3753234.90 |        493.20       495.50       492.40       492.80
  3753134.90 |        490.00       490.70       490.50       489.50
  3753034.90 |        490.20       491.70       489.20       490.10
  3752934.90 |        488.20       488.60       486.50       488.00
  3752834.90 |        489.00       487.30       488.80       488.50
  3752734.90 |        488.90       487.30       487.40       486.30
  3752634.90 |        486.00       486.60       486.90       486.00
  3752534.90 |        486.00       484.20       484.00       486.00
  3752434.90 |        485.70       485.00       488.10       493.30
  3752334.90 |        489.50       491.30       494.00       502.10
  3752234.90 |        493.50       496.70       497.00       506.50
  3752134.90 |        498.50       502.00       503.90       507.60
  3752034.90 |        508.20       508.10       511.20       522.80
  3751934.90 |        513.90       513.00       519.30       532.40
  3751834.90 |        518.10       529.70       538.40       559.00
  3751734.90 |        531.80       533.60       558.40       605.00
  3751634.90 |        557.00       570.60       588.90       622.30
  3751534.90 |        599.00       611.20       626.10       628.30
  3751434.90 |        659.50       664.00       669.40       643.70
  3751334.90 |        702.50       703.50       696.20       663.60
  3751234.90 |        708.30       736.50       713.70       692.00
  3751134.90 |        720.70       748.90       725.50       720.30
  3751034.90 |        744.10       769.60       738.00       734.40
  3750934.90 |        771.00       782.40       753.40       754.20
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                          ***        12/19/12
                                    *** NO2 - LST Assessment (No Refrigeration)                         ***        09:58:54
                                                                                                                   PAGE  54
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL                                                  OLM

                                  *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                            * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                        X-COORD (METERS)
    (METERS) |     485549.47    485649.47    485749.47    485849.47
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3753434.90 |        811.00       811.00       811.00       811.00
  3753334.90 |        811.00       811.00       811.00       811.00
  3753234.90 |        811.00       811.00       811.00       811.00
  3753134.90 |        811.00       811.00       811.00       811.00
  3753034.90 |        811.00       811.00       811.00       811.00
  3752934.90 |        811.00       811.00       811.00       811.00
  3752834.90 |        811.00       811.00       811.00       811.00
  3752734.90 |        811.00       811.00       811.00       811.00
  3752634.90 |        811.00       811.00       811.00       811.00
  3752534.90 |        811.00       811.00       811.00       811.00
  3752434.90 |        811.00       811.00       811.00       811.00
  3752334.90 |        811.00       811.00       811.00       811.00
  3752234.90 |        811.00       811.00       811.00       811.00
  3752134.90 |        811.00       811.00       811.00       811.00
  3752034.90 |        811.00       811.00       811.00       811.00
  3751934.90 |        811.00       811.00       811.00       811.00
  3751834.90 |        811.00       811.00       811.00       811.00
  3751734.90 |        811.00       811.00       811.00       811.00
  3751634.90 |        811.00       811.00       811.00       811.00
  3751534.90 |        811.00       811.00       811.00       811.00
  3751434.90 |        811.00       811.00       811.00       811.00
  3751334.90 |        811.00       811.00       811.00       811.00
  3751234.90 |        811.00       811.00       811.00       811.00
  3751134.90 |        811.00       811.00       811.00       811.00
  3751034.90 |        811.00       798.00       811.00       811.00
  3750934.90 |        798.00       798.00       811.00       811.00
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                          ***        12/19/12
                                    *** NO2 - LST Assessment (No Refrigeration)                         ***        09:58:54
                                                                                                                   PAGE  55
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL                                                  OLM

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                     (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     ( 485619.4, 3753969.7,     505.7,     811.0,       0.0);         ( 485713.0, 3753961.9,     506.6,     811.0,       0.0);
     ( 487190.8, 3754410.3,     509.4,     776.0,       0.0);         ( 487194.8, 3754289.5,     507.2,     777.0,       0.0);
     ( 487268.8, 3754090.6,     503.1,     777.0,       0.0);         ( 487483.3, 3754102.3,     502.0,     777.0,       0.0);
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                          ***        12/19/12
                                    *** NO2 - LST Assessment (No Refrigeration)                         ***        09:58:54
                                                                                                                   PAGE  56
 **MODELOPTS:  NonDFAULT CONC                                          ELEV
                        FASTALL                                                  OLM

                       * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
                         LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL
```

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0112248	485553.0	3754938.3	-8.64
L0112249	485553.0	3754938.3	-0.74
L0111274	487190.8	3754410.3	-0.17

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: RIVR2.SFC Met Version: 11059
Profile file: RIVR2.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 2 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2005 Year: 2005

First 24 hours of scalar data

YR	MO	DY	JDY	HR	HO	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
05	01	01	1	01	-7.5	0.135	-9.000	-9.000	-999.	115.	29.0	0.39	1.00	1.00	1.60	338.	9.1	279.2	5.5
05	01	01	1	02	-2.2	0.057	-9.000	-9.000	-999.	34.	7.4	0.39	1.00	1.00	0.90	264.	9.1	279.2	5.5
05	01	01	1	03	-4.0	0.070	-9.000	-9.000	-999.	42.	7.4	0.39	1.00	1.00	1.10	54.	9.1	278.8	5.5
05	01	01	1	04	-1.6	0.044	-9.000	-9.000	-999.	21.	4.7	0.39	1.00	1.00	0.70	360.	9.1	278.8	5.5
05	01	01	1	05	-2.7	0.063	-9.000	-9.000	-999.	37.	8.2	0.39	1.00	1.00	1.00	318.	9.1	278.1	5.5
05	01	01	1	06	-2.8	0.070	-9.000	-9.000	-999.	42.	10.5	0.39	1.00	1.00	1.10	53.	9.1	277.5	5.5
05	01	01	1	07	-3.8	0.070	-9.000	-9.000	-999.	42.	7.7	0.39	1.00	1.00	1.10	134.	9.1	278.8	5.5
05	01	01	1	08	-2.3	0.057	-9.000	-9.000	-999.	31.	7.0	0.39	1.00	0.53	0.90	319.	9.1	278.8	5.5
05	01	01	1	09	29.7	0.193	0.388	0.005	69.	195.	-21.1	0.39	1.00	0.32	1.20	110.	9.1	282.0	5.5
05	01	01	1	10	78.5	0.248	1.193	0.005	760.	285.	-17.1	0.39	1.00	0.25	1.50	107.	9.1	284.2	5.5
05	01	01	1	11	118.9	0.316	1.511	0.007	1020.	409.	-23.3	0.39	1.00	0.22	2.00	122.	9.1	285.9	5.5
05	01	01	1	12	132.2	0.238	1.665	0.009	1227.	270.	-9.0	0.39	1.00	0.21	1.30	154.	9.1	287.0	5.5
05	01	01	1	13	80.9	0.249	1.421	0.009	1245.	286.	-16.8	0.39	1.00	0.21	1.50	166.	9.1	287.0	5.5
05	01	01	1	14	80.7	0.305	1.427	0.009	1263.	388.	-31.0	0.39	1.00	0.23	2.00	235.	9.1	287.5	5.5
05	01	01	1	15	36.6	0.321	1.098	0.009	1270.	419.	-79.5	0.39	1.00	0.26	2.30	305.	9.1	286.4	5.5
05	01	01	1	16	1.2	0.206	0.354	0.009	1271.	221.	-629.7	0.39	1.00	0.35	1.60	292.	9.1	285.9	5.5
05	01	01	1	17	-11.9	0.181	-9.000	-9.000	-999.	178.	44.1	0.39	1.00	0.63	1.90	280.	9.1	285.4	5.5
05	01	01	1	18	-17.1	0.313	-9.000	-9.000	-999.	404.	158.3	0.39	1.00	1.00	2.70	304.	9.1	284.2	5.5
05	01	01	1	19	-8.7	0.159	-9.000	-9.000	-999.	161.	40.6	0.39	1.00	1.00	1.70	311.	9.1	283.8	5.5
05	01	01	1	20	-3.8	0.070	-9.000	-9.000	-999.	48.	7.8	0.39	1.00	1.00	1.10	13.	9.1	283.1	5.5
05	01	01	1	21	-4.7	0.076	-9.000	-9.000	-999.	48.	8.2	0.39	1.00	1.00	1.20	8.	9.1	282.0	5.5
05	01	01	1	22	-2.1	0.051	-9.000	-9.000	-999.	26.	5.4	0.39	1.00	1.00	0.80	183.	9.1	280.9	5.5
05	01	01	1	23	-2.1	0.051	-9.000	-9.000	-999.	26.	5.4	0.39	1.00	1.00	0.80	16.	9.1	280.4	5.5
05	01	01	1	24	-2.1	0.051	-9.000	-9.000	-999.	26.	5.4	0.39	1.00	1.00	0.80	62.	9.1	279.9	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
05	01	01	01	5.5	0	-999.	-99.00	279.3	99.0	-99.00	-99.00
05	01	01	01	9.1	1	338.	1.60	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	0.02318	0.02386	0.02462	0.02547	0.02643	0.02713	0.02815	0.02897	0.02994
3766938.31	0.02401	0.02418	0.02476	0.02560	0.02640	0.02725	0.02844	0.03263	0.03103

3765938.31	0.02431	0.02667	0.02545	0.02606	0.02694	0.02751	0.02935	0.03325	0.03215
3764938.31	0.02438	0.02628	0.02692	0.02677	0.02735	0.02805	0.02922	0.03112	0.03264
3763938.31	0.02435	0.02718	0.02590	0.02680	0.02752	0.02868	0.02990	0.03157	0.03358
3762938.31	0.02406	0.02502	0.02592	0.02670	0.02792	0.02927	0.03077	0.03255	0.03472
3761938.31	0.02371	0.02467	0.02571	0.02689	0.02826	0.02969	0.03139	0.03343	0.03583
3760938.31	0.02343	0.02449	0.02559	0.02737	0.02857	0.03014	0.03198	0.03411	0.03687
3759938.31	0.02380	0.02463	0.02699	0.02718	0.02874	0.03042	0.03231	0.03456	0.03737
3758938.31	0.02451	0.02551	0.02671	0.02794	0.02928	0.03079	0.03273	0.03488	0.03758
3757938.31	0.02553	0.02655	0.02776	0.02946	0.03040	0.03164	0.03355	0.03590	0.03869
3756938.31	0.02564	0.02687	0.02818	0.02971	0.03150	0.03372	0.03565	0.03712	0.04020
3755938.31	0.02530	0.02661	0.02800	0.02957	0.03146	0.03439	0.03693	0.04031	0.04164
3754938.31	0.02466	0.02593	0.02743	0.02915	0.03110	0.03452	0.03716	0.04044	0.04405
3753938.31	0.02407	0.02524	0.02667	0.02823	0.03065	0.03341	0.03608	0.03999	0.04366
3752938.31	0.02343	0.02463	0.02614	0.02772	0.02992	0.03283	0.03595	0.03898	0.04173
3751938.31	0.02303	0.02408	0.02531	0.02702	0.02916	0.03154	0.03402	0.03667	0.03932
3750938.31	0.02265	0.02378	0.02515	0.02640	0.02756	0.02997	0.03288	0.03472	0.03679
3749938.31	0.02190	0.02272	0.02446	0.02637	0.02738	0.02835	0.03020	0.03202	0.03209
3748938.31	0.02135	0.02097	0.02232	0.02397	0.02546	0.02682	0.02825	0.02570	0.02883
3747938.31	0.02044	0.02142	0.02110	0.02221	0.02387	0.02230	0.02370	0.02391	0.02860
3746938.31	0.01993	0.02136	0.02207	0.02202	0.02368	0.02550	0.02694	0.02852	0.03009
3745938.31	0.01971	0.02106	0.02179	0.02223	0.02295	0.02459	0.02639	0.02795	0.02765
3744938.31	0.01937	0.02052	0.02121	0.02200	0.02323	0.02481	0.02151	0.02581	0.02686
3743938.31	0.01903	0.01983	0.02082	0.02192	0.02294	0.02402	0.02547	0.02678	0.02805
3742938.31	0.01919	0.02009	0.02124	0.02125	0.02175	0.02216	0.02507	0.02400	0.02183
3741938.31	0.01967	0.01635	0.01569	0.01646	0.01509	0.01746	0.01739	0.01576	0.02031

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	0.03086	0.03192	0.03333	0.03464	0.03618	0.03796	0.03967	0.04173	0.04418
3766938.31	0.03262	0.03450	0.03586	0.03703	0.03993	0.04234	0.04306	0.04526	0.04768
3765938.31	0.03413	0.03633	0.04112	0.03970	0.04291	0.04664	0.04970	0.05123	0.05391
3764938.31	0.03494	0.03778	0.03152	0.04535	0.04499	0.04988	0.05118	0.05060	0.05688
3763938.31	0.03606	0.03899	0.04427	0.04690	0.04867	0.05167	0.05528	0.05414	0.04859
3762938.31	0.03679	0.04006	0.04353	0.04747	0.05269	0.05408	0.06035	0.06323	0.06493
3761938.31	0.04096	0.03930	0.04063	0.05076	0.04402	0.03522	0.04317	0.05622	0.07150
3760938.31	0.04162	0.04689	0.03787	0.03897	0.04983	0.04750	0.03905	0.04293	0.06259
3759938.31	0.04069	0.04457	0.03557	0.03100	0.04986	0.06120	0.06407	0.04627	0.06846
3758938.31	0.04119	0.04610	0.03176	0.03184	0.05012	0.06523	0.07294	0.07860	0.07893
3757938.31	0.04325	0.04791	0.05229	0.03232	0.03619	0.06617	0.07925	0.08773	0.09253
3756938.31	0.04518	0.05107	0.05535	0.05884	0.04138	0.06759	0.08255	0.09497	0.10792
3755938.31	0.04841	0.05345	0.05677	0.06331	0.06840	0.07637	0.08661	0.09954	0.11661
3754938.31	0.04798	0.05220	0.05684	0.06275	0.07002	0.07916	0.09002	0.10384	0.12188
3753938.31	0.04681	0.04906	0.05423	0.05984	0.06653	0.07544	0.08622	0.09967	0.11742
3752938.31	0.04467	0.04816	0.05184	0.05632	0.06247	0.06988	0.07897	0.09040	0.10557
3751938.31	0.04095	0.04138	0.04772	0.05247	0.05713	0.06306	0.07053	0.08003	0.09269
3750938.31	0.03664	0.03683	0.04289	0.04763	0.05160	0.05656	0.06342	0.07159	0.08295
3749938.31	0.03188	0.03271	0.03738	0.04389	0.04784	0.05264	0.05849	0.06648	0.07628
3748938.31	0.02990	0.03246	0.03607	0.04176	0.04593	0.05027	0.05574	0.06254	0.07048
3747938.31	0.03018	0.03263	0.03561	0.03914	0.04451	0.04825	0.05270	0.05828	0.06500
3746938.31	0.02957	0.03246	0.03518	0.03678	0.04141	0.04586	0.04940	0.05418	0.05970
3745938.31	0.02701	0.03170	0.03416	0.03654	0.03910	0.04328	0.04638	0.05034	0.05534
3744938.31	0.02900	0.03116	0.03286	0.03481	0.03525	0.04087	0.04361	0.04714	0.05204
3743938.31	0.02951	0.02977	0.03131	0.03296	0.03479	0.03877	0.04132	0.04479	0.04957
3742938.31	0.02601	0.02707	0.02850	0.03056	0.03291	0.03702	0.03978	0.04283	0.04757
3741938.31	0.02009	0.02186	0.02417	0.02709	0.02848	0.02976	0.03739	0.04161	0.04585

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	0.04736	0.05061	0.05389	0.05700	0.06103	0.06539	0.06883	0.06997	0.06979
3766938.31	0.05028	0.05542	0.05883	0.06279	0.06778	0.07271	0.07607	0.07368	0.07172
3765938.31	0.05666	0.05821	0.06582	0.07007	0.07573	0.07959	0.08080	0.07885	0.07291
3764938.31	0.06212	0.06574	0.06866	0.07638	0.08298	0.08615	0.08478	0.08122	0.07505
3763938.31	0.05940	0.07291	0.07879	0.08391	0.09098	0.10040	0.08515	0.07922	0.07731
3762938.31	0.05508	0.06083	0.08780	0.09609	0.10514	0.11412	0.12048	0.12036	0.10914
3761938.31	0.05994	0.05528	0.08482	0.08987	0.11837	0.13387	0.14586	0.13649	0.13231
3760938.31	0.07201	0.05667	0.06190	0.07823	0.09715	0.12695	0.17334	0.18786	0.18868
3759938.31	0.05929	0.06746	0.06978	0.07853	0.09403	0.13092	0.18112	0.21709	0.22137
3758938.31	0.06321	0.07114	0.08973	0.09644	0.11121	0.14211	0.17447	0.17610	0.21324
3757938.31	0.07975	0.08097	0.09625	0.13646	0.14876	0.20619	0.21805	0.24539	0.26026
3756938.31	0.11395	0.12410	0.12670	0.15118	0.25307	0.30588	0.38025	0.44183	0.42387
3755938.31	0.13781	0.16295	0.19874	0.26388	0.34626	0.49888	0.79941	1.18285	0.97735
3754938.31	0.14620	0.18151	0.23253	0.31356	0.45413	0.76061	3.93439	8.02255	7.00660

3753938.31	0.14103	0.17632	0.22817	0.30992	0.44715	0.79557	3.19292	8.47802	10.42635
3752938.31	0.12433	0.15311	0.19406	0.25852	0.36943	0.60704	1.49307	7.04115	8.79264
3751938.31	0.10898	0.13112	0.16249	0.21036	0.28618	0.44209	0.80028	0.80001	1.93700
3750938.31	0.09658	0.11588	0.13998	0.17844	0.24294	0.33859	0.27333	0.42219	0.94809
3749938.31	0.08879	0.10396	0.12891	0.15692	0.20505	0.24182	0.28508	0.46452	0.71138
3748938.31	0.08065	0.09404	0.11125	0.07704	0.17060	0.23653	0.30506	0.39292	0.47082
3747938.31	0.07325	0.08475	0.06486	0.08548	0.16048	0.19947	0.24258	0.30109	0.30534
3746938.31	0.06692	0.07809	0.09479	0.11559	0.14132	0.16849	0.19987	0.23054	0.27814
3745938.31	0.06232	0.07188	0.08599	0.10613	0.12564	0.14537	0.15846	0.13294	0.21571
3744938.31	0.05862	0.06785	0.08051	0.09570	0.11215	0.12766	0.08149	0.16232	0.17850
3743938.31	0.05588	0.06478	0.07591	0.08790	0.10077	0.06279	0.12334	0.13532	0.15198
3742938.31	0.05378	0.06176	0.07155	0.08166	0.09112	0.09828	0.10622	0.11797	0.13088
3741938.31	0.05195	0.05954	0.06752	0.07549	0.08294	0.08756	0.09450	0.10437	0.11559

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	0.06742	0.06404	0.05429	0.04741	0.04295	0.03449	0.03812	0.03756	0.03417
3766938.31	0.06381	0.06093	0.05305	0.05220	0.04919	0.04598	0.04438	0.03999	0.03598
3765938.31	0.06614	0.06371	0.06794	0.06755	0.06073	0.05361	0.04720	0.04211	0.03831
3764938.31	0.07446	0.07979	0.07856	0.07565	0.06739	0.05663	0.05063	0.04538	0.04186
3763938.31	0.08526	0.08830	0.09475	0.08050	0.07296	0.06326	0.05469	0.04979	0.04692
3762938.31	0.12658	0.12279	0.10560	0.09159	0.07647	0.06768	0.06004	0.05592	0.05292
3761938.31	0.11349	0.10841	0.10134	0.09309	0.08427	0.07395	0.06829	0.06402	0.06078
3760938.31	0.15521	0.12577	0.12159	0.10681	0.09361	0.08890	0.08152	0.07495	0.06941
3759938.31	0.23844	0.21788	0.16887	0.13870	0.11757	0.10797	0.09650	0.08911	0.07977
3758938.31	0.19155	0.19030	0.19851	0.16268	0.16437	0.13607	0.12071	0.10099	0.09123
3757938.31	0.25309	0.23135	0.21100	0.18789	0.16592	0.16336	0.12926	0.11240	0.09895
3756938.31	0.37949	0.33734	0.29559	0.24508	0.19889	0.17686	0.15719	0.12814	0.11065
3755938.31	0.82554	0.56663	0.43585	0.32649	0.26414	0.21093	0.17686	0.15408	0.13013
3754938.31	5.17530	1.47481	0.81690	0.51453	0.35298	0.28957	0.22208	0.17501	0.14792
3753938.31	9.56302	6.43372	2.01197	0.90327	0.62680	0.39893	0.33162	0.23351	0.17035
3752938.31	10.70949	9.78177	7.98840	2.01251	1.18061	0.67658	0.47091	0.31256	0.19681
3751938.31	2.48153	2.63562	2.49460	1.91415	1.29201	0.80407	0.56894	0.38257	0.23704
3750938.31	1.26682	1.32632	1.29730	1.12689	0.97428	0.82366	0.65736	0.46451	0.27538
3749938.31	0.78306	0.84511	0.84299	0.78264	0.71002	0.63860	0.56236	0.32704	0.29461
3748938.31	0.55514	0.59334	0.60662	0.58244	0.53753	0.48816	0.44194	0.36628	0.23377
3747938.31	0.40566	0.44140	0.46113	0.45657	0.42634	0.39252	0.36360	0.33948	0.31888
3746938.31	0.30982	0.35960	0.36249	0.36396	0.35025	0.33052	0.30622	0.28687	0.27317
3745938.31	0.24549	0.27472	0.29258	0.29822	0.29405	0.27920	0.26291	0.24677	0.23522
3744938.31	0.20147	0.22655	0.24130	0.24809	0.24832	0.24049	0.22893	0.21672	0.20545
3743938.31	0.17038	0.19011	0.20440	0.21134	0.21794	0.21369	0.20098	0.19250	0.18352
3742938.31	0.14646	0.16320	0.17728	0.18612	0.17461	0.10378	0.11898	0.17295	0.16671
3741938.31	0.12788	0.14178	0.15514	0.14379	0.11959	0.09617	0.09082	0.15726	0.15150

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	0.03119	0.02605	0.02377	0.02008	0.01351	0.01000	0.00741	0.00531	0.00378
3766938.31	0.03307	0.02769	0.02311	0.02076	0.01358	0.00483	0.00487	0.00486	0.00485
3765938.31	0.03562	0.02915	0.01629	0.01947	0.01532	0.00661	0.00564	0.00551	0.00677
3764938.31	0.03967	0.03427	0.03118	0.03124	0.01809	0.01149	0.01061	0.01016	0.00756
3763938.31	0.04462	0.04294	0.04030	0.03657	0.03129	0.01922	0.01707	0.01741	0.01270
3762938.31	0.05043	0.04843	0.04249	0.03816	0.03392	0.02915	0.02343	0.02028	0.01729
3761938.31	0.05757	0.05364	0.04610	0.02552	0.03599	0.02895	0.03041	0.02842	0.02259
3760938.31	0.06458	0.05830	0.05004	0.04466	0.04001	0.03833	0.03451	0.03176	0.02727
3759938.31	0.07064	0.06374	0.05748	0.05247	0.04779	0.04290	0.03931	0.03463	0.03177
3758938.31	0.07930	0.06976	0.06188	0.05640	0.05166	0.04783	0.04475	0.04107	0.03627
3757938.31	0.08633	0.07662	0.06885	0.06290	0.05801	0.05352	0.04978	0.04642	0.04324
3756938.31	0.09773	0.08639	0.07734	0.07027	0.06412	0.05880	0.05429	0.05031	0.04685
3755938.31	0.11272	0.09900	0.08775	0.07815	0.07036	0.06388	0.05818	0.05344	0.04939
3754938.31	0.12581	0.10876	0.09465	0.08422	0.07496	0.06779	0.06167	0.05670	0.05250
3753938.31	0.14191	0.12153	0.10540	0.09201	0.08165	0.07319	0.06643	0.06079	0.05613
3752938.31	0.16649	0.13784	0.11835	0.10192	0.09088	0.08093	0.07323	0.06673	0.06107
3751938.31	0.19106	0.15994	0.13062	0.11268	0.10092	0.08902	0.07984	0.07383	0.06788
3750938.31	0.23315	0.18700	0.14400	0.12515	0.10936	0.09677	0.08629	0.07879	0.07016
3749938.31	0.33103	0.24121	0.16727	0.13880	0.12176	0.10441	0.09346	0.08404	0.07613
3748938.31	0.25843	0.25897	0.18922	0.15083	0.13116	0.11891	0.10417	0.09797	0.08486
3747938.31	0.21666	0.25978	0.17870	0.16369	0.13684	0.11551	0.11544	0.10658	0.10239
3746938.31	0.26114	0.24486	0.14673	0.13635	0.14223	0.12528	0.12675	0.12240	0.10810
3745938.31	0.22549	0.21780	0.19341	0.16904	0.15125	0.15527	0.12999	0.09909	0.08789
3744938.31	0.19666	0.18897	0.18305	0.17947	0.09303	0.09298	0.09186	0.07606	0.07616
3743938.31	0.17517	0.16832	0.16287	0.15894	0.15145	0.08043	0.06795	0.06909	0.06159
3742938.31	0.15889	0.15261	0.14754	0.14409	0.14168	0.11443	0.07244	0.05990	0.05118

3741938.31	0.14586	0.14034	0.13520	0.13170	0.12906	0.12727	0.12575	0.07694	0.05626

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	0.81725	0.87719	0.94847	1.02800	1.12438	1.25460	1.41548	1.63543	1.98314
3754534.43	0.82218	0.88282	0.95577	1.03970	1.14355	1.26753	1.43215	1.65768	2.00377
3754434.43	0.82382	0.88654	0.95855	1.04311	1.14819	1.27486	1.43670	1.65830	1.99758
3754334.43	0.82267	0.88552	0.95759	1.04253	1.14692	1.27169	1.42623	1.64763	1.97451
3754234.43	0.81914	0.88129	0.95360	1.03806	1.14115	1.26543	1.41435	1.62076	1.92680
3754134.43	0.81206	0.87520	0.94637	1.02973	1.13002	1.24777	1.40042	1.60428	1.87465
3754034.43	0.80328	0.86620	0.93621	1.01712	1.11544	1.23437	1.36791	1.57948	1.83596
3753934.43	0.79427	0.85519	0.92397	1.00358	1.10071	1.21207	1.34832	1.54388	1.81127
3753834.43	0.78399	0.84169	0.90647	0.98653	1.07655	1.18916	1.32905	1.50486	1.74173
3753734.43	0.76960	0.82576	0.88879	0.96372	1.05112	1.15354	1.29913	1.46605	1.71351
3753634.43	0.75331	0.80950	0.86376	0.93881	1.02446	1.12694	1.25348	1.42074	1.66112
3753534.43	0.73459	0.78403	0.84403	0.91826	0.99944	1.09360	1.21215	1.36196	1.59378
3753434.43	0.71225	0.76483	0.82400	0.88959	0.96919	1.06176	1.17091	1.31306	1.52673
3753334.43	0.69561	0.74412	0.79656	0.85999	0.93357	1.02561	1.12885	1.26438	1.46482
3753234.43	0.67425	0.71897	0.77213	0.83481	0.90199	0.98365	1.08857	1.21472	1.40064
3753134.43	0.65786	0.69986	0.74634	0.80044	0.87228	0.95103	1.05055	1.15825	1.31145
3753034.43	0.63353	0.67367	0.72320	0.77482	0.83983	0.91106	1.00038	1.10025	1.23456
3752934.43	0.60597	0.64572	0.69417	0.74108	0.80395	0.86983	0.95037	1.04564	1.15545
3752834.43	0.58917	0.62527	0.66883	0.71597	0.77015	0.83112	0.90454	0.99679	1.08684
3752734.43	0.56803	0.60536	0.64132	0.68576	0.73557	0.79897	0.85729	0.93841	1.02487
3752634.43	0.55144	0.58127	0.62245	0.66265	0.70586	0.77072	0.83048	0.89471	0.96792
3752534.43	0.53085	0.56092	0.58989	0.63613	0.67599	0.72605	0.78553	0.84277	0.91875
3752434.43	0.51135	0.54616	0.57699	0.61408	0.65150	0.68861	0.75161	0.79986	0.87708
3752334.43	0.49495	0.52615	0.55654	0.58805	0.62764	0.66743	0.71786	0.76916	0.83620
3752234.43	0.47834	0.50603	0.54078	0.56926	0.60324	0.63090	0.68926	0.73382	0.79756
3752134.43	0.46510	0.49398	0.52191	0.55268	0.58672	0.62068	0.66212	0.71530	0.77433
3752034.43	0.45781	0.48286	0.50304	0.53339	0.56915	0.59776	0.64012	0.68815	0.74250
3751934.43	0.44136	0.46552	0.49227	0.51788	0.54746	0.58286	0.62372	0.66478	0.71297
3751834.43	0.43044	0.45473	0.47957	0.50786	0.53215	0.56745	0.60495	0.64280	0.68030
3751734.43	0.42545	0.44698	0.47399	0.49866	0.52322	0.55280	0.58591	0.61915	0.64830
3751634.43	0.41790	0.44055	0.46193	0.48555	0.51081	0.53695	0.56568	0.59042	0.59633
3751534.43	0.40928	0.42977	0.44961	0.47135	0.49396	0.51951	0.53996	0.52560	0.47059
3751434.43	0.40075	0.41830	0.43670	0.45575	0.47624	0.48764	0.47281	0.42637	0.34614
3751334.43	0.39076	0.40760	0.42457	0.43984	0.45892	0.45998	0.41813	0.32963	0.30439
3751234.43	0.38104	0.39590	0.41018	0.42238	0.42959	0.41397	0.36741	0.29905	0.28927
3751134.43	0.37003	0.38534	0.39921	0.38330	0.38654	0.37272	0.34968	0.29438	0.28641
3751034.43	0.36072	0.37230	0.36420	0.31929	0.35193	0.33597	0.29646	0.26916	0.26952
3750934.43	0.33717	0.35112	0.30620	0.29166	0.30021	0.29225	0.26110	0.25181	0.25610

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	2.68774
3754534.43	2.64510
3754434.43	2.72947
3754334.43	2.70709
3754234.43	2.55625
3754134.43	2.43608
3754034.43	2.33133
3753934.43	2.29884
3753834.43	2.22178
3753734.43	2.17074
3753634.43	2.09625
3753534.43	2.02769
3753434.43	1.90798
3753334.43	1.81567
3753234.43	1.72551
3753134.43	1.60699
3753034.43	1.44593
3752934.43	1.29132
3752834.43	1.21334
3752734.43	1.13396
3752634.43	1.07146
3752534.43	1.01112
3752434.43	0.96196
3752334.43	0.90999
3752234.43	0.87623
3752134.43	0.83597
3752034.43	0.79525

3751934.43	0.75839
3751834.43	0.71139
3751734.43	0.66304
3751634.43	0.55911
3751534.43	0.38717
3751434.43	0.32699
3751334.43	0.30562
3751234.43	0.29533
3751134.43	0.28639
3751034.43	0.27482
3750934.43	0.26350

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	2.54723	2.86150	3.40024	4.07008
3753334.90	2.36601	2.41321	2.76925	3.40381
3753234.90	2.22992	2.24404	2.50033	3.10646
3753134.90	2.05011	2.05090	2.32215	2.90171
3753034.90	1.74316	1.88620	2.15565	2.74102
3752934.90	1.48188	1.69686	1.97422	2.54613
3752834.90	1.37174	1.55831	1.84876	2.37980
3752734.90	1.28212	1.45241	1.70166	2.16420
3752634.90	1.19446	1.35693	1.58441	1.99471
3752534.90	1.12532	1.25899	1.45628	1.83480
3752434.90	1.05886	1.18070	1.37224	1.74376
3752334.90	1.00777	1.12227	1.28401	1.57717
3752234.90	0.95630	1.05406	1.18120	1.34861
3752134.90	0.90406	0.98317	1.07891	1.18901
3752034.90	0.84814	0.91628	0.98381	1.00513
3751934.90	0.79683	0.85689	0.89534	0.89336
3751834.90	0.75067	0.75808	0.76621	0.70643
3751734.90	0.67731	0.70977	0.63875	0.49728
3751634.90	0.55652	0.52620	0.48461	0.45168
3751534.90	0.39910	0.40012	0.40559	0.42570
3751434.90	0.33806	0.35404	0.37116	0.39789
3751334.90	0.31914	0.33450	0.35187	0.37403
3751234.90	0.30674	0.31940	0.33600	0.35334
3751134.90	0.29479	0.30677	0.32185	0.33614
3751034.90	0.28327	0.29474	0.30869	0.32159
3750934.90	0.27261	0.28374	0.29633	0.30796

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
485619.40	3753969.72	4.25637	485712.99	3753961.92	5.23045
487190.85	3754410.34	22.96368	487194.75	3754289.46	17.46677
487268.83	3754090.60	13.53644	487483.30	3754102.29	11.24707

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	2.91806	3.18602	3.19427	3.21765	3.23829	3.18651	3.19592	3.46571	3.61068
3766938.31	3.08359	2.99246	3.09478	3.32090	3.30964	3.28105	3.34093	3.67409	3.44328
3765938.31	3.38178	3.55551	3.16500	3.12232	3.31568	3.41914	3.52050	3.79849	3.53480
3764938.31	2.97993	3.48503	3.60048	3.46577	3.27914	3.23523	3.50582	3.70081	3.75562
3763938.31	3.09697	3.23731	3.00685	3.37245	3.55921	3.58916	3.43534	3.47338	3.88416
3762938.31	3.09173	3.18387	3.25905	3.16043	3.13178	3.45014	3.80259	3.89626	3.78191
3761938.31	2.82558	2.96311	3.07920	3.30300	3.40700	3.48174	3.40559	3.63844	4.16666
3760938.31	2.86554	2.96813	3.07000	3.11223	3.26468	3.43545	3.68960	3.85206	3.89512

3759938.31	2.87561	2.96184	3.15747	3.11304	3.27440	3.43734	3.50033	3.69645	3.97704
3758938.31	3.30334	3.35604	3.34098	3.30732	3.30603	3.40699	3.51344	3.66568	3.89595
3757938.31	3.18303	3.29051	3.40433	3.63518	3.76421	3.84108	3.92719	3.94516	3.98067
3756938.31	3.27648	3.36280	3.46034	3.57848	3.68131	3.77597	3.91607	4.01472	4.30692
3755938.31	3.06945	3.12959	3.28912	3.47474	3.68252	3.97492	4.17354	4.44916	4.50103
3754938.31	2.92634	3.02012	3.13368	3.27736	3.42653	3.74211	3.96621	4.22681	4.48162
3753938.31	3.04631	3.13525	3.24399	3.35748	3.55081	3.76339	3.94699	4.24551	4.62853
3752938.31	3.05687	3.17446	3.32186	3.46599	3.67266	3.94765	4.22691	4.48094	4.74976
3751938.31	3.24112	3.31110	3.38987	3.51280	3.66380	3.81583	3.94824	4.11570	4.34183
3750938.31	2.98734	3.12196	3.29885	3.43698	3.54100	3.82590	4.13556	4.26613	4.50977
3749938.31	3.17584	3.27474	3.49963	3.72439	3.76393	3.76537	3.83402	3.85882	4.05322
3748938.31	3.06657	2.86967	3.02324	3.27032	3.43436	3.57255	3.95241	4.62616	4.36466
3747938.31	3.02395	3.20406	3.19380	3.34184	3.55256	4.19298	4.30229	4.23253	3.92876
3746938.31	3.27027	3.43110	3.37251	3.23933	3.32114	3.44417	3.58236	3.66967	3.81800
3745938.31	3.07953	3.16688	3.18752	3.20447	3.19326	3.28462	3.52189	3.83044	3.92225
3744938.31	2.98621	3.08550	3.03189	3.13654	3.31191	3.43150	3.76018	3.46550	3.78630
3743938.31	2.84291	3.02206	3.13727	3.18907	3.18189	3.05373	3.29538	3.31059	3.49539
3742938.31	3.02791	3.04300	3.06932	3.05638	3.21262	3.28667	3.26362	3.72680	3.85371
3741938.31	2.92549	3.11578	3.18294	3.16103	3.15863	3.54685	3.63534	3.28111	3.52720

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	3.58066	3.64996	3.54528	3.68216	3.48351	3.45703	3.46452	3.62983	3.70562
3766938.31	3.86202	3.79469	4.00404	3.76266	4.07318	3.89829	3.71845	3.72002	4.01042
3765938.31	3.58592	4.12770	4.41848	4.27769	4.16652	4.54323	4.35568	4.15880	4.16836
3764938.31	3.80260	3.90123	5.04301	4.75219	4.63374	4.66730	4.98005	5.37006	4.64062
3763938.31	4.10718	4.17606	4.40747	4.81914	4.97795	5.01602	5.19200	6.25803	5.57702
3762938.31	3.94519	4.40705	4.63247	4.67223	5.05833	6.30417	5.49375	5.80908	6.67125
3761938.31	4.60908	5.86735	6.06881	5.24136	6.37684	5.36493	5.96673	7.13006	7.54634
3760938.31	4.15733	5.02940	6.44665	6.36400	6.94767	6.99273	5.37906	5.38276	7.73786
3759938.31	4.29711	4.55374	5.98820	5.02130	7.43760	7.74515	8.12086	6.27341	8.44862
3758938.31	4.14142	4.48356	5.28254	5.00753	7.48282	7.83974	8.64901	9.31726	9.50968
3757938.31	4.24889	4.53670	5.45695	5.03186	5.23217	8.16994	8.16829	9.68560	10.29627
3756938.31	4.79596	5.24371	5.36387	6.02636	6.16501	8.08580	7.92320	8.21124	10.52953
3755938.31	5.10360	5.50752	5.57329	5.92343	6.91904	7.48726	7.44212	8.03400	8.82625
3754938.31	4.71729	4.98890	5.35233	5.76847	6.26204	7.03219	7.65051	8.44388	9.22866
3753938.31	4.66222	4.63513	4.89554	5.13894	5.47510	5.94744	6.49748	7.07172	7.78942
3752938.31	5.05166	5.21050	5.29611	5.52805	5.88609	6.29179	6.74585	7.26562	7.92666
3751938.31	4.67632	5.65790	5.16548	5.24391	5.50684	5.84140	6.23074	6.67842	7.17135
3750938.31	5.21106	5.36943	5.37890	4.88467	4.83616	5.05968	5.42645	5.78359	6.05633
3749938.31	4.95831	5.05490	5.22372	4.71202	4.72032	4.79877	4.93059	5.23396	5.56574
3748938.31	4.84229	4.95205	4.83773	4.52986	4.42351	4.59992	4.69035	5.04724	5.59938
3747938.31	4.32010	4.52295	4.64709	4.80805	4.26523	4.30720	4.75966	5.15017	5.13105
3746938.31	4.45803	4.25532	4.24882	4.67361	4.82577	4.59750	4.60016	4.52962	4.50226
3745938.31	4.04497	3.92840	4.04235	4.50362	4.86049	4.12093	4.01585	4.18598	4.40998
3744938.31	3.66976	3.80696	4.14387	4.19007	4.44829	3.79181	3.93666	4.05693	4.45020
3743938.31	3.88260	3.85318	3.56373	3.75336	3.91660	3.75508	3.81428	4.16657	4.13454
3742938.31	3.72219	3.90144	4.01476	3.90453	3.80842	3.68733	3.99029	3.90279	3.65989
3741938.31	3.63131	3.61355	3.89977	3.82954	3.83865	4.29644	3.89476	3.55488	3.52613

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	3.87480	3.45860	3.54390	3.62162	3.64241	3.65787	4.09716	4.05898	4.20044
3766938.31	3.95572	4.07165	3.78232	3.76389	3.86755	3.85012	4.38319	4.81417	4.96456
3765938.31	4.41875	4.32775	4.17211	4.00818	4.17319	4.52692	5.29705	5.43043	5.18003
3764938.31	4.67061	4.68255	4.56822	4.29385	4.64093	5.74739	5.74131	5.74964	5.32432
3763938.31	6.02027	5.16987	5.21956	4.85225	4.52980	5.60942	5.94158	5.82959	5.30745
3762938.31	5.93835	6.22553	5.85277	5.90390	5.37980	5.01955	6.83756	7.02582	6.58968
3761938.31	6.79123	5.76538	7.21282	7.12483	7.13967	5.70204	6.53650	7.76528	7.34866
3760938.31	7.95436	5.57903	5.42448	6.81556	7.50405	7.93641	7.84954	7.32129	8.25383
3759938.31	6.58568	6.97728	5.60143	5.68042	6.40509	8.19362	9.60100	10.19151	9.72823
3758938.31	7.13754	6.55541	8.62109	7.48674	7.21315	8.73204	9.31400	7.93140	9.74771
3757938.31	9.99963	8.50052	8.77019	11.41114	10.27442	11.50750	9.73402	9.80488	9.02723
3756938.31	11.67968	12.28381	12.90182	13.22568	16.00386	15.36933	15.04300	16.66820	13.81792
3755938.31	11.23841	12.74266	14.56006	17.63811	21.08055	22.93294	23.62689	27.21236	25.26228
3754938.31	10.47990	12.93050	13.81188	17.02204	20.53876	27.07148	48.19510	52.80223	41.48274
3753938.31	8.64003	10.43776	12.99753	15.93733	18.97704	25.39325	36.75942	35.71637	32.55912
3752938.31	8.58545	9.56998	10.76861	12.38982	14.59584	18.27142	26.08066	32.58406	31.56974
3751938.31	7.62289	8.19633	8.84134	10.20716	11.65446	14.13085	18.26042	13.59062	23.47932
3750938.31	6.38502	7.11119	8.04322	9.12526	10.09644	13.00275	7.67814	10.41011	16.42598
3749938.31	6.26878	6.90990	7.58786	9.34768	10.09249	11.10345	11.17567	12.31964	11.26928
3748938.31	6.01564	6.08626	7.76191	6.93145	9.37461	8.47874	9.13106	8.60191	10.03656

3747938.31	5.04837	5.62855	6.77528	7.09573	6.63852	7.03065	7.49680	7.25563	8.93109
3746938.31	4.90564	5.43176	5.50202	5.46078	5.65036	6.33269	6.61573	7.59166	6.17660
3745938.31	4.84467	4.83973	4.68839	4.91045	5.12703	5.84598	6.99636	6.48031	5.20803
3744938.31	4.43575	4.17348	4.40487	4.53293	4.76687	5.39566	5.17695	4.86721	4.75033
3743938.31	3.83467	4.07998	4.03809	4.30041	5.13670	4.86315	4.76434	4.40043	4.41045
3742938.31	3.75722	3.81128	3.90219	3.97309	4.55024	4.60315	4.19686	4.11204	4.11297
3741938.31	3.67400	3.57147	3.83855	3.75690	4.38043	4.30402	3.81284	3.87682	3.90542

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	4.51973	4.55670	4.20957	3.90721	3.49980	2.49269	2.86471	3.13285	3.26576
3766938.31	4.70386	4.48541	4.02409	4.02602	3.80045	3.31758	3.51166	3.51907	3.38464
3765938.31	4.85149	4.64813	4.81378	4.89356	4.42185	3.96206	3.72672	3.64751	3.13010
3764938.31	5.16759	5.28334	5.31063	5.08487	4.51518	4.05120	4.02204	3.61534	3.42094
3763938.31	5.59744	5.59955	5.84119	5.21736	4.81347	4.58220	4.15191	3.80142	3.38056
3762938.31	6.73496	6.57048	6.27254	5.42428	4.97909	4.79166	4.18210	3.74994	3.68267
3761938.31	6.45506	6.36348	5.82461	5.36172	5.39874	4.61180	4.21758	4.08092	3.82755
3760938.31	7.93826	6.85870	6.30636	6.07827	5.14560	5.09298	4.83486	4.31248	4.20144
3759938.31	9.69417	9.13356	8.02142	6.82943	5.94910	5.70364	5.13832	5.04961	4.81203
3758938.31	7.83780	8.03006	8.58232	7.05292	7.21915	6.56407	6.19919	5.62408	5.19774
3757938.31	8.18029	7.63045	6.72838	6.16394	6.40273	7.41836	6.02948	5.49096	5.23791
3756938.31	10.25241	7.68500	8.15411	7.47572	5.93304	6.75575	6.66468	5.28389	4.83286
3755938.31	16.17105	12.03726	10.13287	6.92235	7.06850	5.80765	5.90894	6.39424	6.01492
3754938.31	35.11426	20.39549	14.88586	11.54089	8.91810	9.26362	8.30941	7.11419	6.83497
3753938.31	30.03732	35.33206	21.82159	15.80876	13.82092	11.27387	10.38880	8.76417	6.70001
3752938.31	40.50905	35.44614	38.18997	26.34082	20.14704	15.52179	12.95629	10.68845	7.30772
3751938.31	18.24927	16.65213	19.88210	21.17270	17.70626	17.78467	14.57078	11.85857	8.98593
3750938.31	11.86870	12.47338	11.65080	13.09346	14.23105	14.29323	13.40231	12.76154	10.40614
3749938.31	9.54565	9.63891	9.73513	9.54427	10.22575	11.12551	9.71600	11.13879	9.82280
3748938.31	8.44314	7.78114	8.35544	8.12711	8.09019	8.23873	8.80428	10.56687	9.08131
3747938.31	7.39668	6.70763	6.74515	7.36480	7.09362	6.77632	6.91398	7.54949	8.92797
3746938.31	6.51569	6.28928	5.96241	5.97056	6.50719	6.41514	5.78829	5.93202	6.66351
3745938.31	5.79446	5.61723	5.40333	5.35812	5.66656	5.88364	5.77452	5.24394	5.18125
3744938.31	5.25621	5.29036	4.84659	4.88454	4.91301	5.32309	5.37747	5.21210	4.86175
3743938.31	4.82528	4.99393	4.53502	4.58892	4.60870	4.61776	5.01858	4.97074	4.70601
3742938.31	4.42027	4.73168	4.33706	4.27404	5.58355	4.35552	4.98481	4.75535	4.67454
3741938.31	4.06060	4.50679	4.27643	5.19227	4.94929	4.32943	4.28950	4.56921	4.50616

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	3.11744	2.23371	2.07075	1.66015	1.39123	1.18871	0.99315	0.75089	0.65061
3766938.31	2.75755	2.43605	1.78828	1.68854	1.35182	0.66227	0.67317	0.68076	0.66164
3765938.31	3.08633	2.10644	1.51241	1.60777	1.40541	0.87404	0.72564	0.69770	0.85150
3764938.31	3.01152	2.56790	2.11126	2.16426	1.46535	1.16490	1.10642	1.07422	0.88754
3763938.31	3.35794	3.22922	3.07020	2.62767	1.92851	1.47016	1.38199	1.40001	1.19918
3762938.31	3.42620	3.42059	2.82952	2.31700	2.02466	1.79174	1.62405	1.48576	1.38748
3761938.31	3.79979	3.53876	2.86425	1.67928	2.13784	1.79217	1.92278	1.87418	1.60220
3760938.31	4.07533	3.92083	3.16733	2.60454	2.28860	2.68622	2.34724	2.19216	1.82888
3759938.31	4.39005	3.95349	3.59016	3.66233	3.70271	3.27822	2.83145	2.33269	2.09039
3758938.31	4.61406	4.33203	3.98797	3.76365	3.31290	3.35360	3.36345	3.16180	2.53498
3757938.31	4.72694	4.18106	3.97024	3.82338	3.72958	3.60856	3.51920	3.38634	3.40248
3756938.31	4.71531	4.49946	4.25183	4.14730	4.16761	4.18747	4.20439	4.20631	4.21129
3755938.31	5.79795	5.60511	5.37459	5.08980	4.88470	4.78281	4.63930	4.56908	4.47667
3754938.31	6.25997	5.77928	5.33172	5.12184	4.78749	4.57895	4.34487	4.16078	4.08345
3753938.31	6.03728	5.61453	5.22889	4.80231	4.51429	4.29533	4.20809	4.13245	4.07502
3752938.31	6.95134	5.91043	5.48714	4.89450	4.85528	4.63137	4.54593	4.44098	4.30535
3751938.31	8.12678	7.54132	5.93504	5.32943	5.38373	4.81610	4.43612	4.43721	4.29177
3750938.31	9.41636	7.71947	5.98184	5.93360	5.56076	5.40960	5.28438	5.25614	4.74971
3749938.31	10.31374	9.14576	7.67219	6.41028	5.62686	4.92174	5.16181	5.03033	4.91273
3748938.31	9.47476	8.91984	7.69552	6.36995	6.03990	6.25780	5.67766	5.35375	4.60829
3747938.31	8.48117	8.83308	7.71918	7.03139	6.09911	5.05261	5.70568	5.64149	5.76370
3746938.31	6.78151	7.10283	6.71160	6.77925	6.65851	5.97435	5.92737	5.79629	5.31258
3745938.31	5.93278	6.10520	6.94910	6.88811	6.61127	6.53702	6.02660	5.13667	4.41939
3744938.31	4.75747	5.27259	5.43966	5.46691	4.83812	5.06534	5.32974	3.18914	3.63674
3743938.31	4.56375	4.44644	4.71719	5.07767	5.78342	4.31955	2.80479	3.11180	2.52765
3742938.31	4.30485	4.33312	4.22612	4.33228	4.80382	5.55574	4.39724	2.56297	2.26670
3741938.31	4.37997	4.09870	4.14311	4.05737	4.08424	4.49042	4.54256	4.67688	2.88540

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	27.33701	28.46249	29.36164	31.04772	32.59002	34.06998	35.88954	37.30615	40.47059
3754534.43	26.41430	27.46820	28.14225	29.49373	31.25244	33.36116	34.97272	37.49547	40.14185
3754434.43	25.29913	26.14870	27.03131	28.01970	29.85353	30.95199	32.88665	35.17911	38.05725
3754334.43	25.26979	26.07613	27.15911	28.29971	29.17340	30.44006	31.75092	34.52948	37.05743
3754234.43	25.23003	25.89973	26.65004	27.50063	28.52712	29.97746	30.80196	32.78728	35.16956
3754134.43	25.29221	26.13678	26.85584	27.62764	28.38622	29.34756	30.73190	32.31968	33.52200
3754034.43	25.35656	26.27122	27.03413	27.74363	28.58036	29.77386	30.14966	32.51157	33.34217
3753934.43	25.35532	26.27464	27.15933	27.97344	28.90511	29.73268	30.52117	32.39763	33.96864
3753834.43	25.18991	25.92310	26.59138	27.76250	28.40511	29.69428	30.98786	32.07935	32.67393
3753734.43	24.94623	25.73098	26.44730	27.34072	28.20022	29.09159	30.92985	31.94763	33.31466
3753634.43	24.37761	25.35424	25.55247	26.80959	27.78763	29.04754	30.34130	31.88060	33.57054
3753534.43	23.44593	23.91920	24.87389	26.29186	27.21242	28.10677	29.23236	30.00664	32.26914
3753434.43	21.49125	22.61143	23.72833	24.61215	25.77180	26.89615	27.56298	28.35177	30.09832
3753334.43	21.33919	22.06582	22.42060	23.20307	23.99515	25.34862	25.79402	26.59724	28.37501
3753234.43	21.09927	21.54260	22.39490	23.57028	23.83219	24.44790	25.84254	26.57634	28.49300
3753134.43	21.23482	21.35416	21.42884	21.75915	23.09874	23.81112	25.22756	25.08834	26.00368
3753034.43	19.77494	20.05010	20.90349	21.15209	21.96497	22.44921	23.44705	23.87694	24.92601
3752934.43	18.25673	18.80039	19.69497	19.99790	20.96173	21.44010	22.27207	23.12939	23.79115
3752834.43	18.14261	18.58225	19.19679	19.73430	20.32762	20.88893	21.59397	22.69969	23.12114
3752734.43	17.76047	18.28647	18.65148	19.15822	19.68645	20.40549	20.85083	21.64529	22.38930
3752634.43	17.30278	17.58453	18.10729	18.49721	18.87967	19.78158	20.15603	20.49106	20.92736
3752534.43	16.41730	16.65112	16.82506	17.33520	17.75743	18.29607	18.91912	19.39595	20.06817
3752434.43	15.63468	16.18110	16.50754	16.90136	17.20188	17.44505	18.26823	18.72928	19.72340
3752334.43	15.24845	15.61100	15.94416	16.25886	16.78145	17.23370	17.91788	18.51353	19.16790
3752234.43	14.80797	15.15183	15.69299	15.99990	16.43223	16.66622	17.48372	17.82967	18.65833
3752134.43	14.55861	14.98084	15.34483	15.80335	16.21190	16.51792	16.97839	17.69505	18.25024
3752034.43	14.44216	14.83499	15.01806	15.36521	15.77939	16.11158	16.70884	17.11069	17.57060
3751934.43	14.11591	14.41983	14.73172	14.98579	15.44384	15.91875	16.24536	16.57870	17.01697
3751834.43	13.79269	14.07003	14.44648	14.90978	15.16300	15.44874	15.79390	16.26347	17.12674
3751734.43	13.58737	13.97592	14.41448	14.69867	14.79896	15.07895	15.41277	15.85053	16.49271
3751634.43	13.51984	13.90822	14.14343	14.32196	14.59936	14.65115	15.18025	15.83278	16.86409
3751534.43	13.36422	13.65792	14.21895	14.36576	14.87880	14.82688	15.29035	16.49589	16.07896
3751434.43	13.28118	13.70531	14.15259	14.56872	14.68824	15.01499	16.01274	15.28335	13.46370
3751334.43	13.10183	13.47408	14.01173	14.31280	14.34002	15.11138	15.13763	13.38004	11.57619
3751234.43	13.05661	13.57227	13.84715	14.03256	14.48653	15.09910	14.23693	12.29950	10.78764
3751134.43	13.18391	13.28875	13.42394	14.31425	14.67467	14.24410	13.91481	12.32008	11.24443
3751034.43	12.95026	13.10701	13.73090	13.59000	13.92377	13.58395	12.68004	11.13992	10.11699
3750934.43	13.02104	13.16162	13.32498	12.88177	12.80582	12.72234	11.47077	9.99936	8.94586

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	44.97896
3754534.43	42.74261
3754434.43	42.95503
3754334.43	42.07055
3754234.43	38.84020
3754134.43	36.63356
3754034.43	35.65545
3753934.43	36.23494
3753834.43	35.69249
3753734.43	35.78599
3753634.43	35.83810
3753534.43	35.83859
3753434.43	32.12049
3753334.43	30.40454
3753234.43	30.25081
3753134.43	28.23213
3753034.43	26.37663
3752934.43	24.53426
3752834.43	24.20290
3752734.43	23.35145
3752634.43	21.91394
3752534.43	20.97327
3752434.43	20.63988
3752334.43	19.90045
3752234.43	19.39835
3752134.43	18.65718
3752034.43	18.43324
3751934.43	17.85568
3751834.43	17.35360
3751734.43	17.41641
3751634.43	17.28043
3751534.43	14.33876
3751434.43	11.59616

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 3751334.43 |       9.85106
 3751234.43 |       9.65950
 3751134.43 |       9.62254
 3751034.43 |       8.92914
 3750934.43 |       8.10018
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                    *** NO2 - LST Assessment (No Refrigeration)                                 ***        09:58:54
                                                                                                                           PAGE  75
 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                        FASTALL                                                          OLM

    *** THE   1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     PHASE1      , L0112152    , L0112153    , L0112154    , L0112155    ,
                L0112156    , L0112157    , L0112158    , L0112159    , L0112160    , L0112161    , L0112162    , L0112163    ,
                L0112164    , L0112165    , L0112166    , L0112167    , L0111014    , L0111015    , L0111016    , L0111017    ,
                L0111018    , L0111019    , L0111020    , L0111021    , L0111022    , L0111023    , L0111024    ,  . . .      ,

                                    *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                         ** CONC OF NO2      IN MICROGRAMS/M**3                          **

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     485549.47    485649.47    485749.47    485849.47
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3753434.90 |      31.84292     32.84371     34.94675     38.15471
  3753334.90 |      30.16077     32.25456     35.36060     41.00300
  3753234.90 |      29.79955     32.60837     33.87476     37.71113
  3753134.90 |      27.60416     29.53610     31.68033     35.00691
  3753034.90 |      26.86776     28.89088     30.56974     34.35384
  3752934.90 |      26.03943     27.70186     29.47317     33.05903
  3752834.90 |      25.59145     26.94962     29.22285     32.56837
  3752734.90 |      24.78701     26.02439     27.74067     30.27776
  3752634.90 |      23.02097     24.27934     26.11760     28.39762
  3752534.90 |      22.21411     23.26804     24.51544     26.06561
  3752434.90 |      21.36685     22.33120     23.30038     24.87521
  3752334.90 |      20.76540     21.42789     22.28839     24.46541
  3752234.90 |      19.92489     20.55496     21.09435     23.32390
  3752134.90 |      19.20670     19.92364     20.48178     21.85066
  3752034.90 |      19.10006     19.27452     19.28260     20.31424
  3751934.90 |      18.22436     18.01792     18.79365     19.14564
  3751834.90 |      17.59431     18.59088     18.69971     17.62307
  3751734.90 |      17.90489     17.94642     17.46290     13.95737
  3751634.90 |      17.19241     16.43466     14.83707     12.56913
  3751534.90 |      14.28152     13.35636     12.24635     11.92489
  3751434.90 |      10.94587     10.49267     10.21867     10.99096
  3751334.90 |       9.46294      9.24428      9.29878     10.09107
  3751234.90 |       9.04337      8.53818      8.83083      9.18347
  3751134.90 |       8.56101      8.22362      8.49747      8.57768
  3751034.90 |       8.05167      7.91612      8.18016      8.33731
  3750934.90 |       7.66925      7.68479      7.89022      8.06977
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                    *** NO2 - LST Assessment (No Refrigeration)                                 ***        09:58:54
                                                                                                                           PAGE  76
 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                        FASTALL                                                          OLM

    *** THE   1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     PHASE1      , L0112152    , L0112153    , L0112154    , L0112155    ,
                L0112156    , L0112157    , L0112158    , L0112159    , L0112160    , L0112161    , L0112162    , L0112163    ,
                L0112164    , L0112165    , L0112166    , L0112167    , L0111014    , L0111015    , L0111016    , L0111017    ,
                L0111018    , L0111019    , L0111020    , L0111021    , L0111022    , L0111023    , L0111024    ,  . . .      ,

                                         *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                         ** CONC OF NO2      IN MICROGRAMS/M**3                          **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)   Y-COORD (M)        CONC
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        485619.40    3753969.72       37.99703                     485712.99    3753961.92       38.16462
        487190.85    3754410.34       73.36303                     487194.75    3754289.46       58.79763
        487268.83    3754090.60       43.00191                     487483.30    3754102.29       35.78304
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                    *** NO2 - LST Assessment (No Refrigeration)                                 ***        09:58:54
                                                                                                                           PAGE  77
 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                        FASTALL                                                          OLM

    *** THE   8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     PHASE1      , L0112152    , L0112153    , L0112154    , L0112155    ,
                L0112156    , L0112157    , L0112158    , L0112159    , L0112160    , L0112161    , L0112162    , L0112163    ,
                L0112164    , L0112165    , L0112166    , L0112167    , L0111014    , L0111015    , L0111016    , L0111017    ,
                L0111018    , L0111019    , L0111020    , L0111021    , L0111022    , L0111023    , L0111024    ,  . . .      ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                         ** CONC OF NO2      IN MICROGRAMS/M**3                          **

    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     461553.03    462553.03    463553.03    464553.03    465553.03    466553.03    467553.03    468553.03    469553.03
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3767938.31 |       2.32898      2.32105      2.41034      2.48351      2.43879      2.48946      2.54842      2.60852      2.68992
  3766938.31 |       2.37103      2.40210      2.41613      2.41846      2.48953      2.54503      2.52541      2.78144      2.77880
  3765938.31 |       2.48506      2.64224      2.46575      2.51803      2.54121      2.51861      2.67916      2.92288      2.77812
  3764938.31 |       2.42844      2.64512      2.66977      2.59445      2.57726      2.61208      2.63591      2.78503      2.87788
  3763938.31 |       2.41190      2.65332      2.51388      2.62699      2.63894      2.71348      2.73278      2.82601      2.88891
  3762938.31 |       2.38247      2.37988      2.47467      2.55427      2.61708      2.76201      2.83601      2.97595      3.05111
  3761938.31 |       2.35564      2.42989      2.50677      2.53178      2.60836      2.73125      2.84739      2.99326      3.21326
  3760938.31 |       2.33935      2.35181      2.44826      2.61546      2.68733      2.80104      2.84029      2.98633      3.22016
  3759938.31 |       2.34216      2.35033      2.57607      2.58151      2.68228      2.77309      2.91214      3.09145      3.29034
  3758938.31 |       2.40017      2.45590      2.54183      2.62000      2.70302      2.78466      2.90068      3.09444      3.19769
  3757938.31 |       2.51781      2.56216      2.64968      2.82334      2.85754      2.87491      2.95179      3.13647      3.31622
  3756938.31 |       2.46483      2.52400      2.66805      2.77820      2.86974      3.04469      3.21827      3.26516      3.46572
  3755938.31 |       2.36289      2.45252      2.56389      2.70534      2.81680      2.99017      3.15255      3.36695      3.44806
  3754938.31 |       2.39066      2.46700      2.54720      2.65977      2.75148      2.96313      3.12211      3.32806      3.54026
```

3753938.31	2.31943	2.40896	2.51168	2.61673	2.78558	2.98286	3.16264	3.43764	3.80799
3752938.31	2.24274	2.31715	2.41399	2.52022	2.66903	2.86149	3.06942	3.25789	3.46739
3751938.31	2.20342	2.27686	2.36061	2.49928	2.64646	2.83101	3.04625	3.25115	3.43275
3750938.31	2.31294	2.37401	2.47182	2.59133	2.67443	2.88019	3.11379	3.22217	3.33092
3749938.31	2.29179	2.35056	2.51319	2.67654	2.76814	2.81293	2.94879	3.10758	3.27260
3748938.31	2.32892	2.22617	2.36953	2.49326	2.66830	2.69446	2.90737	3.59576	3.37531
3747938.31	2.19001	2.33956	2.24106	2.33055	2.47247	3.15678	3.46677	3.55084	3.24034
3746938.31	2.21768	2.41312	2.53813	2.46638	2.56569	2.74298	2.82301	2.94235	3.13374
3745938.31	2.30509	2.41436	2.48879	2.47093	2.51593	2.67038	2.77966	2.93565	3.17104
3744938.31	2.27428	2.37249	2.46335	2.46865	2.52580	2.59815	3.15982	2.97216	3.21406
3743938.31	2.28414	2.33231	2.32270	2.41537	2.51587	2.56933	2.64443	2.73190	2.78628
3742938.31	2.20984	2.31806	2.42528	2.53534	2.53142	2.65502	2.64986	2.88143	3.07126
3741938.31	2.35531	2.58549	2.56166	2.61849	2.60814	2.81665	2.73413	2.61900	3.00558

**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	2.63422	2.67031	2.76526	2.81513	2.85808	2.91347	2.99323	3.04669	3.07454
3766938.31	2.84945	2.89554	2.87384	2.99597	3.13179	3.21182	3.18653	3.28894	3.22177
3765938.31	2.93099	3.09407	3.33956	3.11698	3.35841	3.50234	3.59523	3.64432	3.68938
3764938.31	2.92956	3.06035	4.17846	3.56834	3.42985	3.75854	3.93657	4.90107	4.15118
3763938.31	3.07068	3.21235	3.52099	4.00900	3.79705	3.74074	4.21849	5.40864	4.82342
3762938.31	3.14983	3.29205	3.49473	3.66801	4.17844	5.24394	4.23290	4.70682	5.67149
3761938.31	3.60357	5.20743	5.49672	3.91681	5.59682	3.84678	4.81382	5.96042	6.44137
3760938.31	3.54381	3.99462	5.35460	5.31105	6.25748	5.76818	3.93156	3.95079	6.42831
3759938.31	3.37040	3.64527	4.97594	3.83232	6.49386	6.93247	7.20134	4.37632	6.78278
3758938.31	3.43226	3.81699	4.23105	3.71215	6.23942	7.21944	7.72246	8.44202	8.04138
3757938.31	3.57843	3.84605	4.73801	3.77807	4.18482	7.58219	7.03713	8.72702	9.25492
3756938.31	3.80453	4.09321	4.27135	5.37896	5.18923	7.32295	7.15536	7.54700	9.71953
3755938.31	3.92788	4.29338	4.36773	4.89269	6.10103	6.55801	6.41407	7.19717	8.13779
3754938.31	3.74478	3.96760	4.20733	4.49755	4.88318	5.52597	6.13392	6.77268	7.46020
3753938.31	3.87274	3.90752	4.19872	4.46408	4.76656	5.20785	5.71792	6.23253	6.85391
3752938.31	3.71476	3.80671	3.89059	4.09293	4.37939	4.72208	5.06918	5.54418	6.14330
3751938.31	3.72392	4.74316	4.15782	4.09690	4.28529	4.57672	4.85772	5.27136	5.78351
3750938.31	4.28531	4.67323	4.47130	3.85217	4.05299	4.20852	4.45604	4.86373	5.29754
3749938.31	4.06176	4.20267	4.22512	3.66412	3.86500	4.08691	4.29265	4.63291	4.93640
3748938.31	3.82110	4.17412	4.15363	3.83321	3.77018	3.90541	4.10319	4.33927	4.52723
3747938.31	3.63146	3.86059	4.05333	4.12407	3.60949	3.72678	3.87035	4.03511	4.21273
3746938.31	3.73281	3.51457	3.64060	4.11776	4.14279	3.53832	3.62757	3.85179	3.94607
3745938.31	3.59757	3.40991	3.46280	3.80264	3.94696	3.39541	3.51397	3.64364	3.69497
3744938.31	3.06937	3.07855	3.17942	3.38379	3.79691	3.26827	3.35501	3.37694	3.54458
3743938.31	2.94188	2.91981	3.07263	3.16388	3.37675	3.17482	3.17688	3.29430	3.35992
3742938.31	3.15228	3.29912	3.37745	3.24698	3.22046	3.08154	3.13084	3.14354	3.18118
3741938.31	3.04020	3.16391	3.30046	3.29789	3.33261	3.58076	3.10897	2.99136	2.97176

**MODELOPTS: NonDEFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	3.10432	3.10171	3.10729	3.17504	3.21686	3.32045	3.41628	3.45217	3.74123
3766938.31	3.26486	3.31678	3.31062	3.44090	3.46425	3.53346	3.74194	4.28432	4.58022
3765938.31	3.59606	3.49552	3.64848	3.68737	3.75884	4.03785	4.82050	5.00221	4.67235
3764938.31	3.92224	3.87399	3.71618	3.88408	4.20932	5.18951	5.40258	5.14171	4.61603
3763938.31	5.51544	4.22116	4.24542	4.14298	4.23961	5.07985	5.32872	4.91362	4.39818
3762938.31	5.04119	5.42268	4.85752	4.95903	4.89268	4.64743	6.43955	6.45241	5.96555
3761938.31	5.60293	4.58698	6.58079	6.32256	6.46891	5.35951	6.07003	7.17355	6.74170
3760938.31	6.66271	4.22812	4.15741	5.40805	6.09513	7.11107	7.25649	6.36825	7.75118
3759938.31	4.99768	5.21966	4.50508	4.57646	5.11056	6.93181	8.69150	9.47047	9.11431
3758938.31	5.11670	5.19207	6.67857	5.79292	5.75368	7.02673	7.82652	6.86354	8.20438
3757938.31	7.87470	6.45839	6.39477	9.10960	8.28628	9.62265	8.13333	8.58255	8.43554
3756938.31	9.99972	10.74132	10.11500	10.12977	13.54842	13.21681	12.69765	14.30156	11.89451
3755938.31	10.34860	11.65930	13.25510	15.68749	18.33478	20.03484	20.47403	24.66606	21.87359
3754938.31	8.93723	11.31491	12.47486	15.34309	18.85377	24.80901	43.88205	47.93511	39.13914
3753938.31	7.62734	9.00739	11.16303	14.12320	17.20453	22.94268	33.46245	33.01351	29.46056
3752938.31	6.81372	7.77769	8.96200	10.49797	12.50294	15.90673	22.83541	29.83481	29.31785
3751938.31	6.27407	6.92343	7.72275	8.99813	10.33891	12.32118	16.63426	11.15230	20.68429
3750938.31	5.75092	6.34530	6.91228	7.72587	8.77728	11.48668	7.00459	8.95716	15.29158
3749938.31	5.32442	5.70947	6.35384	8.02913	8.81232	9.70142	9.66414	11.57431	10.14687
3748938.31	4.78236	5.21003	6.70692	5.09614	8.10636	7.68947	7.69651	7.71381	9.55520
3747938.31	4.45995	4.74362	5.22617	5.83122	6.00680	6.19426	6.23461	6.57062	8.39806
3746938.31	4.13825	4.41178	4.69420	4.83432	5.14854	5.34364	5.47545	6.97867	5.67611
3745938.31	3.89329	3.98094	4.15521	4.43041	4.68610	4.82932	6.43149	5.67584	4.92309
3744938.31	3.60155	3.67020	3.86451	4.08912	4.28509	4.46284	4.15928	4.49588	4.47655
3743938.31	3.39573	3.45757	3.60134	3.77236	4.49400	5.37497	4.10205	4.04073	4.13705
3742938.31	3.20064	3.26458	3.45589	3.59331	3.76005	3.68604	3.71077	3.75465	3.84036

3741938.31	3.04344	3.11645	3.28233	3.41643	3.60781	3.41670	3.48864	3.54013	3.62255

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	4.16077	4.15660	3.63114	3.01540	2.53049	2.04232	2.35202	2.46079	2.20652
3766938.31	4.21405	3.85534	3.30910	3.20680	2.94883	2.73289	2.90707	2.55845	2.26304
3765938.31	4.19222	3.88458	4.14055	4.09543	3.53668	3.38299	2.83550	2.50630	2.39915
3764938.31	4.44780	4.62998	4.57181	4.37353	4.01334	3.34975	2.92028	2.69358	2.47189
3763938.31	4.72381	4.95086	5.23635	4.28248	4.23330	3.62490	3.10176	2.83036	2.75904
3762938.31	6.26980	6.07647	5.46776	4.86091	4.06188	3.54091	3.15884	3.06625	3.04746
3761938.31	5.31148	5.35584	4.66250	4.56612	4.02924	3.54988	3.45469	3.40860	3.16782
3760938.31	6.98170	5.60983	5.54899	4.69715	4.15350	4.20699	4.04161	3.64976	3.29081
3759938.31	9.14368	8.28234	6.93121	5.88358	5.00522	4.84853	4.38978	4.25140	3.76772
3758938.31	6.51767	6.88604	7.19739	6.02046	6.52724	5.66413	5.19801	4.23091	4.13886
3757938.31	7.05784	6.15006	5.96663	5.43329	5.30691	6.04248	4.82888	4.25189	3.89416
3756938.31	8.53866	7.08894	7.17873	6.10907	5.02198	5.52221	5.46630	4.18695	3.79670
3755938.31	14.52600	10.28571	8.45291	5.97345	5.96274	4.85322	4.90693	5.33020	5.00058
3754938.31	33.00622	17.89583	12.48721	9.58823	7.30189	7.60869	6.41665	5.22353	5.00391
3753938.31	27.97232	33.02125	19.86148	13.32919	11.80393	9.51042	9.02476	7.52332	5.41303
3752938.31	36.32328	32.97088	35.49380	23.96267	18.58320	13.82335	11.58152	9.39822	5.93888
3751938.31	16.37207	15.04669	17.58466	18.74777	16.70773	15.68772	12.70470	10.29572	7.18375
3750938.31	11.36538	10.99981	10.83358	11.36602	11.86335	13.04739	12.45537	11.65307	8.29085
3749938.31	8.86778	8.85662	8.60159	8.56753	8.86751	9.08808	8.78910	9.43031	8.81101
3748938.31	7.49405	7.38182	7.31681	7.19533	7.18122	7.12828	7.24738	9.39509	7.37130
3747938.31	6.36745	6.39159	6.39103	6.28803	6.22374	6.14639	6.02954	6.11372	7.78080
3746938.31	5.50993	5.85827	5.55597	5.55848	5.51209	5.54496	5.38920	5.31364	5.34964
3745938.31	4.93900	5.05376	5.01759	5.01102	5.01836	4.98112	4.98396	4.75287	4.79004
3744938.31	4.51731	4.57237	4.57732	4.49509	4.54701	4.51212	4.57746	4.53737	4.32130
3743938.31	4.17190	4.20307	4.21972	4.17005	4.24798	4.25234	4.16576	4.21543	4.17729
3742938.31	3.88625	3.92007	3.99726	4.03941	5.11875	3.71739	4.49235	3.92611	3.97863
3741938.31	3.65652	3.65832	3.79108	4.88198	4.38349	3.66231	3.51443	4.02287	3.72050

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	2.02439	1.90933	1.72053	1.52044	1.32954	1.07646	0.82335	0.58220	0.44136
3766938.31	2.16683	1.89404	1.64387	1.57474	1.27090	0.49303	0.50539	0.50548	0.51197
3765938.31	2.16839	1.90080	1.44952	1.53269	1.33357	0.68125	0.56459	0.58005	0.70812
3764938.31	2.45484	2.17932	1.92904	1.87726	1.40076	1.08969	1.04073	0.99571	0.77515
3763938.31	2.70285	2.54706	2.42035	2.15522	1.79830	1.40445	1.31508	1.33964	1.13020
3762938.31	2.84379	2.63569	2.30564	2.05698	1.87070	1.70772	1.53374	1.41724	1.32731
3761938.31	3.02559	2.78740	2.36247	1.61533	1.92131	1.70172	1.81569	1.76580	1.52070
3760938.31	3.19096	2.79664	2.43905	2.23604	2.08178	2.12977	1.98156	1.90177	1.67974
3759938.31	3.13891	2.90172	2.64424	2.53415	2.42259	2.28912	2.21383	1.97132	1.87335
3758938.31	3.54408	3.11388	2.74669	2.69477	2.56786	2.45279	2.40455	2.24662	2.06034
3757938.31	3.48781	3.26499	3.05761	2.88625	2.78752	2.65001	2.47053	2.43218	2.45350
3756938.31	3.62098	3.41514	3.23358	3.20633	3.16205	3.06189	2.89376	2.86604	2.87756
3755938.31	4.66645	4.17507	3.92610	3.67790	3.45300	3.29512	3.15092	3.03724	2.97805
3754938.31	4.62366	4.28788	3.89560	3.64764	3.39282	3.30090	3.19616	3.03924	2.98519
3753938.31	4.83110	4.49565	4.17469	3.80536	3.57701	3.34784	3.24410	3.15357	3.07436
3752938.31	5.65672	4.76415	4.35465	3.82959	3.73602	3.49529	3.38757	3.28057	3.13865
3751938.31	6.37807	5.87183	4.54189	4.07254	4.05793	3.63151	3.38672	3.49541	3.46041
3750938.31	7.58070	6.47595	4.74481	4.54090	4.32863	4.13924	3.98360	3.83731	3.39115
3749938.31	9.38699	8.24601	6.03326	4.70417	4.46580	3.89128	3.98069	3.86698	3.69613
3748938.31	8.23831	7.98743	6.59230	5.51075	5.02497	4.88583	4.15019	4.30048	3.85133
3747938.31	7.29737	7.92697	6.55032	6.01580	5.16516	4.19292	4.90339	4.80172	4.86982
3746938.31	5.34210	6.13772	5.80804	5.55316	5.66158	5.05911	5.08826	5.19715	4.71441
3745938.31	4.75202	4.91843	6.40769	6.31346	5.84101	6.03189	5.33746	4.27394	3.68554
3744938.31	4.34922	4.29723	4.38939	4.43036	3.44685	4.13212	4.06647	2.86454	2.91136
3743938.31	3.97304	3.99155	3.97426	4.01413	4.96167	3.27587	2.63359	2.72542	2.42430
3742938.31	3.86765	3.71662	3.71325	3.74599	3.77952	4.92682	3.36139	2.40369	2.18731
3741938.31	3.75707	3.65411	3.50946	3.48806	3.55917	3.51552	3.59972	4.04939	2.37291

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	24.21896	25.18754	26.02515	27.48726	29.24933	30.41462	31.86141	33.37208	36.27723
3754534.43	23.58648	24.59861	25.05917	26.26816	27.70304	29.57525	31.06421	33.19910	35.49190
3754434.43	23.12637	23.88017	24.70266	25.48317	27.02604	28.13990	29.70499	31.54423	33.88402
3754334.43	22.93606	23.60785	24.36857	25.33349	26.37832	27.41321	28.95519	31.22718	33.23410
3754234.43	23.06571	23.65585	24.46002	25.25960	26.13381	27.36814	28.43198	29.98679	31.67820
3754134.43	23.05442	23.77534	24.49292	25.28890	26.04623	26.98245	28.18930	29.75419	30.81364
3754034.43	22.88900	23.72865	24.44502	25.11892	25.95226	27.09729	27.49478	29.55736	30.47302
3753934.43	22.94525	23.84557	24.57783	25.23060	26.09627	26.90700	27.61171	29.35663	30.88117
3753834.43	23.19416	23.76868	24.16528	25.21998	25.72081	26.89513	27.97229	28.92354	29.44914
3753734.43	22.49299	23.24668	23.95526	24.98371	25.62895	26.27491	28.30576	28.92405	30.00445
3753634.43	21.72248	22.78765	22.44173	23.75726	24.69073	25.86377	27.13446	28.57450	29.99711
3753534.43	20.82154	21.11068	21.98587	23.57624	24.29103	24.81000	25.79054	26.29244	28.22094
3753434.43	19.40888	20.43576	21.48168	22.16423	23.23844	23.94548	24.10795	24.72233	26.30127
3753334.43	19.12632	19.80406	20.09939	20.89725	21.66345	22.95643	23.20896	23.59669	25.13556
3753234.43	18.08403	18.54457	19.30137	20.34954	20.51044	21.06454	22.23754	22.82705	24.50608
3753134.43	17.97010	18.09838	18.20802	18.54483	19.65205	20.18555	21.55692	21.68641	22.59660
3753034.43	16.90098	17.19793	17.95579	18.22993	18.81849	19.37069	20.29574	20.73462	21.64232
3752934.43	15.89746	16.36511	17.11601	17.42158	18.24607	18.70947	19.43347	20.18782	20.80850
3752834.43	15.76316	16.11313	16.66470	17.09800	17.64010	18.13897	18.81862	19.75941	20.17429
3752734.43	15.16975	15.61277	15.86389	16.32889	16.77980	17.41101	17.89746	18.62837	19.39490
3752634.43	14.78387	15.07157	15.57110	16.03116	16.43059	17.27037	17.71253	18.24399	18.98761
3752534.43	14.43452	14.81009	15.09970	15.62644	16.01377	16.53283	17.17085	17.67387	18.31613
3752434.43	14.10413	14.53720	14.84919	15.20010	15.57190	15.86354	16.67889	17.09123	17.69743
3752334.43	13.65774	14.07423	14.32227	14.73720	15.26938	15.59773	16.04352	16.45975	17.03829
3752234.43	13.23572	13.64832	14.14196	14.39105	14.65107	14.76978	15.43035	15.82932	16.47905
3752134.43	13.08878	13.43666	13.65901	13.90697	14.23547	14.55034	15.00144	15.57839	16.15551
3752034.43	12.82028	13.02740	13.19806	13.44785	13.86790	14.18261	14.65324	15.20511	15.56188
3751934.43	12.31159	12.60482	12.89095	13.15352	13.53364	13.93750	14.34836	14.62579	15.09337
3751834.43	12.03852	12.31086	12.65664	13.01656	13.20384	13.62641	13.89616	14.40313	15.22239
3751734.43	11.87298	12.17135	12.48154	12.71183	13.00652	13.22788	13.56469	14.09315	14.79645
3751634.43	11.68914	12.00298	12.21596	12.44819	12.85644	12.79236	13.39574	14.16948	14.95653
3751534.43	11.50179	11.79662	12.46864	12.71097	12.99895	12.99513	13.67741	14.31592	13.82115
3751434.43	11.47074	11.98378	12.54491	12.70606	12.90884	13.60846	13.77070	13.05197	10.91075
3751334.43	11.38124	11.89773	12.19307	12.61453	12.69779	13.43599	13.13509	10.90576	9.27596
3751234.43	11.49301	11.80129	12.15428	12.47247	12.91562	13.06806	12.07055	9.87285	8.65333
3751134.43	11.44407	11.61477	11.83443	12.57960	12.66738	12.34153	11.68818	9.89034	8.86207
3751034.43	11.31746	11.55292	12.24279	11.35607	12.03178	11.56419	10.44432	8.76517	7.96111
3750934.43	11.50339	11.68802	11.21945	10.78053	10.79258	10.48981	9.13808	7.92441	7.38671

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** NO2 - LST Assessment (No Refrigeration) *** 09:58:54
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL OLM

*** THE 8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112152 , L0112153 , L0112154 , L0112155 ,
L0112156 , L0112157 , L0112158 , L0112159 , L0112160 , L0112161 , L0112162 , L0112163 ,
L0112164 , L0112165 , L0112166 , L0112167 , L0111014 , L0111015 , L0111016 , L0111017 ,
L0111018 , L0111019 , L0111020 , L0111021 , L0111022 , L0111023 , L0111024 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	40.58660
3754534.43	38.12953
3754434.43	38.29361
3754334.43	37.69902
3754234.43	34.86454
3754134.43	33.69519
3754034.43	32.75074
3753934.43	33.00978
3753834.43	32.39746
3753734.43	32.28576
3753634.43	31.80642
3753534.43	31.39160
3753434.43	28.07769
3753334.43	26.85975
3753234.43	26.05727
3753134.43	24.62587
3753034.43	22.94727
3752934.43	21.50750
3752834.43	21.14448
3752734.43	20.36096
3752634.43	19.99656
3752534.43	19.14976
3752434.43	18.43175
3752334.43	17.71736
3752234.43	17.25689
3752134.43	16.59949
3752034.43	16.45735
3751934.43	15.91553
3751834.43	15.70452
3751734.43	15.63034
3751634.43	15.03697
3751534.43	11.69991
3751434.43	9.34996
3751334.43	8.29085
3751234.43	8.00591
3751134.43	7.95853
3751034.43	7.51845
3750934.43	7.16156

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
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**MODELOPTs:  NonDFAULT CONC                                        ELEV
              FASTALL                                                   OLM

   *** THE   8TH-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                          INCLUDING SOURCE(S):     PHASE1      , L0112152    , L0112153    , L0112154    , L0112155    ,
              L0112156    , L0112157    , L0112158    , L0112159    , L0112160    , L0112161    , L0112162    , L0112163    ,
              L0112164    , L0112165    , L0112166    , L0112167    , L0111014    , L0111015    , L0111016    , L0111017    ,
              L0111018    , L0111019    , L0111020    , L0111021    , L0111022    , L0111023    , L0111024    ,  . . .      ,

                          *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                               ** CONC OF NO2      IN MICROGRAMS/M**3                          **

   Y-COORD  |                                        X-COORD (METERS)
   (METERS) |     485549.47    485649.47    485749.47    485849.47
- - - -
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                                   ** CONC OF NO2      IN MICROGRAMS/M**3                          **

                                                                                                                NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - -
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** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 8.0.7
** Lakes Environmental Software Inc.
** Date: 12/19/2012
** File: C:\MBA\Highland Fairview REV3 - All Sources\AERMOD-REV3\LST-AERMOD-2022\LST_PM10_REV3_NR_REV1\LST_PM10_REV3_NR_REV1.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE WLC Project-Related Operations - 2022
   TITLETWO PM10 - LST Assessment (No Refrigeration)
   MODELOPT CONC  FASTALL
   AVERTIME 24 ANNUAL
   URBANOPT 2000000
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL LST_PM10_REV3_NR_REV1.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION PHASE1       AREAPOLY   485577.456  3755020.364      527.630
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT01
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.0218
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 2
** 487123.57, 3755422.68, 541.00, 1.30, 27.35
** 487123.57, 3755095.72, 532.00, 1.30, 27.35
** ---------------------------------------------------------------------
   LOCATION L0112156     VOLUME   487123.570 3755406.219 540.55
   LOCATION L0112157     VOLUME   487123.570 3755347.411 538.93
   LOCATION L0112158     VOLUME   487123.570 3755288.602 537.31
   LOCATION L0112159     VOLUME   487123.570 3755229.793 535.69
   LOCATION L0112160     VOLUME   487123.570 3755170.984 534.07
   LOCATION L0112161     VOLUME   487123.570 3755112.176 532.45
** End of LINE VOLUME Source ID = SEGMENT01
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT02
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.0841
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 2
** 487126.15, 3755058.81, 532.00, 1.30, 30.03
** 487128.77, 3754444.85, 508.00, 1.30, 30.03
** ---------------------------------------------------------------------
   LOCATION L0112162     VOLUME   487126.220 3755042.351 531.36
   LOCATION L0112163     VOLUME   487126.496 3754977.791 528.83
   LOCATION L0112164     VOLUME   487126.772 3754913.230 526.31
   LOCATION L0112165     VOLUME   487127.048 3754848.670 523.79
   LOCATION L0112166     VOLUME   487127.324 3754784.110 521.26
   LOCATION L0112167     VOLUME   487127.600 3754719.550 518.74
   LOCATION L0112168     VOLUME   487127.876 3754654.990 516.21
   LOCATION L0112169     VOLUME   487128.151 3754590.429 513.69
   LOCATION L0112170     VOLUME   487128.427 3754525.869 511.17
   LOCATION L0112171     VOLUME   487128.703 3754461.309 508.64
** End of LINE VOLUME Source ID = SEGMENT02
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT03
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0608
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 4
** 487123.53, 3754444.85, 511.00, 1.30, 18.01
** 486186.84, 3754452.72, 516.00, 1.30, 18.01
** 486042.53, 3754366.14, 509.00, 1.30, 18.01
** 486008.42, 3754297.92, 511.00, 1.30, 18.01
** ---------------------------------------------------------------------
   LOCATION L0112172     VOLUME   487113.771 3754444.931 511.05
   LOCATION L0112173     VOLUME   487075.047 3754445.256 511.26
   LOCATION L0112174     VOLUME   487036.323 3754445.582 511.47
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   LOCATION L0112175     VOLUME   486997.599 3754445.907 511.67
   LOCATION L0112176     VOLUME   486958.875 3754446.233 511.88
   LOCATION L0112177     VOLUME   486920.150 3754446.558 512.09
   LOCATION L0112178     VOLUME   486881.426 3754446.884 512.29
   LOCATION L0112179     VOLUME   486842.702 3754447.209 512.50
   LOCATION L0112180     VOLUME   486803.978 3754447.534 512.71
   LOCATION L0112181     VOLUME   486765.253 3754447.860 512.91
   LOCATION L0112182     VOLUME   486726.529 3754448.185 513.12
   LOCATION L0112183     VOLUME   486687.805 3754448.511 513.33
   LOCATION L0112184     VOLUME   486649.081 3754448.836 513.53
   LOCATION L0112185     VOLUME   486610.357 3754449.161 513.74
   LOCATION L0112186     VOLUME   486571.632 3754449.487 513.95
   LOCATION L0112187     VOLUME   486532.908 3754449.812 514.15
   LOCATION L0112188     VOLUME   486494.184 3754450.138 514.36
   LOCATION L0112189     VOLUME   486455.460 3754450.463 514.57
   LOCATION L0112190     VOLUME   486416.735 3754450.788 514.77
   LOCATION L0112191     VOLUME   486378.011 3754451.114 514.98
   LOCATION L0112192     VOLUME   486339.287 3754451.439 515.19
   LOCATION L0112193     VOLUME   486300.563 3754451.765 515.39
   LOCATION L0112194     VOLUME   486261.839 3754452.090 515.60
   LOCATION L0112195     VOLUME   486223.114 3754452.416 515.81
   LOCATION L0112196     VOLUME   486184.739 3754451.459 515.90
   LOCATION L0112197     VOLUME   486151.532 3754431.535 514.29
   LOCATION L0112198     VOLUME   486118.325 3754411.611 512.68
   LOCATION L0112199     VOLUME   486085.119 3754391.687 511.07
   LOCATION L0112200     VOLUME   486051.912 3754371.763 509.45
   LOCATION L0112201     VOLUME   486030.106 3754341.280 509.73
   LOCATION L0112202     VOLUME   486012.788 3754306.643 510.74
** End of LINE VOLUME Source ID = SEGMENT03
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT04
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.00765
** Elevated
** Vertical Dimension = 1.20
** SZINIT = 0.28
** Nodes = 3
** 486005.80, 3754303.17, 511.00, 1.20, 17.72
** 485997.93, 3753510.79, 496.00, 1.20, 17.72
** 486071.40, 3753390.09, 494.00, 1.20, 17.72
** ----------------------------------------------------------------------
   LOCATION L0110682     VOLUME   486005.704 3754293.411 510.63
   LOCATION L0110683     VOLUME   486005.326 3754255.321 509.54
   LOCATION L0110684     VOLUME   486004.948 3754217.231 507.64
   LOCATION L0110685     VOLUME   486004.569 3754179.142 507.85
   LOCATION L0110686     VOLUME   486004.191 3754141.052 508.00
   LOCATION L0110687     VOLUME   486003.812 3754102.962 506.84
   LOCATION L0110688     VOLUME   486003.434 3754064.872 506.32
   LOCATION L0110689     VOLUME   486003.056 3754026.782 505.20
   LOCATION L0110690     VOLUME   486002.677 3753988.692 504.96
   LOCATION L0110691     VOLUME   486002.299 3753950.603 504.05
   LOCATION L0110692     VOLUME   486001.921 3753912.513 503.42
   LOCATION L0110693     VOLUME   486001.542 3753874.423 502.15
   LOCATION L0110694     VOLUME   486001.164 3753836.333 500.88
   LOCATION L0110695     VOLUME   486000.785 3753798.243 499.60
   LOCATION L0110696     VOLUME   486000.407 3753760.153 499.65
   LOCATION L0110697     VOLUME   486000.029 3753722.064 501.86
   LOCATION L0110698     VOLUME   485999.650 3753683.974 501.59
   LOCATION L0110699     VOLUME   485999.272 3753645.884 499.01
   LOCATION L0110700     VOLUME   485998.894 3753607.794 496.47
   LOCATION L0110701     VOLUME   485998.515 3753569.704 495.96
   LOCATION L0110702     VOLUME   485998.137 3753531.614 496.53
   LOCATION L0110703     VOLUME   486006.906 3753496.041 495.32
   LOCATION L0110704     VOLUME   486026.712 3753463.503 492.84
   LOCATION L0110705     VOLUME   486046.518 3753430.965 491.43
   LOCATION L0110706     VOLUME   486066.323 3753398.427 492.30
** End of LINE VOLUME Source ID = SEGMENT04
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT05
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0169
** Elevated
** Vertical Dimension = 1.20
** SZINIT = 0.28
** Nodes = 4
** 486071.40, 3753390.09, 494.00, 1.20, 24.05
** 486147.48, 3753361.23, 495.00, 1.20, 24.05
** 486743.08, 3753353.36, 496.00, 1.20, 24.05
** 487118.28, 3753274.65, 490.00, 1.20, 24.05
** ----------------------------------------------------------------------
   LOCATION L0112203     VOLUME   486083.649 3753385.447 494.16
   LOCATION L0112204     VOLUME   486131.996 3753367.108 494.80
   LOCATION L0112205     VOLUME   486182.626 3753360.769 495.06
   LOCATION L0112206     VOLUME   486234.330 3753360.085 495.15
   LOCATION L0112207     VOLUME   486286.035 3753359.402 495.23
   LOCATION L0112208     VOLUME   486337.740 3753358.719 495.32
   LOCATION L0112209     VOLUME   486389.444 3753358.035 495.41
   LOCATION L0112210     VOLUME   486441.149 3753357.352 495.49
   LOCATION L0112211     VOLUME   486492.853 3753356.669 495.58
   LOCATION L0112212     VOLUME   486544.558 3753355.985 495.67
   LOCATION L0112213     VOLUME   486596.263 3753355.302 495.75
   LOCATION L0112214     VOLUME   486647.967 3753354.619 495.84
   LOCATION L0112215     VOLUME   486699.672 3753353.936 495.93
   LOCATION L0112216     VOLUME   486751.201 3753351.658 495.87
   LOCATION L0112217     VOLUME   486801.808 3753341.041 495.06
   LOCATION L0112218     VOLUME   486852.415 3753330.424 494.25
   LOCATION L0112219     VOLUME   486903.023 3753319.807 493.44
   LOCATION L0112220     VOLUME   486953.630 3753309.190 492.63
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   LOCATION L0112221     VOLUME   487004.238 3753298.573 491.82
   LOCATION L0112222     VOLUME   487054.845 3753287.956 491.01
   LOCATION L0112223     VOLUME   487105.453 3753277.340 490.21
** End of LINE VOLUME Source ID = SEGMENT05
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT06
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.06
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 2
** 487123.53, 3754450.10, 512.00, 1.30, 29.19
** 487105.16, 3753287.77, 490.00, 1.30, 29.19
** ---------------------------------------------------------------------
   LOCATION L0112224     VOLUME   487123.266 3754433.639 511.69
   LOCATION L0112225     VOLUME   487122.275 3754370.893 510.50
   LOCATION L0112226     VOLUME   487121.283 3754308.148 509.31
   LOCATION L0112227     VOLUME   487120.292 3754245.403 508.13
   LOCATION L0112228     VOLUME   487119.300 3754182.658 506.94
   LOCATION L0112229     VOLUME   487118.309 3754119.913 505.75
   LOCATION L0112230     VOLUME   487117.317 3754057.168 504.56
   LOCATION L0112231     VOLUME   487116.326 3753994.422 503.38
   LOCATION L0112232     VOLUME   487115.334 3753931.677 502.19
   LOCATION L0112233     VOLUME   487114.343 3753868.932 501.00
   LOCATION L0112234     VOLUME   487113.351 3753806.187 499.81
   LOCATION L0112235     VOLUME   487112.360 3753743.442 498.62
   LOCATION L0112236     VOLUME   487111.369 3753680.697 497.44
   LOCATION L0112237     VOLUME   487110.377 3753617.951 496.25
   LOCATION L0112238     VOLUME   487109.386 3753555.206 495.06
   LOCATION L0112239     VOLUME   487108.394 3753492.461 493.87
   LOCATION L0112240     VOLUME   487107.403 3753429.716 492.69
   LOCATION L0112241     VOLUME   487106.411 3753366.971 491.50
   LOCATION L0112242     VOLUME   487105.420 3753304.226 490.31
** End of LINE VOLUME Source ID = SEGMENT06
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT07
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.048
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 487102.54, 3753300.89, 489.00, 1.00, 29.21
** 487105.16, 3752765.64, 483.00, 1.00, 29.21
** ---------------------------------------------------------------------
   LOCATION L0111775     VOLUME   487102.617 3753284.427 489.25
   LOCATION L0111776     VOLUME   487102.924 3753221.636 489.56
   LOCATION L0111777     VOLUME   487103.232 3753158.844 486.75
   LOCATION L0111778     VOLUME   487103.540 3753096.053 485.78
   LOCATION L0111779     VOLUME   487103.848 3753033.262 484.98
   LOCATION L0111780     VOLUME   487104.156 3752970.471 486.98
   LOCATION L0111781     VOLUME   487104.463 3752907.680 484.85
   LOCATION L0111782     VOLUME   487104.771 3752844.889 483.17
   LOCATION L0111783     VOLUME   487105.079 3752782.098 483.74
** End of LINE VOLUME Source ID = SEGMENT07
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT08
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0236
** Elevated
** Vertical Dimension = 1.20
** SZINIT = 0.28
** Nodes = 3
** 486074.02, 3753392.72, 494.00, 1.20, 18.01
** 485979.56, 3753190.69, 490.00, 1.20, 18.01
** 485959.38, 3752271.31, 509.00, 1.20, 18.01
** ---------------------------------------------------------------------
   LOCATION L0110756     VOLUME   486069.888 3753383.881 492.66
   LOCATION L0110757     VOLUME   486053.485 3753348.798 491.27
   LOCATION L0110758     VOLUME   486037.083 3753313.715 490.52
   LOCATION L0110759     VOLUME   486020.680 3753278.632 490.29
   LOCATION L0110760     VOLUME   486004.278 3753243.549 490.00
   LOCATION L0110761     VOLUME   485987.875 3753208.466 489.60
   LOCATION L0110762     VOLUME   485979.144 3753171.590 489.02
   LOCATION L0110763     VOLUME   485978.294 3753132.871 488.12
   LOCATION L0110764     VOLUME   485977.445 3753094.153 488.21
   LOCATION L0110765     VOLUME   485976.595 3753055.434 489.37
   LOCATION L0110766     VOLUME   485975.745 3753016.715 490.11
   LOCATION L0110767     VOLUME   485974.895 3752977.997 490.00
   LOCATION L0110768     VOLUME   485974.045 3752939.278 489.00
   LOCATION L0110769     VOLUME   485973.195 3752900.559 489.00
   LOCATION L0110770     VOLUME   485972.345 3752861.841 489.00
   LOCATION L0110771     VOLUME   485971.495 3752823.122 489.00
   LOCATION L0110772     VOLUME   485970.646 3752784.403 488.77
   LOCATION L0110773     VOLUME   485969.796 3752745.684 487.04
   LOCATION L0110774     VOLUME   485968.946 3752706.966 485.22
   LOCATION L0110775     VOLUME   485968.096 3752668.247 486.17
   LOCATION L0110776     VOLUME   485967.246 3752629.528 488.82
   LOCATION L0110777     VOLUME   485966.396 3752590.810 490.12
   LOCATION L0110778     VOLUME   485965.546 3752552.091 495.23
   LOCATION L0110779     VOLUME   485964.696 3752513.372 496.37
   LOCATION L0110780     VOLUME   485963.846 3752474.654 496.10
   LOCATION L0110781     VOLUME   485962.997 3752435.935 496.42
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   LOCATION L0110782     VOLUME   485962.147 3752397.216 498.83
   LOCATION L0110783     VOLUME   485961.297 3752358.498 500.09
   LOCATION L0110784     VOLUME   485960.447 3752319.779 500.68
   LOCATION L0110785     VOLUME   485959.597 3752281.060 501.95
** End of LINE VOLUME Source ID = SEGMENT08
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT11
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.00895
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 485510.85, 3754275.79, 515.00, 1.00, 15.74
** 485509.55, 3753074.46, 494.00, 1.00, 15.74
** ---------------------------------------------------------------------
   LOCATION L0112243     VOLUME   485510.839 3754267.258 514.85
   LOCATION L0112244     VOLUME   485510.802 3754233.422 514.26
   LOCATION L0112245     VOLUME   485510.765 3754199.586 513.67
   LOCATION L0112246     VOLUME   485510.729 3754165.750 513.08
   LOCATION L0112247     VOLUME   485510.692 3754131.914 512.48
   LOCATION L0112248     VOLUME   485510.655 3754098.078 511.89
   LOCATION L0112249     VOLUME   485510.619 3754064.242 511.30
   LOCATION L0112250     VOLUME   485510.582 3754030.406 510.71
   LOCATION L0112251     VOLUME   485510.545 3753996.570 510.12
   LOCATION L0112252     VOLUME   485510.509 3753962.734 509.53
   LOCATION L0112253     VOLUME   485510.472 3753928.898 508.94
   LOCATION L0112254     VOLUME   485510.436 3753895.062 508.34
   LOCATION L0112255     VOLUME   485510.399 3753861.226 507.75
   LOCATION L0112256     VOLUME   485510.362 3753827.390 507.16
   LOCATION L0112257     VOLUME   485510.326 3753793.554 506.57
   LOCATION L0112258     VOLUME   485510.289 3753759.718 505.98
   LOCATION L0112259     VOLUME   485510.252 3753725.882 505.39
   LOCATION L0112260     VOLUME   485510.216 3753692.046 504.80
   LOCATION L0112261     VOLUME   485510.179 3753658.210 504.20
   LOCATION L0112262     VOLUME   485510.142 3753624.374 503.61
   LOCATION L0112263     VOLUME   485510.106 3753590.538 503.02
   LOCATION L0112264     VOLUME   485510.069 3753556.702 502.43
   LOCATION L0112265     VOLUME   485510.032 3753522.866 501.84
   LOCATION L0112266     VOLUME   485509.996 3753489.030 501.25
   LOCATION L0112267     VOLUME   485509.959 3753455.194 500.66
   LOCATION L0112268     VOLUME   485509.922 3753421.357 500.06
   LOCATION L0112269     VOLUME   485509.886 3753387.521 499.47
   LOCATION L0112270     VOLUME   485509.849 3753353.685 498.88
   LOCATION L0112271     VOLUME   485509.812 3753319.849 498.29
   LOCATION L0112272     VOLUME   485509.776 3753286.013 497.70
   LOCATION L0112273     VOLUME   485509.739 3753252.177 497.11
   LOCATION L0112274     VOLUME   485509.702 3753218.341 496.52
   LOCATION L0112275     VOLUME   485509.666 3753184.505 495.92
   LOCATION L0112276     VOLUME   485509.629 3753150.669 495.33
   LOCATION L0112277     VOLUME   485509.592 3753116.833 494.74
   LOCATION L0112278     VOLUME   485509.556 3753082.997 494.15
** End of LINE VOLUME Source ID = SEGMENT11
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT12
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0135
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 2
** 485533.45, 3755091.71, 532.00, 1.30, 15.63
** 485515.75, 3754268.39, 515.00, 1.30, 15.63
** ---------------------------------------------------------------------
   LOCATION L0111820     VOLUME   485533.265 3755083.180 531.19
   LOCATION L0111821     VOLUME   485532.543 3755049.586 528.80
   LOCATION L0111822     VOLUME   485531.821 3755015.992 528.21
   LOCATION L0111823     VOLUME   485531.099 3754982.399 528.02
   LOCATION L0111824     VOLUME   485530.377 3754948.805 526.65
   LOCATION L0111825     VOLUME   485529.654 3754915.211 525.38
   LOCATION L0111826     VOLUME   485528.932 3754881.617 522.89
   LOCATION L0111827     VOLUME   485528.210 3754848.023 520.45
   LOCATION L0111828     VOLUME   485527.488 3754814.429 523.22
   LOCATION L0111829     VOLUME   485526.766 3754780.835 526.04
   LOCATION L0111830     VOLUME   485526.044 3754747.241 526.70
   LOCATION L0111831     VOLUME   485525.321 3754713.647 524.19
   LOCATION L0111832     VOLUME   485524.599 3754680.053 521.85
   LOCATION L0111833     VOLUME   485523.877 3754646.460 521.76
   LOCATION L0111834     VOLUME   485523.155 3754612.866 522.11
   LOCATION L0111835     VOLUME   485522.433 3754579.272 522.18
   LOCATION L0111836     VOLUME   485521.711 3754545.678 519.09
   LOCATION L0111837     VOLUME   485520.988 3754512.084 515.25
   LOCATION L0111838     VOLUME   485520.266 3754478.490 514.73
   LOCATION L0111839     VOLUME   485519.544 3754444.896 516.68
   LOCATION L0111840     VOLUME   485518.822 3754411.302 517.04
   LOCATION L0111841     VOLUME   485518.100 3754377.708 515.99
   LOCATION L0111842     VOLUME   485517.378 3754344.114 515.07
   LOCATION L0111843     VOLUME   485516.655 3754310.520 515.00
   LOCATION L0111844     VOLUME   485515.933 3754276.927 514.56
** End of LINE VOLUME Source ID = SEGMENT12
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT14
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0193
```

```
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 2
** 485503.72, 3755054.30, 532.00, 1.30, 23.83
** 486400.84, 3755050.67, 532.00, 1.30, 23.83
** ----------------------------------------------------------------------
   LOCATION L0111845     VOLUME   485516.820 3755054.250 529.90
   LOCATION L0111846     VOLUME   485568.051 3755054.043 528.58
   LOCATION L0111847     VOLUME   485619.281 3755053.835 530.77
   LOCATION L0111848     VOLUME   485670.512 3755053.628 532.50
   LOCATION L0111849     VOLUME   485721.742 3755053.421 534.25
   LOCATION L0111850     VOLUME   485772.972 3755053.213 531.14
   LOCATION L0111851     VOLUME   485824.203 3755053.006 529.49
   LOCATION L0111852     VOLUME   485875.433 3755052.798 529.85
   LOCATION L0111853     VOLUME   485926.663 3755052.591 530.93
   LOCATION L0111854     VOLUME   485977.894 3755052.384 529.69
   LOCATION L0111855     VOLUME   486029.124 3755052.176 529.39
   LOCATION L0111856     VOLUME   486080.355 3755051.969 529.54
   LOCATION L0111857     VOLUME   486131.585 3755051.761 529.54
   LOCATION L0111858     VOLUME   486182.815 3755051.554 530.26
   LOCATION L0111859     VOLUME   486234.046 3755051.346 527.40
   LOCATION L0111860     VOLUME   486285.276 3755051.139 527.00
   LOCATION L0111861     VOLUME   486336.506 3755050.932 526.50
   LOCATION L0111862     VOLUME   486387.737 3755050.724 527.33
** End of LINE VOLUME Source ID = SEGMENT14
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT15
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0136
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 2
** 486385.45, 3755051.87, 530.00, 1.30, 23.51
** 487119.32, 3755045.18, 533.00, 1.30, 23.51
** ----------------------------------------------------------------------
   LOCATION L0112279     VOLUME   486398.558 3755051.755 530.05
   LOCATION L0112280     VOLUME   486449.105 3755051.294 530.26
   LOCATION L0112281     VOLUME   486499.652 3755050.833 530.47
   LOCATION L0112282     VOLUME   486550.198 3755050.372 530.67
   LOCATION L0112283     VOLUME   486600.745 3755049.911 530.88
   LOCATION L0112284     VOLUME   486651.292 3755049.450 531.09
   LOCATION L0112285     VOLUME   486701.838 3755048.989 531.29
   LOCATION L0112286     VOLUME   486752.385 3755048.528 531.50
   LOCATION L0112287     VOLUME   486802.931 3755048.067 531.71
   LOCATION L0112288     VOLUME   486853.478 3755047.607 531.91
   LOCATION L0112289     VOLUME   486904.025 3755047.146 532.12
   LOCATION L0112290     VOLUME   486954.571 3755046.685 532.33
   LOCATION L0112291     VOLUME   487005.118 3755046.224 532.53
   LOCATION L0112292     VOLUME   487055.665 3755045.763 532.74
   LOCATION L0112293     VOLUME   487106.211 3755045.302 532.95
** End of LINE VOLUME Source ID = SEGMENT15
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT18
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00646
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 5
** 487138.06, 3755042.91, 533.00, 1.30, 23.38
** 487300.89, 3755033.99, 529.00, 1.30, 23.38
** 487535.10, 3754996.07, 529.00, 1.30, 23.38
** 487711.32, 3755000.53, 525.00, 1.30, 23.38
** 487907.61, 3754947.00, 526.00, 1.30, 23.38
** ----------------------------------------------------------------------
   LOCATION L0111428     VOLUME   487151.146 3755042.194 530.63
   LOCATION L0111429     VOLUME   487201.328 3755039.444 528.00
   LOCATION L0111430     VOLUME   487251.510 3755036.694 528.53
   LOCATION L0111431     VOLUME   487301.683 3755033.861 528.59
   LOCATION L0111432     VOLUME   487351.295 3755025.828 526.03
   LOCATION L0111433     VOLUME   487400.906 3755017.796 524.56
   LOCATION L0111434     VOLUME   487450.518 3755009.764 524.36
   LOCATION L0111435     VOLUME   487500.129 3755001.731 526.00
   LOCATION L0111436     VOLUME   487549.926 3754996.444 528.33
   LOCATION L0111437     VOLUME   487600.167 3754997.716 529.25
   LOCATION L0111438     VOLUME   487650.409 3754998.988 526.24
   LOCATION L0111439     VOLUME   487700.650 3755000.260 522.97
   LOCATION L0111440     VOLUME   487749.509 3754990.115 522.29
   LOCATION L0111441     VOLUME   487797.996 3754976.891 523.27
   LOCATION L0111442     VOLUME   487846.482 3754963.667 524.09
   LOCATION L0111443     VOLUME   487894.969 3754950.444 525.82
** End of LINE VOLUME Source ID = SEGMENT18
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT18A
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00263
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 5
** 487908.51, 3754945.43, 526.00, 1.30, 24.10
** 488040.12, 3754869.59, 520.00, 1.30, 24.10
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** 488173.95, 3754769.21, 522.00, 0.30, 24.10
** 488301.10, 3754733.52, 523.00, 1.30, 24.10
** 488497.39, 3754720.14, 526.00, 1.30, 24.10
** ---------------------------------------------------------------------
   LOCATION L0111878     VOLUME   487919.867 3754938.887 524.63
   LOCATION L0111879     VOLUME   487964.761 3754913.016 521.91
   LOCATION L0111880     VOLUME   488009.655 3754887.144 519.81
   LOCATION L0111881     VOLUME   488053.443 3754859.596 519.44
   LOCATION L0111882     VOLUME   488094.895 3754828.507 519.17
   LOCATION L0111883     VOLUME   488136.347 3754797.418 520.48
   LOCATION L0111884     VOLUME   488178.582 3754767.914 521.23
   LOCATION L0111885     VOLUME   488228.469 3754753.911 522.90
   LOCATION L0111886     VOLUME   488278.356 3754739.908 523.05
   LOCATION L0111887     VOLUME   488329.227 3754731.607 521.54
   LOCATION L0111888     VOLUME   488380.922 3754728.082 523.90
   LOCATION L0111889     VOLUME   488432.617 3754724.557 527.97
   LOCATION L0111890     VOLUME   488484.312 3754721.033 524.82
** End of LINE VOLUME Source ID = SEGMENT18A
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT19
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0229
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 6
** 487121.55, 3754448.99, 511.00, 1.30, 17.64
** 487583.28, 3754424.46, 510.00, 1.30, 17.64
** 487714.88, 3754428.92, 512.00, 1.30, 17.64
** 487795.18, 3754451.22, 513.00, 1.30, 17.64
** 488303.76, 3754442.30, 511.00, 1.30, 17.64
** 488433.13, 3754346.39, 506.00, 1.30, 17.64
** ---------------------------------------------------------------------
   LOCATION L0110873     VOLUME   487131.288 3754448.475 506.58
   LOCATION L0110874     VOLUME   487169.165 3754446.462 506.00
   LOCATION L0110875     VOLUME   487207.043 3754444.450 508.12
   LOCATION L0110876     VOLUME   487244.921 3754442.437 509.08
   LOCATION L0110877     VOLUME   487282.799 3754440.424 509.78
   LOCATION L0110878     VOLUME   487320.677 3754438.411 509.05
   LOCATION L0110879     VOLUME   487358.555 3754436.398 509.37
   LOCATION L0110880     VOLUME   487396.433 3754434.385 510.45
   LOCATION L0110881     VOLUME   487434.310 3754432.373 509.94
   LOCATION L0110882     VOLUME   487472.188 3754430.360 509.38
   LOCATION L0110883     VOLUME   487510.066 3754428.347 509.95
   LOCATION L0110884     VOLUME   487547.944 3754426.334 510.22
   LOCATION L0110885     VOLUME   487585.824 3754424.543 509.56
   LOCATION L0110886     VOLUME   487623.733 3754425.828 510.12
   LOCATION L0110887     VOLUME   487661.643 3754427.113 510.71
   LOCATION L0110888     VOLUME   487699.553 3754428.398 510.44
   LOCATION L0110889     VOLUME   487736.651 3754434.965 510.81
   LOCATION L0110890     VOLUME   487773.198 3754445.117 510.41
   LOCATION L0110891     VOLUME   487810.295 3754450.958 509.88
   LOCATION L0110892     VOLUME   487848.220 3754450.293 509.77
   LOCATION L0110893     VOLUME   487886.146 3754449.628 508.53
   LOCATION L0110894     VOLUME   487924.071 3754448.962 507.74
   LOCATION L0110895     VOLUME   487961.997 3754448.297 508.40
   LOCATION L0110896     VOLUME   487999.922 3754447.632 509.00
   LOCATION L0110897     VOLUME   488037.848 3754446.966 508.07
   LOCATION L0110898     VOLUME   488075.773 3754446.301 507.15
   LOCATION L0110899     VOLUME   488113.698 3754445.635 508.18
   LOCATION L0110900     VOLUME   488151.624 3754444.970 508.31
   LOCATION L0110901     VOLUME   488189.549 3754444.305 509.27
   LOCATION L0110902     VOLUME   488227.475 3754443.639 510.36
   LOCATION L0110903     VOLUME   488265.400 3754442.974 510.66
   LOCATION L0110904     VOLUME   488303.326 3754442.309 510.94
   LOCATION L0110905     VOLUME   488333.881 3754419.967 509.27
   LOCATION L0110906     VOLUME   488364.352 3754397.376 506.49
   LOCATION L0110907     VOLUME   488394.822 3754374.786 504.46
   LOCATION L0110908     VOLUME   488425.293 3754352.196 504.99
** End of LINE VOLUME Source ID = SEGMENT19
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT20
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.00522
** Elevated
** Vertical Dimension = 1.20
** SZINIT = 0.28
** Nodes = 3
** 488428.67, 3754348.62, 506.00, 12.00, 18.04
** 488457.67, 3754308.47, 506.00, 1.20, 18.04
** 488457.67, 3753291.32, 483.00, 1.20, 18.04
** ---------------------------------------------------------------------
   LOCATION L0110909     VOLUME   488434.379 3754340.708 505.31
   LOCATION L0110910     VOLUME   488457.087 3754309.267 506.00
   LOCATION L0110911     VOLUME   488457.666 3754270.671 506.00
   LOCATION L0110912     VOLUME   488457.666 3754231.887 505.06
   LOCATION L0110913     VOLUME   488457.666 3754193.103 501.00
   LOCATION L0110914     VOLUME   488457.666 3754154.319 501.52
   LOCATION L0110915     VOLUME   488457.666 3754115.535 503.63
   LOCATION L0110916     VOLUME   488457.666 3754076.751 502.89
   LOCATION L0110917     VOLUME   488457.666 3754037.968 502.00
   LOCATION L0110918     VOLUME   488457.666 3753999.184 502.00
   LOCATION L0110919     VOLUME   488457.666 3753960.400 502.00
   LOCATION L0110920     VOLUME   488457.666 3753921.616 500.44
   LOCATION L0110921     VOLUME   488457.666 3753882.832 498.43
   LOCATION L0110922     VOLUME   488457.666 3753844.049 497.13
   LOCATION L0110923     VOLUME   488457.666 3753805.265 496.84
   LOCATION L0110924     VOLUME   488457.666 3753766.481 496.00
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   LOCATION L0110925     VOLUME   488457.666 3753727.697 495.26
   LOCATION L0110926     VOLUME   488457.666 3753688.913 493.93
   LOCATION L0110927     VOLUME   488457.666 3753650.130 491.01
   LOCATION L0110928     VOLUME   488457.666 3753611.346 488.38
   LOCATION L0110929     VOLUME   488457.666 3753572.562 488.00
   LOCATION L0110930     VOLUME   488457.666 3753533.778 488.00
   LOCATION L0110931     VOLUME   488457.666 3753494.994 488.00
   LOCATION L0110932     VOLUME   488457.666 3753456.211 487.21
   LOCATION L0110933     VOLUME   488457.666 3753417.427 485.91
   LOCATION L0110934     VOLUME   488457.666 3753378.643 485.38
   LOCATION L0110935     VOLUME   488457.666 3753339.859 483.99
   LOCATION L0110936     VOLUME   488457.666 3753301.075 482.04
** End of LINE VOLUME Source ID = SEGMENT20
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT21
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0219
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 2
** 487098.48, 3753294.03, 491.00, 1.30, 22.81
** 487762.08, 3753289.01, 485.00, 1.30, 22.81
** ----------------------------------------------------------------------
   LOCATION L0112294     VOLUME   487111.587 3753293.935 490.88
   LOCATION L0112295     VOLUME   487160.618 3753293.563 490.44
   LOCATION L0112296     VOLUME   487209.648 3753293.192 489.99
   LOCATION L0112297     VOLUME   487258.678 3753292.820 489.55
   LOCATION L0112298     VOLUME   487307.708 3753292.449 489.11
   LOCATION L0112299     VOLUME   487356.738 3753292.077 488.66
   LOCATION L0112300     VOLUME   487405.769 3753291.706 488.22
   LOCATION L0112301     VOLUME   487454.799 3753291.335 487.78
   LOCATION L0112302     VOLUME   487503.829 3753290.963 487.34
   LOCATION L0112303     VOLUME   487552.859 3753290.592 486.89
   LOCATION L0112304     VOLUME   487601.890 3753290.220 486.45
   LOCATION L0112305     VOLUME   487650.920 3753289.849 486.01
   LOCATION L0112306     VOLUME   487699.950 3753289.477 485.56
   LOCATION L0112307     VOLUME   487748.980 3753289.106 485.12
** End of LINE VOLUME Source ID = SEGMENT21
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT22
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0227
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 2
** 487752.03, 3753289.01, 485.00, 1.30, 24.24
** 488455.85, 3753289.01, 483.00, 1.30, 24.24
** ----------------------------------------------------------------------
   LOCATION L0111458     VOLUME   487765.135 3753289.007 484.00
   LOCATION L0111459     VOLUME   487817.259 3753289.007 485.27
   LOCATION L0111460     VOLUME   487869.383 3753289.007 483.15
   LOCATION L0111461     VOLUME   487921.507 3753289.007 482.97
   LOCATION L0111462     VOLUME   487973.631 3753289.007 484.84
   LOCATION L0111463     VOLUME   488025.755 3753289.007 485.63
   LOCATION L0111464     VOLUME   488077.879 3753289.007 485.37
   LOCATION L0111465     VOLUME   488130.002 3753289.007 485.63
   LOCATION L0111466     VOLUME   488182.126 3753289.007 485.63
   LOCATION L0111467     VOLUME   488234.250 3753289.007 486.33
   LOCATION L0111468     VOLUME   488286.374 3753289.007 484.87
   LOCATION L0111469     VOLUME   488338.498 3753289.007 484.37
   LOCATION L0111470     VOLUME   488390.622 3753289.007 484.55
   LOCATION L0111471     VOLUME   488442.746 3753289.007 483.27
** End of LINE VOLUME Source ID = SEGMENT22
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT23
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0715
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 488445.80, 3753299.06, 484.00, 1.00, 18.10
** 488450.82, 3752851.63, 480.00, 1.00, 18.10
** ----------------------------------------------------------------------
   LOCATION L0111472     VOLUME   488445.906 3753289.307 481.64
   LOCATION L0111473     VOLUME   488446.343 3753250.405 481.00
   LOCATION L0111474     VOLUME   488446.780 3753211.503 480.05
   LOCATION L0111475     VOLUME   488447.217 3753172.601 479.00
   LOCATION L0111476     VOLUME   488447.654 3753133.700 478.46
   LOCATION L0111477     VOLUME   488448.091 3753094.798 478.00
   LOCATION L0111478     VOLUME   488448.528 3753055.896 477.00
   LOCATION L0111479     VOLUME   488448.966 3753016.994 477.00
   LOCATION L0111480     VOLUME   488449.403 3752978.092 477.73
   LOCATION L0111481     VOLUME   488449.840 3752939.190 478.97
   LOCATION L0111482     VOLUME   488450.277 3752900.289 478.00
   LOCATION L0111483     VOLUME   488450.714 3752861.387 478.00
** End of LINE VOLUME Source ID = SEGMENT23
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT24
** DESCRSRC
** PREFIX
```

```
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0287
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 2
** 488450.82, 3753299.06, 483.00, 1.30, 23.53
** 489893.66, 3753294.03, 493.00, 1.30, 23.53
** ----------------------------------------------------------------------
   LOCATION L0110977     VOLUME   488463.928 3753299.016 481.83
   LOCATION L0110978     VOLUME   488514.522 3753298.839 480.92
   LOCATION L0110979     VOLUME   488565.116 3753298.663 482.30
   LOCATION L0110980     VOLUME   488615.709 3753298.487 484.06
   LOCATION L0110981     VOLUME   488666.303 3753298.310 483.24
   LOCATION L0110982     VOLUME   488716.897 3753298.134 482.04
   LOCATION L0110983     VOLUME   488767.490 3753297.958 482.14
   LOCATION L0110984     VOLUME   488818.084 3753297.782 481.14
   LOCATION L0110985     VOLUME   488868.678 3753297.605 482.05
   LOCATION L0110986     VOLUME   488919.271 3753297.429 483.39
   LOCATION L0110987     VOLUME   488969.865 3753297.253 485.90
   LOCATION L0110988     VOLUME   489020.459 3753297.076 484.22
   LOCATION L0110989     VOLUME   489071.052 3753296.900 484.83
   LOCATION L0110990     VOLUME   489121.646 3753296.724 484.90
   LOCATION L0110991     VOLUME   489172.240 3753296.548 486.48
   LOCATION L0110992     VOLUME   489222.833 3753296.371 491.61
   LOCATION L0110993     VOLUME   489273.427 3753296.195 494.43
   LOCATION L0110994     VOLUME   489324.020 3753296.019 490.50
   LOCATION L0110995     VOLUME   489374.614 3753295.842 489.14
   LOCATION L0110996     VOLUME   489425.208 3753295.666 490.32
   LOCATION L0110997     VOLUME   489475.801 3753295.490 490.16
   LOCATION L0110998     VOLUME   489526.395 3753295.314 490.47
   LOCATION L0110999     VOLUME   489576.989 3753295.137 493.03
   LOCATION L0111000     VOLUME   489627.582 3753294.961 493.36
   LOCATION L0111001     VOLUME   489678.176 3753294.785 495.58
   LOCATION L0111002     VOLUME   489728.770 3753294.608 496.83
   LOCATION L0111003     VOLUME   489779.363 3753294.432 493.43
   LOCATION L0111004     VOLUME   489829.957 3753294.256 489.16
   LOCATION L0111005     VOLUME   489880.551 3753294.080 491.63
** End of LINE VOLUME Source ID = SEGMENT24
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT25
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.0117
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 3
** 489888.63, 3753289.01, 493.00, 1.30, 22.24
** 489959.01, 3753319.17, 494.00, 1.30, 22.24
** 490099.77, 3753444.85, 504.00, 1.30, 22.24
** ----------------------------------------------------------------------
   LOCATION L0112308     VOLUME   489900.674 3753294.169 493.17
   LOCATION L0112309     VOLUME   489944.622 3753313.004 493.80
   LOCATION L0112310     VOLUME   489983.000 3753340.589 495.70
   LOCATION L0112311     VOLUME   490018.666 3753372.434 498.24
   LOCATION L0112312     VOLUME   490054.332 3753404.279 500.77
   LOCATION L0112313     VOLUME   490089.999 3753436.124 503.31
** End of LINE VOLUME Source ID = SEGMENT25
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT26
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0643
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 489898.68, 3753289.01, 493.00, 1.00, 15.51
** 489903.71, 3752871.74, 482.00, 1.00, 15.51
** ----------------------------------------------------------------------
   LOCATION L0111490     VOLUME   489898.786 3753280.472 492.29
   LOCATION L0111491     VOLUME   489899.187 3753247.123 490.45
   LOCATION L0111492     VOLUME   489899.589 3753213.773 488.25
   LOCATION L0111493     VOLUME   489899.991 3753180.423 487.01
   LOCATION L0111494     VOLUME   489900.393 3753147.074 488.28
   LOCATION L0111495     VOLUME   489900.795 3753113.724 490.99
   LOCATION L0111496     VOLUME   489901.196 3753080.374 490.63
   LOCATION L0111497     VOLUME   489901.598 3753047.024 489.03
   LOCATION L0111498     VOLUME   489902.000 3753013.675 487.32
   LOCATION L0111499     VOLUME   489902.402 3752980.325 486.24
   LOCATION L0111500     VOLUME   489902.804 3752946.975 484.59
   LOCATION L0111501     VOLUME   489903.205 3752913.626 482.46
   LOCATION L0111502     VOLUME   489903.607 3752880.276 480.38
** End of LINE VOLUME Source ID = SEGMENT26
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT27
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.038
** Elevated
** Vertical Dimension = 1.00
** SZINIT = 0.23
** Nodes = 2
** 489908.74, 3752866.71, 482.00, 1.00, 15.35
** 490255.62, 3752876.77, 483.00, 1.00, 15.35
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** ----------------------------------------------------------------------
   LOCATION L0111911     VOLUME   489917.269 3752866.962 481.66
   LOCATION L0111912     VOLUME   489950.251 3752867.918 483.00
   LOCATION L0111913     VOLUME   489983.233 3752868.874 484.03
   LOCATION L0111914     VOLUME   490016.215 3752869.830 484.90
   LOCATION L0111915     VOLUME   490049.197 3752870.786 486.05
   LOCATION L0111916     VOLUME   490082.179 3752871.742 485.72
   LOCATION L0111917     VOLUME   490115.161 3752872.698 485.89
   LOCATION L0111918     VOLUME   490148.143 3752873.654 486.58
   LOCATION L0111919     VOLUME   490181.125 3752874.610 486.03
   LOCATION L0111920     VOLUME   490214.107 3752875.566 484.13
   LOCATION L0111921     VOLUME   490247.089 3752876.522 482.55
** End of LINE VOLUME Source ID = SEGMENT27
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT28
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0151
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 3
** 488445.80, 3752856.66, 479.00, 1.30, 15.60
** 489023.93, 3752886.82, 482.00, 1.30, 15.60
** 489903.71, 3752871.74, 482.00, 1.30, 15.60
** ----------------------------------------------------------------------
   LOCATION L0111036     VOLUME   488454.320 3752857.104 478.00
   LOCATION L0111037     VOLUME   488487.803 3752858.851 478.65
   LOCATION L0111038     VOLUME   488521.287 3752860.598 477.56
   LOCATION L0111039     VOLUME   488554.771 3752862.345 475.49
   LOCATION L0111040     VOLUME   488588.255 3752864.092 475.28
   LOCATION L0111041     VOLUME   488621.738 3752865.839 476.58
   LOCATION L0111042     VOLUME   488655.222 3752867.586 478.01
   LOCATION L0111043     VOLUME   488688.706 3752869.333 478.46
   LOCATION L0111044     VOLUME   488722.190 3752871.080 477.56
   LOCATION L0111045     VOLUME   488755.673 3752872.827 477.44
   LOCATION L0111046     VOLUME   488789.157 3752874.574 478.33
   LOCATION L0111047     VOLUME   488822.641 3752876.321 478.23
   LOCATION L0111048     VOLUME   488856.125 3752878.068 478.05
   LOCATION L0111049     VOLUME   488889.608 3752879.815 478.00
   LOCATION L0111050     VOLUME   488923.092 3752881.562 477.67
   LOCATION L0111051     VOLUME   488956.576 3752883.309 478.20
   LOCATION L0111052     VOLUME   488990.060 3752885.056 479.67
   LOCATION L0111053     VOLUME   489023.543 3752886.803 481.39
   LOCATION L0111054     VOLUME   489057.067 3752886.256 482.69
   LOCATION L0111055     VOLUME   489090.592 3752885.681 481.79
   LOCATION L0111056     VOLUME   489124.116 3752885.106 480.72
   LOCATION L0111057     VOLUME   489157.640 3752884.531 479.78
   LOCATION L0111058     VOLUME   489191.165 3752883.957 478.81
   LOCATION L0111059     VOLUME   489224.689 3752883.382 478.66
   LOCATION L0111060     VOLUME   489258.213 3752882.807 479.70
   LOCATION L0111061     VOLUME   489291.738 3752882.233 480.07
   LOCATION L0111062     VOLUME   489325.262 3752881.658 480.06
   LOCATION L0111063     VOLUME   489358.787 3752881.083 480.07
   LOCATION L0111064     VOLUME   489392.311 3752880.508 480.03
   LOCATION L0111065     VOLUME   489425.835 3752879.934 480.19
   LOCATION L0111066     VOLUME   489459.360 3752879.359 481.26
   LOCATION L0111067     VOLUME   489492.884 3752878.784 481.90
   LOCATION L0111068     VOLUME   489526.408 3752878.210 481.91
   LOCATION L0111069     VOLUME   489559.933 3752877.635 482.48
   LOCATION L0111070     VOLUME   489593.457 3752877.060 483.49
   LOCATION L0111071     VOLUME   489626.981 3752876.486 484.65
   LOCATION L0111072     VOLUME   489660.506 3752875.911 484.85
   LOCATION L0111073     VOLUME   489694.030 3752875.336 483.84
   LOCATION L0111074     VOLUME   489727.555 3752874.761 484.12
   LOCATION L0111075     VOLUME   489761.079 3752874.187 485.30
   LOCATION L0111076     VOLUME   489794.603 3752873.612 484.92
   LOCATION L0111077     VOLUME   489828.128 3752873.037 482.79
   LOCATION L0111078     VOLUME   489861.652 3752872.463 480.74
   LOCATION L0111079     VOLUME   489895.176 3752871.888 480.27
** End of LINE VOLUME Source ID = SEGMENT28
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT29
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.0246
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 2
** 488254.11, 3755298.30, 548.00, 1.30, 9.20
** 488465.26, 3754775.46, 527.00, 1.30, 9.20
** ----------------------------------------------------------------------
   LOCATION L0111503     VOLUME   488256.001 3755293.618 547.91
   LOCATION L0111504     VOLUME   488263.407 3755275.280 547.76
   LOCATION L0111505     VOLUME   488270.813 3755256.941 547.00
   LOCATION L0111506     VOLUME   488278.219 3755238.603 546.11
   LOCATION L0111507     VOLUME   488285.625 3755220.265 545.58
   LOCATION L0111508     VOLUME   488293.031 3755201.926 546.30
   LOCATION L0111509     VOLUME   488300.437 3755183.588 546.55
   LOCATION L0111510     VOLUME   488307.843 3755165.250 546.07
   LOCATION L0111511     VOLUME   488315.248 3755146.911 545.50
   LOCATION L0111512     VOLUME   488322.654 3755128.573 544.24
   LOCATION L0111513     VOLUME   488330.060 3755110.235 541.81
   LOCATION L0111514     VOLUME   488337.466 3755091.896 539.27
   LOCATION L0111515     VOLUME   488344.872 3755073.558 537.21
   LOCATION L0111516     VOLUME   488352.278 3755055.220 535.11
   LOCATION L0111517     VOLUME   488359.684 3755036.881 533.03
   LOCATION L0111518     VOLUME   488367.089 3755018.543 531.46
   LOCATION L0111519     VOLUME   488374.495 3755000.205 530.12
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   LOCATION L0111520     VOLUME   488381.901 3754981.866 528.93
   LOCATION L0111521     VOLUME   488389.307 3754963.528 527.84
   LOCATION L0111522     VOLUME   488396.713 3754945.190 527.02
   LOCATION L0111523     VOLUME   488404.119 3754926.851 527.91
   LOCATION L0111524     VOLUME   488411.525 3754908.513 527.77
   LOCATION L0111525     VOLUME   488418.930 3754890.175 527.27
   LOCATION L0111526     VOLUME   488426.336 3754871.837 526.62
   LOCATION L0111527     VOLUME   488433.742 3754853.498 525.57
   LOCATION L0111528     VOLUME   488441.148 3754835.160 524.34
   LOCATION L0111529     VOLUME   488448.554 3754816.822 526.00
   LOCATION L0111530     VOLUME   488455.960 3754798.483 526.05
   LOCATION L0111531     VOLUME   488463.366 3754780.145 526.51
** End of LINE VOLUME Source ID = SEGMENT29
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT30
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.102
** Elevated
** Vertical Dimension = 1.20
** SZINIT = 0.28
** Nodes = 4
** 488465.58, 3754780.49, 527.00, 1.20, 9.32
** 488732.03, 3754307.92, 516.00, 1.20, 9.32
** 488963.28, 3754116.89, 511.00, 1.20, 9.32
** 490099.45, 3753423.12, 503.00, 1.20, 9.32
** ----------------------------------------------------------------------
   LOCATION L0112314     VOLUME   488468.061 3754776.091 526.90
   LOCATION L0112315     VOLUME   488477.900 3754758.640 526.49
   LOCATION L0112316     VOLUME   488487.740 3754741.189 526.09
   LOCATION L0112317     VOLUME   488497.579 3754723.739 525.68
   LOCATION L0112318     VOLUME   488507.418 3754706.288 525.27
   LOCATION L0112319     VOLUME   488517.257 3754688.838 524.87
   LOCATION L0112320     VOLUME   488527.096 3754671.387 524.46
   LOCATION L0112321     VOLUME   488536.935 3754653.936 524.05
   LOCATION L0112322     VOLUME   488546.775 3754636.486 523.65
   LOCATION L0112323     VOLUME   488556.614 3754619.035 523.24
   LOCATION L0112324     VOLUME   488566.453 3754601.585 522.84
   LOCATION L0112325     VOLUME   488576.292 3754584.134 522.43
   LOCATION L0112326     VOLUME   488586.131 3754566.683 522.02
   LOCATION L0112327     VOLUME   488595.971 3754549.233 521.62
   LOCATION L0112328     VOLUME   488605.810 3754531.782 521.21
   LOCATION L0112329     VOLUME   488615.649 3754514.331 520.80
   LOCATION L0112330     VOLUME   488625.488 3754496.881 520.40
   LOCATION L0112331     VOLUME   488635.327 3754479.430 519.99
   LOCATION L0112332     VOLUME   488645.166 3754461.980 519.59
   LOCATION L0112333     VOLUME   488655.006 3754444.529 519.18
   LOCATION L0112334     VOLUME   488664.845 3754427.078 518.77
   LOCATION L0112335     VOLUME   488674.684 3754409.628 518.37
   LOCATION L0112336     VOLUME   488684.523 3754392.177 517.96
   LOCATION L0112337     VOLUME   488694.362 3754374.727 517.55
   LOCATION L0112338     VOLUME   488704.201 3754357.276 517.15
   LOCATION L0112339     VOLUME   488714.041 3754339.825 516.74
   LOCATION L0112340     VOLUME   488723.880 3754322.375 516.34
   LOCATION L0112341     VOLUME   488734.683 3754305.731 515.94
   LOCATION L0112342     VOLUME   488750.128 3754292.972 515.61
   LOCATION L0112343     VOLUME   488765.573 3754280.213 515.27
   LOCATION L0112344     VOLUME   488781.018 3754267.454 514.94
   LOCATION L0112345     VOLUME   488796.462 3754254.695 514.61
   LOCATION L0112346     VOLUME   488811.907 3754241.937 514.27
   LOCATION L0112347     VOLUME   488827.352 3754229.178 513.94
   LOCATION L0112348     VOLUME   488842.797 3754216.419 513.61
   LOCATION L0112349     VOLUME   488858.242 3754203.660 513.27
   LOCATION L0112350     VOLUME   488873.687 3754190.901 512.94
   LOCATION L0112351     VOLUME   488889.132 3754178.142 512.60
   LOCATION L0112352     VOLUME   488904.577 3754165.384 512.27
   LOCATION L0112353     VOLUME   488920.022 3754152.625 511.94
   LOCATION L0112354     VOLUME   488935.467 3754139.866 511.60
   LOCATION L0112355     VOLUME   488950.912 3754127.107 511.27
   LOCATION L0112356     VOLUME   488966.685 3754114.810 510.98
   LOCATION L0112357     VOLUME   488983.783 3754104.369 510.86
   LOCATION L0112358     VOLUME   489000.881 3754093.929 510.74
   LOCATION L0112359     VOLUME   489017.979 3754083.489 510.61
   LOCATION L0112360     VOLUME   489035.077 3754073.049 510.49
   LOCATION L0112361     VOLUME   489052.174 3754062.608 510.37
   LOCATION L0112362     VOLUME   489069.272 3754052.168 510.25
   LOCATION L0112363     VOLUME   489086.370 3754041.728 510.13
   LOCATION L0112364     VOLUME   489103.468 3754031.288 510.01
   LOCATION L0112365     VOLUME   489120.566 3754020.847 509.89
   LOCATION L0112366     VOLUME   489137.663 3754010.407 509.77
   LOCATION L0112367     VOLUME   489154.761 3753999.967 509.65
   LOCATION L0112368     VOLUME   489171.859 3753989.527 509.53
   LOCATION L0112369     VOLUME   489188.957 3753979.086 509.41
   LOCATION L0112370     VOLUME   489206.055 3753968.646 509.29
   LOCATION L0112371     VOLUME   489223.152 3753958.206 509.17
   LOCATION L0112372     VOLUME   489240.250 3753947.766 509.05
   LOCATION L0112373     VOLUME   489257.348 3753937.325 508.93
   LOCATION L0112374     VOLUME   489274.446 3753926.885 508.81
   LOCATION L0112375     VOLUME   489291.544 3753916.445 508.69
   LOCATION L0112376     VOLUME   489308.641 3753906.005 508.57
   LOCATION L0112377     VOLUME   489325.739 3753895.564 508.45
   LOCATION L0112378     VOLUME   489342.837 3753885.124 508.33
   LOCATION L0112379     VOLUME   489359.935 3753874.684 508.21
   LOCATION L0112380     VOLUME   489377.033 3753864.244 508.09
   LOCATION L0112381     VOLUME   489394.130 3753853.803 507.97
   LOCATION L0112382     VOLUME   489411.228 3753843.363 507.85
   LOCATION L0112383     VOLUME   489428.326 3753832.923 507.73
   LOCATION L0112384     VOLUME   489445.424 3753822.483 507.61
   LOCATION L0112385     VOLUME   489462.522 3753812.042 507.48
   LOCATION L0112386     VOLUME   489479.619 3753801.602 507.36
   LOCATION L0112387     VOLUME   489496.717 3753791.162 507.24
   LOCATION L0112388     VOLUME   489513.815 3753780.722 507.12
   LOCATION L0112389     VOLUME   489530.913 3753770.281 507.00
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   LOCATION L0112390     VOLUME   489548.011 3753759.841 506.88
   LOCATION L0112391     VOLUME   489565.108 3753749.401 506.76
   LOCATION L0112392     VOLUME   489582.206 3753738.961 506.64
   LOCATION L0112393     VOLUME   489599.304 3753728.520 506.52
   LOCATION L0112394     VOLUME   489616.402 3753718.080 506.40
   LOCATION L0112395     VOLUME   489633.500 3753707.640 506.28
   LOCATION L0112396     VOLUME   489650.597 3753697.200 506.16
   LOCATION L0112397     VOLUME   489667.695 3753686.759 506.04
   LOCATION L0112398     VOLUME   489684.793 3753676.319 505.92
   LOCATION L0112399     VOLUME   489701.891 3753665.879 505.80
   LOCATION L0112400     VOLUME   489718.988 3753655.439 505.68
   LOCATION L0112401     VOLUME   489736.086 3753644.998 505.56
   LOCATION L0112402     VOLUME   489753.184 3753634.558 505.44
   LOCATION L0112403     VOLUME   489770.282 3753624.118 505.32
   LOCATION L0112404     VOLUME   489787.380 3753613.678 505.20
   LOCATION L0112405     VOLUME   489804.477 3753603.238 505.08
   LOCATION L0112406     VOLUME   489821.575 3753592.797 504.96
   LOCATION L0112407     VOLUME   489838.673 3753582.357 504.84
   LOCATION L0112408     VOLUME   489855.771 3753571.917 504.72
   LOCATION L0112409     VOLUME   489872.869 3753561.477 504.60
   LOCATION L0112410     VOLUME   489889.966 3753551.036 504.48
   LOCATION L0112411     VOLUME   489907.064 3753540.596 504.35
   LOCATION L0112412     VOLUME   489924.162 3753530.156 504.23
   LOCATION L0112413     VOLUME   489941.260 3753519.716 504.11
   LOCATION L0112414     VOLUME   489958.358 3753509.275 503.99
   LOCATION L0112415     VOLUME   489975.455 3753498.835 503.87
   LOCATION L0112416     VOLUME   489992.553 3753488.395 503.75
   LOCATION L0112417     VOLUME   490009.651 3753477.955 503.63
   LOCATION L0112418     VOLUME   490026.749 3753467.514 503.51
   LOCATION L0112419     VOLUME   490043.847 3753457.074 503.39
   LOCATION L0112420     VOLUME   490060.944 3753446.634 503.27
   LOCATION L0112421     VOLUME   490078.042 3753436.194 503.15
   LOCATION L0112422     VOLUME   490095.140 3753425.753 503.03
** End of LINE VOLUME Source ID = SEGMENT30
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT31
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.0414
** Elevated
** Vertical Dimension = 1.20
** SZINIT = 0.28
** Nodes = 3
** 490099.77, 3753444.85, 504.00, 1.20, 9.38
** 490652.78, 3753118.08, 492.00, 1.20, 9.38
** 491195.72, 3752374.04, 463.00, 1.20, 9.38
** ---------------------------------------------------------------------
   LOCATION L0112423     VOLUME   490104.122 3753442.284 503.91
   LOCATION L0112424     VOLUME   490121.489 3753432.021 503.53
   LOCATION L0112425     VOLUME   490138.857 3753421.758 503.15
   LOCATION L0112426     VOLUME   490156.224 3753411.496 502.78
   LOCATION L0112427     VOLUME   490173.592 3753401.233 502.40
   LOCATION L0112428     VOLUME   490190.959 3753390.971 502.02
   LOCATION L0112429     VOLUME   490208.326 3753380.708 501.64
   LOCATION L0112430     VOLUME   490225.694 3753370.446 501.27
   LOCATION L0112431     VOLUME   490243.061 3753360.183 500.89
   LOCATION L0112432     VOLUME   490260.428 3753349.921 500.51
   LOCATION L0112433     VOLUME   490277.796 3753339.658 500.14
   LOCATION L0112434     VOLUME   490295.163 3753329.396 499.76
   LOCATION L0112435     VOLUME   490312.530 3753319.133 499.38
   LOCATION L0112436     VOLUME   490329.898 3753308.871 499.01
   LOCATION L0112437     VOLUME   490347.265 3753298.608 498.63
   LOCATION L0112438     VOLUME   490364.633 3753288.345 498.25
   LOCATION L0112439     VOLUME   490382.000 3753278.083 497.88
   LOCATION L0112440     VOLUME   490399.367 3753267.820 497.50
   LOCATION L0112441     VOLUME   490416.735 3753257.558 497.12
   LOCATION L0112442     VOLUME   490434.102 3753247.295 496.75
   LOCATION L0112443     VOLUME   490451.469 3753237.033 496.37
   LOCATION L0112444     VOLUME   490468.837 3753226.770 495.99
   LOCATION L0112445     VOLUME   490486.204 3753216.508 495.61
   LOCATION L0112446     VOLUME   490503.572 3753206.245 495.24
   LOCATION L0112447     VOLUME   490520.939 3753195.983 494.86
   LOCATION L0112448     VOLUME   490538.306 3753185.720 494.48
   LOCATION L0112449     VOLUME   490555.674 3753175.458 494.11
   LOCATION L0112450     VOLUME   490573.041 3753165.195 493.73
   LOCATION L0112451     VOLUME   490590.408 3753154.933 493.35
   LOCATION L0112452     VOLUME   490607.776 3753144.670 492.98
   LOCATION L0112453     VOLUME   490625.143 3753134.407 492.60
   LOCATION L0112454     VOLUME   490642.510 3753124.145 492.22
   LOCATION L0112455     VOLUME   490657.639 3753111.415 491.74
   LOCATION L0112456     VOLUME   490669.530 3753095.120 491.11
   LOCATION L0112457     VOLUME   490681.421 3753078.825 490.47
   LOCATION L0112458     VOLUME   490693.313 3753062.529 489.83
   LOCATION L0112459     VOLUME   490705.204 3753046.234 489.20
   LOCATION L0112460     VOLUME   490717.095 3753029.938 488.56
   LOCATION L0112461     VOLUME   490728.986 3753013.643 487.93
   LOCATION L0112462     VOLUME   490740.878 3752997.347 487.29
   LOCATION L0112463     VOLUME   490752.769 3752981.052 486.66
   LOCATION L0112464     VOLUME   490764.660 3752964.756 486.02
   LOCATION L0112465     VOLUME   490776.552 3752948.461 485.39
   LOCATION L0112466     VOLUME   490788.443 3752932.165 484.75
   LOCATION L0112467     VOLUME   490800.334 3752915.870 484.12
   LOCATION L0112468     VOLUME   490812.225 3752899.574 483.48
   LOCATION L0112469     VOLUME   490824.117 3752883.279 482.85
   LOCATION L0112470     VOLUME   490836.008 3752866.983 482.21
   LOCATION L0112471     VOLUME   490847.899 3752850.688 481.58
   LOCATION L0112472     VOLUME   490859.791 3752834.392 480.94
   LOCATION L0112473     VOLUME   490871.682 3752818.097 480.31
   LOCATION L0112474     VOLUME   490883.573 3752801.802 479.67
   LOCATION L0112475     VOLUME   490895.464 3752785.506 479.04
   LOCATION L0112476     VOLUME   490907.356 3752769.211 478.40
   LOCATION L0112477     VOLUME   490919.247 3752752.915 477.77
   LOCATION L0112478     VOLUME   490931.138 3752736.620 477.13
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   LOCATION L0112479     VOLUME   490943.030 3752720.324 476.50
   LOCATION L0112480     VOLUME   490954.921 3752704.029 475.86
   LOCATION L0112481     VOLUME   490966.812 3752687.733 475.23
   LOCATION L0112482     VOLUME   490978.703 3752671.438 474.59
   LOCATION L0112483     VOLUME   490990.595 3752655.142 473.96
   LOCATION L0112484     VOLUME   491002.486 3752638.847 473.32
   LOCATION L0112485     VOLUME   491014.377 3752622.551 472.69
   LOCATION L0112486     VOLUME   491026.269 3752606.256 472.05
   LOCATION L0112487     VOLUME   491038.160 3752589.960 471.42
   LOCATION L0112488     VOLUME   491050.051 3752573.665 470.78
   LOCATION L0112489     VOLUME   491061.942 3752557.370 470.15
   LOCATION L0112490     VOLUME   491073.834 3752541.074 469.51
   LOCATION L0112491     VOLUME   491085.725 3752524.779 468.88
   LOCATION L0112492     VOLUME   491097.616 3752508.483 468.24
   LOCATION L0112493     VOLUME   491109.508 3752492.188 467.60
   LOCATION L0112494     VOLUME   491121.399 3752475.892 466.97
   LOCATION L0112495     VOLUME   491133.290 3752459.597 466.33
   LOCATION L0112496     VOLUME   491145.181 3752443.301 465.70
   LOCATION L0112497     VOLUME   491157.073 3752427.006 465.06
   LOCATION L0112498     VOLUME   491168.964 3752410.710 464.43
   LOCATION L0112499     VOLUME   491180.855 3752394.415 463.79
   LOCATION L0112500     VOLUME   491192.747 3752378.119 463.16
** End of LINE VOLUME Source ID = SEGMENT31
   LOCATION PHASE2       AREAPOLY   485955.126  3753354.752      492.230
** Source Parameters **
   SRCPARAM PHASE1        3.98E-09     2.300        11
   AREAVERT PHASE1       485577.456 3755020.364 485577.456 3753474.160
   AREAVERT PHASE1       485908.786 3753474.160 485923.846 3753288.414
   AREAVERT PHASE1       486892.734 3753283.394 487138.721 3753248.253
   AREAVERT PHASE1       488479.099 3753223.153 488464.038 3754287.423
   AREAVERT PHASE1       488107.608 3754729.196 487153.781 3754759.316
   AREAVERT PHASE1       487138.721 3755010.324
** LINE VOLUME Source ID = SEGMENT01
   SRCPARAM L0112156     0.0036333333      1.30     27.35      0.30
   SRCPARAM L0112157     0.0036333333      1.30     27.35      0.30
   SRCPARAM L0112158     0.0036333333      1.30     27.35      0.30
   SRCPARAM L0112159     0.0036333333      1.30     27.35      0.30
   SRCPARAM L0112160     0.0036333333      1.30     27.35      0.30
   SRCPARAM L0112161     0.0036333333      1.30     27.35      0.30
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT02
   SRCPARAM L0112162       0.00841      1.30     30.03      0.30
   SRCPARAM L0112163       0.00841      1.30     30.03      0.30
   SRCPARAM L0112164       0.00841      1.30     30.03      0.30
   SRCPARAM L0112165       0.00841      1.30     30.03      0.30
   SRCPARAM L0112166       0.00841      1.30     30.03      0.30
   SRCPARAM L0112167       0.00841      1.30     30.03      0.30
   SRCPARAM L0112168       0.00841      1.30     30.03      0.30
   SRCPARAM L0112169       0.00841      1.30     30.03      0.30
   SRCPARAM L0112170       0.00841      1.30     30.03      0.30
   SRCPARAM L0112171       0.00841      1.30     30.03      0.30
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT03
   SRCPARAM L0112172     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112173     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112174     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112175     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112176     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112177     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112178     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112179     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112180     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112181     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112182     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112183     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112184     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112185     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112186     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112187     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112188     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112189     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112190     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112191     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112192     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112193     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112194     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112195     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112196     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112197     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112198     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112199     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112200     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112201     0.0019612903      1.30     18.01      0.30
   SRCPARAM L0112202     0.0019612903      1.30     18.01      0.30
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT04
   SRCPARAM L0110682      0.000306      1.20     17.72      0.28
   SRCPARAM L0110683      0.000306      1.20     17.72      0.28
   SRCPARAM L0110684      0.000306      1.20     17.72      0.28
   SRCPARAM L0110685      0.000306      1.20     17.72      0.28
   SRCPARAM L0110686      0.000306      1.20     17.72      0.28
   SRCPARAM L0110687      0.000306      1.20     17.72      0.28
   SRCPARAM L0110688      0.000306      1.20     17.72      0.28
   SRCPARAM L0110689      0.000306      1.20     17.72      0.28
   SRCPARAM L0110690      0.000306      1.20     17.72      0.28
   SRCPARAM L0110691      0.000306      1.20     17.72      0.28
   SRCPARAM L0110692      0.000306      1.20     17.72      0.28
   SRCPARAM L0110693      0.000306      1.20     17.72      0.28
   SRCPARAM L0110694      0.000306      1.20     17.72      0.28
   SRCPARAM L0110695      0.000306      1.20     17.72      0.28
   SRCPARAM L0110696      0.000306      1.20     17.72      0.28
   SRCPARAM L0110697      0.000306      1.20     17.72      0.28
   SRCPARAM L0110698      0.000306      1.20     17.72      0.28
   SRCPARAM L0110699      0.000306      1.20     17.72      0.28
   SRCPARAM L0110700      0.000306      1.20     17.72      0.28
   SRCPARAM L0110701      0.000306      1.20     17.72      0.28
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   SRCPARAM L0110702      0.000306      1.20     17.72      0.28
   SRCPARAM L0110703      0.000306      1.20     17.72      0.28
   SRCPARAM L0110704      0.000306      1.20     17.72      0.28
   SRCPARAM L0110705      0.000306      1.20     17.72      0.28
   SRCPARAM L0110706      0.000306      1.20     17.72      0.28
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT05
   SRCPARAM L0112203     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112204     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112205     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112206     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112207     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112208     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112209     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112210     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112211     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112212     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112213     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112214     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112215     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112216     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112217     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112218     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112219     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112220     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112221     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112222     0.0008047619      1.20     24.05      0.28
   SRCPARAM L0112223     0.0008047619      1.20     24.05      0.28
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT06
   SRCPARAM L0112224     0.0031578947      1.30     29.19      0.30
   SRCPARAM L0112225     0.0031578947      1.30     29.19      0.30
   SRCPARAM L0112226     0.0031578947      1.30     29.19      0.30
   SRCPARAM L0112227     0.0031578947      1.30     29.19      0.30
   SRCPARAM L0112228     0.0031578947      1.30     29.19      0.30
   SRCPARAM L0112229     0.0031578947      1.30     29.19      0.30
   SRCPARAM L0112230     0.0031578947      1.30     29.19      0.30
   SRCPARAM L0112231     0.0031578947      1.30     29.19      0.30
   SRCPARAM L0112232     0.0031578947      1.30     29.19      0.30
   SRCPARAM L0112233     0.0031578947      1.30     29.19      0.30
   SRCPARAM L0112234     0.0031578947      1.30     29.19      0.30
   SRCPARAM L0112235     0.0031578947      1.30     29.19      0.30
   SRCPARAM L0112236     0.0031578947      1.30     29.19      0.30
   SRCPARAM L0112237     0.0031578947      1.30     29.19      0.30
   SRCPARAM L0112238     0.0031578947      1.30     29.19      0.30
   SRCPARAM L0112239     0.0031578947      1.30     29.19      0.30
   SRCPARAM L0112240     0.0031578947      1.30     29.19      0.30
   SRCPARAM L0112241     0.0031578947      1.30     29.19      0.30
   SRCPARAM L0112242     0.0031578947      1.30     29.19      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT07
   SRCPARAM L0111775     0.0053333333      1.00     29.21      0.23
   SRCPARAM L0111776     0.0053333333      1.00     29.21      0.23
   SRCPARAM L0111777     0.0053333333      1.00     29.21      0.23
   SRCPARAM L0111778     0.0053333333      1.00     29.21      0.23
   SRCPARAM L0111779     0.0053333333      1.00     29.21      0.23
   SRCPARAM L0111780     0.0053333333      1.00     29.21      0.23
   SRCPARAM L0111781     0.0053333333      1.00     29.21      0.23
   SRCPARAM L0111782     0.0053333333      1.00     29.21      0.23
   SRCPARAM L0111783     0.0053333333      1.00     29.21      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT08
   SRCPARAM L0110756     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110757     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110758     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110759     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110760     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110761     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110762     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110763     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110764     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110765     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110766     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110767     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110768     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110769     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110770     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110771     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110772     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110773     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110774     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110775     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110776     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110777     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110778     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110779     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110780     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110781     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110782     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110783     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110784     0.0007866667      1.20     18.01      0.28
   SRCPARAM L0110785     0.0007866667      1.20     18.01      0.28
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT11
   SRCPARAM L0112243     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112244     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112245     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112246     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112247     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112248     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112249     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112250     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112251     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112252     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112253     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112254     0.0002486111      1.00     15.74      0.23
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   SRCPARAM L0112255     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112256     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112257     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112258     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112259     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112260     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112261     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112262     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112263     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112264     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112265     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112266     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112267     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112268     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112269     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112270     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112271     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112272     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112273     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112274     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112275     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112276     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112277     0.0002486111      1.00     15.74      0.23
   SRCPARAM L0112278     0.0002486111      1.00     15.74      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT12
   SRCPARAM L0111820       0.00054      1.30     15.63      0.30
   SRCPARAM L0111821       0.00054      1.30     15.63      0.30
   SRCPARAM L0111822       0.00054      1.30     15.63      0.30
   SRCPARAM L0111823       0.00054      1.30     15.63      0.30
   SRCPARAM L0111824       0.00054      1.30     15.63      0.30
   SRCPARAM L0111825       0.00054      1.30     15.63      0.30
   SRCPARAM L0111826       0.00054      1.30     15.63      0.30
   SRCPARAM L0111827       0.00054      1.30     15.63      0.30
   SRCPARAM L0111828       0.00054      1.30     15.63      0.30
   SRCPARAM L0111829       0.00054      1.30     15.63      0.30
   SRCPARAM L0111830       0.00054      1.30     15.63      0.30
   SRCPARAM L0111831       0.00054      1.30     15.63      0.30
   SRCPARAM L0111832       0.00054      1.30     15.63      0.30
   SRCPARAM L0111833       0.00054      1.30     15.63      0.30
   SRCPARAM L0111834       0.00054      1.30     15.63      0.30
   SRCPARAM L0111835       0.00054      1.30     15.63      0.30
   SRCPARAM L0111836       0.00054      1.30     15.63      0.30
   SRCPARAM L0111837       0.00054      1.30     15.63      0.30
   SRCPARAM L0111838       0.00054      1.30     15.63      0.30
   SRCPARAM L0111839       0.00054      1.30     15.63      0.30
   SRCPARAM L0111840       0.00054      1.30     15.63      0.30
   SRCPARAM L0111841       0.00054      1.30     15.63      0.30
   SRCPARAM L0111842       0.00054      1.30     15.63      0.30
   SRCPARAM L0111843       0.00054      1.30     15.63      0.30
   SRCPARAM L0111844       0.00054      1.30     15.63      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT14
   SRCPARAM L0111845     0.0010722222      1.30     23.83      0.30
   SRCPARAM L0111846     0.0010722222      1.30     23.83      0.30
   SRCPARAM L0111847     0.0010722222      1.30     23.83      0.30
   SRCPARAM L0111848     0.0010722222      1.30     23.83      0.30
   SRCPARAM L0111849     0.0010722222      1.30     23.83      0.30
   SRCPARAM L0111850     0.0010722222      1.30     23.83      0.30
   SRCPARAM L0111851     0.0010722222      1.30     23.83      0.30
   SRCPARAM L0111852     0.0010722222      1.30     23.83      0.30
   SRCPARAM L0111853     0.0010722222      1.30     23.83      0.30
   SRCPARAM L0111854     0.0010722222      1.30     23.83      0.30
   SRCPARAM L0111855     0.0010722222      1.30     23.83      0.30
   SRCPARAM L0111856     0.0010722222      1.30     23.83      0.30
   SRCPARAM L0111857     0.0010722222      1.30     23.83      0.30
   SRCPARAM L0111858     0.0010722222      1.30     23.83      0.30
   SRCPARAM L0111859     0.0010722222      1.30     23.83      0.30
   SRCPARAM L0111860     0.0010722222      1.30     23.83      0.30
   SRCPARAM L0111861     0.0010722222      1.30     23.83      0.30
   SRCPARAM L0111862     0.0010722222      1.30     23.83      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT15
   SRCPARAM L0112279     0.0009066667      1.30     23.51      0.30
   SRCPARAM L0112280     0.0009066667      1.30     23.51      0.30
   SRCPARAM L0112281     0.0009066667      1.30     23.51      0.30
   SRCPARAM L0112282     0.0009066667      1.30     23.51      0.30
   SRCPARAM L0112283     0.0009066667      1.30     23.51      0.30
   SRCPARAM L0112284     0.0009066667      1.30     23.51      0.30
   SRCPARAM L0112285     0.0009066667      1.30     23.51      0.30
   SRCPARAM L0112286     0.0009066667      1.30     23.51      0.30
   SRCPARAM L0112287     0.0009066667      1.30     23.51      0.30
   SRCPARAM L0112288     0.0009066667      1.30     23.51      0.30
   SRCPARAM L0112289     0.0009066667      1.30     23.51      0.30
   SRCPARAM L0112290     0.0009066667      1.30     23.51      0.30
   SRCPARAM L0112291     0.0009066667      1.30     23.51      0.30
   SRCPARAM L0112292     0.0009066667      1.30     23.51      0.30
   SRCPARAM L0112293     0.0009066667      1.30     23.51      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT18
   SRCPARAM L0111428     0.00040375      1.30     23.38      0.30
   SRCPARAM L0111429     0.00040375      1.30     23.38      0.30
   SRCPARAM L0111430     0.00040375      1.30     23.38      0.30
   SRCPARAM L0111431     0.00040375      1.30     23.38      0.30
   SRCPARAM L0111432     0.00040375      1.30     23.38      0.30
   SRCPARAM L0111433     0.00040375      1.30     23.38      0.30
   SRCPARAM L0111434     0.00040375      1.30     23.38      0.30
   SRCPARAM L0111435     0.00040375      1.30     23.38      0.30
   SRCPARAM L0111436     0.00040375      1.30     23.38      0.30
   SRCPARAM L0111437     0.00040375      1.30     23.38      0.30
   SRCPARAM L0111438     0.00040375      1.30     23.38      0.30
   SRCPARAM L0111439     0.00040375      1.30     23.38      0.30
   SRCPARAM L0111440     0.00040375      1.30     23.38      0.30
   SRCPARAM L0111441     0.00040375      1.30     23.38      0.30
   SRCPARAM L0111442     0.00040375      1.30     23.38      0.30
   SRCPARAM L0111443     0.00040375      1.30     23.38      0.30
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** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT18A
   SRCPARAM L0111878     0.0002023077      1.30     24.10      0.30
   SRCPARAM L0111879     0.0002023077      1.30     24.10      0.30
   SRCPARAM L0111880     0.0002023077      1.30     24.10      0.30
   SRCPARAM L0111881     0.0002023077      1.20     24.10      0.30
   SRCPARAM L0111882     0.0002023077      0.89     24.10      0.30
   SRCPARAM L0111883     0.0002023077      0.58     24.10      0.30
   SRCPARAM L0111884     0.0002023077      0.34     24.10      0.30
   SRCPARAM L0111885     0.0002023077      0.73     24.10      0.30
   SRCPARAM L0111886     0.0002023077      1.12     24.10      0.30
   SRCPARAM L0111887     0.0002023077      1.30     24.10      0.30
   SRCPARAM L0111888     0.0002023077      1.30     24.10      0.30
   SRCPARAM L0111889     0.0002023077      1.30     24.10      0.30
   SRCPARAM L0111890     0.0002023077      1.30     24.10      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT19
   SRCPARAM L0110873     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110874     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110875     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110876     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110877     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110878     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110879     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110880     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110881     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110882     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110883     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110884     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110885     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110886     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110887     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110888     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110889     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110890     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110891     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110892     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110893     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110894     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110895     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110896     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110897     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110898     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110899     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110900     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110901     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110902     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110903     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110904     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110905     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110906     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110907     0.0006361111      1.30     17.64      0.30
   SRCPARAM L0110908     0.0006361111      1.30     17.64      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT20
   SRCPARAM L0110909     0.0001864286      9.87     18.04      0.28
   SRCPARAM L0110910     0.0001864286      1.42     18.04      0.28
   SRCPARAM L0110911     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110912     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110913     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110914     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110915     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110916     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110917     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110918     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110919     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110920     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110921     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110922     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110923     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110924     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110925     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110926     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110927     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110928     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110929     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110930     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110931     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110932     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110933     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110934     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110935     0.0001864286      1.20     18.04      0.28
   SRCPARAM L0110936     0.0001864286      1.20     18.04      0.28
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT21
   SRCPARAM L0112294     0.0015642857      1.30     22.81      0.30
   SRCPARAM L0112295     0.0015642857      1.30     22.81      0.30
   SRCPARAM L0112296     0.0015642857      1.30     22.81      0.30
   SRCPARAM L0112297     0.0015642857      1.30     22.81      0.30
   SRCPARAM L0112298     0.0015642857      1.30     22.81      0.30
   SRCPARAM L0112299     0.0015642857      1.30     22.81      0.30
   SRCPARAM L0112300     0.0015642857      1.30     22.81      0.30
   SRCPARAM L0112301     0.0015642857      1.30     22.81      0.30
   SRCPARAM L0112302     0.0015642857      1.30     22.81      0.30
   SRCPARAM L0112303     0.0015642857      1.30     22.81      0.30
   SRCPARAM L0112304     0.0015642857      1.30     22.81      0.30
   SRCPARAM L0112305     0.0015642857      1.30     22.81      0.30
   SRCPARAM L0112306     0.0015642857      1.30     22.81      0.30
   SRCPARAM L0112307     0.0015642857      1.30     22.81      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT22
   SRCPARAM L0111458     0.0016214286      1.30     24.24      0.30
   SRCPARAM L0111459     0.0016214286      1.30     24.24      0.30
   SRCPARAM L0111460     0.0016214286      1.30     24.24      0.30
   SRCPARAM L0111461     0.0016214286      1.30     24.24      0.30
   SRCPARAM L0111462     0.0016214286      1.30     24.24      0.30
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   SRCPARAM L0111463     0.0016214286      1.30     24.24      0.30
   SRCPARAM L0111464     0.0016214286      1.30     24.24      0.30
   SRCPARAM L0111465     0.0016214286      1.30     24.24      0.30
   SRCPARAM L0111466     0.0016214286      1.30     24.24      0.30
   SRCPARAM L0111467     0.0016214286      1.30     24.24      0.30
   SRCPARAM L0111468     0.0016214286      1.30     24.24      0.30
   SRCPARAM L0111469     0.0016214286      1.30     24.24      0.30
   SRCPARAM L0111470     0.0016214286      1.30     24.24      0.30
   SRCPARAM L0111471     0.0016214286      1.30     24.24      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT23
   SRCPARAM L0111472     0.0059583333      1.00     18.10      0.23
   SRCPARAM L0111473     0.0059583333      1.00     18.10      0.23
   SRCPARAM L0111474     0.0059583333      1.00     18.10      0.23
   SRCPARAM L0111475     0.0059583333      1.00     18.10      0.23
   SRCPARAM L0111476     0.0059583333      1.00     18.10      0.23
   SRCPARAM L0111477     0.0059583333      1.00     18.10      0.23
   SRCPARAM L0111478     0.0059583333      1.00     18.10      0.23
   SRCPARAM L0111479     0.0059583333      1.00     18.10      0.23
   SRCPARAM L0111480     0.0059583333      1.00     18.10      0.23
   SRCPARAM L0111481     0.0059583333      1.00     18.10      0.23
   SRCPARAM L0111482     0.0059583333      1.00     18.10      0.23
   SRCPARAM L0111483     0.0059583333      1.00     18.10      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT24
   SRCPARAM L0110977     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110978     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110979     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110980     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110981     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110982     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110983     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110984     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110985     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110986     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110987     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110988     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110989     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110990     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110991     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110992     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110993     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110994     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110995     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110996     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110997     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110998     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0110999     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0111000     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0111001     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0111002     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0111003     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0111004     0.0009896552      1.30     23.53      0.30
   SRCPARAM L0111005     0.0009896552      1.30     23.53      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT25
   SRCPARAM L0112308       0.00195      1.30     22.24      0.30
   SRCPARAM L0112309       0.00195      1.30     22.24      0.30
   SRCPARAM L0112310       0.00195      1.30     22.24      0.30
   SRCPARAM L0112311       0.00195      1.30     22.24      0.30
   SRCPARAM L0112312       0.00195      1.30     22.24      0.30
   SRCPARAM L0112313       0.00195      1.30     22.24      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT26
   SRCPARAM L0111490     0.0049461538      1.00     15.51      0.23
   SRCPARAM L0111491     0.0049461538      1.00     15.51      0.23
   SRCPARAM L0111492     0.0049461538      1.00     15.51      0.23
   SRCPARAM L0111493     0.0049461538      1.00     15.51      0.23
   SRCPARAM L0111494     0.0049461538      1.00     15.51      0.23
   SRCPARAM L0111495     0.0049461538      1.00     15.51      0.23
   SRCPARAM L0111496     0.0049461538      1.00     15.51      0.23
   SRCPARAM L0111497     0.0049461538      1.00     15.51      0.23
   SRCPARAM L0111498     0.0049461538      1.00     15.51      0.23
   SRCPARAM L0111499     0.0049461538      1.00     15.51      0.23
   SRCPARAM L0111500     0.0049461538      1.00     15.51      0.23
   SRCPARAM L0111501     0.0049461538      1.00     15.51      0.23
   SRCPARAM L0111502     0.0049461538      1.00     15.51      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT27
   SRCPARAM L0111911     0.0034545455      1.00     15.35      0.23
   SRCPARAM L0111912     0.0034545455      1.00     15.35      0.23
   SRCPARAM L0111913     0.0034545455      1.00     15.35      0.23
   SRCPARAM L0111914     0.0034545455      1.00     15.35      0.23
   SRCPARAM L0111915     0.0034545455      1.00     15.35      0.23
   SRCPARAM L0111916     0.0034545455      1.00     15.35      0.23
   SRCPARAM L0111917     0.0034545455      1.00     15.35      0.23
   SRCPARAM L0111918     0.0034545455      1.00     15.35      0.23
   SRCPARAM L0111919     0.0034545455      1.00     15.35      0.23
   SRCPARAM L0111920     0.0034545455      1.00     15.35      0.23
   SRCPARAM L0111921     0.0034545455      1.00     15.35      0.23
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT28
   SRCPARAM L0111036     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111037     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111038     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111039     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111040     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111041     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111042     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111043     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111044     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111045     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111046     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111047     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111048     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111049     0.0003431818      1.30     15.60      0.30
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   SRCPARAM L0111050     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111051     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111052     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111053     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111054     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111055     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111056     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111057     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111058     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111059     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111060     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111061     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111062     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111063     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111064     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111065     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111066     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111067     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111068     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111069     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111070     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111071     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111072     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111073     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111074     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111075     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111076     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111077     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111078     0.0003431818      1.30     15.60      0.30
   SRCPARAM L0111079     0.0003431818      1.30     15.60      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT29
   SRCPARAM L0111503     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111504     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111505     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111506     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111507     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111508     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111509     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111510     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111511     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111512     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111513     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111514     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111515     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111516     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111517     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111518     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111519     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111520     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111521     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111522     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111523     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111524     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111525     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111526     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111527     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111528     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111529     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111530     0.0008482759      1.30      9.20      0.30
   SRCPARAM L0111531     0.0008482759      1.30      9.20      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT30
   SRCPARAM L0112314     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112315     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112316     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112317     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112318     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112319     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112320     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112321     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112322     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112323     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112324     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112325     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112326     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112327     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112328     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112329     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112330     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112331     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112332     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112333     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112334     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112335     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112336     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112337     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112338     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112339     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112340     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112341     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112342     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112343     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112344     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112345     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112346     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112347     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112348     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112349     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112350     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112351     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112352     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112353     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112354     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112355     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112356     0.0009357798      1.20      9.32      0.28
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   SRCPARAM L0112357     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112358     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112359     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112360     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112361     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112362     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112363     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112364     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112365     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112366     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112367     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112368     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112369     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112370     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112371     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112372     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112373     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112374     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112375     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112376     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112377     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112378     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112379     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112380     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112381     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112382     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112383     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112384     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112385     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112386     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112387     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112388     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112389     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112390     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112391     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112392     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112393     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112394     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112395     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112396     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112397     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112398     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112399     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112400     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112401     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112402     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112403     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112404     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112405     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112406     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112407     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112408     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112409     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112410     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112411     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112412     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112413     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112414     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112415     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112416     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112417     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112418     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112419     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112420     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112421     0.0009357798      1.20      9.32      0.28
   SRCPARAM L0112422     0.0009357798      1.20      9.32      0.28
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT31
   SRCPARAM L0112423     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112424     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112425     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112426     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112427     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112428     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112429     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112430     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112431     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112432     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112433     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112434     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112435     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112436     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112437     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112438     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112439     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112440     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112441     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112442     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112443     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112444     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112445     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112446     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112447     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112448     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112449     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112450     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112451     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112452     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112453     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112454     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112455     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112456     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112457     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112458     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112459     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112460     0.0005307692      1.20      9.38      0.28
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   SRCPARAM L0112461     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112462     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112463     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112464     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112465     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112466     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112467     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112468     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112469     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112470     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112471     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112472     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112473     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112474     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112475     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112476     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112477     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112478     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112479     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112480     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112481     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112482     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112483     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112484     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112485     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112486     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112487     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112488     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112489     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112490     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112491     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112492     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112493     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112494     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112495     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112496     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112497     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112498     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112499     0.0005307692      1.20      9.38      0.28
   SRCPARAM L0112500     0.0005307692      1.20      9.38      0.28
** ----------------------------------------------------------------------
   SRCPARAM PHASE2        3.74E-09     2.300       24
   AREAVERT PHASE2       485955.126 3753354.752 485960.607 3752757.752
   AREAVERT PHASE2       487265.046 3752735.752 487270.339 3752537.752
   AREAVERT PHASE2       488306.339 3752532.752 488311.339 3752861.752
   AREAVERT PHASE2       489243.339 3752833.752 489248.339 3752439.752
   AREAVERT PHASE2       491062.339 3752444.752 490854.339 3752883.752
   AREAVERT PHASE2       490487.339 3753222.752 488733.750 3754233.804
   AREAVERT PHASE2       488611.086 3754487.983 488405.339 3754467.752
   AREAVERT PHASE2       487997.339 3755020.752 487759.339 3755283.752
   AREAVERT PHASE2       487242.339 3755300.752 487234.339 3755007.752
   AREAVERT PHASE2       487990.339 3755019.752 488170.339 3754780.752
   AREAVERT PHASE2       488472.339 3754353.752 488465.339 3753305.752
   AREAVERT PHASE2       487133.339 3753283.752 486826.339 3753359.752
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED LST_PM10_REV3_NR_REV1.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE RIVR2.SFC
   PROFFILE RIVR2.PFL
   SURFDATA 00002 2005
   UAIRDATA 3190 2005
   PROFBASE 250.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST LST_PM10_REV3_NR_REV1.AD\24H1GALL.PLT 31
   PLOTFILE ANNUAL ALL LST_PM10_REV3_NR_REV1.AD\AN00GALL.PLT 32
   SUMMFILE LST_PM10_REV3_NR_REV1.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***
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   ********   WARNING MESSAGES   ********
ME W530    1986 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

***********************************
*** SETUP Finishes Successfully ***
***********************************

♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                   *** PM10 - LST Assessment (No Refrigeration)                                ***        11:19:04
                                                                                                                          PAGE   1
**MODELOPTS:  NonDFAULT CONC                                                  ELEV
                        FASTALL

                                                  ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - -
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L0112176	0	0.19613E-02	486958.9	3754446.2	511.9	1.30	18.01	0.30	YES
L0112177	0	0.19613E-02	486920.1	3754446.6	512.1	1.30	18.01	0.30	YES
L0112178	0	0.19613E-02	486881.4	3754446.9	512.3	1.30	18.01	0.30	YES
L0112179	0	0.19613E-02	486842.7	3754447.2	512.5	1.30	18.01	0.30	YES
L0112180	0	0.19613E-02	486804.0	3754447.5	512.7	1.30	18.01	0.30	YES
L0112181	0	0.19613E-02	486765.3	3754447.9	512.9	1.30	18.01	0.30	YES
L0112182	0	0.19613E-02	486726.5	3754448.2	513.1	1.30	18.01	0.30	YES
L0112183	0	0.19613E-02	486687.8	3754448.5	513.3	1.30	18.01	0.30	YES
L0112184	0	0.19613E-02	486649.1	3754448.8	513.5	1.30	18.01	0.30	YES
L0112185	0	0.19613E-02	486610.4	3754449.2	513.7	1.30	18.01	0.30	YES
L0112186	0	0.19613E-02	486571.6	3754449.5	513.9	1.30	18.01	0.30	YES
L0112187	0	0.19613E-02	486532.9	3754449.8	514.1	1.30	18.01	0.30	YES
L0112188	0	0.19613E-02	486494.2	3754450.1	514.4	1.30	18.01	0.30	YES
L0112189	0	0.19613E-02	486455.5	3754450.5	514.6	1.30	18.01	0.30	YES
L0112190	0	0.19613E-02	486416.7	3754450.8	514.8	1.30	18.01	0.30	YES
L0112191	0	0.19613E-02	486378.0	3754451.1	515.0	1.30	18.01	0.30	YES
L0112192	0	0.19613E-02	486339.3	3754451.4	515.2	1.30	18.01	0.30	YES
L0112193	0	0.19613E-02	486300.6	3754451.8	515.4	1.30	18.01	0.30	YES
L0112194	0	0.19613E-02	486261.8	3754452.1	515.6	1.30	18.01	0.30	YES
L0112195	0	0.19613E-02	486223.1	3754452.4	515.8	1.30	18.01	0.30	YES

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112196	0	0.19613E-02	486184.7	3754451.5	515.9	1.30	18.01	0.30	YES	
L0112197	0	0.19613E-02	486151.5	3754431.5	514.3	1.30	18.01	0.30	YES	
L0112198	0	0.19613E-02	486118.3	3754411.6	512.7	1.30	18.01	0.30	YES	
L0112199	0	0.19613E-02	486085.1	3754391.7	511.1	1.30	18.01	0.30	YES	
L0112200	0	0.19613E-02	486051.9	3754371.8	509.4	1.30	18.01	0.30	YES	
L0112201	0	0.19613E-02	486030.1	3754341.3	509.7	1.30	18.01	0.30	YES	
L0112202	0	0.19613E-02	486012.8	3754306.6	510.7	1.30	18.01	0.30	YES	
L0110682	0	0.30600E-03	486005.7	3754293.4	510.6	1.20	17.72	0.28	YES	
L0110683	0	0.30600E-03	486005.3	3754255.3	509.5	1.20	17.72	0.28	YES	
L0110684	0	0.30600E-03	486004.9	3754217.2	507.6	1.20	17.72	0.28	YES	
L0110685	0	0.30600E-03	486004.6	3754179.1	507.9	1.20	17.72	0.28	YES	
L0110686	0	0.30600E-03	486004.2	3754141.1	508.0	1.20	17.72	0.28	YES	
L0110687	0	0.30600E-03	486003.8	3754103.0	506.8	1.20	17.72	0.28	YES	
L0110688	0	0.30600E-03	486003.4	3754064.9	506.3	1.20	17.72	0.28	YES	
L0110689	0	0.30600E-03	486003.1	3754026.8	505.2	1.20	17.72	0.28	YES	
L0110690	0	0.30600E-03	486002.7	3753988.7	505.0	1.20	17.72	0.28	YES	
L0110691	0	0.30600E-03	486002.3	3753950.6	504.1	1.20	17.72	0.28	YES	
L0110692	0	0.30600E-03	486001.9	3753912.5	503.4	1.20	17.72	0.28	YES	
L0110693	0	0.30600E-03	486001.5	3753874.4	502.2	1.20	17.72	0.28	YES	
L0110694	0	0.30600E-03	486001.2	3753836.3	500.9	1.20	17.72	0.28	YES	
L0110695	0	0.30600E-03	486000.8	3753798.2	499.6	1.20	17.72	0.28	YES	
L0110696	0	0.30600E-03	486000.4	3753760.2	499.7	1.20	17.72	0.28	YES	
L0110697	0	0.30600E-03	486000.0	3753722.1	501.9	1.20	17.72	0.28	YES	
L0110698	0	0.30600E-03	485999.6	3753684.0	501.6	1.20	17.72	0.28	YES	
L0110699	0	0.30600E-03	485999.3	3753645.9	499.0	1.20	17.72	0.28	YES	
L0110700	0	0.30600E-03	485998.9	3753607.8	496.5	1.20	17.72	0.28	YES	
L0110701	0	0.30600E-03	485998.5	3753569.7	496.0	1.20	17.72	0.28	YES	
L0110702	0	0.30600E-03	485998.1	3753531.6	496.5	1.20	17.72	0.28	YES	
L0110703	0	0.30600E-03	486006.9	3753496.0	495.3	1.20	17.72	0.28	YES	
L0110704	0	0.30600E-03	486026.7	3753463.5	492.8	1.20	17.72	0.28	YES	
L0110705	0	0.30600E-03	486046.5	3753431.0	491.4	1.20	17.72	0.28	YES	
L0110706	0	0.30600E-03	486066.3	3753398.4	492.3	1.20	17.72	0.28	YES	
L0112203	0	0.80476E-03	486083.6	3753385.4	494.2	1.20	24.05	0.28	YES	
L0112204	0	0.80476E-03	486132.0	3753367.1	494.8	1.20	24.05	0.28	YES	
L0112205	0	0.80476E-03	486182.6	3753360.8	495.1	1.20	24.05	0.28	YES	
L0112206	0	0.80476E-03	486234.3	3753360.1	495.2	1.20	24.05	0.28	YES	
L0112207	0	0.80476E-03	486286.0	3753359.4	495.2	1.20	24.05	0.28	YES	
L0112208	0	0.80476E-03	486337.7	3753358.7	495.3	1.20	24.05	0.28	YES	
L0112209	0	0.80476E-03	486389.4	3753358.0	495.4	1.20	24.05	0.28	YES	
L0112210	0	0.80476E-03	486441.1	3753357.4	495.5	1.20	24.05	0.28	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112211	0	0.80476E-03	486492.9	3753356.7	495.6	1.20	24.05	0.28	YES	
L0112212	0	0.80476E-03	486544.6	3753356.0	495.7	1.20	24.05	0.28	YES	
L0112213	0	0.80476E-03	486596.3	3753355.3	495.8	1.20	24.05	0.28	YES	
L0112214	0	0.80476E-03	486648.0	3753354.6	495.8	1.20	24.05	0.28	YES	
L0112215	0	0.80476E-03	486699.7	3753353.9	495.9	1.20	24.05	0.28	YES	
L0112216	0	0.80476E-03	486751.2	3753351.7	495.9	1.20	24.05	0.28	YES	
L0112217	0	0.80476E-03	486801.8	3753341.0	495.1	1.20	24.05	0.28	YES	
L0112218	0	0.80476E-03	486852.4	3753330.4	494.2	1.20	24.05	0.28	YES	
L0112219	0	0.80476E-03	486903.0	3753319.8	493.4	1.20	24.05	0.28	YES	
L0112220	0	0.80476E-03	486953.6	3753309.2	492.6	1.20	24.05	0.28	YES	
L0112221	0	0.80476E-03	487004.2	3753298.6	491.8	1.20	24.05	0.28	YES	
L0112222	0	0.80476E-03	487054.8	3753288.0	491.0	1.20	24.05	0.28	YES	
L0112223	0	0.80476E-03	487105.5	3753277.3	490.2	1.20	24.05	0.28	YES	
L0112224	0	0.31579E-02	487123.3	3754433.6	511.7	1.30	29.19	0.30	YES	
L0112225	0	0.31579E-02	487122.3	3754370.9	510.5	1.30	29.19	0.30	YES	
L0112226	0	0.31579E-02	487121.3	3754308.1	509.3	1.30	29.19	0.30	YES	
L0112227	0	0.31579E-02	487120.3	3754245.4	508.1	1.30	29.19	0.30	YES	
L0112228	0	0.31579E-02	487119.3	3754182.7	506.9	1.30	29.19	0.30	YES	

L0112229	0	0.31579E-02	487118.3	3754119.9	505.8	1.30	29.19	0.30	YES
L0112230	0	0.31579E-02	487117.3	3754057.2	504.6	1.30	29.19	0.30	YES
L0112231	0	0.31579E-02	487116.3	3753994.4	503.4	1.30	29.19	0.30	YES
L0112232	0	0.31579E-02	487115.3	3753931.7	502.2	1.30	29.19	0.30	YES
L0112233	0	0.31579E-02	487114.3	3753868.9	501.0	1.30	29.19	0.30	YES
L0112234	0	0.31579E-02	487113.4	3753806.2	499.8	1.30	29.19	0.30	YES
L0112235	0	0.31579E-02	487112.4	3753743.4	498.6	1.30	29.19	0.30	YES
L0112236	0	0.31579E-02	487111.4	3753680.7	497.4	1.30	29.19	0.30	YES
L0112237	0	0.31579E-02	487110.4	3753618.0	496.2	1.30	29.19	0.30	YES
L0112238	0	0.31579E-02	487109.4	3753555.2	495.1	1.30	29.19	0.30	YES
L0112239	0	0.31579E-02	487108.4	3753492.5	493.9	1.30	29.19	0.30	YES
L0112240	0	0.31579E-02	487107.4	3753429.7	492.7	1.30	29.19	0.30	YES
L0112241	0	0.31579E-02	487106.4	3753367.0	491.5	1.30	29.19	0.30	YES
L0112242	0	0.31579E-02	487105.4	3753304.2	490.3	1.30	29.19	0.30	YES
L0111775	0	0.53333E-02	487102.6	3753284.4	489.2	1.00	29.21	0.23	YES
L0111776	0	0.53333E-02	487102.9	3753221.6	489.6	1.00	29.21	0.23	YES
L0111777	0	0.53333E-02	487103.2	3753158.8	486.8	1.00	29.21	0.23	YES
L0111778	0	0.53333E-02	487103.5	3753096.1	485.8	1.00	29.21	0.23	YES
L0111779	0	0.53333E-02	487103.8	3753033.3	485.0	1.00	29.21	0.23	YES
L0111780	0	0.53333E-02	487104.2	3752970.5	487.0	1.00	29.21	0.23	YES
L0111781	0	0.53333E-02	487104.5	3752907.7	484.9	1.00	29.21	0.23	YES
L0111782	0	0.53333E-02	487104.8	3752844.9	483.2	1.00	29.21	0.23	YES

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111783	0	0.53333E-02	487105.1	3752782.1	483.7	1.00	29.21	0.23	YES	
L0110756	0	0.78667E-03	486069.9	3753383.9	492.7	1.20	18.01	0.28	YES	
L0110757	0	0.78667E-03	486053.5	3753348.8	491.3	1.20	18.01	0.28	YES	
L0110758	0	0.78667E-03	486037.1	3753313.7	490.5	1.20	18.01	0.28	YES	
L0110759	0	0.78667E-03	486020.7	3753278.6	490.3	1.20	18.01	0.28	YES	
L0110760	0	0.78667E-03	486004.3	3753243.5	490.0	1.20	18.01	0.28	YES	
L0110761	0	0.78667E-03	485987.9	3753208.5	489.6	1.20	18.01	0.28	YES	
L0110762	0	0.78667E-03	485979.1	3753171.6	489.0	1.20	18.01	0.28	YES	
L0110763	0	0.78667E-03	485978.3	3753132.9	488.1	1.20	18.01	0.28	YES	
L0110764	0	0.78667E-03	485977.4	3753094.2	488.2	1.20	18.01	0.28	YES	
L0110765	0	0.78667E-03	485976.6	3753055.4	489.4	1.20	18.01	0.28	YES	
L0110766	0	0.78667E-03	485975.7	3753016.7	490.1	1.20	18.01	0.28	YES	
L0110767	0	0.78667E-03	485974.9	3752978.0	490.0	1.20	18.01	0.28	YES	
L0110768	0	0.78667E-03	485974.0	3752939.3	489.0	1.20	18.01	0.28	YES	
L0110769	0	0.78667E-03	485973.2	3752900.6	489.0	1.20	18.01	0.28	YES	
L0110770	0	0.78667E-03	485972.3	3752861.8	489.0	1.20	18.01	0.28	YES	
L0110771	0	0.78667E-03	485971.5	3752823.1	489.0	1.20	18.01	0.28	YES	
L0110772	0	0.78667E-03	485970.6	3752784.4	488.8	1.20	18.01	0.28	YES	
L0110773	0	0.78667E-03	485969.8	3752745.7	487.0	1.20	18.01	0.28	YES	
L0110774	0	0.78667E-03	485968.9	3752707.0	485.2	1.20	18.01	0.28	YES	
L0110775	0	0.78667E-03	485968.1	3752668.2	486.2	1.20	18.01	0.28	YES	
L0110776	0	0.78667E-03	485967.2	3752629.5	488.8	1.20	18.01	0.28	YES	
L0110777	0	0.78667E-03	485966.4	3752590.8	490.1	1.20	18.01	0.28	YES	
L0110778	0	0.78667E-03	485965.5	3752552.1	495.2	1.20	18.01	0.28	YES	
L0110779	0	0.78667E-03	485964.7	3752513.4	496.4	1.20	18.01	0.28	YES	
L0110780	0	0.78667E-03	485963.8	3752474.7	496.1	1.20	18.01	0.28	YES	
L0110781	0	0.78667E-03	485963.0	3752435.9	496.4	1.20	18.01	0.28	YES	
L0110782	0	0.78667E-03	485962.1	3752397.2	498.8	1.20	18.01	0.28	YES	
L0110783	0	0.78667E-03	485961.3	3752358.5	500.1	1.20	18.01	0.28	YES	
L0110784	0	0.78667E-03	485960.4	3752319.8	500.7	1.20	18.01	0.28	YES	
L0110785	0	0.78667E-03	485959.6	3752281.1	501.9	1.20	18.01	0.28	YES	
L0112243	0	0.24861E-03	485510.8	3754267.3	514.8	1.00	15.74	0.23	YES	
L0112244	0	0.24861E-03	485510.8	3754233.4	514.3	1.00	15.74	0.23	YES	
L0112245	0	0.24861E-03	485510.8	3754199.6	513.7	1.00	15.74	0.23	YES	
L0112246	0	0.24861E-03	485510.7	3754165.8	513.1	1.00	15.74	0.23	YES	
L0112247	0	0.24861E-03	485510.7	3754131.9	512.5	1.00	15.74	0.23	YES	
L0112248	0	0.24861E-03	485510.7	3754098.1	511.9	1.00	15.74	0.23	YES	
L0112249	0	0.24861E-03	485510.6	3754064.2	511.3	1.00	15.74	0.23	YES	
L0112250	0	0.24861E-03	485510.6	3754030.4	510.7	1.00	15.74	0.23	YES	
L0112251	0	0.24861E-03	485510.5	3753996.6	510.1	1.00	15.74	0.23	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112252	0	0.24861E-03	485510.5	3753962.7	509.5	1.00	15.74	0.23	YES	
L0112253	0	0.24861E-03	485510.5	3753928.9	508.9	1.00	15.74	0.23	YES	
L0112254	0	0.24861E-03	485510.4	3753895.1	508.3	1.00	15.74	0.23	YES	
L0112255	0	0.24861E-03	485510.4	3753861.2	507.8	1.00	15.74	0.23	YES	
L0112256	0	0.24861E-03	485510.4	3753827.4	507.2	1.00	15.74	0.23	YES	
L0112257	0	0.24861E-03	485510.3	3753793.6	506.6	1.00	15.74	0.23	YES	
L0112258	0	0.24861E-03	485510.3	3753759.7	506.0	1.00	15.74	0.23	YES	
L0112259	0	0.24861E-03	485510.3	3753725.9	505.4	1.00	15.74	0.23	YES	
L0112260	0	0.24861E-03	485510.2	3753692.0	504.8	1.00	15.74	0.23	YES	
L0112261	0	0.24861E-03	485510.2	3753658.2	504.2	1.00	15.74	0.23	YES	
L0112262	0	0.24861E-03	485510.1	3753624.4	503.6	1.00	15.74	0.23	YES	
L0112263	0	0.24861E-03	485510.1	3753590.5	503.0	1.00	15.74	0.23	YES	
L0112264	0	0.24861E-03	485510.1	3753556.7	502.4	1.00	15.74	0.23	YES	
L0112265	0	0.24861E-03	485510.0	3753522.9	501.8	1.00	15.74	0.23	YES	
L0112266	0	0.24861E-03	485510.0	3753489.0	501.2	1.00	15.74	0.23	YES	
L0112267	0	0.24861E-03	485510.0	3753455.2	500.7	1.00	15.74	0.23	YES	

L0112268	0	0.24861E-03	485509.9	3753421.4	500.1	1.00	15.74	0.23	YES
L0112269	0	0.24861E-03	485509.9	3753387.5	499.5	1.00	15.74	0.23	YES
L0112270	0	0.24861E-03	485509.8	3753353.7	498.9	1.00	15.74	0.23	YES
L0112271	0	0.24861E-03	485509.8	3753319.8	498.3	1.00	15.74	0.23	YES
L0112272	0	0.24861E-03	485509.8	3753286.0	497.7	1.00	15.74	0.23	YES
L0112273	0	0.24861E-03	485509.7	3753252.2	497.1	1.00	15.74	0.23	YES
L0112274	0	0.24861E-03	485509.7	3753218.3	496.5	1.00	15.74	0.23	YES
L0112275	0	0.24861E-03	485509.7	3753184.5	495.9	1.00	15.74	0.23	YES
L0112276	0	0.24861E-03	485509.6	3753150.7	495.3	1.00	15.74	0.23	YES
L0112277	0	0.24861E-03	485509.6	3753116.8	494.7	1.00	15.74	0.23	YES
L0112278	0	0.24861E-03	485509.6	3753083.0	494.2	1.00	15.74	0.23	YES
L0111820	0	0.54000E-03	485533.3	3755083.2	531.2	1.30	15.63	0.30	YES
L0111821	0	0.54000E-03	485532.5	3755049.6	528.8	1.30	15.63	0.30	YES
L0111822	0	0.54000E-03	485531.8	3755016.0	528.2	1.30	15.63	0.30	YES
L0111823	0	0.54000E-03	485531.1	3754982.4	528.0	1.30	15.63	0.30	YES
L0111824	0	0.54000E-03	485530.4	3754948.8	526.6	1.30	15.63	0.30	YES
L0111825	0	0.54000E-03	485529.7	3754915.2	525.4	1.30	15.63	0.30	YES
L0111826	0	0.54000E-03	485528.9	3754881.6	522.9	1.30	15.63	0.30	YES
L0111827	0	0.54000E-03	485528.2	3754848.0	520.4	1.30	15.63	0.30	YES
L0111828	0	0.54000E-03	485527.5	3754814.4	523.2	1.30	15.63	0.30	YES
L0111829	0	0.54000E-03	485526.8	3754780.8	526.0	1.30	15.63	0.30	YES
L0111830	0	0.54000E-03	485526.0	3754747.2	526.7	1.30	15.63	0.30	YES
L0111831	0	0.54000E-03	485525.3	3754713.6	524.2	1.30	15.63	0.30	YES
L0111832	0	0.54000E-03	485524.6	3754680.1	521.8	1.30	15.63	0.30	YES

**MODELOPTs: NonDEFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111833	0	0.54000E-03	485523.9	3754646.5	521.8	1.30	15.63	0.30	YES	
L0111834	0	0.54000E-03	485523.2	3754612.9	522.1	1.30	15.63	0.30	YES	
L0111835	0	0.54000E-03	485522.4	3754579.3	522.2	1.30	15.63	0.30	YES	
L0111836	0	0.54000E-03	485521.7	3754545.7	519.1	1.30	15.63	0.30	YES	
L0111837	0	0.54000E-03	485521.0	3754512.1	515.2	1.30	15.63	0.30	YES	
L0111838	0	0.54000E-03	485520.3	3754478.5	514.7	1.30	15.63	0.30	YES	
L0111839	0	0.54000E-03	485519.5	3754444.9	516.7	1.30	15.63	0.30	YES	
L0111840	0	0.54000E-03	485518.8	3754411.3	517.0	1.30	15.63	0.30	YES	
L0111841	0	0.54000E-03	485518.1	3754377.7	516.0	1.30	15.63	0.30	YES	
L0111842	0	0.54000E-03	485517.4	3754344.1	515.1	1.30	15.63	0.30	YES	
L0111843	0	0.54000E-03	485516.7	3754310.5	515.0	1.30	15.63	0.30	YES	
L0111844	0	0.54000E-03	485515.9	3754276.9	514.6	1.30	15.63	0.30	YES	
L0111845	0	0.10722E-02	485516.8	3755054.2	529.9	1.30	23.83	0.30	YES	
L0111846	0	0.10722E-02	485568.1	3755054.0	528.6	1.30	23.83	0.30	YES	
L0111847	0	0.10722E-02	485619.3	3755053.8	530.8	1.30	23.83	0.30	YES	
L0111848	0	0.10722E-02	485670.5	3755053.6	532.5	1.30	23.83	0.30	YES	
L0111849	0	0.10722E-02	485721.7	3755053.4	534.2	1.30	23.83	0.30	YES	
L0111850	0	0.10722E-02	485773.0	3755053.2	531.1	1.30	23.83	0.30	YES	
L0111851	0	0.10722E-02	485824.2	3755053.0	529.5	1.30	23.83	0.30	YES	
L0111852	0	0.10722E-02	485875.4	3755052.8	529.8	1.30	23.83	0.30	YES	
L0111853	0	0.10722E-02	485926.7	3755052.6	530.9	1.30	23.83	0.30	YES	
L0111854	0	0.10722E-02	485977.9	3755052.4	529.7	1.30	23.83	0.30	YES	
L0111855	0	0.10722E-02	486029.1	3755052.2	529.4	1.30	23.83	0.30	YES	
L0111856	0	0.10722E-02	486080.4	3755052.0	529.5	1.30	23.83	0.30	YES	
L0111857	0	0.10722E-02	486131.6	3755051.8	529.5	1.30	23.83	0.30	YES	
L0111858	0	0.10722E-02	486182.8	3755051.6	530.3	1.30	23.83	0.30	YES	
L0111859	0	0.10722E-02	486234.0	3755051.3	527.4	1.30	23.83	0.30	YES	
L0111860	0	0.10722E-02	486285.3	3755051.1	527.0	1.30	23.83	0.30	YES	
L0111861	0	0.10722E-02	486336.5	3755050.9	526.5	1.30	23.83	0.30	YES	
L0111862	0	0.10722E-02	486387.7	3755050.7	527.3	1.30	23.83	0.30	YES	
L0112279	0	0.90667E-03	486398.6	3755051.8	530.0	1.30	23.51	0.30	YES	
L0112280	0	0.90667E-03	486449.1	3755051.3	530.3	1.30	23.51	0.30	YES	
L0112281	0	0.90667E-03	486499.7	3755050.8	530.5	1.30	23.51	0.30	YES	
L0112282	0	0.90667E-03	486550.2	3755050.4	530.7	1.30	23.51	0.30	YES	
L0112283	0	0.90667E-03	486600.7	3755049.9	530.9	1.30	23.51	0.30	YES	
L0112284	0	0.90667E-03	486651.3	3755049.4	531.1	1.30	23.51	0.30	YES	
L0112285	0	0.90667E-03	486701.8	3755049.0	531.3	1.30	23.51	0.30	YES	
L0112286	0	0.90667E-03	486752.4	3755048.5	531.5	1.30	23.51	0.30	YES	
L0112287	0	0.90667E-03	486802.9	3755048.1	531.7	1.30	23.51	0.30	YES	
L0112288	0	0.90667E-03	486853.5	3755047.6	531.9	1.30	23.51	0.30	YES	

**MODELOPTs: NonDEFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112289	0	0.90667E-03	486904.0	3755047.1	532.1	1.30	23.51	0.30	YES	
L0112290	0	0.90667E-03	486954.6	3755046.7	532.3	1.30	23.51	0.30	YES	
L0112291	0	0.90667E-03	487005.1	3755046.2	532.5	1.30	23.51	0.30	YES	
L0112292	0	0.90667E-03	487055.7	3755045.8	532.7	1.30	23.51	0.30	YES	
L0112293	0	0.90667E-03	487106.2	3755045.3	532.9	1.30	23.51	0.30	YES	
L0111428	0	0.40375E-03	487151.1	3755042.2	530.6	1.30	23.38	0.30	YES	
L0111429	0	0.40375E-03	487201.3	3755039.4	528.0	1.30	23.38	0.30	YES	
L0111430	0	0.40375E-03	487251.5	3755036.7	528.5	1.30	23.38	0.30	YES	
L0111431	0	0.40375E-03	487301.7	3755033.9	528.6	1.30	23.38	0.30	YES	
L0111432	0	0.40375E-03	487351.3	3755025.8	526.0	1.30	23.38	0.30	YES	
L0111433	0	0.40375E-03	487400.9	3755017.8	524.6	1.30	23.38	0.30	YES	
L0111434	0	0.40375E-03	487450.5	3755009.8	524.4	1.30	23.38	0.30	YES	
L0111435	0	0.40375E-03	487500.1	3755001.7	526.0	1.30	23.38	0.30	YES	
L0111436	0	0.40375E-03	487549.9	3754996.4	528.3	1.30	23.38	0.30	YES	

L0111437	0	0.40375E-03	487600.2	3754997.7	529.2	1.30	23.38	0.30	YES
L0111438	0	0.40375E-03	487650.4	3754999.0	526.2	1.30	23.38	0.30	YES
L0111439	0	0.40375E-03	487700.6	3755000.3	523.0	1.30	23.38	0.30	YES
L0111440	0	0.40375E-03	487749.5	3754990.1	522.3	1.30	23.38	0.30	YES
L0111441	0	0.40375E-03	487798.0	3754976.9	523.3	1.30	23.38	0.30	YES
L0111442	0	0.40375E-03	487846.5	3754963.7	524.1	1.30	23.38	0.30	YES
L0111443	0	0.40375E-03	487895.0	3754950.4	525.8	1.30	23.38	0.30	YES
L0111878	0	0.20231E-03	487919.9	3754938.9	524.6	1.30	24.10	0.30	YES
L0111879	0	0.20231E-03	487964.8	3754913.0	521.9	1.30	24.10	0.30	YES
L0111880	0	0.20231E-03	488009.7	3754887.1	519.8	1.30	24.10	0.30	YES
L0111881	0	0.20231E-03	488053.4	3754859.6	519.4	1.20	24.10	0.30	YES
L0111882	0	0.20231E-03	488094.9	3754828.5	519.2	0.89	24.10	0.30	YES
L0111883	0	0.20231E-03	488136.3	3754797.4	520.5	0.58	24.10	0.30	YES
L0111884	0	0.20231E-03	488178.6	3754767.9	521.2	0.34	24.10	0.30	YES
L0111885	0	0.20231E-03	488228.5	3754753.9	522.9	0.73	24.10	0.30	YES
L0111886	0	0.20231E-03	488278.4	3754739.9	523.0	1.12	24.10	0.30	YES
L0111887	0	0.20231E-03	488329.2	3754731.6	521.5	1.30	24.10	0.30	YES
L0111888	0	0.20231E-03	488380.9	3754728.1	523.9	1.30	24.10	0.30	YES
L0111889	0	0.20231E-03	488432.6	3754724.6	528.0	1.30	24.10	0.30	YES
L0111890	0	0.20231E-03	488484.3	3754721.0	524.8	1.30	24.10	0.30	YES
L0110873	0	0.63611E-03	487131.3	3754448.5	506.6	1.30	17.64	0.30	YES
L0110874	0	0.63611E-03	487169.2	3754446.5	506.0	1.30	17.64	0.30	YES
L0110875	0	0.63611E-03	487207.0	3754444.4	508.1	1.30	17.64	0.30	YES
L0110876	0	0.63611E-03	487244.9	3754442.4	509.1	1.30	17.64	0.30	YES
L0110877	0	0.63611E-03	487282.8	3754440.4	509.8	1.30	17.64	0.30	YES
L0110878	0	0.63611E-03	487320.7	3754438.4	509.1	1.30	17.64	0.30	YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0110879	0	0.63611E-03	487358.6	3754436.4	509.4	1.30	17.64	0.30	YES	
L0110880	0	0.63611E-03	487396.4	3754434.4	510.4	1.30	17.64	0.30	YES	
L0110881	0	0.63611E-03	487434.3	3754432.4	509.9	1.30	17.64	0.30	YES	
L0110882	0	0.63611E-03	487472.2	3754430.4	509.4	1.30	17.64	0.30	YES	
L0110883	0	0.63611E-03	487510.1	3754428.3	509.9	1.30	17.64	0.30	YES	
L0110884	0	0.63611E-03	487547.9	3754426.3	510.2	1.30	17.64	0.30	YES	
L0110885	0	0.63611E-03	487585.8	3754424.5	509.6	1.30	17.64	0.30	YES	
L0110886	0	0.63611E-03	487623.7	3754425.8	510.1	1.30	17.64	0.30	YES	
L0110887	0	0.63611E-03	487661.6	3754427.1	510.7	1.30	17.64	0.30	YES	
L0110888	0	0.63611E-03	487699.6	3754428.4	510.4	1.30	17.64	0.30	YES	
L0110889	0	0.63611E-03	487736.7	3754435.0	510.8	1.30	17.64	0.30	YES	
L0110890	0	0.63611E-03	487773.2	3754445.1	510.4	1.30	17.64	0.30	YES	
L0110891	0	0.63611E-03	487810.3	3754451.0	509.9	1.30	17.64	0.30	YES	
L0110892	0	0.63611E-03	487848.2	3754450.3	509.8	1.30	17.64	0.30	YES	
L0110893	0	0.63611E-03	487886.1	3754449.6	508.5	1.30	17.64	0.30	YES	
L0110894	0	0.63611E-03	487924.1	3754449.0	507.7	1.30	17.64	0.30	YES	
L0110895	0	0.63611E-03	487962.0	3754448.3	508.4	1.30	17.64	0.30	YES	
L0110896	0	0.63611E-03	487999.9	3754447.6	509.0	1.30	17.64	0.30	YES	
L0110897	0	0.63611E-03	488037.8	3754447.0	508.1	1.30	17.64	0.30	YES	
L0110898	0	0.63611E-03	488075.8	3754446.3	507.2	1.30	17.64	0.30	YES	
L0110899	0	0.63611E-03	488113.7	3754445.6	508.2	1.30	17.64	0.30	YES	
L0110900	0	0.63611E-03	488151.6	3754445.0	508.3	1.30	17.64	0.30	YES	
L0110901	0	0.63611E-03	488189.5	3754444.3	509.3	1.30	17.64	0.30	YES	
L0110902	0	0.63611E-03	488227.5	3754443.6	510.4	1.30	17.64	0.30	YES	
L0110903	0	0.63611E-03	488265.4	3754443.0	510.7	1.30	17.64	0.30	YES	
L0110904	0	0.63611E-03	488303.3	3754442.3	510.9	1.30	17.64	0.30	YES	
L0110905	0	0.63611E-03	488333.9	3754420.0	509.3	1.30	17.64	0.30	YES	
L0110906	0	0.63611E-03	488364.4	3754397.4	506.5	1.30	17.64	0.30	YES	
L0110907	0	0.63611E-03	488394.8	3754374.8	504.5	1.30	17.64	0.30	YES	
L0110908	0	0.63611E-03	488425.3	3754352.2	505.0	1.30	17.64	0.30	YES	
L0110909	0	0.18643E-03	488434.4	3754340.7	505.3	9.87	18.04	0.28	YES	
L0110910	0	0.18643E-03	488457.1	3754309.3	506.0	1.42	18.04	0.28	YES	
L0110911	0	0.18643E-03	488457.7	3754270.7	506.0	1.20	18.04	0.28	YES	
L0110912	0	0.18643E-03	488457.7	3754231.9	505.1	1.20	18.04	0.28	YES	
L0110913	0	0.18643E-03	488457.7	3754193.1	501.0	1.20	18.04	0.28	YES	
L0110914	0	0.18643E-03	488457.7	3754154.3	501.5	1.20	18.04	0.28	YES	
L0110915	0	0.18643E-03	488457.7	3754115.5	503.6	1.20	18.04	0.28	YES	
L0110916	0	0.18643E-03	488457.7	3754076.8	502.9	1.20	18.04	0.28	YES	
L0110917	0	0.18643E-03	488457.7	3754038.0	502.0	1.20	18.04	0.28	YES	
L0110918	0	0.18643E-03	488457.7	3753999.2	502.0	1.20	18.04	0.28	YES	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0110919	0	0.18643E-03	488457.7	3753960.4	502.0	1.20	18.04	0.28	YES	
L0110920	0	0.18643E-03	488457.7	3753921.6	500.4	1.20	18.04	0.28	YES	
L0110921	0	0.18643E-03	488457.7	3753882.8	498.4	1.20	18.04	0.28	YES	
L0110922	0	0.18643E-03	488457.7	3753844.0	497.1	1.20	18.04	0.28	YES	
L0110923	0	0.18643E-03	488457.7	3753805.3	496.8	1.20	18.04	0.28	YES	
L0110924	0	0.18643E-03	488457.7	3753766.5	496.0	1.20	18.04	0.28	YES	
L0110925	0	0.18643E-03	488457.7	3753727.7	495.3	1.20	18.04	0.28	YES	
L0110926	0	0.18643E-03	488457.7	3753688.9	493.9	1.20	18.04	0.28	YES	
L0110927	0	0.18643E-03	488457.7	3753650.1	491.0	1.20	18.04	0.28	YES	
L0110928	0	0.18643E-03	488457.7	3753611.3	488.4	1.20	18.04	0.28	YES	
L0110929	0	0.18643E-03	488457.7	3753572.6	488.0	1.20	18.04	0.28	YES	
L0110930	0	0.18643E-03	488457.7	3753533.8	488.0	1.20	18.04	0.28	YES	

L0110931	0	0.18643E-03	488457.7	3753495.0	488.0	1.20	18.04	0.28	YES
L0110932	0	0.18643E-03	488457.7	3753456.2	487.2	1.20	18.04	0.28	YES
L0110933	0	0.18643E-03	488457.7	3753417.4	485.9	1.20	18.04	0.28	YES
L0110934	0	0.18643E-03	488457.7	3753378.6	485.4	1.20	18.04	0.28	YES
L0110935	0	0.18643E-03	488457.7	3753339.9	484.0	1.20	18.04	0.28	YES
L0110936	0	0.18643E-03	488457.7	3753301.1	482.0	1.20	18.04	0.28	YES
L0112294	0	0.15643E-02	487111.6	3753293.9	490.9	1.30	22.81	0.30	YES
L0112295	0	0.15643E-02	487160.6	3753293.6	490.4	1.30	22.81	0.30	YES
L0112296	0	0.15643E-02	487209.6	3753293.2	490.0	1.30	22.81	0.30	YES
L0112297	0	0.15643E-02	487258.7	3753292.8	489.6	1.30	22.81	0.30	YES
L0112298	0	0.15643E-02	487307.7	3753292.4	489.1	1.30	22.81	0.30	YES
L0112299	0	0.15643E-02	487356.7	3753292.1	488.7	1.30	22.81	0.30	YES
L0112300	0	0.15643E-02	487405.8	3753291.7	488.2	1.30	22.81	0.30	YES
L0112301	0	0.15643E-02	487454.8	3753291.3	487.8	1.30	22.81	0.30	YES
L0112302	0	0.15643E-02	487503.8	3753291.0	487.3	1.30	22.81	0.30	YES
L0112303	0	0.15643E-02	487552.9	3753290.6	486.9	1.30	22.81	0.30	YES
L0112304	0	0.15643E-02	487601.9	3753290.2	486.4	1.30	22.81	0.30	YES
L0112305	0	0.15643E-02	487650.9	3753289.8	486.0	1.30	22.81	0.30	YES
L0112306	0	0.15643E-02	487700.0	3753289.5	485.6	1.30	22.81	0.30	YES
L0112307	0	0.15643E-02	487749.0	3753289.1	485.1	1.30	22.81	0.30	YES
L0111458	0	0.16214E-02	487765.1	3753289.0	484.0	1.30	24.24	0.30	YES
L0111459	0	0.16214E-02	487817.3	3753289.0	485.3	1.30	24.24	0.30	YES
L0111460	0	0.16214E-02	487869.4	3753289.0	483.2	1.30	24.24	0.30	YES
L0111461	0	0.16214E-02	487921.5	3753289.0	483.0	1.30	24.24	0.30	YES
L0111462	0	0.16214E-02	487973.6	3753289.0	484.8	1.30	24.24	0.30	YES
L0111463	0	0.16214E-02	488025.8	3753289.0	485.6	1.30	24.24	0.30	YES
L0111464	0	0.16214E-02	488077.9	3753289.0	485.4	1.30	24.24	0.30	YES
L0111465	0	0.16214E-02	488130.0	3753289.0	485.6	1.30	24.24	0.30	YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0111466	0	0.16214E-02	488182.1	3753289.0	485.6	1.30	24.24	0.30	YES	
L0111467	0	0.16214E-02	488234.2	3753289.0	486.3	1.30	24.24	0.30	YES	
L0111468	0	0.16214E-02	488286.4	3753289.0	484.9	1.30	24.24	0.30	YES	
L0111469	0	0.16214E-02	488338.5	3753289.0	484.4	1.30	24.24	0.30	YES	
L0111470	0	0.16214E-02	488390.6	3753289.0	484.6	1.30	24.24	0.30	YES	
L0111471	0	0.16214E-02	488442.7	3753289.0	483.3	1.30	24.24	0.30	YES	
L0111472	0	0.59583E-02	488445.9	3753289.3	481.6	1.00	18.10	0.23	YES	
L0111473	0	0.59583E-02	488446.3	3753250.4	481.0	1.00	18.10	0.23	YES	
L0111474	0	0.59583E-02	488446.8	3753211.5	480.1	1.00	18.10	0.23	YES	
L0111475	0	0.59583E-02	488447.2	3753172.6	479.0	1.00	18.10	0.23	YES	
L0111476	0	0.59583E-02	488447.7	3753133.7	478.5	1.00	18.10	0.23	YES	
L0111477	0	0.59583E-02	488448.1	3753094.8	478.0	1.00	18.10	0.23	YES	
L0111478	0	0.59583E-02	488448.5	3753055.9	477.0	1.00	18.10	0.23	YES	
L0111479	0	0.59583E-02	488449.0	3753017.0	477.0	1.00	18.10	0.23	YES	
L0111480	0	0.59583E-02	488449.4	3752978.1	477.7	1.00	18.10	0.23	YES	
L0111481	0	0.59583E-02	488449.8	3752939.2	479.0	1.00	18.10	0.23	YES	
L0111482	0	0.59583E-02	488450.3	3752900.3	478.0	1.00	18.10	0.23	YES	
L0111483	0	0.59583E-02	488450.7	3752861.4	478.0	1.00	18.10	0.23	YES	
L0110977	0	0.98966E-03	488463.9	3753299.0	481.8	1.30	23.53	0.30	YES	
L0110978	0	0.98966E-03	488514.5	3753298.8	480.9	1.30	23.53	0.30	YES	
L0110979	0	0.98966E-03	488565.1	3753298.7	482.3	1.30	23.53	0.30	YES	
L0110980	0	0.98966E-03	488615.7	3753298.5	484.1	1.30	23.53	0.30	YES	
L0110981	0	0.98966E-03	488666.3	3753298.3	483.2	1.30	23.53	0.30	YES	
L0110982	0	0.98966E-03	488716.9	3753298.1	482.0	1.30	23.53	0.30	YES	
L0110983	0	0.98966E-03	488767.5	3753298.0	482.1	1.30	23.53	0.30	YES	
L0110984	0	0.98966E-03	488818.1	3753297.8	481.1	1.30	23.53	0.30	YES	
L0110985	0	0.98966E-03	488868.7	3753297.6	482.1	1.30	23.53	0.30	YES	
L0110986	0	0.98966E-03	488919.3	3753297.4	483.4	1.30	23.53	0.30	YES	
L0110987	0	0.98966E-03	488969.9	3753297.3	485.9	1.30	23.53	0.30	YES	
L0110988	0	0.98966E-03	489020.5	3753297.1	484.2	1.30	23.53	0.30	YES	
L0110989	0	0.98966E-03	489071.1	3753296.9	484.8	1.30	23.53	0.30	YES	
L0110990	0	0.98966E-03	489121.6	3753296.7	484.9	1.30	23.53	0.30	YES	
L0110991	0	0.98966E-03	489172.2	3753296.5	486.5	1.30	23.53	0.30	YES	
L0110992	0	0.98966E-03	489222.8	3753296.4	491.6	1.30	23.53	0.30	YES	
L0110993	0	0.98966E-03	489273.4	3753296.2	494.4	1.30	23.53	0.30	YES	
L0110994	0	0.98966E-03	489324.0	3753296.0	490.5	1.30	23.53	0.30	YES	
L0110995	0	0.98966E-03	489374.6	3753295.8	489.1	1.30	23.53	0.30	YES	
L0110996	0	0.98966E-03	489425.2	3753295.7	490.3	1.30	23.53	0.30	YES	
L0110997	0	0.98966E-03	489475.8	3753295.5	490.2	1.30	23.53	0.30	YES	
L0110998	0	0.98966E-03	489526.4	3753295.3	490.5	1.30	23.53	0.30	YES	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0110999	0	0.98966E-03	489577.0	3753295.1	493.0	1.30	23.53	0.30	YES	
L0111000	0	0.98966E-03	489627.6	3753295.0	493.4	1.30	23.53	0.30	YES	
L0111001	0	0.98966E-03	489678.2	3753294.8	495.6	1.30	23.53	0.30	YES	
L0111002	0	0.98966E-03	489728.8	3753294.6	496.8	1.30	23.53	0.30	YES	
L0111003	0	0.98966E-03	489779.4	3753294.4	493.4	1.30	23.53	0.30	YES	
L0111004	0	0.98966E-03	489830.0	3753294.3	489.2	1.30	23.53	0.30	YES	
L0111005	0	0.98966E-03	489880.6	3753294.1	491.6	1.30	23.53	0.30	YES	
L0112308	0	0.19500E-02	489900.7	3753294.2	493.2	1.30	22.24	0.30	YES	
L0112309	0	0.19500E-02	489944.6	3753313.0	493.8	1.30	22.24	0.30	YES	
L0112310	0	0.19500E-02	489983.0	3753340.6	495.7	1.30	22.24	0.30	YES	

L0112311	0	0.19500E-02	490018.7	3753372.4	498.2	1.30	22.24	0.30	YES
L0112312	0	0.19500E-02	490054.3	3753404.3	500.8	1.30	22.24	0.30	YES
L0112313	0	0.19500E-02	490090.0	3753436.1	503.3	1.30	22.24	0.30	YES
L0111490	0	0.49462E-02	489898.8	3753280.5	492.3	1.00	15.51	0.23	YES
L0111491	0	0.49462E-02	489899.2	3753247.1	490.4	1.00	15.51	0.23	YES
L0111492	0	0.49462E-02	489899.6	3753213.8	488.2	1.00	15.51	0.23	YES
L0111493	0	0.49462E-02	489900.0	3753180.4	487.0	1.00	15.51	0.23	YES
L0111494	0	0.49462E-02	489900.4	3753147.1	488.3	1.00	15.51	0.23	YES
L0111495	0	0.49462E-02	489900.8	3753113.7	491.0	1.00	15.51	0.23	YES
L0111496	0	0.49462E-02	489901.2	3753080.4	490.6	1.00	15.51	0.23	YES
L0111497	0	0.49462E-02	489901.6	3753047.0	489.0	1.00	15.51	0.23	YES
L0111498	0	0.49462E-02	489902.0	3753013.7	487.3	1.00	15.51	0.23	YES
L0111499	0	0.49462E-02	489902.4	3752980.3	486.2	1.00	15.51	0.23	YES
L0111500	0	0.49462E-02	489902.8	3752947.0	484.6	1.00	15.51	0.23	YES
L0111501	0	0.49462E-02	489903.2	3752913.6	482.5	1.00	15.51	0.23	YES
L0111502	0	0.49462E-02	489903.6	3752880.3	480.4	1.00	15.51	0.23	YES
L0111911	0	0.34545E-02	489917.3	3752867.0	481.7	1.00	15.35	0.23	YES
L0111912	0	0.34545E-02	489950.3	3752867.9	483.0	1.00	15.35	0.23	YES
L0111913	0	0.34545E-02	489983.2	3752868.9	484.0	1.00	15.35	0.23	YES
L0111914	0	0.34545E-02	490016.2	3752869.8	484.9	1.00	15.35	0.23	YES
L0111915	0	0.34545E-02	490049.2	3752870.8	486.1	1.00	15.35	0.23	YES
L0111916	0	0.34545E-02	490082.2	3752871.7	485.7	1.00	15.35	0.23	YES
L0111917	0	0.34545E-02	490115.2	3752872.7	485.9	1.00	15.35	0.23	YES
L0111918	0	0.34545E-02	490148.1	3752873.7	486.6	1.00	15.35	0.23	YES
L0111919	0	0.34545E-02	490181.1	3752874.6	486.0	1.00	15.35	0.23	YES
L0111920	0	0.34545E-02	490214.1	3752875.6	484.1	1.00	15.35	0.23	YES
L0111921	0	0.34545E-02	490247.1	3752876.5	482.6	1.00	15.35	0.23	YES
L0111036	0	0.34318E-03	488454.3	3752857.1	478.0	1.30	15.60	0.30	YES
L0111037	0	0.34318E-03	488487.8	3752858.9	478.7	1.30	15.60	0.30	YES
L0111038	0	0.34318E-03	488521.3	3752860.6	477.6	1.30	15.60	0.30	YES

**MODELOPTs: NonDFAULT CONC ELEV
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L0111039	0	0.34318E-03	488554.8	3752862.3	475.5	1.30	15.60	0.30	YES	
L0111040	0	0.34318E-03	488588.3	3752864.1	475.3	1.30	15.60	0.30	YES	
L0111041	0	0.34318E-03	488621.7	3752865.8	476.6	1.30	15.60	0.30	YES	
L0111042	0	0.34318E-03	488655.2	3752867.6	478.0	1.30	15.60	0.30	YES	
L0111043	0	0.34318E-03	488688.7	3752869.3	478.5	1.30	15.60	0.30	YES	
L0111044	0	0.34318E-03	488722.2	3752871.1	477.6	1.30	15.60	0.30	YES	
L0111045	0	0.34318E-03	488755.7	3752872.8	477.4	1.30	15.60	0.30	YES	
L0111046	0	0.34318E-03	488789.2	3752874.6	478.3	1.30	15.60	0.30	YES	
L0111047	0	0.34318E-03	488822.6	3752876.3	478.2	1.30	15.60	0.30	YES	
L0111048	0	0.34318E-03	488856.1	3752878.1	478.1	1.30	15.60	0.30	YES	
L0111049	0	0.34318E-03	488889.6	3752879.8	478.0	1.30	15.60	0.30	YES	
L0111050	0	0.34318E-03	488923.1	3752881.6	477.7	1.30	15.60	0.30	YES	
L0111051	0	0.34318E-03	488956.6	3752883.3	478.2	1.30	15.60	0.30	YES	
L0111052	0	0.34318E-03	488990.1	3752885.1	479.7	1.30	15.60	0.30	YES	
L0111053	0	0.34318E-03	489023.5	3752886.8	481.4	1.30	15.60	0.30	YES	
L0111054	0	0.34318E-03	489057.1	3752886.3	482.7	1.30	15.60	0.30	YES	
L0111055	0	0.34318E-03	489090.6	3752885.7	481.8	1.30	15.60	0.30	YES	
L0111056	0	0.34318E-03	489124.1	3752885.1	480.7	1.30	15.60	0.30	YES	
L0111057	0	0.34318E-03	489157.6	3752884.5	479.8	1.30	15.60	0.30	YES	
L0111058	0	0.34318E-03	489191.2	3752884.0	478.8	1.30	15.60	0.30	YES	
L0111059	0	0.34318E-03	489224.7	3752883.4	478.7	1.30	15.60	0.30	YES	
L0111060	0	0.34318E-03	489258.2	3752882.8	479.7	1.30	15.60	0.30	YES	
L0111061	0	0.34318E-03	489291.7	3752882.2	480.1	1.30	15.60	0.30	YES	
L0111062	0	0.34318E-03	489325.3	3752881.7	480.1	1.30	15.60	0.30	YES	
L0111063	0	0.34318E-03	489358.8	3752881.1	480.1	1.30	15.60	0.30	YES	
L0111064	0	0.34318E-03	489392.3	3752880.5	480.0	1.30	15.60	0.30	YES	
L0111065	0	0.34318E-03	489425.8	3752879.9	480.2	1.30	15.60	0.30	YES	
L0111066	0	0.34318E-03	489459.4	3752879.4	481.3	1.30	15.60	0.30	YES	
L0111067	0	0.34318E-03	489492.9	3752878.8	481.9	1.30	15.60	0.30	YES	
L0111068	0	0.34318E-03	489526.4	3752878.2	481.9	1.30	15.60	0.30	YES	
L0111069	0	0.34318E-03	489559.9	3752877.6	482.5	1.30	15.60	0.30	YES	
L0111070	0	0.34318E-03	489593.5	3752877.1	483.5	1.30	15.60	0.30	YES	
L0111071	0	0.34318E-03	489627.0	3752876.5	484.7	1.30	15.60	0.30	YES	
L0111072	0	0.34318E-03	489660.5	3752875.9	484.9	1.30	15.60	0.30	YES	
L0111073	0	0.34318E-03	489694.0	3752875.3	483.8	1.30	15.60	0.30	YES	
L0111074	0	0.34318E-03	489727.6	3752874.8	484.1	1.30	15.60	0.30	YES	
L0111075	0	0.34318E-03	489761.1	3752874.2	485.3	1.30	15.60	0.30	YES	
L0111076	0	0.34318E-03	489794.6	3752873.6	484.9	1.30	15.60	0.30	YES	
L0111077	0	0.34318E-03	489828.1	3752873.0	482.8	1.30	15.60	0.30	YES	
L0111078	0	0.34318E-03	489861.7	3752872.5	480.7	1.30	15.60	0.30	YES	

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L0111079	0	0.34318E-03	489895.2	3752871.9	480.3	1.30	15.60	0.30	YES	
L0111503	0	0.84828E-03	488256.0	3755293.6	547.9	1.30	9.20	0.30	YES	
L0111504	0	0.84828E-03	488263.4	3755275.3	547.8	1.30	9.20	0.30	YES	
L0111505	0	0.84828E-03	488270.8	3755256.9	547.0	1.30	9.20	0.30	YES	
L0111506	0	0.84828E-03	488278.2	3755238.6	546.1	1.30	9.20	0.30	YES	
L0111507	0	0.84828E-03	488285.6	3755220.3	545.6	1.30	9.20	0.30	YES	
L0111508	0	0.84828E-03	488293.0	3755201.9	546.3	1.30	9.20	0.30	YES	
L0111509	0	0.84828E-03	488300.4	3755183.6	546.5	1.30	9.20	0.30	YES	

L0111510	0	0.84828E-03	488307.8	3755165.2	546.1	1.30	9.20	0.30	YES
L0111511	0	0.84828E-03	488315.2	3755146.9	545.5	1.30	9.20	0.30	YES
L0111512	0	0.84828E-03	488322.7	3755128.6	544.2	1.30	9.20	0.30	YES
L0111513	0	0.84828E-03	488330.1	3755110.2	541.8	1.30	9.20	0.30	YES
L0111514	0	0.84828E-03	488337.5	3755091.9	539.3	1.30	9.20	0.30	YES
L0111515	0	0.84828E-03	488344.9	3755073.6	537.2	1.30	9.20	0.30	YES
L0111516	0	0.84828E-03	488352.3	3755055.2	535.1	1.30	9.20	0.30	YES
L0111517	0	0.84828E-03	488359.7	3755036.9	533.0	1.30	9.20	0.30	YES
L0111518	0	0.84828E-03	488367.1	3755018.5	531.5	1.30	9.20	0.30	YES
L0111519	0	0.84828E-03	488374.5	3755000.2	530.1	1.30	9.20	0.30	YES
L0111520	0	0.84828E-03	488381.9	3754981.9	528.9	1.30	9.20	0.30	YES
L0111521	0	0.84828E-03	488389.3	3754963.5	527.8	1.30	9.20	0.30	YES
L0111522	0	0.84828E-03	488396.7	3754945.2	527.0	1.30	9.20	0.30	YES
L0111523	0	0.84828E-03	488404.1	3754926.9	527.9	1.30	9.20	0.30	YES
L0111524	0	0.84828E-03	488411.5	3754908.5	527.8	1.30	9.20	0.30	YES
L0111525	0	0.84828E-03	488418.9	3754890.2	527.3	1.30	9.20	0.30	YES
L0111526	0	0.84828E-03	488426.3	3754871.8	526.6	1.30	9.20	0.30	YES
L0111527	0	0.84828E-03	488433.7	3754853.5	525.6	1.30	9.20	0.30	YES
L0111528	0	0.84828E-03	488441.1	3754835.2	524.3	1.30	9.20	0.30	YES
L0111529	0	0.84828E-03	488448.6	3754816.8	526.0	1.30	9.20	0.30	YES
L0111530	0	0.84828E-03	488456.0	3754798.5	526.0	1.30	9.20	0.30	YES
L0111531	0	0.84828E-03	488463.4	3754780.1	526.5	1.30	9.20	0.30	YES
L0112314	0	0.93578E-03	488468.1	3754776.1	526.9	1.20	9.32	0.28	YES
L0112315	0	0.93578E-03	488477.9	3754758.6	526.5	1.20	9.32	0.28	YES
L0112316	0	0.93578E-03	488487.7	3754741.2	526.1	1.20	9.32	0.28	YES
L0112317	0	0.93578E-03	488497.6	3754723.7	525.7	1.20	9.32	0.28	YES
L0112318	0	0.93578E-03	488507.4	3754706.3	525.3	1.20	9.32	0.28	YES
L0112319	0	0.93578E-03	488517.3	3754688.8	524.9	1.20	9.32	0.28	YES
L0112320	0	0.93578E-03	488527.1	3754671.4	524.5	1.20	9.32	0.28	YES
L0112321	0	0.93578E-03	488536.9	3754653.9	524.0	1.20	9.32	0.28	YES
L0112322	0	0.93578E-03	488546.8	3754636.5	523.6	1.20	9.32	0.28	YES
L0112323	0	0.93578E-03	488556.6	3754619.0	523.2	1.20	9.32	0.28	YES

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112324	0	0.93578E-03	488566.5	3754601.6	522.8	1.20	9.32	0.28	YES	
L0112325	0	0.93578E-03	488576.3	3754584.1	522.4	1.20	9.32	0.28	YES	
L0112326	0	0.93578E-03	488586.1	3754566.7	522.0	1.20	9.32	0.28	YES	
L0112327	0	0.93578E-03	488596.0	3754549.2	521.6	1.20	9.32	0.28	YES	
L0112328	0	0.93578E-03	488605.8	3754531.8	521.2	1.20	9.32	0.28	YES	
L0112329	0	0.93578E-03	488615.6	3754514.3	520.8	1.20	9.32	0.28	YES	
L0112330	0	0.93578E-03	488625.5	3754496.9	520.4	1.20	9.32	0.28	YES	
L0112331	0	0.93578E-03	488635.3	3754479.4	520.0	1.20	9.32	0.28	YES	
L0112332	0	0.93578E-03	488645.2	3754462.0	519.6	1.20	9.32	0.28	YES	
L0112333	0	0.93578E-03	488655.0	3754444.5	519.2	1.20	9.32	0.28	YES	
L0112334	0	0.93578E-03	488664.8	3754427.1	518.8	1.20	9.32	0.28	YES	
L0112335	0	0.93578E-03	488674.7	3754409.6	518.4	1.20	9.32	0.28	YES	
L0112336	0	0.93578E-03	488684.5	3754392.2	518.0	1.20	9.32	0.28	YES	
L0112337	0	0.93578E-03	488694.4	3754374.7	517.5	1.20	9.32	0.28	YES	
L0112338	0	0.93578E-03	488704.2	3754357.3	517.1	1.20	9.32	0.28	YES	
L0112339	0	0.93578E-03	488714.0	3754339.8	516.7	1.20	9.32	0.28	YES	
L0112340	0	0.93578E-03	488723.9	3754322.4	516.3	1.20	9.32	0.28	YES	
L0112341	0	0.93578E-03	488734.7	3754305.7	515.9	1.20	9.32	0.28	YES	
L0112342	0	0.93578E-03	488750.1	3754293.0	515.6	1.20	9.32	0.28	YES	
L0112343	0	0.93578E-03	488765.6	3754280.2	515.3	1.20	9.32	0.28	YES	
L0112344	0	0.93578E-03	488781.0	3754267.5	514.9	1.20	9.32	0.28	YES	
L0112345	0	0.93578E-03	488796.5	3754254.7	514.6	1.20	9.32	0.28	YES	
L0112346	0	0.93578E-03	488811.9	3754241.9	514.3	1.20	9.32	0.28	YES	
L0112347	0	0.93578E-03	488827.4	3754229.2	513.9	1.20	9.32	0.28	YES	
L0112348	0	0.93578E-03	488842.8	3754216.4	513.6	1.20	9.32	0.28	YES	
L0112349	0	0.93578E-03	488858.2	3754203.7	513.3	1.20	9.32	0.28	YES	
L0112350	0	0.93578E-03	488873.7	3754190.9	512.9	1.20	9.32	0.28	YES	
L0112351	0	0.93578E-03	488889.1	3754178.1	512.6	1.20	9.32	0.28	YES	
L0112352	0	0.93578E-03	488904.6	3754165.4	512.3	1.20	9.32	0.28	YES	
L0112353	0	0.93578E-03	488920.0	3754152.6	511.9	1.20	9.32	0.28	YES	
L0112354	0	0.93578E-03	488935.5	3754139.9	511.6	1.20	9.32	0.28	YES	
L0112355	0	0.93578E-03	488950.9	3754127.1	511.3	1.20	9.32	0.28	YES	
L0112356	0	0.93578E-03	488966.7	3754114.8	511.0	1.20	9.32	0.28	YES	
L0112357	0	0.93578E-03	488983.8	3754104.4	510.9	1.20	9.32	0.28	YES	
L0112358	0	0.93578E-03	489000.9	3754093.9	510.7	1.20	9.32	0.28	YES	
L0112359	0	0.93578E-03	489018.0	3754083.5	510.6	1.20	9.32	0.28	YES	
L0112360	0	0.93578E-03	489035.1	3754073.0	510.5	1.20	9.32	0.28	YES	
L0112361	0	0.93578E-03	489052.2	3754062.6	510.4	1.20	9.32	0.28	YES	
L0112362	0	0.93578E-03	489069.3	3754052.2	510.2	1.20	9.32	0.28	YES	
L0112363	0	0.93578E-03	489086.4	3754041.7	510.1	1.20	9.32	0.28	YES	

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L0112364	0	0.93578E-03	489103.5	3754031.3	510.0	1.20	9.32	0.28	YES	
L0112365	0	0.93578E-03	489120.6	3754020.8	509.9	1.20	9.32	0.28	YES	
L0112366	0	0.93578E-03	489137.7	3754010.4	509.8	1.20	9.32	0.28	YES	
L0112367	0	0.93578E-03	489154.8	3754000.0	509.7	1.20	9.32	0.28	YES	
L0112368	0	0.93578E-03	489171.9	3753989.5	509.5	1.20	9.32	0.28	YES	
L0112369	0	0.93578E-03	489189.0	3753979.1	509.4	1.20	9.32	0.28	YES	

L0112370	0	0.93578E-03	489206.1	3753968.6	509.3	1.20	9.32	0.28	YES
L0112371	0	0.93578E-03	489223.2	3753958.2	509.2	1.20	9.32	0.28	YES
L0112372	0	0.93578E-03	489240.2	3753947.8	509.1	1.20	9.32	0.28	YES
L0112373	0	0.93578E-03	489257.3	3753937.3	508.9	1.20	9.32	0.28	YES
L0112374	0	0.93578E-03	489274.4	3753926.9	508.8	1.20	9.32	0.28	YES
L0112375	0	0.93578E-03	489291.5	3753916.4	508.7	1.20	9.32	0.28	YES
L0112376	0	0.93578E-03	489308.6	3753906.0	508.6	1.20	9.32	0.28	YES
L0112377	0	0.93578E-03	489325.7	3753895.6	508.4	1.20	9.32	0.28	YES
L0112378	0	0.93578E-03	489342.8	3753885.1	508.3	1.20	9.32	0.28	YES
L0112379	0	0.93578E-03	489359.9	3753874.7	508.2	1.20	9.32	0.28	YES
L0112380	0	0.93578E-03	489377.0	3753864.2	508.1	1.20	9.32	0.28	YES
L0112381	0	0.93578E-03	489394.1	3753853.8	508.0	1.20	9.32	0.28	YES
L0112382	0	0.93578E-03	489411.2	3753843.4	507.9	1.20	9.32	0.28	YES
L0112383	0	0.93578E-03	489428.3	3753832.9	507.7	1.20	9.32	0.28	YES
L0112384	0	0.93578E-03	489445.4	3753822.5	507.6	1.20	9.32	0.28	YES
L0112385	0	0.93578E-03	489462.5	3753812.0	507.5	1.20	9.32	0.28	YES
L0112386	0	0.93578E-03	489479.6	3753801.6	507.4	1.20	9.32	0.28	YES
L0112387	0	0.93578E-03	489496.7	3753791.2	507.2	1.20	9.32	0.28	YES
L0112388	0	0.93578E-03	489513.8	3753780.7	507.1	1.20	9.32	0.28	YES
L0112389	0	0.93578E-03	489530.9	3753770.3	507.0	1.20	9.32	0.28	YES
L0112390	0	0.93578E-03	489548.0	3753759.8	506.9	1.20	9.32	0.28	YES
L0112391	0	0.93578E-03	489565.1	3753749.4	506.8	1.20	9.32	0.28	YES
L0112392	0	0.93578E-03	489582.2	3753739.0	506.6	1.20	9.32	0.28	YES
L0112393	0	0.93578E-03	489599.3	3753728.5	506.5	1.20	9.32	0.28	YES
L0112394	0	0.93578E-03	489616.4	3753718.1	506.4	1.20	9.32	0.28	YES
L0112395	0	0.93578E-03	489633.5	3753707.6	506.3	1.20	9.32	0.28	YES
L0112396	0	0.93578E-03	489650.6	3753697.2	506.2	1.20	9.32	0.28	YES
L0112397	0	0.93578E-03	489667.7	3753686.8	506.0	1.20	9.32	0.28	YES
L0112398	0	0.93578E-03	489684.8	3753676.3	505.9	1.20	9.32	0.28	YES
L0112399	0	0.93578E-03	489701.9	3753665.9	505.8	1.20	9.32	0.28	YES
L0112400	0	0.93578E-03	489719.0	3753655.4	505.7	1.20	9.32	0.28	YES
L0112401	0	0.93578E-03	489736.1	3753645.0	505.6	1.20	9.32	0.28	YES
L0112402	0	0.93578E-03	489753.2	3753634.6	505.4	1.20	9.32	0.28	YES
L0112403	0	0.93578E-03	489770.3	3753624.1	505.3	1.20	9.32	0.28	YES

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L0112404	0	0.93578E-03	489787.4	3753613.7	505.2	1.20	9.32	0.28	YES	
L0112405	0	0.93578E-03	489804.5	3753603.2	505.1	1.20	9.32	0.28	YES	
L0112406	0	0.93578E-03	489821.6	3753592.8	505.0	1.20	9.32	0.28	YES	
L0112407	0	0.93578E-03	489838.7	3753582.4	504.8	1.20	9.32	0.28	YES	
L0112408	0	0.93578E-03	489855.8	3753571.9	504.7	1.20	9.32	0.28	YES	
L0112409	0	0.93578E-03	489872.9	3753561.5	504.6	1.20	9.32	0.28	YES	
L0112410	0	0.93578E-03	489890.0	3753551.0	504.5	1.20	9.32	0.28	YES	
L0112411	0	0.93578E-03	489907.1	3753540.6	504.4	1.20	9.32	0.28	YES	
L0112412	0	0.93578E-03	489924.2	3753530.2	504.2	1.20	9.32	0.28	YES	
L0112413	0	0.93578E-03	489941.3	3753519.7	504.1	1.20	9.32	0.28	YES	
L0112414	0	0.93578E-03	489958.4	3753509.3	504.0	1.20	9.32	0.28	YES	
L0112415	0	0.93578E-03	489975.5	3753498.8	503.9	1.20	9.32	0.28	YES	
L0112416	0	0.93578E-03	489992.6	3753488.4	503.8	1.20	9.32	0.28	YES	
L0112417	0	0.93578E-03	490009.7	3753478.0	503.6	1.20	9.32	0.28	YES	
L0112418	0	0.93578E-03	490026.7	3753467.5	503.5	1.20	9.32	0.28	YES	
L0112419	0	0.93578E-03	490043.8	3753457.1	503.4	1.20	9.32	0.28	YES	
L0112420	0	0.93578E-03	490060.9	3753446.6	503.3	1.20	9.32	0.28	YES	
L0112421	0	0.93578E-03	490078.0	3753436.2	503.2	1.20	9.32	0.28	YES	
L0112422	0	0.93578E-03	490095.1	3753425.8	503.0	1.20	9.32	0.28	YES	
L0112423	0	0.53077E-03	490104.1	3753442.3	503.9	1.20	9.38	0.28	YES	
L0112424	0	0.53077E-03	490121.5	3753432.0	503.5	1.20	9.38	0.28	YES	
L0112425	0	0.53077E-03	490138.9	3753421.8	503.2	1.20	9.38	0.28	YES	
L0112426	0	0.53077E-03	490156.2	3753411.5	502.8	1.20	9.38	0.28	YES	
L0112427	0	0.53077E-03	490173.6	3753401.2	502.4	1.20	9.38	0.28	YES	
L0112428	0	0.53077E-03	490191.0	3753391.0	502.0	1.20	9.38	0.28	YES	
L0112429	0	0.53077E-03	490208.3	3753380.7	501.6	1.20	9.38	0.28	YES	
L0112430	0	0.53077E-03	490225.7	3753370.4	501.3	1.20	9.38	0.28	YES	
L0112431	0	0.53077E-03	490243.1	3753360.2	500.9	1.20	9.38	0.28	YES	
L0112432	0	0.53077E-03	490260.4	3753349.9	500.5	1.20	9.38	0.28	YES	
L0112433	0	0.53077E-03	490277.8	3753339.7	500.1	1.20	9.38	0.28	YES	
L0112434	0	0.53077E-03	490295.2	3753329.4	499.8	1.20	9.38	0.28	YES	
L0112435	0	0.53077E-03	490312.5	3753319.1	499.4	1.20	9.38	0.28	YES	
L0112436	0	0.53077E-03	490329.9	3753308.9	499.0	1.20	9.38	0.28	YES	
L0112437	0	0.53077E-03	490347.3	3753298.6	498.6	1.20	9.38	0.28	YES	
L0112438	0	0.53077E-03	490364.6	3753288.3	498.2	1.20	9.38	0.28	YES	
L0112439	0	0.53077E-03	490382.0	3753278.1	497.9	1.20	9.38	0.28	YES	
L0112440	0	0.53077E-03	490399.4	3753267.8	497.5	1.20	9.38	0.28	YES	
L0112441	0	0.53077E-03	490416.7	3753257.6	497.1	1.20	9.38	0.28	YES	
L0112442	0	0.53077E-03	490434.1	3753247.3	496.8	1.20	9.38	0.28	YES	
L0112443	0	0.53077E-03	490451.5	3753237.0	496.4	1.20	9.38	0.28	YES	

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L0112444	0	0.53077E-03	490468.8	3753226.8	496.0	1.20	9.38	0.28	YES	
L0112445	0	0.53077E-03	490486.2	3753216.5	495.6	1.20	9.38	0.28	YES	
L0112446	0	0.53077E-03	490503.6	3753206.2	495.2	1.20	9.38	0.28	YES	
L0112447	0	0.53077E-03	490520.9	3753196.0	494.9	1.20	9.38	0.28	YES	

L0112448	0	0.53077E-03	490538.3	3753185.7	494.5	1.20	9.38	0.28	YES
L0112449	0	0.53077E-03	490555.7	3753175.5	494.1	1.20	9.38	0.28	YES
L0112450	0	0.53077E-03	490573.0	3753165.2	493.7	1.20	9.38	0.28	YES
L0112451	0	0.53077E-03	490590.4	3753154.9	493.4	1.20	9.38	0.28	YES
L0112452	0	0.53077E-03	490607.8	3753144.7	493.0	1.20	9.38	0.28	YES
L0112453	0	0.53077E-03	490625.1	3753134.4	492.6	1.20	9.38	0.28	YES
L0112454	0	0.53077E-03	490642.5	3753124.1	492.2	1.20	9.38	0.28	YES
L0112455	0	0.53077E-03	490657.6	3753111.4	491.7	1.20	9.38	0.28	YES
L0112456	0	0.53077E-03	490669.5	3753095.1	491.1	1.20	9.38	0.28	YES
L0112457	0	0.53077E-03	490681.4	3753078.8	490.5	1.20	9.38	0.28	YES
L0112458	0	0.53077E-03	490693.3	3753062.5	489.8	1.20	9.38	0.28	YES
L0112459	0	0.53077E-03	490705.2	3753046.2	489.2	1.20	9.38	0.28	YES
L0112460	0	0.53077E-03	490717.1	3753029.9	488.6	1.20	9.38	0.28	YES
L0112461	0	0.53077E-03	490729.0	3753013.6	487.9	1.20	9.38	0.28	YES
L0112462	0	0.53077E-03	490740.9	3752997.3	487.3	1.20	9.38	0.28	YES
L0112463	0	0.53077E-03	490752.8	3752981.1	486.7	1.20	9.38	0.28	YES
L0112464	0	0.53077E-03	490764.7	3752964.8	486.0	1.20	9.38	0.28	YES
L0112465	0	0.53077E-03	490776.6	3752948.5	485.4	1.20	9.38	0.28	YES
L0112466	0	0.53077E-03	490788.4	3752932.2	484.8	1.20	9.38	0.28	YES
L0112467	0	0.53077E-03	490800.3	3752915.9	484.1	1.20	9.38	0.28	YES
L0112468	0	0.53077E-03	490812.2	3752899.6	483.5	1.20	9.38	0.28	YES
L0112469	0	0.53077E-03	490824.1	3752883.3	482.9	1.20	9.38	0.28	YES
L0112470	0	0.53077E-03	490836.0	3752867.0	482.2	1.20	9.38	0.28	YES
L0112471	0	0.53077E-03	490847.9	3752850.7	481.6	1.20	9.38	0.28	YES
L0112472	0	0.53077E-03	490859.8	3752834.4	480.9	1.20	9.38	0.28	YES
L0112473	0	0.53077E-03	490871.7	3752818.1	480.3	1.20	9.38	0.28	YES
L0112474	0	0.53077E-03	490883.6	3752801.8	479.7	1.20	9.38	0.28	YES
L0112475	0	0.53077E-03	490895.5	3752785.5	479.0	1.20	9.38	0.28	YES
L0112476	0	0.53077E-03	490907.4	3752769.2	478.4	1.20	9.38	0.28	YES
L0112477	0	0.53077E-03	490919.2	3752752.9	477.8	1.20	9.38	0.28	YES
L0112478	0	0.53077E-03	490931.1	3752736.6	477.1	1.20	9.38	0.28	YES
L0112479	0	0.53077E-03	490943.0	3752720.3	476.5	1.20	9.38	0.28	YES
L0112480	0	0.53077E-03	490954.9	3752704.0	475.9	1.20	9.38	0.28	YES
L0112481	0	0.53077E-03	490966.8	3752687.7	475.2	1.20	9.38	0.28	YES
L0112482	0	0.53077E-03	490978.7	3752671.4	474.6	1.20	9.38	0.28	YES
L0112483	0	0.53077E-03	490990.6	3752655.1	474.0	1.20	9.38	0.28	YES

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112484	0	0.53077E-03	491002.5	3752638.8	473.3	1.20	9.38	0.28	YES	
L0112485	0	0.53077E-03	491014.4	3752622.6	472.7	1.20	9.38	0.28	YES	
L0112486	0	0.53077E-03	491026.3	3752606.3	472.1	1.20	9.38	0.28	YES	
L0112487	0	0.53077E-03	491038.2	3752590.0	471.4	1.20	9.38	0.28	YES	
L0112488	0	0.53077E-03	491050.1	3752573.7	470.8	1.20	9.38	0.28	YES	
L0112489	0	0.53077E-03	491061.9	3752557.4	470.2	1.20	9.38	0.28	YES	
L0112490	0	0.53077E-03	491073.8	3752541.1	469.5	1.20	9.38	0.28	YES	
L0112491	0	0.53077E-03	491085.7	3752524.8	468.9	1.20	9.38	0.28	YES	
L0112492	0	0.53077E-03	491097.6	3752508.5	468.2	1.20	9.38	0.28	YES	
L0112493	0	0.53077E-03	491109.5	3752492.2	467.6	1.20	9.38	0.28	YES	
L0112494	0	0.53077E-03	491121.4	3752475.9	467.0	1.20	9.38	0.28	YES	
L0112495	0	0.53077E-03	491133.3	3752459.6	466.3	1.20	9.38	0.28	YES	
L0112496	0	0.53077E-03	491145.2	3752443.3	465.7	1.20	9.38	0.28	YES	
L0112497	0	0.53077E-03	491157.1	3752427.0	465.1	1.20	9.38	0.28	YES	
L0112498	0	0.53077E-03	491169.0	3752410.7	464.4	1.20	9.38	0.28	YES	
L0112499	0	0.53077E-03	491180.9	3752394.4	463.8	1.20	9.38	0.28	YES	
L0112500	0	0.53077E-03	491192.7	3752378.1	463.2	1.20	9.38	0.28	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
PHASE1	0	0.39800E-08	485577.5	3755020.4	527.6	2.30	11	0.00	YES	
PHASE2	0	0.37400E-08	485955.1	3753354.8	492.2	2.30	24	0.00	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs							
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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                    ***        12/19/12
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 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                 FASTALL

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***
 GROUP ID                                          SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                    ***        12/19/12
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 **MODELOPTs:  NonDFAULT CONC                                          ELEV
                 FASTALL

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***
 GROUP ID                                          SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                          ***        12/19/12
                                    *** PM10 - LST Assessment (No Refrigeration)                         ***        11:19:04
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 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***
 GROUP ID                                                  SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                          ***        12/19/12
                                    *** PM10 - LST Assessment (No Refrigeration)                         ***        11:19:04
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 **MODELOPTS:  NonDFAULT CONC                                                  ELEV
                         FASTALL

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***
 GROUP ID                                                  SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                          ***        12/19/12
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**MODELOPTS:  NonDFAULT CONC                                          ELEV
              FASTALL
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*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

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*** Y-COORDINATES OF GRID ***
(METERS)

3741938.3, 3742938.3, 3743938.3, 3744938.3, 3745938.3, 3746938.3, 3747938.3, 3748938.3, 3749938.3, 3750938.3,
3751938.3, 3752938.3, 3753938.3, 3754938.3, 3755938.3, 3756938.3, 3757938.3, 3758938.3, 3759938.3, 3760938.3,
3761938.3, 3762938.3, 3763938.3, 3764938.3, 3765938.3, 3766938.3, 3767938.3,

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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                          ***        12/19/12
                                    *** PM10 - LST Assessment (No Refrigeration)                        ***        11:19:04
                                                                                                                   PAGE  27
**MODELOPTS:  NonDFAULT CONC                                          ELEV
              FASTALL
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*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	317.90	315.50	311.70	305.80	301.50	279.60	278.50	272.60	279.20
3766938.31	336.30	305.50	294.90	294.00	283.00	268.30	267.10	395.80	277.90
3765938.31	325.60	405.70	301.30	289.30	287.10	261.20	293.50	397.30	291.80
3764938.31	311.30	365.90	350.10	293.30	273.50	258.00	261.00	288.90	288.10
3763938.31	295.70	394.50	275.10	267.50	248.90	253.00	257.10	276.60	299.60
3762938.31	266.30	266.90	261.00	243.60	247.90	254.20	263.80	281.00	306.80
3761938.31	242.70	240.00	239.10	241.70	250.50	255.90	268.10	287.50	312.50
3760938.31	227.40	232.20	233.60	267.10	260.30	266.80	279.00	295.10	323.80
3759938.31	231.00	227.90	306.60	254.10	267.80	278.00	287.90	303.00	326.30
3758938.31	225.00	236.10	253.00	263.10	271.10	278.30	294.20	306.30	325.20
3757938.31	242.90	247.20	257.60	287.20	273.70	269.10	286.50	309.40	333.40
3756938.31	240.20	249.30	257.40	270.00	287.90	314.60	321.20	305.30	333.60
3755938.31	246.00	257.10	266.10	276.80	293.20	340.60	359.10	392.00	355.20
3754938.31	248.50	260.00	276.80	296.00	315.10	378.50	397.50	424.40	446.50
3753938.31	260.60	269.80	285.70	300.20	343.20	384.50	408.70	459.30	492.70
3752938.31	270.20	283.70	306.80	324.20	359.90	410.50	453.20	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	370.10	406.50	435.60	459.70	473.80
3750938.31	302.60	319.90	344.80	357.00	359.90	410.40	467.40	475.40	487.80
3749938.31	329.00	337.50	391.80	442.20	444.30	439.90	466.10	486.40	501.00
3748938.31	396.00	335.40	377.80	424.70	452.80	466.30	492.50	530.60	513.50
3747938.31	427.10	444.20	382.70	398.40	434.20	525.50	527.90	535.40	508.80
3746938.31	441.20	476.80	468.20	415.80	447.50	476.50	480.20	486.90	492.60
3745938.31	443.70	473.10	464.50	438.00	420.80	444.80	467.60	496.10	513.30
3744938.31	430.60	450.90	441.80	434.80	446.20	468.50	540.20	507.00	518.10
3743938.31	417.00	420.10	430.30	443.00	447.20	451.30	469.00	476.40	478.80
3742938.31	435.90	446.30	466.50	498.00	501.00	511.50	481.80	517.80	556.40
3741938.31	474.60	533.00	551.60	552.10	619.20	572.30	597.50	653.00	564.20

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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                          ***        12/19/12
                                    *** PM10 - LST Assessment (No Refrigeration)                        ***        11:19:04
                                                                                                                   PAGE  28
**MODELOPTS:  NonDFAULT CONC                                          ELEV
              FASTALL
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*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	283.60	289.00	304.20	312.00	323.50	341.00	348.00	353.60	357.50
3766938.31	301.20	333.70	340.60	336.20	384.40	409.90	380.20	386.80	384.50
3765938.31	313.20	342.50	448.10	359.20	407.10	458.80	482.50	461.70	459.60
3764938.31	311.10	346.40	657.00	455.30	395.40	467.20	504.80	545.20	510.30
3763938.31	325.70	353.10	435.90	504.40	420.40	430.90	500.60	554.40	626.90
3762938.31	318.70	356.60	382.20	408.20	498.60	534.40	470.90	509.90	539.10
3761938.31	411.70	551.30	580.90	449.90	615.40	776.00	690.30	617.60	548.30
3760938.31	399.70	469.40	625.60	642.80	582.20	632.10	814.90	830.10	632.90
3759938.31	352.70	380.50	666.10	820.90	599.20	547.70	579.10	784.30	625.60
3758938.31	356.30	404.00	732.30	830.30	615.10	544.90	541.10	565.00	602.60
3757938.31	390.90	429.40	509.10	790.60	782.00	562.30	524.60	545.10	576.90
3756938.31	396.60	462.40	469.80	513.40	695.40	563.20	521.90	516.20	540.60
3755938.31	451.40	484.60	457.40	488.80	514.90	515.10	503.90	508.20	511.80
3754938.31	462.00	468.90	467.80	474.40	483.10	495.10	497.10	497.00	496.10
3753938.31	485.80	444.20	462.50	468.20	470.10	483.70	489.90	488.60	488.00
3752938.31	496.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	499.70	534.90	498.40	478.90	472.10	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	472.60	465.30	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	467.20	456.80	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	476.10	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	454.60	452.80	451.90
3746938.31	525.30	513.50	511.80	533.20	519.10	469.50	454.30	454.50	447.50
3745938.31	546.30	513.20	510.80	517.60	521.80	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	533.40	477.40	461.80	449.40	445.80
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	522.10	528.30	527.90	518.60	512.50	490.80	475.50	452.00	447.80
3741938.31	593.90	581.10	555.50	534.60	537.70	549.40	498.00	460.30	442.90

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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                          ***        12/19/12
                                    *** PM10 - LST Assessment (No Refrigeration)                        ***        11:19:04
                                                                                                                   Page 32
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	373.90	406.60	408.60	429.30	457.00	476.70	495.00	534.80	562.90
3765938.31	441.20	390.60	450.20	458.00	486.40	516.70	539.40	562.30	602.20
3764938.31	472.90	447.20	408.10	450.00	508.00	549.40	579.80	596.40	630.70
3763938.31	573.90	480.90	465.10	443.30	451.50	526.90	616.60	643.00	665.40
3762938.31	633.40	621.10	497.10	513.60	500.30	473.20	549.60	558.50	597.70
3761938.31	633.80	696.10	578.40	595.10	536.00	493.00	521.50	573.40	589.70
3760938.31	612.70	771.50	774.50	667.50	632.60	595.90	532.50	510.00	543.10
3759938.31	750.20	721.00	823.40	796.40	718.30	624.10	577.90	559.90	566.90
3758938.31	769.50	817.80	682.00	715.80	715.30	649.00	632.00	705.60	627.80
3757938.31	654.20	735.40	726.40	625.20	646.60	603.80	643.90	673.20	703.70
3756938.31	578.40	596.10	632.00	636.80	574.80	581.40	584.90	593.20	633.90
3755938.31	534.90	550.50	557.10	551.80	558.10	556.20	551.80	549.40	578.00
3754938.31	501.90	518.80	513.20	530.30	535.20	537.10	527.60	525.60	526.30
3753938.31	484.50	494.20	500.90	507.30	527.20	515.60	503.90	503.00	496.40
3752938.31	472.20	481.00	482.10	483.90	484.30	487.50	488.10	487.40	479.60
3751938.31	472.00	468.70	466.60	469.20	467.20	475.60	513.80	650.90	533.40
3750938.31	462.20	464.30	454.80	461.90	476.80	531.30	771.00	658.60	548.10
3749938.31	461.90	456.70	491.00	524.00	524.30	563.50	580.90	550.10	513.70
3748938.31	453.60	458.80	528.40	666.50	545.30	516.50	507.70	500.10	534.60
3747938.31	448.80	453.60	630.60	614.60	504.60	497.40	478.00	495.60	566.60
3746938.31	443.40	457.10	486.30	478.00	478.00	478.00	478.00	535.10	465.60
3745938.31	444.60	444.00	451.50	478.00	478.00	478.00	544.70	620.50	435.80
3744938.31	442.20	442.80	446.20	452.70	478.00	491.40	688.80	460.70	434.70
3743938.31	442.20	443.90	443.80	449.80	518.60	704.30	461.70	433.40	439.40
3742938.31	443.00	436.50	441.80	460.50	485.80	462.50	436.60	434.40	437.20
3741938.31	440.00	440.00	443.20	464.70	494.00	451.40	435.10	436.80	444.80

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM10 - LST Assessment (No Refrigeration) *** 11:19:04
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	585.60	659.90	750.50	849.50	964.60	887.60	799.80	842.60
3766938.31	620.90	644.20	726.40	740.70	749.70	765.90	746.90	783.40	825.20
3765938.31	647.50	671.10	648.30	644.30	667.00	700.80	752.10	785.40	821.00
3764938.31	645.70	628.90	634.80	634.90	658.40	717.30	744.10	769.90	803.90
3763938.31	641.80	636.10	611.10	647.70	662.20	696.20	735.10	762.10	788.90
3762938.31	567.80	579.90	612.80	639.70	683.70	703.20	737.10	760.10	788.60
3761938.31	645.00	662.30	670.20	680.00	684.30	717.00	734.10	758.40	782.00
3760938.31	605.10	665.70	651.20	671.30	699.20	686.90	709.50	748.60	777.00
3759938.31	554.60	565.70	601.70	627.90	662.80	672.60	705.00	707.60	735.00
3758938.31	691.80	646.90	606.20	641.40	617.10	646.90	656.00	701.50	705.00
3757938.31	708.00	700.40	691.40	714.50	700.80	636.00	691.20	708.50	717.50
3756938.31	671.60	698.80	672.20	693.20	762.30	676.60	660.50	722.70	744.70
3755938.31	584.70	625.90	643.00	724.20	685.50	740.50	714.80	678.00	696.50
3754938.31	538.80	559.60	583.70	611.70	661.10	631.20	658.60	711.00	714.10
3753938.31	497.80	504.20	536.20	577.90	576.60	604.60	594.70	629.30	712.60
3752938.31	476.00	484.00	483.20	521.60	511.20	551.60	565.60	597.80	713.90
3751938.31	461.80	464.20	456.50	460.80	483.90	546.20	559.10	588.10	668.30
3750938.31	452.20	443.30	437.30	433.00	456.70	508.60	521.70	564.30	641.50
3749938.31	440.90	437.90	432.30	428.00	441.00	462.30	480.10	618.00	616.20
3748938.31	447.80	435.20	433.30	430.10	431.40	434.70	436.80	562.80	649.90
3747938.31	441.10	433.70	435.40	437.00	430.60	428.00	432.60	441.60	530.80
3746938.31	435.20	470.70	436.80	436.10	434.50	439.70	433.90	437.50	452.70
3745938.31	432.10	434.70	437.10	439.10	440.90	438.60	438.10	435.60	446.20
3744938.31	435.10	440.90	436.10	438.20	441.30	441.00	441.10	438.90	439.20
3743938.31	445.10	447.60	443.00	442.10	473.20	470.40	440.10	441.00	440.30
3742938.31	453.00	463.60	463.40	470.40	558.30	719.10	644.10	446.20	448.60
3741938.31	459.30	477.60	489.00	576.80	623.40	693.40	713.10	512.00	449.70

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM10 - LST Assessment (No Refrigeration) *** 11:19:04
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	884.20	929.90	993.80	1066.90	1171.60	1243.50	1319.20	1434.80	1630.30
3766938.31	883.00	946.60	1050.80	1085.60	1198.10	1517.00	1503.00	1502.80	1502.40
3765938.31	883.90	1004.20	1177.00	1131.40	1192.90	1410.70	1471.10	1478.60	1400.30
3764938.31	850.10	947.40	1013.60	1008.70	1179.60	1281.10	1301.70	1306.10	1382.20
3763938.31	829.40	857.30	905.40	964.90	1044.10	1180.20	1202.20	1179.70	1257.70
3762938.31	822.50	865.90	944.60	1007.70	1037.60	1078.00	1127.90	1158.40	1182.30
3761938.31	809.00	878.30	953.60	1169.40	1036.50	1099.60	1048.30	1047.60	1121.70
3760938.31	787.90	883.00	940.40	982.90	1006.80	962.30	991.10	1006.40	1068.70
3759938.31	799.00	833.90	872.10	865.40	882.00	901.80	917.10	980.90	1014.00
3758938.31	739.80	775.50	823.60	827.30	844.80	866.20	876.00	896.40	973.80
3757938.31	745.50	766.60	789.80	806.10	812.70	836.20	847.10	869.00	891.20
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00

3755938.31	712.20	729.00	750.70	778.90	796.10	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	733.70	739.00	748.20	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	698.30	742.60	758.40	806.00	784.40	793.40	782.90	776.00	774.50
3751938.31	688.50	698.30	788.50	827.60	779.20	816.00	826.50	776.50	765.50
3750938.31	637.60	658.70	761.70	746.60	753.10	763.30	778.20	767.10	824.50
3749938.31	565.10	605.60	688.00	741.70	730.60	768.40	748.50	743.00	742.90
3748938.31	600.40	581.60	634.10	689.10	721.10	712.00	735.90	695.10	721.80
3747938.31	612.80	550.40	629.60	635.50	674.00	749.80	680.90	680.10	661.60
3746938.31	475.00	519.90	658.40	668.60	636.20	659.50	635.50	626.90	644.80
3745938.31	457.70	478.30	548.30	576.50	593.60	572.70	612.10	688.50	733.30
3744938.31	445.20	446.70	455.30	487.90	797.60	730.60	713.70	991.50	924.10
3743938.31	441.00	442.60	443.20	451.00	524.60	831.50	1033.10	970.20	1073.70
3742938.31	441.80	443.80	445.20	450.00	460.10	583.10	792.30	1036.30	1119.40
3741938.31	445.60	445.70	445.30	450.20	453.60	459.80	469.30	669.80	974.60

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	677.00	570.00	311.70	305.80	301.50	279.60	331.00	406.00	735.00
3766938.31	677.00	677.00	478.00	303.00	283.00	289.00	434.00	406.00	735.00
3765938.31	677.00	478.00	518.00	478.00	287.10	429.00	434.00	434.00	735.00
3764938.31	677.00	518.00	518.00	518.00	273.50	258.00	434.00	735.00	735.00
3763938.31	677.00	518.00	518.00	518.00	248.90	253.00	257.10	735.00	758.00
3762938.31	677.00	518.00	518.00	518.00	247.90	259.00	580.00	735.00	905.00
3761938.31	518.00	518.00	518.00	373.00	250.50	255.90	580.00	905.00	932.00
3760938.31	227.40	392.00	392.00	392.00	260.30	266.80	580.00	932.00	932.00
3759938.31	231.00	392.00	392.00	392.00	267.80	278.00	905.00	932.00	932.00
3758938.31	225.00	251.00	253.00	263.10	271.10	278.30	905.00	932.00	932.00
3757938.31	242.90	247.20	257.60	343.00	319.00	294.00	905.00	932.00	932.00
3756938.31	240.20	249.30	257.40	318.00	287.90	314.60	330.00	932.00	932.00
3755938.31	246.00	257.10	266.10	276.80	432.00	432.00	359.10	404.00	932.00
3754938.31	248.50	260.00	276.80	296.00	432.00	432.00	397.50	427.00	459.00
3753938.31	260.60	269.80	337.00	300.20	372.00	401.00	408.70	459.30	492.70
3752938.31	270.20	288.00	306.80	324.20	359.90	439.00	470.00	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	374.00	498.00	498.00	466.00	473.80
3750938.31	302.60	319.90	344.80	384.00	359.90	472.00	467.40	475.40	487.80
3749938.31	411.00	337.50	458.00	458.00	446.00	448.00	466.10	486.40	501.00
3748938.31	405.00	480.00	395.00	424.70	455.00	466.30	492.50	543.00	513.50
3747938.31	428.00	456.00	498.00	398.40	559.00	559.00	537.00	535.40	508.80
3746938.31	441.20	476.80	488.00	445.00	447.50	476.50	480.20	486.90	492.60
3745938.31	445.00	478.00	468.00	438.00	420.80	450.00	467.60	496.10	513.30
3744938.31	464.00	450.90	441.80	434.80	451.00	501.00	540.20	507.00	518.10
3743938.31	417.00	422.00	430.30	632.00	633.00	633.00	661.00	685.00	478.80
3742938.31	597.00	710.00	710.00	632.00	633.00	633.00	687.00	687.00	687.00
3741938.31	710.00	710.00	710.00	736.00	633.00	602.00	661.00	680.00	734.00

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	735.00	735.00	735.00	735.00	735.00	341.00	348.00	353.60	357.50
3766938.31	735.00	735.00	735.00	735.00	735.00	481.00	563.00	634.00	642.00
3765938.31	735.00	735.00	735.00	841.00	735.00	461.00	563.00	635.00	644.00
3764938.31	735.00	758.00	735.00	735.00	941.00	941.00	941.00	941.00	941.00
3763938.31	867.00	867.00	856.00	856.00	941.00	941.00	941.00	941.00	634.00
3762938.31	932.00	932.00	941.00	941.00	941.00	941.00	941.00	941.00	941.00
3761938.31	905.00	850.00	867.00	941.00	941.00	874.00	941.00	941.00	941.00
3760938.31	932.00	932.00	905.00	905.00	941.00	941.00	941.00	941.00	941.00
3759938.31	932.00	932.00	932.00	867.00	941.00	941.00	941.00	941.00	941.00
3758938.31	932.00	932.00	932.00	905.00	932.00	941.00	941.00	941.00	941.00
3757938.31	932.00	932.00	932.00	932.00	932.00	941.00	941.00	941.00	941.00
3756938.31	932.00	932.00	932.00	932.00	932.00	932.00	941.00	941.00	890.00
3755938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	890.00
3754938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	497.00	496.10
3753938.31	485.80	932.00	932.00	932.00	932.00	932.00	489.90	488.60	488.00
3752938.31	509.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	509.00	541.00	503.00	478.90	479.00	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	479.00	490.00	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	468.00	490.00	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	478.00	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	462.00	452.80	451.90
3746938.31	566.00	513.50	511.80	536.00	519.10	469.50	454.30	454.50	457.00
3745938.31	559.00	513.20	510.80	517.60	540.00	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	548.00	477.40	461.80	449.40	447.00
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	734.00	528.30	527.90	518.60	515.00	490.80	475.50	455.00	452.00
3741938.31	734.00	734.00	555.50	534.60	537.70	549.40	597.00	460.30	442.90

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	2547.00	2556.00
3766938.31	537.00	406.60	408.60	429.30	457.00	516.00	508.00	534.80	2556.00
3765938.31	644.00	537.00	495.00	525.00	493.00	516.70	539.40	588.00	2547.00
3764938.31	941.00	687.00	858.00	525.00	523.00	575.00	579.80	596.40	666.00
3763938.31	687.00	941.00	858.00	858.00	858.00	623.00	625.00	643.00	677.00
3762938.31	941.00	782.00	858.00	858.00	858.00	641.00	581.00	693.00	693.00
3761938.31	941.00	858.00	858.00	858.00	858.00	858.00	555.00	616.00	654.00
3760938.31	941.00	824.00	858.00	858.00	858.00	802.00	771.00	751.00	654.00
3759938.31	887.00	890.00	833.00	829.00	802.00	771.00	771.00	774.00	774.00
3758938.31	890.00	890.00	890.00	829.00	741.00	731.00	751.00	751.00	774.00
3757938.31	890.00	890.00	890.00	890.00	684.00	603.80	738.00	774.00	774.00
3756938.31	890.00	890.00	890.00	682.00	574.80	581.40	584.90	774.00	774.00
3755938.31	890.00	890.00	890.00	721.00	558.10	556.20	551.80	549.40	607.00
3754938.31	890.00	890.00	518.00	530.30	617.00	537.10	527.60	525.60	528.00
3753938.31	484.50	494.20	500.90	617.00	617.00	615.00	811.00	811.00	777.00
3752938.31	472.20	481.00	482.10	483.90	811.00	811.00	811.00	811.00	811.00
3751938.31	472.00	468.70	466.60	798.00	811.00	811.00	811.00	811.00	811.00
3750938.31	462.20	741.00	777.00	798.00	811.00	811.00	798.00	811.00	811.00
3749938.31	766.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00	811.00
3748938.31	777.00	777.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00
3747938.31	777.00	777.00	777.00	777.00	777.00	810.00	811.00	810.00	804.00
3746938.31	777.00	777.00	777.00	777.00	810.00	810.00	810.00	810.00	810.00
3745938.31	444.60	777.00	777.00	810.00	810.00	810.00	810.00	810.00	810.00
3744938.31	442.20	442.80	757.00	810.00	810.00	810.00	810.00	810.00	810.00
3743938.31	442.20	443.90	757.00	810.00	810.00	757.00	810.00	810.00	810.00
3742938.31	443.00	436.50	757.00	757.00	810.00	810.00	810.00	810.00	810.00
3741938.31	440.00	443.00	757.00	757.00	757.00	810.00	810.00	810.00	444.80

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM10 - LST Assessment (No Refrigeration) *** 11:19:04
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3766938.31	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3765938.31	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3764938.31	2547.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3763938.31	2547.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3762938.31	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3761938.31	686.00	2547.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3760938.31	697.00	685.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3759938.31	769.00	2547.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3758938.31	755.00	762.00	2547.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3757938.31	769.00	764.00	764.00	748.00	2547.00	2556.00	2556.00	2556.00	2556.00
3756938.31	760.00	761.00	764.00	763.00	794.00	2556.00	2556.00	2556.00	2556.00
3755938.31	760.00	760.00	683.00	727.00	794.00	768.00	2547.00	2556.00	2556.00
3754938.31	546.00	639.00	627.00	727.00	711.00	768.00	747.00	739.00	2556.00
3753938.31	777.00	569.00	596.00	581.00	692.00	653.00	745.00	771.00	771.00
3752938.31	811.00	777.00	575.00	529.00	628.00	615.00	625.00	771.00	746.00
3751938.31	811.00	777.00	461.00	460.80	578.00	546.20	592.00	746.00	709.00
3750938.31	811.00	811.00	437.30	433.00	456.70	518.00	713.00	713.00	680.00
3749938.31	811.00	811.00	432.30	428.00	441.00	713.00	713.00	713.00	713.00
3748938.31	811.00	729.00	729.00	432.00	439.00	713.00	713.00	713.00	663.00
3747938.31	804.00	804.00	729.00	437.00	430.60	428.00	713.00	713.00	663.00
3746938.31	810.00	804.00	599.00	436.10	434.50	439.70	433.90	653.00	663.00
3745938.31	810.00	804.00	437.10	439.10	796.00	796.00	438.10	435.60	446.20
3744938.31	810.00	804.00	436.10	796.00	796.00	796.00	796.00	796.00	439.20
3743938.31	810.00	447.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3742938.31	453.00	463.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3741938.31	459.30	477.60	796.00	796.00	796.00	796.00	781.00	796.00	796.00

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM10 - LST Assessment (No Refrigeration) *** 11:19:04
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3766938.31	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3765938.31	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3764938.31	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3763938.31	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3762938.31	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3761938.31	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3760938.31	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3759938.31	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3758938.31	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3757938.31	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3756938.31	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3755938.31	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3754938.31	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3753938.31	754.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00	2556.00
3752938.31	741.00	744.00	859.00	818.00	2556.00	2556.00	2556.00	2556.00	2556.00
3751938.31	702.00	859.00	869.00	869.00	781.00	816.00	826.50	936.00	2556.00
3750938.31	679.00	869.00	799.00	869.00	792.00	773.00	791.00	936.00	936.00
3749938.31	782.00	860.00	774.00	749.00	819.00	819.00	753.00	936.00	936.00

3748938.31	644.00	670.00	716.00	711.00	783.00	783.00	745.00	748.00	726.00
3747938.31	618.00	800.00	800.00	800.00	830.00	830.00	1129.00	1147.00	1220.00
3746938.31	800.00	800.00	800.00	800.00	1147.00	1147.00	1220.00	1220.00	1220.00
3745938.31	800.00	1133.00	1133.00	1147.00	1220.00	1220.00	1220.00	1220.00	1220.00
3744938.31	1129.00	1147.00	1168.00	1220.00	1133.00	1220.00	1220.00	1016.00	1220.00
3743938.31	1133.00	1168.00	1220.00	1220.00	1220.00	1168.00	1133.00	1168.00	1078.00
3742938.31	1133.00	1168.00	1220.00	1220.00	1220.00	1220.00	1220.00	1168.00	1168.00
3741938.31	1133.00	1168.00	1220.00	1220.00	1220.00	1220.00	1220.00	1220.00	1220.00

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

484551.7, 484651.7, 484751.7, 484851.7, 484951.7, 485051.7, 485151.7, 485251.7, 485351.7, 485451.7,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.4, 3751034.4, 3751134.4, 3751234.4, 3751334.4, 3751434.4, 3751534.4, 3751634.4, 3751734.4, 3751834.4,
3751934.4, 3752034.4, 3752134.4, 3752234.4, 3752334.4, 3752434.4, 3752534.4, 3752634.4, 3752734.4, 3752834.4,
3752934.4, 3753034.4, 3753134.4, 3753234.4, 3753334.4, 3753434.4, 3753534.4, 3753634.4, 3753734.4, 3753834.4,
3753934.4, 3754034.4, 3754134.4, 3754234.4, 3754334.4, 3754434.4, 3754534.4, 3754634.4,

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	524.70	525.20	523.10	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	523.30	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	521.50	520.70	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	518.70	518.40	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	516.90	518.10	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	518.10	514.80	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	517.70	512.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	515.80	511.30	512.10	511.60	512.10	508.80	506.80	509.90	509.10
3753834.43	510.50	509.90	507.90	511.00	507.90	508.00	508.50	506.70	502.40
3753734.43	507.90	507.90	506.50	506.80	505.40	503.10	508.40	504.90	503.30
3753634.43	505.40	508.10	501.40	503.70	503.70	503.30	503.20	503.00	502.00
3753534.43	502.40	500.60	501.10	505.00	504.30	501.80	501.10	498.80	499.90
3753434.43	498.20	500.10	501.50	501.30	502.50	501.60	499.50	497.50	498.00
3753334.43	498.80	499.20	497.80	498.20	498.30	499.50	497.40	496.00	496.90
3753234.43	496.80	496.00	496.70	497.80	496.40	495.20	496.20	494.90	496.00
3753134.43	498.10	497.00	494.60	493.00	495.50	495.30	497.10	492.90	491.50
3753034.43	494.30	493.10	494.60	493.00	494.00	492.80	493.70	491.30	491.10
3752934.43	487.60	488.10	490.80	488.60	490.80	489.70	490.10	490.20	488.40
3752834.43	488.90	488.00	489.10	488.80	488.50	487.50	487.80	490.40	486.40
3752734.43	486.30	487.90	485.40	485.50	485.30	487.90	484.30	486.00	484.80
3752634.43	486.90	484.10	487.00	485.90	483.90	490.10	488.80	486.00	483.20
3752534.43	483.40	482.40	478.60	483.50	481.50	482.10	483.90	481.50	482.60
3752434.43	480.00	484.30	482.60	483.00	481.10	477.10	483.10	479.20	483.50
3752334.43	478.40	481.10	480.70	479.00	480.30	479.30	481.40	480.90	483.80
3752234.43	475.80	477.00	481.50	478.90	478.30	472.50	481.10	479.50	483.70
3752134.43	475.40	478.80	479.20	479.80	480.70	479.50	480.70	485.90	491.70
3752034.43	480.20	481.20	476.20	478.10	482.00	478.70	482.40	487.10	493.80
3751934.43	475.60	477.20	479.30	478.60	479.40	482.60	487.80	490.10	497.20
3751834.43	475.90	478.80	480.40	483.60	480.90	486.20	491.70	498.90	506.50
3751734.43	482.60	483.70	490.40	491.10	488.70	490.80	495.50	501.30	512.70
3751634.43	487.30	492.60	492.30	493.50	495.90	493.70	501.30	512.90	527.00
3751534.43	490.70	494.00	501.90	502.10	505.60	504.10	514.20	535.70	561.00
3751434.43	495.40	502.10	507.10	510.40	512.40	522.30	540.90	563.70	601.20
3751334.43	500.20	504.10	509.30	515.40	516.70	531.00	556.50	596.00	635.10
3751234.43	504.80	510.60	515.40	521.50	530.10	547.10	570.50	612.20	650.20
3751134.43	512.40	513.00	516.40	540.90	547.30	559.70	574.00	609.80	636.10
3751034.43	514.10	518.70	538.20	566.60	558.70	570.80	594.70	631.60	660.00
3750934.43	532.10	531.70	564.30	576.10	577.60	587.10	618.00	658.00	693.50

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	516.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	507.50
3753934.43	507.60
3753834.43	504.10

3753734.43	502.70
3753634.43	500.40
3753534.43	500.80
3753434.43	497.40
3753334.43	496.10
3753234.43	494.70
3753134.43	492.30
3753034.43	491.70
3752934.43	485.90
3752834.43	487.20
3752734.43	485.10
3752634.43	485.10
3752534.43	484.10
3752434.43	485.40
3752334.43	484.70
3752234.43	491.00
3752134.43	493.80
3752034.43	502.20
3751934.43	504.90
3751834.43	515.40
3751734.43	523.90
3751634.43	548.80
3751534.43	594.90
3751434.43	642.40
3751334.43	689.90
3751234.43	687.90
3751134.43	679.30
3751034.43	697.10
3750934.43	732.40

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	615.00	527.00	526.00	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	615.00	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	616.00	615.00	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	616.00	615.00	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	616.00	615.00	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	616.00	615.00	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	615.00	615.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	615.00	559.00	512.10	511.60	512.10	508.80	811.00	811.00	811.00
3753834.43	615.00	559.00	507.90	511.00	811.00	811.00	811.00	811.00	811.00
3753734.43	613.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3750934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	520.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	811.00
3753934.43	811.00
3753834.43	811.00
3753734.43	811.00
3753634.43	811.00

3753534.43	811.00
3753434.43	811.00
3753334.43	811.00
3753234.43	811.00
3753134.43	811.00
3753034.43	811.00
3752934.43	811.00
3752834.43	811.00
3752734.43	811.00
3752634.43	811.00
3752534.43	811.00
3752434.43	811.00
3752334.43	811.00
3752234.43	811.00
3752134.43	811.00
3752034.43	811.00
3751934.43	811.00
3751834.43	811.00
3751734.43	811.00
3751634.43	811.00
3751534.43	811.00
3751434.43	811.00
3751334.43	811.00
3751234.43	811.00
3751134.43	811.00
3751034.43	811.00
3750934.43	811.00

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM10 - LST Assessment (No Refrigeration) *** 11:19:04
PAGE 42

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

485549.5, 485649.5, 485749.5, 485849.5,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.9, 3751034.9, 3751134.9, 3751234.9, 3751334.9, 3751434.9, 3751534.9, 3751634.9, 3751734.9, 3751834.9,
3751934.9, 3752034.9, 3752134.9, 3752234.9, 3752334.9, 3752434.9, 3752534.9, 3752634.9, 3752734.9, 3752834.9,
3752934.9, 3753034.9, 3753134.9, 3753234.9, 3753334.9, 3753434.9,

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM10 - LST Assessment (No Refrigeration) *** 11:19:04
PAGE 43

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	497.00	494.70	493.80	492.50
3753334.90	495.20	494.30	494.20	494.90
3753234.90	493.20	495.50	492.40	492.80
3753134.90	490.00	490.70	490.50	489.50
3753034.90	490.20	491.70	489.20	490.10
3752934.90	488.20	488.60	486.50	488.00
3752834.90	489.00	487.30	488.80	488.50
3752734.90	488.90	487.30	487.40	486.30
3752634.90	486.00	486.60	486.90	486.00
3752534.90	486.00	484.20	484.00	486.00
3752434.90	485.70	485.00	488.10	493.30
3752334.90	489.50	491.30	494.00	502.10
3752234.90	493.50	496.70	497.00	506.50
3752134.90	498.50	502.00	503.90	507.60
3752034.90	508.20	508.10	511.20	522.80
3751934.90	513.90	513.00	519.30	532.40
3751834.90	518.10	529.70	538.40	559.00
3751734.90	531.80	533.60	558.40	605.00
3751634.90	557.00	570.60	588.90	622.30
3751534.90	599.00	611.20	626.10	628.30
3751434.90	659.50	664.00	669.40	643.70
3751334.90	702.50	703.50	696.20	663.60
3751234.90	708.30	736.50	713.70	692.00
3751134.90	720.70	748.90	725.50	720.30
3751034.90	744.10	769.60	738.00	734.40
3750934.90	771.00	782.40	753.40	754.20

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM10 - LST Assessment (No Refrigeration) *** 11:19:04
PAGE 44

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	811.00	811.00	811.00	811.00
3753334.90	811.00	811.00	811.00	811.00
3753234.90	811.00	811.00	811.00	811.00
3753134.90	811.00	811.00	811.00	811.00

```
 3753034.90 |        811.00       811.00       811.00       811.00
 3752934.90 |        811.00       811.00       811.00       811.00
 3752834.90 |        811.00       811.00       811.00       811.00
 3752734.90 |        811.00       811.00       811.00       811.00
 3752634.90 |        811.00       811.00       811.00       811.00
 3752534.90 |        811.00       811.00       811.00       811.00
 3752434.90 |        811.00       811.00       811.00       811.00
 3752334.90 |        811.00       811.00       811.00       811.00
 3752234.90 |        811.00       811.00       811.00       811.00
 3752134.90 |        811.00       811.00       811.00       811.00
 3752034.90 |        811.00       811.00       811.00       811.00
 3751934.90 |        811.00       811.00       811.00       811.00
 3751834.90 |        811.00       811.00       811.00       811.00
 3751734.90 |        811.00       811.00       811.00       811.00
 3751634.90 |        811.00       811.00       811.00       811.00
 3751534.90 |        811.00       811.00       811.00       811.00
 3751434.90 |        811.00       811.00       811.00       811.00
 3751334.90 |        811.00       811.00       811.00       811.00
 3751234.90 |        811.00       811.00       811.00       811.00
 3751134.90 |        811.00       811.00       811.00       811.00
 3751034.90 |        811.00       798.00       811.00       811.00
 3750934.90 |        798.00       798.00       811.00       811.00
```



```
 **MODELOPTs:  NonDFAULT CONC                                        ELEV
                         FASTALL

                                   *** DISCRETE CARTESIAN RECEPTORS ***
                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                              (METERS)

     ( 485619.4, 3753969.7,     505.7,     811.0,       0.0);         ( 485713.0, 3753961.9,     506.6,     811.0,       0.0);
     ( 487190.8, 3754410.3,     509.4,     776.0,       0.0);         ( 487194.8, 3754289.5,     507.2,     777.0,       0.0);
     ( 487268.8, 3754090.6,     503.1,     777.0,       0.0);         ( 487483.3, 3754102.3,     502.0,     777.0,       0.0);
```



```
 **MODELOPTs:  NonDFAULT CONC                                        ELEV
                         FASTALL

                       * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
                         LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL


                              SOURCE          - - RECEPTOR LOCATION - -         DISTANCE
                                ID            XR (METERS)   YR (METERS)         (METERS)
                            - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                            L0111824            485553.0     3754938.3            -8.64
                            L0111825            485553.0     3754938.3            -0.74
                            L0110875            487190.8     3754410.3            -0.17
```



```
 **MODELOPTs:  NonDFAULT CONC                                        ELEV
                         FASTALL

                                   *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                              (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                 *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                              (METERS/SEC)

                                            1.54,   3.09,   5.14,   8.23,  10.80,
```



```
 **MODELOPTs:  NonDFAULT CONC                                        ELEV
                         FASTALL

                                  *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

   Surface file:   RIVR2.SFC                                                                  Met Version:  11059
   Profile file:   RIVR2.PFL
   Surface format: FREE
   Profile format: FREE
   Surface station no.:        2                  Upper air station no.:     3190
                  Name: UNKNOWN                                   Name: UNKNOWN
                  Year:   2005                                    Year:   2005

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN ALBEDO  REF WS   WD     HT  REF TA     HT
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 05 01 01   1 01   -7.5  0.135 -9.000 -9.000 -999.  115.     29.0  0.39   1.00   1.00    1.60  338.    9.1  279.2    5.5
 05 01 01   1 02   -2.2  0.057 -9.000 -9.000 -999.   34.      7.4  0.39   1.00   1.00    0.90  264.    9.1  279.2    5.5
 05 01 01   1 03   -4.0  0.070 -9.000 -9.000 -999.   42.      7.4  0.39   1.00   1.00    1.10   54.    9.1  278.8    5.5
 05 01 01   1 04   -1.6  0.044 -9.000 -9.000 -999.   21.      4.7  0.39   1.00   1.00    0.70  360.    9.1  278.8    5.5
 05 01 01   1 05   -2.7  0.063 -9.000 -9.000 -999.   37.      8.2  0.39   1.00   1.00    1.00  318.    9.1  278.1    5.5
 05 01 01   1 06   -2.8  0.070 -9.000 -9.000 -999.   42.     10.5  0.39   1.00   1.00    1.10   53.    9.1  277.5    5.5
 05 01 01   1 07   -3.8  0.070 -9.000 -9.000 -999.   42.      7.7  0.39   1.00   1.00    1.10  134.    9.1  278.8    5.5
 05 01 01   1 08   -2.3  0.057 -9.000 -9.000 -999.   31.      7.0  0.39   1.00   0.53    0.90  319.    9.1  278.8    5.5
 05 01 01   1 09   29.7  0.193  0.388  0.005   69.  195.    -21.1  0.39   1.00   0.32    1.20  110.    9.1  282.0    5.5
```

05	01	01	1	10	78.5	0.248	1.193	0.005	760.	285.	-17.1	0.39	1.00	0.25	1.50	107.	9.1	284.2	5.5
05	01	01	1	11	118.9	0.316	1.511	0.007	1020.	409.	-23.3	0.39	1.00	0.22	2.00	122.	9.1	285.9	5.5
05	01	01	1	12	132.2	0.238	1.665	0.009	1227.	270.	-9.0	0.39	1.00	0.21	1.30	154.	9.1	287.0	5.5
05	01	01	1	13	80.9	0.249	1.421	0.009	1245.	286.	-16.8	0.39	1.00	0.21	1.50	166.	9.1	287.0	5.5
05	01	01	1	14	80.7	0.305	1.427	0.009	1263.	388.	-31.0	0.39	1.00	0.23	2.00	235.	9.1	287.5	5.5
05	01	01	1	15	36.6	0.321	1.098	0.009	1270.	419.	-79.5	0.39	1.00	0.26	2.30	305.	9.1	286.4	5.5
05	01	01	1	16	1.2	0.206	0.354	0.009	1271.	221.	-629.7	0.39	1.00	0.35	1.60	292.	9.1	285.9	5.5
05	01	01	1	17	-11.9	0.181	-9.000	-9.000	-999.	178.	44.1	0.39	1.00	0.63	1.90	280.	9.1	285.4	5.5
05	01	01	1	18	-17.1	0.313	-9.000	-9.000	-999.	404.	158.3	0.39	1.00	1.00	2.70	304.	9.1	284.2	5.5
05	01	01	1	19	-8.7	0.159	-9.000	-9.000	-999.	161.	40.6	0.39	1.00	1.00	1.70	311.	9.1	283.8	5.5
05	01	01	1	20	-3.8	0.070	-9.000	-9.000	-999.	48.	7.8	0.39	1.00	1.00	1.10	13.	9.1	283.1	5.5
05	01	01	1	21	-4.7	0.076	-9.000	-9.000	-999.	48.	8.2	0.39	1.00	1.00	1.20	8.	9.1	282.0	5.5
05	01	01	1	22	-2.1	0.051	-9.000	-9.000	-999.	26.	5.4	0.39	1.00	1.00	0.80	183.	9.1	280.9	5.5
05	01	01	1	23	-2.1	0.051	-9.000	-9.000	-999.	26.	5.4	0.39	1.00	1.00	0.80	16.	9.1	280.4	5.5
05	01	01	1	24	-2.1	0.051	-9.000	-9.000	-999.	26.	5.4	0.39	1.00	1.00	0.80	62.	9.1	279.9	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
05	01	01	01	5.5	0	-999.	-99.00	279.3	99.0	-99.00	-99.00
05	01	01	01	9.1	1	338.	1.60	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	0.00485	0.00499	0.00514	0.00529	0.00546	0.00556	0.00576	0.00594	0.00619
3766938.31	0.00498	0.00504	0.00517	0.00535	0.00550	0.00564	0.00585	0.00669	0.00636
3765938.31	0.00501	0.00552	0.00528	0.00543	0.00562	0.00573	0.00609	0.00686	0.00660
3764938.31	0.00501	0.00540	0.00554	0.00553	0.00567	0.00584	0.00609	0.00647	0.00675
3763938.31	0.00499	0.00558	0.00531	0.00550	0.00566	0.00592	0.00619	0.00656	0.00698
3762938.31	0.00494	0.00513	0.00531	0.00547	0.00572	0.00600	0.00632	0.00671	0.00718
3761938.31	0.00492	0.00509	0.00529	0.00552	0.00579	0.00608	0.00643	0.00685	0.00736
3760938.31	0.00493	0.00513	0.00534	0.00568	0.00590	0.00620	0.00656	0.00699	0.00755
3759938.31	0.00500	0.00519	0.00568	0.00571	0.00602	0.00634	0.00671	0.00714	0.00769
3758938.31	0.00504	0.00528	0.00555	0.00583	0.00613	0.00645	0.00685	0.00729	0.00783
3757938.31	0.00513	0.00536	0.00562	0.00600	0.00622	0.00650	0.00693	0.00744	0.00804
3756938.31	0.00512	0.00537	0.00563	0.00595	0.00632	0.00678	0.00719	0.00751	0.00816
3755938.31	0.00510	0.00536	0.00563	0.00594	0.00631	0.00690	0.00740	0.00807	0.00834
3754938.31	0.00505	0.00531	0.00561	0.00595	0.00634	0.00703	0.00755	0.00820	0.00891
3753938.31	0.00501	0.00525	0.00554	0.00586	0.00636	0.00692	0.00747	0.00826	0.00884
3752938.31	0.00493	0.00518	0.00549	0.00582	0.00627	0.00687	0.00751	0.00812	0.00856
3751938.31	0.00483	0.00505	0.00530	0.00565	0.00609	0.00659	0.00710	0.00764	0.00819
3750938.31	0.00472	0.00496	0.00525	0.00552	0.00577	0.00628	0.00690	0.00730	0.00767
3749938.31	0.00460	0.00479	0.00518	0.00560	0.00584	0.00606	0.00647	0.00681	0.00675
3748938.31	0.00461	0.00454	0.00485	0.00522	0.00555	0.00584	0.00591	0.00501	0.00582
3747938.31	0.00450	0.00471	0.00463	0.00485	0.00519	0.00433	0.00459	0.00481	0.00576
3746938.31	0.00437	0.00465	0.00478	0.00472	0.00504	0.00539	0.00564	0.00585	0.00602
3745938.31	0.00423	0.00449	0.00461	0.00467	0.00478	0.00509	0.00544	0.00547	0.00553
3744938.31	0.00407	0.00429	0.00440	0.00455	0.00478	0.00509	0.00439	0.00520	0.00537
3743938.31	0.00394	0.00409	0.00428	0.00450	0.00470	0.00492	0.00523	0.00550	0.00577
3742938.31	0.00395	0.00412	0.00436	0.00428	0.00441	0.00448	0.00516	0.00484	0.00449
3741938.31	0.00404	0.00327	0.00321	0.00337	0.00305	0.00358	0.00357	0.00322	0.00413

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	0.00643	0.00668	0.00699	0.00726	0.00756	0.00795	0.00832	0.00876	0.00925
3766938.31	0.00672	0.00717	0.00749	0.00775	0.00836	0.00886	0.00900	0.00948	0.00998
3765938.31	0.00699	0.00747	0.00851	0.00826	0.00897	0.00976	0.01036	0.01069	0.01126
3764938.31	0.00719	0.00774	0.00644	0.00934	0.00934	0.01040	0.01053	0.01034	0.01166
3763938.31	0.00747	0.00803	0.00907	0.00954	0.01001	0.01069	0.01138	0.01096	0.00985
3762938.31	0.00763	0.00830	0.00898	0.00974	0.01073	0.01100	0.01243	0.01293	0.01316
3761938.31	0.00843	0.00798	0.00823	0.01047	0.00880	0.00713	0.00874	0.01140	0.01457
3760938.31	0.00851	0.00960	0.00763	0.00786	0.01003	0.00956	0.00790	0.00871	0.01261
3759938.31	0.00834	0.00911	0.00720	0.00632	0.01001	0.01232	0.01280	0.00938	0.01363
3758938.31	0.00854	0.00950	0.00642	0.00648	0.01004	0.01313	0.01464	0.01565	0.01563
3757938.31	0.00899	0.00994	0.01069	0.00657	0.00732	0.01322	0.01588	0.01756	0.01838
3756938.31	0.00920	0.01043	0.01133	0.01174	0.00838	0.01354	0.01661	0.01919	0.02148
3755938.31	0.00969	0.01067	0.01138	0.01261	0.01357	0.01508	0.01719	0.01971	0.02312
3754938.31	0.00968	0.01050	0.01140	0.01255	0.01395	0.01570	0.01785	0.02054	0.02402
3753938.31	0.00958	0.01006	0.01108	0.01219	0.01350	0.01521	0.01731	0.01993	0.02337
3752938.31	0.00902	0.00983	0.01071	0.01161	0.01284	0.01433	0.01615	0.01845	0.02149

3751938.31	0.00843	0.00843	0.00985	0.01092	0.01190	0.01314	0.01468	0.01663	0.01920
3750938.31	0.00756	0.00765	0.00897	0.01006	0.01089	0.01191	0.01329	0.01492	0.01714
3749938.31	0.00639	0.00665	0.00749	0.00927	0.01006	0.01099	0.01211	0.01363	0.01550
3748938.31	0.00585	0.00635	0.00715	0.00831	0.00947	0.01029	0.01134	0.01266	0.01422
3747938.31	0.00601	0.00648	0.00708	0.00781	0.00905	0.00979	0.01068	0.01180	0.01317
3746938.31	0.00581	0.00649	0.00706	0.00742	0.00833	0.00932	0.01005	0.01103	0.01215
3745938.31	0.00549	0.00638	0.00692	0.00738	0.00787	0.00884	0.00948	0.01028	0.01130
3744938.31	0.00588	0.00636	0.00672	0.00708	0.00717	0.00837	0.00893	0.00964	0.01065
3743938.31	0.00594	0.00610	0.00639	0.00671	0.00704	0.00795	0.00847	0.00918	0.01017
3742938.31	0.00518	0.00533	0.00561	0.00613	0.00666	0.00749	0.00816	0.00881	0.00980
3741938.31	0.00405	0.00443	0.00494	0.00553	0.00580	0.00602	0.00761	0.00859	0.00947

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	0.00983	0.01043	0.01112	0.01184	0.01262	0.01339	0.01414	0.01446	0.01433
3766938.31	0.01047	0.01143	0.01212	0.01301	0.01400	0.01489	0.01545	0.01501	0.01482
3765938.31	0.01180	0.01204	0.01352	0.01446	0.01555	0.01624	0.01641	0.01592	0.01503
3764938.31	0.01293	0.01361	0.01413	0.01572	0.01695	0.01756	0.01702	0.01635	0.01546
3763938.31	0.01214	0.01509	0.01618	0.01723	0.01872	0.02018	0.01732	0.01608	0.01586
3762938.31	0.01115	0.01241	0.01775	0.01947	0.02144	0.02327	0.02471	0.02446	0.02203
3761938.31	0.01203	0.01123	0.01718	0.01759	0.02405	0.02720	0.02961	0.02762	0.02650
3760938.31	0.01459	0.01156	0.01257	0.01588	0.01942	0.02519	0.03484	0.03853	0.03813
3759938.31	0.01195	0.01377	0.01428	0.01585	0.01884	0.02648	0.03516	0.04378	0.04469
3758938.31	0.01276	0.01429	0.01807	0.01973	0.02226	0.02829	0.03459	0.03607	0.04377
3757938.31	0.01589	0.01623	0.01931	0.02688	0.03011	0.04049	0.04298	0.05034	0.05392
3756938.31	0.02233	0.02428	0.02495	0.02980	0.04888	0.05946	0.07400	0.08739	0.08748
3755938.31	0.02720	0.03192	0.03857	0.05070	0.06565	0.09554	0.15405	0.23851	0.20207
3754938.31	0.02872	0.03518	0.04479	0.06001	0.08554	0.14132	1.15108	1.33228	1.71325
3753938.31	0.02790	0.03487	0.04500	0.06053	0.08378	0.14596	0.77210	0.96382	1.51647
3752938.31	0.02530	0.03099	0.03908	0.05172	0.07345	0.12059	0.33593	0.77018	1.50684
3751938.31	0.02250	0.02695	0.03318	0.04257	0.05750	0.08800	0.15610	0.16069	0.34615
3750938.31	0.01981	0.02352	0.02822	0.03572	0.04831	0.06379	0.05368	0.08136	0.17123
3749938.31	0.01791	0.02089	0.02565	0.03081	0.03979	0.04518	0.05359	0.08505	0.13508
3748938.31	0.01625	0.01894	0.02198	0.01537	0.03258	0.04615	0.06023	0.07794	0.09059
3747938.31	0.01485	0.01719	0.01274	0.01668	0.03160	0.03966	0.04894	0.06040	0.06013
3746938.31	0.01363	0.01589	0.01915	0.02321	0.02831	0.03410	0.04067	0.04525	0.05665
3745938.31	0.01273	0.01469	0.01748	0.02130	0.02531	0.02966	0.03170	0.02638	0.04424
3744938.31	0.01201	0.01389	0.01634	0.01930	0.02277	0.02632	0.01668	0.03323	0.03664
3743938.31	0.01148	0.01325	0.01537	0.01780	0.02039	0.01258	0.02557	0.02781	0.03117
3742938.31	0.01107	0.01261	0.01449	0.01662	0.01881	0.02051	0.02211	0.02426	0.02682
3741938.31	0.01068	0.01212	0.01370	0.01547	0.01726	0.01835	0.01969	0.02147	0.02364

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	0.01401	0.01296	0.01114	0.00991	0.00894	0.00732	0.00780	0.00796	0.00722
3766938.31	0.01326	0.01237	0.01086	0.01101	0.01016	0.00975	0.00942	0.00852	0.00759
3765938.31	0.01373	0.01303	0.01375	0.01409	0.01259	0.01124	0.01008	0.00886	0.00817
3764938.31	0.01538	0.01631	0.01601	0.01563	0.01417	0.01187	0.01081	0.00962	0.00884
3763938.31	0.01749	0.01805	0.01939	0.01659	0.01543	0.01346	0.01151	0.01056	0.00996
3762938.31	0.02572	0.02499	0.02162	0.01890	0.01614	0.01449	0.01270	0.01187	0.01112
3761938.31	0.02305	0.02241	0.02098	0.01966	0.01771	0.01573	0.01455	0.01343	0.01274
3760938.31	0.03160	0.02601	0.02514	0.02255	0.02009	0.01877	0.01707	0.01581	0.01443
3759938.31	0.04861	0.04450	0.03499	0.02918	0.02513	0.02273	0.02035	0.01843	0.01668
3758938.31	0.03947	0.03952	0.04163	0.03443	0.03444	0.02849	0.02490	0.02118	0.01951
3757938.31	0.05182	0.04905	0.04518	0.04079	0.03516	0.03400	0.02732	0.02418	0.02138
3756938.31	0.07864	0.07260	0.06354	0.05264	0.04302	0.03778	0.03401	0.02812	0.02403
3755938.31	0.17384	0.12358	0.09525	0.07175	0.05772	0.04683	0.03890	0.03306	0.02776
3754938.31	1.43285	0.32244	0.18149	0.11331	0.07952	0.06301	0.04827	0.03811	0.03225
3753938.31	1.32066	1.65947	0.47414	0.20737	0.13755	0.08781	0.07166	0.05067	0.03717
3752938.31	6.12037	1.82343	1.82352	0.49450	0.27569	0.14815	0.10075	0.06629	0.04278
3751938.31	0.51521	0.57294	0.59367	0.47551	0.30949	0.17920	0.12375	0.08257	0.05249
3750938.31	0.26011	0.28465	0.29000	0.25887	0.22284	0.18534	0.14732	0.10055	0.06045
3749938.31	0.16086	0.17836	0.18310	0.17431	0.15860	0.14160	0.12401	0.06975	0.06301
3748938.31	0.11361	0.12375	0.12953	0.12748	0.11843	0.10720	0.09670	0.07668	0.04997
3747938.31	0.08280	0.09139	0.09728	0.09833	0.09301	0.08556	0.07900	0.07348	0.06722
3746938.31	0.06323	0.07352	0.07583	0.07748	0.07555	0.07162	0.06618	0.06185	0.05863
3745938.31	0.05021	0.05622	0.06076	0.06301	0.06277	0.06009	0.05658	0.05303	0.05043
3744938.31	0.04129	0.04623	0.04978	0.05210	0.05266	0.05137	0.04904	0.04637	0.04397
3743938.31	0.03494	0.03879	0.04191	0.04406	0.04585	0.04529	0.04287	0.04101	0.03911
3742938.31	0.03003	0.03333	0.03618	0.03843	0.03561	0.02204	0.02464	0.03674	0.03534
3741938.31	0.02621	0.02902	0.03143	0.02883	0.02427	0.02021	0.01912	0.03299	0.03204

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	0.00652	0.00552	0.00501	0.00419	0.00277	0.00203	0.00152	0.00109	0.00079
3766938.31	0.00691	0.00588	0.00485	0.00430	0.00273	0.00100	0.00100	0.00100	0.00100
3765938.31	0.00747	0.00608	0.00337	0.00399	0.00311	0.00136	0.00116	0.00113	0.00138
3764938.31	0.00839	0.00720	0.00640	0.00644	0.00367	0.00237	0.00215	0.00206	0.00156
3763938.31	0.00940	0.00891	0.00835	0.00759	0.00647	0.00393	0.00346	0.00361	0.00263
3762938.31	0.01050	0.01013	0.00883	0.00793	0.00705	0.00605	0.00495	0.00423	0.00364
3761938.31	0.01201	0.01115	0.00972	0.00525	0.00759	0.00615	0.00646	0.00598	0.00468
3760938.31	0.01348	0.01227	0.01063	0.00959	0.00851	0.00816	0.00729	0.00669	0.00573
3759938.31	0.01507	0.01363	0.01242	0.01124	0.01013	0.00909	0.00826	0.00736	0.00674
3758938.31	0.01699	0.01504	0.01328	0.01206	0.01105	0.01024	0.00955	0.00868	0.00765
3757938.31	0.01866	0.01650	0.01480	0.01349	0.01238	0.01135	0.01053	0.00979	0.00894
3756938.31	0.02104	0.01852	0.01642	0.01480	0.01350	0.01240	0.01149	0.01071	0.01002
3755938.31	0.02390	0.02105	0.01874	0.01681	0.01521	0.01381	0.01253	0.01144	0.01050
3754938.31	0.02744	0.02361	0.02041	0.01802	0.01596	0.01439	0.01310	0.01205	0.01116
3753938.31	0.03084	0.02632	0.02276	0.01982	0.01752	0.01566	0.01417	0.01293	0.01190
3752938.31	0.03588	0.02969	0.02546	0.02193	0.01951	0.01735	0.01568	0.01427	0.01303
3751938.31	0.04206	0.03486	0.02840	0.02436	0.02168	0.01908	0.01709	0.01573	0.01442
3750938.31	0.05050	0.04039	0.03128	0.02704	0.02357	0.02081	0.01854	0.01685	0.01498
3749938.31	0.07079	0.05137	0.03641	0.03025	0.02640	0.02253	0.02002	0.01791	0.01617
3748938.31	0.05412	0.05455	0.04028	0.03253	0.02840	0.02567	0.02248	0.02101	0.01819
3747938.31	0.04541	0.05482	0.03757	0.03461	0.02924	0.02487	0.02461	0.02273	0.02174
3746938.31	0.05578	0.05187	0.03086	0.02879	0.02985	0.02654	0.02668	0.02568	0.02273
3745938.31	0.04813	0.04625	0.04068	0.03529	0.03132	0.03251	0.02713	0.02104	0.01879
3744938.31	0.04203	0.04021	0.03879	0.03779	0.01990	0.01959	0.01935	0.01616	0.01614
3743938.31	0.03738	0.03589	0.03457	0.03359	0.03121	0.01717	0.01430	0.01457	0.01293
3742938.31	0.03376	0.03251	0.03141	0.03054	0.02988	0.02355	0.01531	0.01265	0.01062
3741938.31	0.03083	0.02976	0.02877	0.02802	0.02734	0.02681	0.02639	0.01598	0.01198

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	0.15134	0.16248	0.17644	0.19132	0.20887	0.23640	0.27141	0.32393	0.41764
3754534.43	0.15154	0.16251	0.17677	0.19282	0.21250	0.23619	0.27232	0.32423	0.41922
3754434.43	0.15107	0.16256	0.17599	0.19208	0.21124	0.23678	0.27086	0.32247	0.41731
3754334.43	0.15037	0.16165	0.17457	0.19014	0.20994	0.23490	0.26826	0.31716	0.40856
3754234.43	0.14945	0.16014	0.17324	0.18871	0.20771	0.23146	0.26373	0.30965	0.39039
3754134.43	0.14761	0.15941	0.17196	0.18711	0.20566	0.22874	0.25860	0.30068	0.37166
3754034.43	0.14618	0.15849	0.17083	0.18555	0.20327	0.22527	0.25369	0.29321	0.35952
3753934.43	0.14569	0.15731	0.16929	0.18363	0.20065	0.22249	0.24998	0.28822	0.35182
3753834.43	0.14592	0.15632	0.16844	0.18207	0.19929	0.22002	0.24662	0.28383	0.34153
3753734.43	0.14500	0.15527	0.16717	0.18102	0.19758	0.21771	0.24352	0.28015	0.33960
3753634.43	0.14356	0.15370	0.16501	0.17913	0.19547	0.21544	0.24104	0.27664	0.33574
3753534.43	0.14138	0.15108	0.16277	0.17679	0.19286	0.21224	0.23727	0.27109	0.33051
3753434.43	0.13825	0.14846	0.16007	0.17326	0.18916	0.20832	0.23242	0.26581	0.32419
3753334.43	0.13576	0.14536	0.15601	0.16887	0.18408	0.20302	0.22626	0.25886	0.31657
3753234.43	0.13241	0.14139	0.15210	0.16462	0.17880	0.19603	0.21915	0.25005	0.30539
3753134.43	0.12934	0.13801	0.14752	0.15860	0.17321	0.18981	0.21136	0.23823	0.28387
3753034.43	0.12525	0.13335	0.14327	0.15386	0.16704	0.18212	0.20154	0.22540	0.26225
3752934.43	0.12038	0.12835	0.13801	0.14771	0.16039	0.17425	0.19169	0.21353	0.24136
3752834.43	0.11728	0.12460	0.13334	0.14300	0.15415	0.16702	0.18289	0.20338	0.22575
3752734.43	0.11343	0.12082	0.12835	0.13746	0.14786	0.16084	0.17404	0.19214	0.21276
3752634.43	0.11016	0.11642	0.12451	0.13290	0.14220	0.15497	0.16820	0.18331	0.20106
3752534.43	0.10634	0.11250	0.11865	0.12781	0.13639	0.14697	0.15969	0.17302	0.19067
3752434.43	0.10257	0.10926	0.11570	0.12329	0.13128	0.13947	0.15261	0.16397	0.18139
3752334.43	0.09922	0.10535	0.11153	0.11809	0.12623	0.13476	0.14556	0.15710	0.17214
3752234.43	0.09580	0.10129	0.10805	0.11401	0.12108	0.12724	0.13928	0.14931	0.16325
3752134.43	0.09294	0.09856	0.10415	0.11036	0.11733	0.12456	0.13337	0.14413	0.15595
3752034.43	0.09109	0.09602	0.10030	0.10637	0.11349	0.11972	0.12844	0.13797	0.14856
3751934.43	0.08785	0.09259	0.09785	0.10308	0.10912	0.11627	0.12406	0.13248	0.14150
3751834.43	0.08555	0.09025	0.09515	0.10060	0.10586	0.11255	0.11967	0.12663	0.13292
3751734.43	0.08416	0.08831	0.09299	0.09790	0.10319	0.10909	0.11525	0.12146	0.12508
3751634.43	0.08217	0.08618	0.09048	0.09512	0.09988	0.10560	0.11057	0.11356	0.11188
3751534.43	0.08024	0.08401	0.08714	0.09142	0.09549	0.10089	0.10351	0.09701	0.08578
3751434.43	0.07821	0.08108	0.08417	0.08755	0.09132	0.09221	0.08672	0.07782	0.06680
3751334.43	0.07599	0.07890	0.08175	0.08413	0.08766	0.08594	0.07607	0.06298	0.05970
3751234.43	0.07378	0.07621	0.07857	0.08019	0.08049	0.07578	0.06762	0.05792	0.05683
3751134.43	0.07121	0.07410	0.07646	0.07069	0.07085	0.06808	0.06474	0.05696	0.05616
3751034.43	0.06940	0.07118	0.06757	0.05836	0.06434	0.06195	0.05647	0.05268	0.05305
3750934.43	0.06344	0.06603	0.05594	0.05388	0.05573	0.05507	0.05076	0.04960	0.05045

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**MODELOPTS:  NonDFAULT CONC                                          ELEV
              FASTALL

     *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   3 YEARS FOR SOURCE GROUP: ALL      ***
                        INCLUDING SOURCE(S):     PHASE1      , L0112156    , L0112157    , L0112158    , L0112159    ,
     L0112160    , L0112161    , L0112162    , L0112163    , L0112164    , L0112165    , L0112166    , L0112167    ,
     L0112168    , L0112169    , L0112170    , L0112171    , L0112172    , L0112173    , L0112174    , L0112175    ,
     L0112176    , L0112177    , L0112178    , L0112179    , L0112180    , L0112181    , L0112182    ,  . . .      ,

                    *** NETWORK ID: UCART3   ;  NETWORK TYPE: GRIDCART ***

                         ** CONC OF PM_10    IN MICROGRAMS/M**3                          **

   Y-COORD  |                                          X-COORD (METERS)
   (METERS) |     485451.71
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FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
485619.40	3753969.72	0.66334	485712.99	3753961.92	0.60973
487190.85	3754410.34	6.50729	487194.75	3754289.46	4.25945
487268.83	3754090.60	2.69292	487483.30	3754102.29	1.81642

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM10 - LST Assessment (No Refrigeration) *** 11:19:04
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03
3767938.3	0.04376 (07110224)	0.04578 (07110224)	0.04749 (07110224)	0.04901 (07110224)	0.05063 (07110224)
3766938.3	0.04233 (07110224)	0.04448 (07110224)	0.04691 (07110224)	0.04928 (07110224)	0.05104 (07110224)
3765938.3	0.03805 (07110224)	0.04450 (07110224)	0.04483 (07110224)	0.04801 (07110224)	0.05114 (07110224)
3764938.3	0.03837 (07120324)	0.04021 (07120324)	0.04160 (07110224)	0.04430 (07110224)	0.04805 (07110224)
3763938.3	0.04082 (07120324)	0.04448 (07120324)	0.04121 (07120324)	0.04136 (07120324)	0.04187 (07110224)
3762938.3	0.04274 (07120324)	0.04354 (07120324)	0.04411 (07120324)	0.04429 (07120324)	0.04498 (07120324)
3761938.3	0.04517 (07120324)	0.04591 (07120324)	0.04676 (07120324)	0.04776 (07120324)	0.04896 (07120324)
3760938.3	0.04890 (07120324)	0.04981 (07120324)	0.05068 (07120324)	0.05273 (07120324)	0.05355 (07120324)
3759938.3	0.05379 (07120324)	0.05477 (07120324)	0.05876 (07120324)	0.05782 (07120324)	0.05948 (07120324)
3758938.3	0.05695 (07120324)	0.05917 (07120324)	0.06163 (07120324)	0.06387 (07120324)	0.06602 (07120324)
3757938.3	0.05785 (07120324)	0.06053 (07120324)	0.06359 (07120324)	0.06768 (07120324)	0.06996 (07120324)
3756938.3	0.05514 (07120324)	0.05820 (07120324)	0.06149 (07120324)	0.06525 (07120324)	0.06962 (07120324)
3755938.3	0.05090 (07120324)	0.05383 (07120324)	0.05698 (07120324)	0.06053 (07120324)	0.06474 (07120324)
3754938.3	0.04566 (07120324)	0.04813 (07120324)	0.05105 (07120324)	0.05439 (07120324)	0.05815 (07120324)
3753938.3	0.04315 (07012424)	0.04525 (07012424)	0.04778 (07012424)	0.05052 (07012424)	0.05474 (07012424)
3752938.3	0.04336 (07012424)	0.04564 (07012424)	0.04847 (07012424)	0.05141 (07012424)	0.05545 (07012424)
3751938.3	0.04393 (07012424)	0.04598 (07012424)	0.04836 (07012424)	0.05164 (07012424)	0.05568 (07012424)
3750938.3	0.04390 (07012424)	0.04629 (05031924)	0.04997 (05031924)	0.05356 (05031924)	0.05712 (05031924)
3749938.3	0.04967 (05031924)	0.05261 (05031924)	0.05772 (05031924)	0.06335 (05031924)	0.06672 (05031924)
3748938.3	0.05520 (05031924)	0.05471 (05031924)	0.05849 (05031924)	0.06270 (05031924)	0.06603 (05031924)
3747938.3	0.05492 (05031924)	0.05660 (05031924)	0.05423 (05031924)	0.05508 (05031924)	0.05650 (05031924)
3746938.3	0.04894 (05031924)	0.05005 (05031924)	0.04848 (05031924)	0.05046 (05110924)	0.05812 (05110924)
3745938.3	0.04648 (05110924)	0.05279 (05110924)	0.05787 (05110924)	0.06219 (05110924)	0.06721 (05110924)
3744938.3	0.05444 (05110924)	0.06027 (05110924)	0.06462 (05110924)	0.06896 (05110924)	0.07414 (05110924)
3743938.3	0.05958 (05110924)	0.06346 (05110924)	0.06744 (05110924)	0.07110 (05110924)	0.07346 (05110924)
3742938.3	0.06271 (05110924)	0.06551 (05110924)	0.06834 (05110924)	0.08335 (05110924)	0.08359 (05110924)
3741938.3	0.06340 (05110924)	0.08051 (05110924)	0.06772 (05110924)	0.07784 (05120824)	0.07929 (05120824)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM10 - LST Assessment (No Refrigeration) *** 11:19:04
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 466553.03	467553.03	468553.03	469553.03	470553.03
3767938.3	0.05170 (07110224)	0.05333 (07110224)	0.05422 (07110224)	0.05447 (07110224)	0.05317 (07110224)
3766938.3	0.05256 (07110224)	0.05455 (07110224)	0.06209 (07110224)	0.05848 (07110224)	0.05990 (07110224)
3765938.3	0.05305 (07110224)	0.05675 (07110224)	0.06400 (07110224)	0.06160 (07110224)	0.06467 (07110224)
3764938.3	0.05168 (07110224)	0.05552 (07110224)	0.05997 (07110224)	0.06305 (07110224)	0.06715 (07110224)
3763938.3	0.04701 (07110224)	0.05227 (07110224)	0.05798 (07110224)	0.06363 (07110224)	0.06921 (07110224)
3762938.3	0.04566 (07120324)	0.04634 (07120324)	0.05256 (07110224)	0.06010 (07110224)	0.06710 (07110224)
3761938.3	0.05004 (07120324)	0.05130 (07120324)	0.05279 (07120324)	0.05445 (07120324)	0.06457 (07110224)
3760938.3	0.05495 (07120324)	0.05667 (07120324)	0.05864 (07120324)	0.06129 (07120324)	0.06655 (07120324)
3759938.3	0.06113 (07120324)	0.06293 (07120324)	0.06520 (07120324)	0.06818 (07120324)	0.07167 (07120324)
3758938.3	0.06815 (07120324)	0.07077 (07120324)	0.07335 (07120324)	0.07655 (07120324)	0.08095 (07120324)
3757938.3	0.07270 (07120324)	0.07667 (07120324)	0.08121 (07120324)	0.08615 (07120324)	0.09404 (07120324)
3756938.3	0.07490 (07120324)	0.07958 (07120324)	0.08322 (07120324)	0.09016 (07120324)	0.10073 (07120324)
3755938.3	0.07108 (07120324)	0.07671 (07120324)	0.08405 (07120324)	0.08751 (07120324)	0.10163 (07120324)
3754938.3	0.06453 (07120324)	0.06959 (07120324)	0.07585 (07120324)	0.08275 (07120324)	0.09026 (07120324)
3753938.3	0.05951 (07012424)	0.06409 (07012424)	0.07085 (07012424)	0.07654 (07012424)	0.08225 (07012424)
3752938.3	0.06077 (07012424)	0.06653 (07012424)	0.07237 (05021124)	0.07959 (05021124)	0.08866 (05021124)
3751938.3	0.06022 (05021124)	0.06574 (05021124)	0.07160 (05021124)	0.07771 (05021124)	0.09306 (05021124)
3750938.3	0.06336 (05031924)	0.07094 (05031924)	0.07625 (05031924)	0.08140 (05031924)	0.10273 (07033124)
3749938.3	0.06978 (05031924)	0.07477 (05031924)	0.07954 (05031924)	0.08825 (05031924)	0.10819 (05031924)
3748938.3	0.06831 (05031924)	0.07419 (05031924)	0.08832 (05031924)	0.08788 (05031924)	0.08708 (05031924)
3747938.3	0.06915 (05031924)	0.06538 (05031924)	0.06452 (07012424)	0.06257 (07012424)	0.07351 (05110924)
3746938.3	0.06656 (05110924)	0.07431 (05110924)	0.08164 (05110924)	0.09014 (05110924)	0.13156 (05110924)

3745938.3	0.07467 (05110924)	0.08217 (05110924)	0.09710 (05110924)	0.12729 (05110924)	0.14286 (05110924)
3744938.3	0.07963 (05110924)	0.12747 (05110924)	0.11374 (05110924)	0.11943 (05110924)	0.10757 (05110924)
3743938.3	0.07476 (05110924)	0.07569 (05110924)	0.07453 (05110924)	0.07918 (05120824)	0.08996 (05120824)
3742938.3	0.08134 (05110924)	0.07169 (05120824)	0.09795 (05120824)	0.09922 (05120824)	0.10240 (05120824)
3741938.3	0.09469 (05120824)	0.08147 (05120824)	0.06082 (05120824)	0.07209 (05121124)	0.06454 (05121124)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM10 - LST Assessment (No Refrigeration) *** 11:19:04
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 471553.03	472553.03	473553.03	474553.03	475553.03
3767938.3	0.05590 (05121924)	0.06030 (05121924)	0.06360 (05121924)	0.06525 (05121924)	0.06448 (05121924)
3766938.3	0.06012 (07110224)	0.06262 (05121924)	0.06685 (05121924)	0.07345 (05121924)	0.07644 (05121924)
3765938.3	0.06719 (07110224)	0.07232 (07110224)	0.06898 (05121924)	0.07753 (05121924)	0.08566 (05121924)
3764938.3	0.07184 (07110224)	0.08816 (07110224)	0.08040 (07110224)	0.07810 (05121924)	0.08989 (05121924)
3763938.3	0.07482 (07110224)	0.08408 (07110224)	0.10125 (07110224)	0.08709 (07110224)	0.08954 (05121924)
3762938.3	0.07534 (07110224)	0.08277 (07110224)	0.09007 (07110224)	0.11007 (07110224)	0.13679 (07110224)
3761938.3	0.09068 (07042124)	0.11267 (07110224)	0.09423 (07110224)	0.12808 (07110224)	0.08120 (07110224)
3760938.3	0.07180 (07120324)	0.11303 (07042124)	0.10723 (07042124)	0.13139 (07110224)	0.14646 (07110224)
3759938.3	0.07558 (07120324)	0.10443 (05113024)	0.08243 (05113024)	0.14050 (05120724)	0.13093 (07111124)
3758938.3	0.08713 (07120324)	0.12164 (07122824)	0.10620 (07122824)	0.14258 (07122824)	0.17125 (05113024)
3757938.3	0.10123 (07120324)	0.11976 (07122824)	0.09537 (07122824)	0.11431 (07122824)	0.20137 (07122824)
3756938.3	0.11289 (07120324)	0.12100 (07120324)	0.14942 (05121924)	0.11437 (07120324)	0.17860 (05121924)
3755938.3	0.11405 (07120324)	0.11983 (07120324)	0.13859 (07120324)	0.19943 (07120324)	0.21937 (07120324)
3754938.3	0.09836 (07120324)	0.10724 (07120324)	0.11864 (07120324)	0.13321 (07120324)	0.16478 (07120324)
3753938.3	0.08582 (07012424)	0.09432 (07012424)	0.10349 (07012424)	0.11445 (05021124)	0.12896 (05021124)
3752938.3	0.09507 (05021124)	0.10090 (05021124)	0.11091 (05021124)	0.12428 (05021124)	0.14033 (05021124)
3751938.3	0.13689 (06022724)	0.11045 (05021124)	0.11058 (05021124)	0.12206 (05021124)	0.13619 (05021124)
3750938.3	0.10681 (05021024)	0.11063 (05021024)	0.10521 (05031924)	0.11259 (05021124)	0.12271 (05021124)
3749938.3	0.11241 (05031924)	0.11593 (05031924)	0.09216 (05021124)	0.10284 (05110924)	0.12354 (05110924)
3748938.3	0.08208 (05031924)	0.08233 (07012424)	0.09813 (05110924)	0.12596 (05110924)	0.14036 (05110924)
3747938.3	0.09836 (05110924)	0.12725 (05110924)	0.15523 (05110924)	0.12772 (05110924)	0.13120 (05110924)
3746938.3	0.14010 (05110924)	0.15564 (05110924)	0.16599 (05110924)	0.15902 (05110924)	0.11910 (05120824)
3745938.3	0.13783 (05110924)	0.12890 (05110924)	0.12762 (05120824)	0.14577 (05120824)	0.10809 (05120824)
3744938.3	0.09821 (05120824)	0.11533 (05120824)	0.12644 (05120824)	0.11379 (05120824)	0.08998m(05012424)
3743938.3	0.10341 (05120824)	0.10455 (05120824)	0.09695 (05120824)	0.08809 (06031924)	0.08386m(05012424)
3742938.3	0.08638 (05120824)	0.07990 (05121124)	0.08187 (06031924)	0.08670 (05040224)	0.07557m(05012424)
3741938.3	0.07841 (05040224)	0.08432 (05040224)	0.08582 (05040224)	0.08150 (06111824)	0.10135 (06011824)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM10 - LST Assessment (No Refrigeration) *** 11:19:04
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 476553.03	477553.03	478553.03	479553.03	480553.03
3767938.3	0.05982 (05121924)	0.05985 (06120724)	0.07032 (06030324)	0.08014 (06030324)	0.09497 (05020424)
3766938.3	0.07221 (05121924)	0.06607 (05121924)	0.06780 (06030324)	0.08198 (06030324)	0.09719 (05020424)
3765938.3	0.08882 (05121924)	0.08431 (05121924)	0.07629 (06120724)	0.08459 (06030324)	0.09555 (06030324)
3764938.3	0.09889 (05121924)	0.11643 (05121924)	0.10388 (05121924)	0.08469 (06120724)	0.10140 (06030324)
3763938.3	0.09578 (05121924)	0.12104 (07112624)	0.10790 (07102524)	0.13991 (07030624)	0.09873 (06012124)
3762938.3	0.10441 (05121924)	0.11093 (07020424)	0.13640 (07112624)	0.11606 (07102524)	0.14015 (07030624)
3761938.3	0.10694 (07110224)	0.15085 (07110224)	0.15811 (07020424)	0.14447 (07112624)	0.11056 (07102524)
3760938.3	0.10284 (07110224)	0.09723 (07110224)	0.15825 (07110224)	0.15237 (07110224)	0.12396 (07112624)
3759938.3	0.16066 (07110224)	0.12876 (07110224)	0.18922 (07110224)	0.13148 (07110224)	0.13740 (07110224)
3758938.3	0.17767 (05120724)	0.17189 (05120724)	0.18896 (07110224)	0.16941 (07110224)	0.16277 (07110224)
3757938.3	0.16649 (05113024)	0.20384 (05113024)	0.21596 (05113024)	0.18908 (07121824)	0.17375 (07110224)
3756938.3	0.20968 (07122824)	0.21676 (07122824)	0.27373 (07122824)	0.27639 (07122824)	0.26284 (07121824)
3755938.3	0.20851 (07120324)	0.21808 (07120324)	0.22018 (05121924)	0.29587 (07122824)	0.34923 (07120324)
3754938.3	0.19335 (07120324)	0.22531 (07120324)	0.26143 (07120324)	0.32836 (07120324)	0.43321 (07120324)
3753938.3	0.14681 (07012424)	0.16782 (07012424)	0.19520 (07012424)	0.23048 (07012424)	0.28718 (06123124)
3752938.3	0.15976 (05021124)	0.18362 (05021124)	0.21527 (05021124)	0.25017 (05021124)	0.30209 (05021124)
3751938.3	0.15304 (05021124)	0.17311 (05021124)	0.19751 (05021124)	0.22441 (05021124)	0.25428 (05021124)
3750938.3	0.13495 (05021124)	0.14674 (05021124)	0.17631 (05110924)	0.21300 (05110924)	0.25058 (05110924)
3749938.3	0.14590 (05110924)	0.17012 (05110924)	0.19190 (05110924)	0.20831 (05110924)	0.21371 (05110924)
3748938.3	0.15273 (05110924)	0.16108 (05110924)	0.16213 (05110924)	0.17913 (05120824)	0.18892 (05120824)
3747938.3	0.12984 (05120824)	0.14247 (05120824)	0.15008 (05120824)	0.14965 (05120824)	0.16279m(05012424)
3746938.3	0.12397 (05120824)	0.12539 (05120824)	0.12496m(05012424)	0.13199m(05012424)	0.13552m(05012424)
3745938.3	0.10488 (05120824)	0.10706m(05012424)	0.11057m(05012424)	0.11411 (06011824)	0.12788 (06011824)
3744938.3	0.09350m(05012424)	0.09485m(05012424)	0.10005 (06011824)	0.11120 (06011824)	0.11523 (06011824)
3743938.3	0.08348m(05012424)	0.08968 (06011824)	0.09897 (06011824)	0.10242 (06011824)	0.11159 (05011824)
3742938.3	0.08244 (06011824)	0.08925 (06011824)	0.09267 (06011824)	0.09266 (05011824)	0.11094 (05011824)
3741938.3	0.08880 (06011824)	0.08527 (06011824)	0.08306 (06011824)	0.09618 (05011824)	0.10667 (05011824)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM10 - LST Assessment (No Refrigeration) *** 11:19:04
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 481553.03	482553.03	483553.03	484553.03	485553.03
3767938.3	0.10857 (05020424)	0.11112 (05020424)	0.10063 (05020424)	0.10222 (06020924)	0.10071 (06020924)
3766938.3	0.11545 (05020424)	0.12459 (05020424)	0.11826 (05020424)	0.11176 (06020924)	0.12286 (06020924)
3765938.3	0.12295 (05020424)	0.13884 (05020424)	0.14087 (05020424)	0.13947 (07110324)	0.13896 (06020924)
3764938.3	0.11818 (05020424)	0.14796 (05020424)	0.16901 (05020424)	0.15647 (07110324)	0.14802 (06020924)
3763938.3	0.12289 (06030324)	0.15408 (05020424)	0.17232 (05020424)	0.17516 (05020424)	0.16008 (06020924)
3762938.3	0.13056 (06030324)	0.16937 (05020424)	0.20746 (05020424)	0.19348 (05020424)	0.25012 (06020924)
3761938.3	0.16663 (07030624)	0.16543 (06030324)	0.23492 (05020424)	0.23566 (05020424)	0.24742 (06020924)
3760938.3	0.11926 (05121924)	0.15066 (07102524)	0.16053 (06030324)	0.23359 (07110324)	0.25503 (06020924)
3759938.3	0.13794 (07112624)	0.13604 (05121924)	0.15427 (07102524)	0.19158 (07110424)	0.26721 (05020424)
3758938.3	0.18025 (07110224)	0.16585 (07112624)	0.16816 (07112624)	0.23613 (07102524)	0.27608 (05020424)
3757938.3	0.23850 (07110224)	0.28157 (07110224)	0.23709 (07102524)	0.26373 (07112624)	0.29954 (07102524)
3756938.3	0.28370 (07121824)	0.30814 (07121824)	0.51405 (07110224)	0.41883 (07110224)	0.41209 (07110324)
3755938.3	0.40548 (07122824)	0.48377 (07122824)	0.56307 (07121824)	0.73084 (07110224)	0.95961 (07110224)
3754938.3	0.45020 (07120324)	0.59191 (07120324)	0.79833 (07120324)	1.20091 (07120324)	2.35791 (07122824)
3753938.3	0.42243 (06123124)	0.56133 (06123124)	0.63921 (07120324)	1.04759 (07120324)	1.73362 (07120324)
3752938.3	0.36728 (05021124)	0.45427 (05021124)	0.57494 (05021124)	0.79664 (05021124)	1.32284 (05021124)
3751938.3	0.28741 (05021124)	0.34046 (05110924)	0.42078 (05121124)	0.52630 (07011224)	0.73221 (05020124)
3750938.3	0.27926 (05110924)	0.30136 (05110924)	0.35783m(05012424)	0.44327m(05012424)	0.29506 (06022624)
3749938.3	0.24902 (05120824)	0.29570m(05012424)	0.31800m(05012424)	0.30706 (06101824)	0.30582 (06022624)
3748938.3	0.23616m(05012424)	0.15989 (06011824)	0.28093 (05011824)	0.30639 (06022624)	0.34976 (06022624)
3747938.3	0.16406 (06011824)	0.17441 (06011824)	0.22370 (05011824)	0.26744 (06101824)	0.27376 (06011724)
3746938.3	0.15555 (06011824)	0.17372 (05011824)	0.20456 (06101824)	0.22324 (06101824)	0.23940 (06011724)
3745938.3	0.13378 (05011824)	0.16362 (05011824)	0.18920 (06101824)	0.19500 (06011724)	0.25950m(05041224)
3744938.3	0.13397 (05011824)	0.15407 (06101824)	0.17043 (06101824)	0.18027 (06011724)	0.19456 (07102624)
3743938.3	0.12798 (05011824)	0.14491 (06101824)	0.16313 (06101824)	0.11525 (06011724)	0.16178 (06011724)
3742938.3	0.12266 (06101824)	0.13405 (06101824)	0.13875 (06011724)	0.14952 (06011724)	0.13982 (06011724)
3741938.3	0.11666 (06101824)	0.12064 (06101824)	0.13078 (06011724)	0.13499 (06011724)	0.12603m(05041224)

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 486553.03	487553.03	488553.03	489553.03	490553.03
3767938.3	0.09555 (06112624)	0.11348 (06112624)	0.10786 (06102824)	0.10616 (05122024)	0.08182 (07110524)
3766938.3	0.11168 (06112624)	0.14060 (06112624)	0.09345 (06102824)	0.09493 (06091124)	0.07968m(07091024)
3765938.3	0.11789 (06112624)	0.13906 (06112624)	0.09560 (05030624)	0.09804 (06091124)	0.10890 (05102324)
3764938.3	0.11075 (06112624)	0.13537 (06112624)	0.10741 (05030624)	0.12060 (07110524)	0.11474 (06012624)
3763938.3	0.10180 (07072524)	0.12935 (06112624)	0.11574 (06112624)	0.13667 (07110524)	0.12929 (06091724)
3762938.3	0.14645 (05112224)	0.17000 (06112624)	0.19238 (05122024)	0.17017m(05030324)	0.13489 (06091724)
3761938.3	0.19138 (06021324)	0.19079 (06112624)	0.15164 (05122024)	0.14101 (07090124)	0.11227 (06091124)
3760938.3	0.23816 (06102824)	0.24075 (06102824)	0.19608 (06102824)	0.14969 (07090124)	0.13695 (06091124)
3759938.3	0.35219 (06021324)	0.26998 (06102824)	0.30584 (06102824)	0.22464 (06021324)	0.23063 (06100924)
3758938.3	0.25901 (06122424)	0.25867 (06102824)	0.20765 (07090124)	0.20900 (06021324)	0.25264 (06112724)
3757938.3	0.38416 (06020924)	0.28961 (05122024)	0.23293 (06102824)	0.25274 (06100924)	0.19760 (05102224)
3756938.3	0.52900 (05010424)	0.54519 (06021324)	0.36082 (06112724)	0.28596 (07110724)	0.26510 (06112724)
3755938.3	1.18458 (07110324)	0.95069 (06112724)	0.61690 (06112724)	0.47461 (06112724)	0.36733 (07082824)
3754938.3	3.01299 (07120324)	3.11358 (07122024)	2.84892 (05091024)	1.04192 (05091024)	0.68496 (05102324)
3753938.3	2.14519m(05012424)	2.40186 (07120624)	2.24371 (07110824)	3.69195 (05102224)	1.21782 (05102724)
3752938.3	1.96557 (07012424)	2.60853 (07010424)	10.59994 (05030224)	3.56681 (05121824)	3.54205 (05091024)
3751938.3	0.65839 (06011724)	1.26834 (07031524)	1.27854 (05111324)	1.28274 (07102624)	1.37777 (05030224)
3750938.3	0.50875 (07102624)	0.73009 (07111824)	0.74869 (07031624)	0.75731 (07031624)	0.71572 (07010424)
3749938.3	0.66056 (07102624)	0.51188 (07111824)	0.52593 (07031624)	0.55763 (07031624)	0.53156 (07111824)
3748938.3	0.36959 (07102624)	0.44415 (06031224)	0.41273 (07111824)	0.42629 (07031624)	0.40643 (06091024)
3747938.3	0.31439m(05041224)	0.33116 (07102624)	0.33996 (07111824)	0.33189 (07031624)	0.33833 (05111324)
3746938.3	0.27757 (05011224)	0.26598m(05041224)	0.27466 (07111824)	0.27751 (07111824)	0.28482 (07031524)
3745938.3	0.20097m(05041224)	0.21912m(05041224)	0.22199 (07111824)	0.22750 (07111824)	0.24711 (07031524)
3744938.3	0.18986m(05041224)	0.18810m(05041224)	0.18313 (07111824)	0.19735 (07111824)	0.21198 (07031524)
3743938.3	0.16414m(05041224)	0.16420m(05041224)	0.16329 (05032624)	0.17234 (07111824)	0.18196 (07031524)
3742938.3	0.14645m(05041224)	0.14413m(05041224)	0.14609 (05032624)	0.15268 (07111824)	0.16217 (07111824)
3741938.3	0.13190m(05041224)	0.12894m(05041224)	0.13137 (05032624)	0.13694 (05041424)	0.15604 (07111824)

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 491553.03	492553.03	493553.03	494553.03	495553.03

3767938.3	0.06920 (06012624)	0.05316 (06091724)	0.04373 (07081924)	0.05397 (07092424)	0.05123 (07092424)
3766938.3	0.07133 (06012624)	0.05926 (06091724)	0.06029 (07092424)	0.06730 (07092424)	0.06434 (06100924)
3765938.3	0.07962 (06112724)	0.06940 (07081924)	0.07064 (07092424)	0.08020 (06100924)	0.07022 (06100924)
3764938.3	0.08613 (05021424)	0.08919 (07092424)	0.08035 (06100924)	0.08384 (06100924)	0.07017 (06100924)
3763938.3	0.09760 (07081924)	0.09229 (05020924)	0.12101 (06100924)	0.08905 (06100924)	0.07102 (07101124)
3762938.3	0.11107 (07092424)	0.10677 (06100924)	0.12291 (06100924)	0.08053 (07101124)	0.07236 (05110424)
3761938.3	0.11791 (06100924)	0.12772 (06100924)	0.09074 (06100924)	0.08310 (06100924)	0.07970 (07110724)
3760938.3	0.14385 (06100924)	0.15842 (06100924)	0.10602 (05110424)	0.10256 (07110724)	0.08934 (07110724)
3759938.3	0.16037 (05103124)	0.13510 (05110724)	0.13186 (07110724)	0.10177 (07110724)	0.09780 (06100124)
3758938.3	0.19986 (05110424)	0.18667 (07110724)	0.13357 (06100124)	0.12357 (07122024)	0.11861 (07122024)
3757938.3	0.18513 (05102324)	0.15916 (06112724)	0.17847 (07082824)	0.15605 (07122024)	0.14165 (07122024)
3756938.3	0.26025 (06112724)	0.21589 (07082824)	0.21078 (07122024)	0.19496 (07122024)	0.14451 (07122024)
3755938.3	0.28696 (07122024)	0.26803 (07122024)	0.20008 (07082824)	0.20066 (07082824)	0.18627 (07122024)
3754938.3	0.41312 (07122024)	0.33058 (05032324)	0.29329 (05032324)	0.22304 (05032324)	0.19542 (05091024)
3753938.3	0.62207 (05032324)	0.55756 (05091024)	0.42830 (05091024)	0.40741 (05091024)	0.29968 (05091024)
3752938.3	1.74677 (06033124)	1.35327 (05091024)	0.68396 (05091024)	0.53155 (05091024)	0.40178 (05091024)
3751938.3	1.38091 (05030224)	1.04438 (07080124)	0.86388 (07031824)	0.62860 (06050324)	0.38382 (06050324)
3750938.3	0.69786 (05030224)	0.66292 (05030224)	0.76263 (07080124)	0.64598 (07080124)	0.50107 (07031824)
3749938.3	0.49172 (06091024)	0.45052 (06072124)	0.41533 (05030224)	0.43288 (07080124)	0.36525 (07080124)
3748938.3	0.41808 (06091024)	0.36226 (06072124)	0.32396 (07070724)	0.28597 (07041124)	0.33261 (06112324)
3747938.3	0.35875 (06091024)	0.31960 (06091024)	0.28179 (06072124)	0.25710 (07070724)	0.22428 (07041124)
3746938.3	0.30312 (06091024)	0.29946 (06091024)	0.23365 (06072124)	0.22613 (06072124)	0.21260 (07070724)
3745938.3	0.25314 (06091024)	0.27048 (06091024)	0.23748 (06091024)	0.19793 (05071124)	0.18729 (07070724)
3744938.3	0.22203 (07031524)	0.23638 (06091024)	0.22905 (06091024)	0.18307 (06091024)	0.17247 (05071124)
3743938.3	0.20000 (07031524)	0.20663 (06091024)	0.21559 (06091024)	0.18742 (06091024)	0.14642 (05071124)
3742938.3	0.18128 (07031524)	0.21599 (06091024)	0.14128 (06091024)	0.15346 (06091024)	0.15226 (06091024)
3741938.3	0.22657 (07031524)	0.17758 (07031524)	0.13816 (06091024)	0.12309 (06091024)	0.19746 (06091024)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 496553.03	497553.03	498553.03	499553.03	500553.03
3767938.3	0.05577 (06100924)	0.05763 (06100924)	0.04436 (06100924)	0.03586 (07051524)	0.03158 (05102224)
3766938.3	0.06047 (06100924)	0.05774 (06100924)	0.04639 (07101124)	0.03646 (05050224)	0.03612 (05050224)
3765938.3	0.06344 (06100924)	0.05978 (07101124)	0.04339 (05050224)	0.03464 (05110424)	0.03860 (07040724)
3764938.3	0.06507 (07101124)	0.05443 (07101124)	0.05027 (07072024)	0.04576 (07040724)	0.04270 (07040724)
3763938.3	0.06336 (07101124)	0.06097 (07072024)	0.06651 (07110724)	0.05877 (07110724)	0.05275 (06100124)
3762938.3	0.06801 (07072024)	0.07317 (07110724)	0.06675 (07110724)	0.06542 (06100124)	0.05295 (07022624)
3761938.3	0.08099 (07110724)	0.07298 (07021224)	0.07581 (06100124)	0.05615 (07022624)	0.04906 (05040824)
3760938.3	0.08725 (06100124)	0.07945 (06100124)	0.07079 (07022224)	0.07267 (07022224)	0.07269 (07022224)
3759938.3	0.08937 (07122024)	0.08751 (07022224)	0.08345 (07022624)	0.08805 (07022624)	0.08132 (07082824)
3758938.3	0.11396 (07122024)	0.10362 (07022624)	0.10079 (07082824)	0.09257 (07082824)	0.08769 (07122024)
3757938.3	0.12478 (07082824)	0.11622 (07122024)	0.10650 (07122024)	0.08829 (07122024)	0.07672 (05081424)
3756938.3	0.13589 (07082824)	0.11934 (07082824)	0.10667 (05032324)	0.10116 (05032324)	0.08971 (05032324)
3755938.3	0.15356 (05032324)	0.12918 (05032324)	0.10368 (05032324)	0.09220 (06050224)	0.09571 (06050224)
3754938.3	0.18665 (05091024)	0.17114 (05091024)	0.15392 (05091024)	0.13146 (05091024)	0.11822 (07071224)
3753938.3	0.23740 (05081524)	0.19931 (05081524)	0.17583 (05091024)	0.16260 (05091024)	0.14988 (05091024)
3752938.3	0.29906 (05091024)	0.26092 (05091024)	0.22146 (05091024)	0.19181 (05091024)	0.16485 (05091024)
3751938.3	0.25246 (06033124)	0.23931 (05102724)	0.22025 (05102724)	0.18808 (05102724)	0.15530 (05102724)
3750938.3	0.34501 (07031824)	0.28295 (07031824)	0.21582 (06050324)	0.17563 (06050324)	0.13474 (06050324)
3749938.3	0.34678 (07080124)	0.41449 (05080524)	0.30185 (05080524)	0.20920 (07031824)	0.17612 (07060124)
3748938.3	0.23895 (06112324)	0.33671 (07080124)	0.33996 (07080124)	0.26096 (05080524)	0.22198 (05080524)
3747938.3	0.28209 (05062624)	0.24677 (06112324)	0.32221 (07080124)	0.25761 (07080124)	0.21934 (07080124)
3746938.3	0.18438 (05062624)	0.16913 (05062624)	0.21590 (06112324)	0.17484 (05022524)	0.18302 (07080124)
3745938.3	0.18048 (07070724)	0.15555 (05062624)	0.14669 (05062624)	0.18409 (05030224)	0.19584 (05022524)
3744938.3	0.16271 (07070724)	0.15472 (07070724)	0.13279 (05062624)	0.12591 (05062624)	0.12261 (06112324)
3743938.3	0.15059 (05071124)	0.14288 (07070724)	0.13486 (07070724)	0.11607 (05062624)	0.11188 (05062624)
3742938.3	0.13384 (05071124)	0.13224 (05071124)	0.12706 (07070724)	0.11981 (07070724)	0.10427 (07070724)
3741938.3	0.12397 (06091024)	0.12115 (05071124)	0.11728 (05071124)	0.11414 (07070724)	0.10799 (07070724)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501553.03	502553.03	503553.03	504553.03	505553.03
3767938.3	0.02985 (05110424)	0.02425 (07040724)	0.01453 (06101424)	0.01204 (05012624)	0.01138 (05012624)
3766938.3	0.03273 (07040724)	0.01273 (05012624)	0.01244 (05012624)	0.01153 (05012624)	0.01227 (05011124)
3765938.3	0.03339 (07040724)	0.01374 (07022724)	0.01340 (05011124)	0.01458 (05011124)	0.01718 (05011124)
3764938.3	0.03165 (06051324)	0.02412 (05011124)	0.02473 (05011124)	0.02361 (06121024)	0.01811 (05011124)
3763938.3	0.04837 (07022624)	0.03436 (06100124)	0.03440 (06121024)	0.04006 (05040824)	0.03031 (05040824)
3762938.3	0.05018 (07022224)	0.05222 (07022224)	0.04738 (05040824)	0.04527 (05040824)	0.04075 (05040824)
3761938.3	0.06191 (07022224)	0.05069 (05040824)	0.05049 (05040824)	0.05029 (05040824)	0.04451 (05040824)
3760938.3	0.06179 (07022224)	0.06163 (06103024)	0.05377 (05040824)	0.04968 (05032324)	0.04806 (05032324)
3759938.3	0.07565 (07082824)	0.06636 (07122024)	0.05912 (07122024)	0.05681 (06041424)	0.04703 (06041424)
3758938.3	0.07761 (07122024)	0.06585 (07122024)	0.06378 (05081424)	0.05738 (05081424)	0.05492 (05032324)
3757938.3	0.07343 (05032324)	0.07233 (05032324)	0.06691 (05032324)	0.05607 (07071224)	0.05890 (07071224)

3756938.3	0.08239 (07071224)	0.07906 (07071224)	0.07220 (07071224)	0.06382 (07071224)	0.06298 (07043024)
3755938.3	0.09428 (06050224)	0.08779 (06050224)	0.07662 (06050224)	0.06925 (07041224)	0.06654 (07071224)
3754938.3	0.10191 (07071224)	0.08602 (07071224)	0.07571 (06081124)	0.06970 (05081524)	0.06670 (05091024)
3753938.3	0.13866 (05091024)	0.12829 (05091024)	0.11902 (05091024)	0.11038 (05091024)	0.10256 (05091024)
3752938.3	0.14334 (05091024)	0.12450 (05091024)	0.11050 (05091024)	0.10138 (07051724)	0.09583 (07051724)
3751938.3	0.12863 (05040424)	0.12084 (05040424)	0.11358 (05040424)	0.10591 (05040424)	0.09807 (07032524)
3750938.3	0.12897 (05081824)	0.12287 (05081824)	0.12148 (07043024)	0.11639 (07043024)	0.10586 (07043024)
3749938.3	0.14550 (07060124)	0.12647 (06050324)	0.11504 (06050324)	0.10041 (06050324)	0.08832 (05081824)
3748938.3	0.15552 (07031824)	0.15682 (07060124)	0.13937 (07060124)	0.12568 (07060124)	0.10746 (06050524)
3747938.3	0.19254 (05080524)	0.18562 (05080524)	0.17650 (05080524)	0.13549 (07060124)	0.14158 (07060124)
3746938.3	0.21880 (07080124)	0.17328 (07080124)	0.17831 (05080524)	0.21964 (05080524)	0.19612 (05080524)
3745938.3	0.21042 (05022524)	0.24130 (07080124)	0.21403 (07080124)	0.14128 (05052924)	0.11652 (05080524)
3744938.3	0.10490 (06112324)	0.12333 (05022524)	0.11986 (05022524)	0.12505 (07080124)	0.12909 (07080124)
3743938.3	0.14006 (05062624)	0.08793 (05030224)	0.08698 (05022524)	0.10604 (05022524)	0.09498 (07080124)
3742938.3	0.10158 (05062624)	0.14537 (05062624)	0.08390 (07052424)	0.06940 (05051724)	0.08378 (05022524)
3741938.3	0.09507 (07070724)	0.09256 (05062624)	0.08766 (05062624)	0.09727 (07071324)	0.06659 (05030224)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM10 - LST Assessment (No Refrigeration) *** 11:19:04
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71
3754634.4	1.16615 (07120324)	1.24369 (07120324)	1.30693 (07120324)	1.41828 (07120324)	1.52407 (07120324)
3754534.4	1.09578 (07120324)	1.16769 (07120324)	1.21807 (07120324)	1.30681 (07120324)	1.41861 (07120324)
3754434.4	1.02770 (07120324)	1.08926 (07120324)	1.15639 (07120324)	1.23097 (07120324)	1.31906 (07120324)
3754334.4	1.00322 (07120324)	1.05374 (07120324)	1.10563 (07120324)	1.17015 (07120324)	1.25965 (07120324)
3754234.4	1.00991 (07120324)	1.03858 (07120324)	1.09502 (07120324)	1.15787 (07120324)	1.23304 (07120324)
3754134.4	1.00567 (07120324)	1.07128 (07120324)	1.11190 (07120324)	1.16759 (07120324)	1.23158 (07120324)
3754034.4	1.01843 (07120324)	1.09464 (07120324)	1.13457 (07120324)	1.18042 (07120324)	1.23711 (07120324)
3753934.4	1.04427 (07120324)	1.10701 (07120324)	1.14811 (07120324)	1.19626 (07120324)	1.25127 (07120324)
3753834.4	1.05984 (07120324)	1.10403 (07120324)	1.14910 (07120324)	1.20093 (07120324)	1.26150 (07120324)
3753734.4	1.03390 (07120324)	1.08274 (07120324)	1.13313 (07120324)	1.19077 (07120324)	1.25357 (07120324)
3753634.4	0.99609 (06123124)	1.06624 (06123124)	1.07186 (07120324)	1.14998 (07120324)	1.21922 (07120324)
3753534.4	0.96393 (06123124)	0.96629 (06123124)	1.02089 (06123124)	1.14742 (06123124)	1.19539 (06123124)
3753434.4	0.86303 (06123124)	0.93749 (06123124)	1.00919 (06123124)	1.05764 (06123124)	1.13871 (06123124)
3753334.4	0.84538 (05021124)	0.87922 (05021124)	0.91264 (05021124)	0.96029 (05022224)	1.01787 (05022224)
3753234.4	0.85168 (05021124)	0.88247 (05021124)	0.92344 (05021124)	0.97155 (05021124)	1.01521 (05021124)
3753134.4	0.86608 (05021124)	0.89530 (05021124)	0.91965 (05021124)	0.95555 (05021124)	1.02033 (05021124)
3753034.4	0.84306 (05021124)	0.87002 (05021124)	0.91843 (05021124)	0.95007 (05021124)	1.00459 (05021124)
3752934.4	0.79595 (05021124)	0.82983 (05021124)	0.88092 (05021124)	0.90714 (05021124)	0.96535 (05021124)
3752834.4	0.78244 (05021124)	0.80849 (05021124)	0.84758 (05021124)	0.88253 (05021124)	0.92074 (05021124)
3752734.4	0.74776 (05021124)	0.78205 (05021124)	0.80261 (05021124)	0.83562 (05021124)	0.87002 (05021124)
3752634.4	0.72231 (05021124)	0.73810 (05021124)	0.77612 (05021124)	0.80117 (05021124)	0.82443 (05021124)
3752534.4	0.67953 (05021124)	0.69870 (05021124)	0.71627 (05021124)	0.75258 (05021124)	0.77275 (05021124)
3752434.4	0.63980 (05021124)	0.66959 (05021124)	0.68412 (05021124)	0.70709 (05021124)	0.73382 (05020324)
3752334.4	0.60304 (05021124)	0.62268 (05021124)	0.64911 (05020324)	0.67747 (05020324)	0.71361 (05020324)
3752234.4	0.57355 (05020324)	0.59959 (05020324)	0.63269 (05020324)	0.65815 (05020324)	0.68878 (05020324)
3752134.4	0.55721 (05020324)	0.58478 (05020324)	0.61051 (05020324)	0.63861 (05020324)	0.66942 (05020324)
3752034.4	0.54651 (05020324)	0.56970 (05020324)	0.58650 (05020324)	0.61411 (05020324)	0.64656 (05020324)
3751934.4	0.52580 (07011224)	0.54643 (07011224)	0.57064 (05020324)	0.59247 (05020324)	0.61747 (05020324)
3751834.4	0.51830 (07011224)	0.53826 (07011224)	0.55708 (07011224)	0.57654 (07011224)	0.59453 (05020324)
3751734.4	0.51419 (07011224)	0.52920 (07011224)	0.54397 (07011224)	0.56157 (07011224)	0.57166 (07011224)
3751634.4	0.49953 (07011224)	0.52688 (05110924)	0.53470 (07011224)	0.55396 (07011224)	0.57678 (07011224)
3751534.4	0.48911 (07011224)	0.51354 (07011224)	0.54149 (07011224)	0.55069 (07011224)	0.56026m(05012424)
3751434.4	0.49690m(05012424)	0.51235 (07011224)	0.52052m(05012424)	0.53130m(05012424)	0.54250m(05012424)
3751334.4	0.49011m(05012424)	0.50085m(05012424)	0.51364m(05012424)	0.52026m(05012424)	0.53183m(05012424)
3751234.4	0.48246m(05012424)	0.49558m(05012424)	0.50593m(05012424)	0.50481m(05012424)	0.48956m(05012424)
3751134.4	0.47951m(05012424)	0.49417m(05012424)	0.50149m(05012424)	0.43753m(05012424)	0.44333 (05011824)
3751034.4	0.47877m(05012424)	0.48122m(05012424)	0.43553m(05012424)	0.37907 (05011824)	0.40936 (05011824)
3750934.4	0.44134m(05012424)	0.43988m(05012424)	0.37188 (05011824)	0.35004 (05011824)	0.34123 (05011824)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM10 - LST Assessment (No Refrigeration) *** 11:19:04
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485051.71	485151.71	485251.71	485351.71	485451.71
3754634.4	1.62705 (07120324)	1.74795 (07120324)	1.88606 (07120324)	2.19097 (07120324)	2.90392 (07120324)
3754534.4	1.54946 (07120324)	1.67136 (07120324)	1.85739 (07120324)	2.12468 (07120324)	2.75420 (07120324)
3754434.4	1.41711 (07120324)	1.53979 (07120324)	1.70998 (07120324)	2.00753 (07120324)	2.77606 (07120324)
3754334.4	1.35398 (07120324)	1.46114 (07120324)	1.60371 (07120324)	1.87971 (07120324)	2.65259 (07120324)
3754234.4	1.31053 (07120324)	1.40942 (07120324)	1.52940 (07120324)	1.72490 (07120324)	2.22902 (07120324)
3754134.4	1.29737 (07120324)	1.38063 (07120324)	1.47282 (07120324)	1.61471 (07120324)	2.01749 (07120324)
3754034.4	1.30426 (07120324)	1.35911 (07120324)	1.46658 (07120324)	1.60330 (07120324)	1.95631 (07120324)
3753934.4	1.31864 (07120324)	1.38802 (07120324)	1.49374 (07120324)	1.64097 (07120324)	2.01591 (07120324)
3753834.4	1.33448 (07120324)	1.42129 (07120324)	1.52381 (07120324)	1.65015 (07120324)	2.04214 (07120324)
3753734.4	1.32007 (07120324)	1.42862 (07120324)	1.54467 (07120324)	1.70857 (07120324)	2.09648 (07120324)
3753634.4	1.29925 (07120324)	1.39904 (07120324)	1.52701 (07120324)	1.70655 (07120324)	2.08642 (07120324)
3753534.4	1.23324 (07120324)	1.32594 (07120324)	1.42087 (07120324)	1.62876 (07120324)	2.10668 (07120324)

3753434.4	1.19329 (06123124)	1.22868 (07120324)	1.33382 (07120324)	1.52858 (07120324)	1.94752 (07120324)
3753334.4	1.08782 (06123124)	1.15821 (05022224)	1.25042 (05022224)	1.41308 (07120324)	1.83683 (07120324)
3753234.4	1.06833 (05021124)	1.14847 (05021124)	1.23811 (05021124)	1.39628 (05021124)	1.71368 (05022224)
3753134.4	1.07819 (05021124)	1.16627 (05021124)	1.22800 (05021124)	1.35403 (05021124)	1.68145 (05021124)
3753034.4	1.05273 (05021124)	1.12453 (05021124)	1.18203 (05021124)	1.27460 (05021124)	1.39745 (05021124)
3752934.4	1.00533 (05021124)	1.06348 (05021124)	1.12419 (05021124)	1.17350 (05021124)	1.21890 (05021124)
3752834.4	0.95844 (05021124)	1.00682 (05021124)	1.07802 (05021124)	1.10650 (05021124)	1.17967 (05021124)
3752734.4	0.92038 (05021124)	0.94497 (05021124)	0.99939 (05021124)	1.04639 (05021124)	1.11408 (05021124)
3752634.4	0.89119 (05021124)	0.92021 (05021124)	0.94740 (05021124)	0.98142 (05021124)	1.05377 (05020324)
3752534.4	0.80355 (05021124)	0.85008 (05020324)	0.88765 (05020324)	0.94722 (05020324)	1.02286 (05020324)
3752434.4	0.76491 (05020324)	0.82456 (05020324)	0.85920 (05020324)	0.92828 (05020324)	1.00338 (05020324)
3752334.4	0.74884 (05020324)	0.79375 (05020324)	0.83720 (05020324)	0.89814 (05020324)	0.96104 (05020324)
3752234.4	0.71071 (05020324)	0.76581 (05020324)	0.80286 (05020324)	0.85897 (05020324)	0.91371 (05020324)
3752134.4	0.69881 (05020324)	0.73464 (05020324)	0.77653 (05020324)	0.80751 (05020324)	0.85886 (05020324)
3752034.4	0.66948 (05020324)	0.70477 (05020324)	0.72944 (05020324)	0.76667 (05020324)	0.81801 (05020324)
3751934.4	0.64607 (05020324)	0.65952 (05020324)	0.68281 (05020324)	0.73615 (05020324)	0.75479 (07011224)
3751834.4	0.61038 (07011224)	0.63600 (07011224)	0.67902 (07011224)	0.69132 (07011224)	0.66961 (05020124)
3751734.4	0.59222 (07011224)	0.62601 (07011224)	0.64657 (07011224)	0.63499m(05012424)	0.62477 (06022624)
3751634.4	0.58605m(05012424)	0.60621m(05012424)	0.60214m(05012424)	0.57290 (06022624)	0.53629 (06101824)
3751534.4	0.57724m(05012424)	0.57366m(05012424)	0.52332 (05011824)	0.46996 (06101824)	0.39640 (06101824)
3751434.4	0.53059m(05012424)	0.49437 (05011824)	0.43349 (06101824)	0.36781 (06101824)	0.35299 (06101824)
3751334.4	0.50065m(05012424)	0.44641 (05011824)	0.35412 (06101824)	0.33943 (06101824)	0.33451 (06101824)
3751234.4	0.45981 (05011824)	0.38793 (06101824)	0.33112 (06101824)	0.32687 (06101824)	0.31380 (06101824)
3751134.4	0.41384 (05011824)	0.37648 (06101824)	0.32592 (06101824)	0.31407 (06101824)	0.29537 (06101824)
3751034.4	0.36417 (06101824)	0.32850 (06101824)	0.30778 (06101824)	0.29850 (06101824)	0.29227 (06022624)
3750934.4	0.32513 (06101824)	0.30013 (06101824)	0.29714 (06101824)	0.28492 (06111124)	0.29421 (06022624)

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.9	1.74024 (07120324)	1.69299 (07120324)	1.85397 (07120324)	2.15627 (07120324)
3753334.9	1.66511 (06123124)	1.61279 (07120324)	1.80515 (07120324)	2.19092 (07120324)
3753234.9	1.56011 (06123124)	1.57745 (06123124)	1.67490 (07120324)	2.10969 (07120324)
3753134.9	1.46950 (07012424)	1.50334 (05021124)	1.70677 (05021124)	2.09596 (05021124)
3753034.9	1.37147 (07012424)	1.50614 (05021124)	1.68404 (05021124)	2.05859 (05021124)
3752934.9	1.31908 (05021124)	1.45008 (05021124)	1.61481 (05021124)	1.98140 (05021124)
3752834.9	1.28156 (05021124)	1.39036 (05021124)	1.58435 (05021124)	1.93558 (05021124)
3752734.9	1.22494 (05021124)	1.32691 (05021124)	1.49862 (05021124)	1.89547 (05020324)
3752634.9	1.14095 (05020324)	1.26420 (05020324)	1.46068 (05020324)	1.86076 (05020324)
3752534.9	1.11723 (05020324)	1.21360 (05020324)	1.38547 (05020324)	1.77263 (05020324)
3752434.9	1.08168 (05020324)	1.18192 (05020324)	1.36641 (05020324)	1.76482 (05020324)
3752334.9	1.04668 (05020324)	1.14502 (05020324)	1.31664 (05020324)	1.75614 (05020324)
3752234.9	0.97999 (05020324)	1.09614 (05020324)	1.25195 (05020324)	1.47336 (05020324)
3752134.9	0.93841 (05020324)	1.00977 (05020324)	1.08803 (05020324)	1.13463 (06011724)
3752034.9	0.83189 (05020324)	0.87194 (05020324)	0.90270 (06022624)	0.95619 (07102624)
3751934.9	0.72954 (05020124)	0.78561 (06022624)	0.78997 (06022624)	0.84870 (07102624)
3751834.9	0.69547 (06022624)	0.67076 (06022624)	0.66711 (07102624)	0.67891 (07102624)
3751734.9	0.61577 (06022624)	0.60810 (06101824)	0.58706 (07102624)	0.50440 (07102624)
3751634.9	0.52200 (06101824)	0.46166 (06011724)	0.49134 (07102624)	0.41275 (07102624)
3751534.9	0.38519 (06101824)	0.38917 (06011724)	0.41559 (07102624)	0.38174 (06111124)
3751434.9	0.33906 (06121824)	0.36562 (06011724)	0.36276 (07102624)	0.38827 (06111124)
3751334.9	0.32252 (05020324)	0.34929 (06011724)	0.33851 (06022624)	0.38759 (06022624)
3751234.9	0.31027 (06011724)	0.32898 (06011724)	0.35039 (06022624)	0.38579 (06022624)
3751134.9	0.30053 (06022624)	0.31221 (06022624)	0.35661 (06022624)	0.37363 (06022624)
3751034.9	0.30105 (06022624)	0.31204 (06022624)	0.35358 (06022624)	0.35022 (06022624)
3750934.9	0.29476 (06022624)	0.30696 (06022624)	0.33935 (06022624)	0.32486m(05012424)

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0112156 , L0112157 , L0112158 , L0112159 ,
L0112160 , L0112161 , L0112162 , L0112163 , L0112164 , L0112165 , L0112166 , L0112167 ,
L0112168 , L0112169 , L0112170 , L0112171 , L0112172 , L0112173 , L0112174 , L0112175 ,
L0112176 , L0112177 , L0112178 , L0112179 , L0112180 , L0112181 , L0112182 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
485619.40	3753969.72	1.65595	(07120324)	485712.99	3753961.92	1.66524	(07120324)
487190.85	3754410.34	10.81002	(05030224)	487194.75	3754289.46	6.90930	(07111824)
487268.83	3754090.60	4.36470	(07111824)	487483.30	3754102.29	2.96549	(05030224)

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 3 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID

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** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 8.0.7
** Lakes Environmental Software Inc.
** Date: 12/19/2012
** File: C:\MBA\Highland Fairview REV3 - All Sources\AERMOD-REV3\LST-AERMOD-2022\LST_PM25_REV3_NR_REV1\LST_PM25_REV3_NR_REV1.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE WLC Project-Related Operations - 2022
   TITLETWO PM2.5 - LST Assessment (No Refrigeration)
   MODELOPT CONC  FASTALL
   AVERTIME 24 ANNUAL
   URBANOPT 2000000
   POLLUTID PM_2.5
   RUNORNOT RUN
   ERRORFIL LST_PM25_REV3_NR_REV1.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION PHASE1       AREAPOLY   485577.456  3755020.364      527.630
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT01
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.00627
** Elevated
** Vertical Dimension = 1.60
** SZINIT = 0.37
** Nodes = 2
** 487123.57, 3755422.68, 541.00, 1.60, 27.35
** 487123.57, 3755095.72, 532.00, 1.60, 27.35
** ------------------------------------------------------------------------
   LOCATION L0114038     VOLUME   487123.570 3755406.219 540.55
   LOCATION L0114039     VOLUME   487123.570 3755347.411 538.93
   LOCATION L0114040     VOLUME   487123.570 3755288.602 537.31
   LOCATION L0114041     VOLUME   487123.570 3755229.793 535.69
   LOCATION L0114042     VOLUME   487123.570 3755170.984 534.07
   LOCATION L0114043     VOLUME   487123.570 3755112.176 532.45
** End of LINE VOLUME Source ID = SEGMENT01
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT02
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.0241
** Elevated
** Vertical Dimension = 1.60
** SZINIT = 0.37
** Nodes = 2
** 487126.15, 3755058.81, 532.00, 1.60, 30.03
** 487128.77, 3754444.85, 508.00, 1.60, 30.03
** ------------------------------------------------------------------------
   LOCATION L0114044     VOLUME   487126.220 3755042.351 531.36
   LOCATION L0114045     VOLUME   487126.496 3754977.791 528.83
   LOCATION L0114046     VOLUME   487126.772 3754913.230 526.31
   LOCATION L0114047     VOLUME   487127.048 3754848.670 523.79
   LOCATION L0114048     VOLUME   487127.324 3754784.110 521.26
   LOCATION L0114049     VOLUME   487127.600 3754719.550 518.74
   LOCATION L0114050     VOLUME   487127.876 3754654.990 516.21
   LOCATION L0114051     VOLUME   487128.151 3754590.429 513.69
   LOCATION L0114052     VOLUME   487128.427 3754525.869 511.17
   LOCATION L0114053     VOLUME   487128.703 3754461.309 508.64
** End of LINE VOLUME Source ID = SEGMENT02
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT03
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.0174
** Elevated
** Vertical Dimension = 1.60
** SZINIT = 0.37
** Nodes = 4
** 487123.53, 3754444.85, 511.00, 1.60, 18.01
** 486186.84, 3754452.72, 516.00, 1.60, 18.01
** 486042.53, 3754366.14, 509.00, 1.60, 18.01
** 486008.42, 3754297.92, 511.00, 1.60, 18.01
** ------------------------------------------------------------------------
   LOCATION L0112020     VOLUME   487113.771 3754444.931 507.75
   LOCATION L0112021     VOLUME   487075.047 3754445.256 511.34
   LOCATION L0112022     VOLUME   487036.323 3754445.582 512.10
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   LOCATION L0112023     VOLUME   486997.599 3754445.907 512.15
   LOCATION L0112024     VOLUME   486958.875 3754446.233 513.24
   LOCATION L0112025     VOLUME   486920.150 3754446.558 514.00
   LOCATION L0112026     VOLUME   486881.426 3754446.884 514.76
   LOCATION L0112027     VOLUME   486842.702 3754447.209 515.93
   LOCATION L0112028     VOLUME   486803.978 3754447.534 515.40
   LOCATION L0112029     VOLUME   486765.253 3754447.860 516.13
   LOCATION L0112030     VOLUME   486726.529 3754448.185 515.70
   LOCATION L0112031     VOLUME   486687.805 3754448.511 514.26
   LOCATION L0112032     VOLUME   486649.081 3754448.836 514.26
   LOCATION L0112033     VOLUME   486610.357 3754449.161 514.89
   LOCATION L0112034     VOLUME   486571.632 3754449.487 515.30
   LOCATION L0112035     VOLUME   486532.908 3754449.812 514.65
   LOCATION L0112036     VOLUME   486494.184 3754450.138 515.02
   LOCATION L0112037     VOLUME   486455.460 3754450.463 514.53
   LOCATION L0112038     VOLUME   486416.735 3754450.788 513.36
   LOCATION L0112039     VOLUME   486378.011 3754451.114 513.37
   LOCATION L0112040     VOLUME   486339.287 3754451.439 514.07
   LOCATION L0112041     VOLUME   486300.563 3754451.765 514.99
   LOCATION L0112042     VOLUME   486261.839 3754452.090 516.27
   LOCATION L0112043     VOLUME   486223.114 3754452.416 516.77
   LOCATION L0112044     VOLUME   486184.739 3754451.459 514.93
   LOCATION L0112045     VOLUME   486151.532 3754431.535 512.54
   LOCATION L0112046     VOLUME   486118.325 3754411.611 510.16
   LOCATION L0112047     VOLUME   486085.119 3754391.687 509.33
   LOCATION L0112048     VOLUME   486051.912 3754371.763 509.00
   LOCATION L0112049     VOLUME   486030.106 3754341.280 509.29
   LOCATION L0112050     VOLUME   486012.788 3754306.643 509.94
** End of LINE VOLUME Source ID = SEGMENT03
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT04
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.00228
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 3
** 486005.80, 3754303.17, 511.00, 1.30, 17.72
** 485997.93, 3753510.79, 496.00, 1.30, 17.72
** 486071.40, 3753390.09, 494.00, 1.30, 17.72
** ----------------------------------------------------------------------
   LOCATION L0112051     VOLUME   486005.704 3754293.411 510.63
   LOCATION L0112052     VOLUME   486005.326 3754255.321 509.54
   LOCATION L0112053     VOLUME   486004.948 3754217.231 507.64
   LOCATION L0112054     VOLUME   486004.569 3754179.142 507.85
   LOCATION L0112055     VOLUME   486004.191 3754141.052 508.00
   LOCATION L0112056     VOLUME   486003.812 3754102.962 506.84
   LOCATION L0112057     VOLUME   486003.434 3754064.872 506.32
   LOCATION L0112058     VOLUME   486003.056 3754026.782 505.20
   LOCATION L0112059     VOLUME   486002.677 3753988.692 504.96
   LOCATION L0112060     VOLUME   486002.299 3753950.603 504.05
   LOCATION L0112061     VOLUME   486001.921 3753912.513 503.42
   LOCATION L0112062     VOLUME   486001.542 3753874.423 502.15
   LOCATION L0112063     VOLUME   486001.164 3753836.333 500.88
   LOCATION L0112064     VOLUME   486000.785 3753798.243 499.60
   LOCATION L0112065     VOLUME   486000.407 3753760.153 499.65
   LOCATION L0112066     VOLUME   486000.029 3753722.064 501.86
   LOCATION L0112067     VOLUME   485999.650 3753683.974 501.59
   LOCATION L0112068     VOLUME   485999.272 3753645.884 499.01
   LOCATION L0112069     VOLUME   485998.894 3753607.794 496.47
   LOCATION L0112070     VOLUME   485998.515 3753569.704 495.96
   LOCATION L0112071     VOLUME   485998.137 3753531.614 496.53
   LOCATION L0112072     VOLUME   486006.906 3753496.041 495.32
   LOCATION L0112073     VOLUME   486026.712 3753463.503 492.84
   LOCATION L0112074     VOLUME   486046.518 3753430.965 491.43
   LOCATION L0112075     VOLUME   486066.323 3753398.427 492.30
** End of LINE VOLUME Source ID = SEGMENT04
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT05
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00504
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 4
** 486071.40, 3753390.09, 494.00, 1.30, 24.05
** 486147.48, 3753361.23, 495.00, 1.30, 24.05
** 486743.08, 3753353.36, 496.00, 1.30, 24.05
** 487118.28, 3753274.65, 490.00, 1.30, 24.05
** ----------------------------------------------------------------------
   LOCATION L0114054     VOLUME   486083.649 3753385.447 494.16
   LOCATION L0114055     VOLUME   486131.996 3753367.108 494.80
   LOCATION L0114056     VOLUME   486182.626 3753360.769 495.06
   LOCATION L0114057     VOLUME   486234.330 3753360.085 495.15
   LOCATION L0114058     VOLUME   486286.035 3753359.402 495.23
   LOCATION L0114059     VOLUME   486337.740 3753358.719 495.32
   LOCATION L0114060     VOLUME   486389.444 3753358.035 495.41
   LOCATION L0114061     VOLUME   486441.149 3753357.352 495.49
   LOCATION L0114062     VOLUME   486492.853 3753356.669 495.58
   LOCATION L0114063     VOLUME   486544.558 3753355.985 495.67
   LOCATION L0114064     VOLUME   486596.263 3753355.302 495.75
   LOCATION L0114065     VOLUME   486647.967 3753354.619 495.84
   LOCATION L0114066     VOLUME   486699.672 3753353.936 495.93
   LOCATION L0114067     VOLUME   486751.201 3753351.658 495.87
   LOCATION L0114068     VOLUME   486801.808 3753341.041 495.06
   LOCATION L0114069     VOLUME   486852.415 3753330.424 494.25
   LOCATION L0114070     VOLUME   486903.023 3753319.807 493.44
   LOCATION L0114071     VOLUME   486953.630 3753309.190 492.63
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   LOCATION L0114072     VOLUME   487004.238 3753298.573 491.82
   LOCATION L0114073     VOLUME   487054.845 3753287.956 491.01
   LOCATION L0114074     VOLUME   487105.453 3753277.340 490.21
** End of LINE VOLUME Source ID = SEGMENT05
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT06
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.0172
** Elevated
** Vertical Dimension = 1.60
** SZINIT = 0.37
** Nodes = 2
** 487123.53, 3754450.10, 512.00, 1.60, 29.19
** 487105.16, 3753287.77, 490.00, 1.60, 29.19
** ---------------------------------------------------------------------
   LOCATION L0114075     VOLUME   487123.266 3754433.639 511.69
   LOCATION L0114076     VOLUME   487122.275 3754370.893 510.50
   LOCATION L0114077     VOLUME   487121.283 3754308.148 509.31
   LOCATION L0114078     VOLUME   487120.292 3754245.403 508.13
   LOCATION L0114079     VOLUME   487119.300 3754182.658 506.94
   LOCATION L0114080     VOLUME   487118.309 3754119.913 505.75
   LOCATION L0114081     VOLUME   487117.317 3754057.168 504.56
   LOCATION L0114082     VOLUME   487116.326 3753994.422 503.38
   LOCATION L0114083     VOLUME   487115.334 3753931.677 502.19
   LOCATION L0114084     VOLUME   487114.343 3753868.932 501.00
   LOCATION L0114085     VOLUME   487113.351 3753806.187 499.81
   LOCATION L0114086     VOLUME   487112.360 3753743.442 498.62
   LOCATION L0114087     VOLUME   487111.369 3753680.697 497.44
   LOCATION L0114088     VOLUME   487110.377 3753617.951 496.25
   LOCATION L0114089     VOLUME   487109.386 3753555.206 495.06
   LOCATION L0114090     VOLUME   487108.394 3753492.461 493.87
   LOCATION L0114091     VOLUME   487107.403 3753429.716 492.69
   LOCATION L0114092     VOLUME   487106.411 3753366.971 491.50
   LOCATION L0114093     VOLUME   487105.420 3753304.226 490.31
** End of LINE VOLUME Source ID = SEGMENT06
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** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT07
** DESCRSRC
** PREFIX
** Length of Side = 32.92
** Configuration = Separated
** Emission Rate = 0.0121
** Elevated
** Vertical Dimension = 1.10
** SZINIT = 0.26
** Nodes = 2
** 487102.54, 3753300.89, 489.00, 1.10, 29.21
** 487105.16, 3752765.64, 483.00, 1.10, 29.21
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   LOCATION L0112116     VOLUME   487102.617 3753284.427 489.25
   LOCATION L0112117     VOLUME   487102.924 3753221.636 489.56
   LOCATION L0112118     VOLUME   487103.232 3753158.844 486.75
   LOCATION L0112119     VOLUME   487103.540 3753096.053 485.78
   LOCATION L0112120     VOLUME   487103.848 3753033.262 484.98
   LOCATION L0112121     VOLUME   487104.156 3752970.471 486.98
   LOCATION L0112122     VOLUME   487104.463 3752907.680 484.85
   LOCATION L0112123     VOLUME   487104.771 3752844.889 483.17
   LOCATION L0112124     VOLUME   487105.079 3752782.098 483.74
** End of LINE VOLUME Source ID = SEGMENT07
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** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT08
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.00706
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 3
** 486074.02, 3753392.72, 494.00, 1.30, 18.01
** 485979.56, 3753190.69, 490.00, 1.30, 18.01
** 485959.38, 3752271.31, 509.00, 1.30, 18.01
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   LOCATION L0112125     VOLUME   486069.888 3753383.881 492.66
   LOCATION L0112126     VOLUME   486053.485 3753348.798 491.27
   LOCATION L0112127     VOLUME   486037.083 3753313.715 490.52
   LOCATION L0112128     VOLUME   486020.680 3753278.632 490.29
   LOCATION L0112129     VOLUME   486004.278 3753243.549 490.00
   LOCATION L0112130     VOLUME   485987.875 3753208.466 489.60
   LOCATION L0112131     VOLUME   485979.144 3753171.590 489.02
   LOCATION L0112132     VOLUME   485978.294 3753132.871 488.12
   LOCATION L0112133     VOLUME   485977.445 3753094.153 488.21
   LOCATION L0112134     VOLUME   485976.595 3753055.434 489.37
   LOCATION L0112135     VOLUME   485975.745 3753016.715 490.11
   LOCATION L0112136     VOLUME   485974.895 3752977.997 490.00
   LOCATION L0112137     VOLUME   485974.045 3752939.278 489.00
   LOCATION L0112138     VOLUME   485973.195 3752900.559 489.00
   LOCATION L0112139     VOLUME   485972.345 3752861.841 489.00
   LOCATION L0112140     VOLUME   485971.495 3752823.122 489.00
   LOCATION L0112141     VOLUME   485970.646 3752784.403 488.77
   LOCATION L0112142     VOLUME   485969.796 3752745.684 487.04
   LOCATION L0112143     VOLUME   485968.946 3752706.966 485.22
   LOCATION L0112144     VOLUME   485968.096 3752668.247 486.17
   LOCATION L0112145     VOLUME   485967.246 3752629.528 488.82
   LOCATION L0112146     VOLUME   485966.396 3752590.810 490.12
   LOCATION L0112147     VOLUME   485965.546 3752552.091 495.23
   LOCATION L0112148     VOLUME   485964.696 3752513.372 496.37
   LOCATION L0112149     VOLUME   485963.846 3752474.654 496.10
   LOCATION L0112150     VOLUME   485962.997 3752435.935 496.42
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   LOCATION L0112151     VOLUME   485962.147 3752397.216 498.83
   LOCATION L0112152     VOLUME   485961.297 3752358.498 500.09
   LOCATION L0112153     VOLUME   485960.447 3752319.779 500.68
   LOCATION L0112154     VOLUME   485959.597 3752281.060 501.95
** End of LINE VOLUME Source ID = SEGMENT08
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** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT11
** DESCRSRC
** PREFIX
** Length of Side = 2.00
** Configuration = Separated
** Emission Rate = 0.00268
** Elevated
** Vertical Dimension = 1.30
** SZINIT = 0.30
** Nodes = 2
** 485510.85, 3754275.79, 515.00, 1.30, 1.86
** 485509.55, 3753074.46, 494.00, 1.30, 1.86
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   LOCATION L0114096     VOLUME   485510.838 3754266.798 514.84
   LOCATION L0114097     VOLUME   485510.834 3754262.800 514.77
   LOCATION L0114098     VOLUME   485510.830 3754258.802 514.70
   LOCATION L0114099     VOLUME   485510.825 3754254.804 514.63
   LOCATION L0114100     VOLUME   485510.821 3754250.807 514.56
   LOCATION L0114101     VOLUME   485510.817 3754246.809 514.49
   LOCATION L0114102     VOLUME   485510.812 3754242.811 514.42
   LOCATION L0114103     VOLUME   485510.808 3754238.813 514.35
   LOCATION L0114104     VOLUME   485510.804 3754234.816 514.28
   LOCATION L0114105     VOLUME   485510.799 3754230.818 514.21
   LOCATION L0114106     VOLUME   485510.795 3754226.820 514.14
   LOCATION L0114107     VOLUME   485510.791 3754222.822 514.07
   LOCATION L0114108     VOLUME   485510.786 3754218.824 514.00
   LOCATION L0114109     VOLUME   485510.782 3754214.827 513.93
   LOCATION L0114110     VOLUME   485510.778 3754210.829 513.86
   LOCATION L0114111     VOLUME   485510.773 3754206.831 513.79
   LOCATION L0114112     VOLUME   485510.769 3754202.833 513.72
   LOCATION L0114113     VOLUME   485510.765 3754198.836 513.65
   LOCATION L0114114     VOLUME   485510.760 3754194.838 513.58
   LOCATION L0114115     VOLUME   485510.756 3754190.840 513.51
   LOCATION L0114116     VOLUME   485510.752 3754186.842 513.45
   LOCATION L0114117     VOLUME   485510.747 3754182.845 513.38
   LOCATION L0114118     VOLUME   485510.743 3754178.847 513.31
   LOCATION L0114119     VOLUME   485510.739 3754174.849 513.24
   LOCATION L0114120     VOLUME   485510.734 3754170.851 513.17
   LOCATION L0114121     VOLUME   485510.730 3754166.853 513.10
   LOCATION L0114122     VOLUME   485510.726 3754162.856 513.03
   LOCATION L0114123     VOLUME   485510.721 3754158.858 512.96
   LOCATION L0114124     VOLUME   485510.717 3754154.860 512.89
   LOCATION L0114125     VOLUME   485510.713 3754150.862 512.82
   LOCATION L0114126     VOLUME   485510.708 3754146.865 512.75
   LOCATION L0114127     VOLUME   485510.704 3754142.867 512.68
   LOCATION L0114128     VOLUME   485510.700 3754138.869 512.61
   LOCATION L0114129     VOLUME   485510.695 3754134.871 512.54
   LOCATION L0114130     VOLUME   485510.691 3754130.874 512.47
   LOCATION L0114131     VOLUME   485510.687 3754126.876 512.40
   LOCATION L0114132     VOLUME   485510.682 3754122.878 512.33
   LOCATION L0114133     VOLUME   485510.678 3754118.880 512.26
   LOCATION L0114134     VOLUME   485510.674 3754114.882 512.19
   LOCATION L0114135     VOLUME   485510.669 3754110.885 512.12
   LOCATION L0114136     VOLUME   485510.665 3754106.887 512.05
   LOCATION L0114137     VOLUME   485510.661 3754102.889 511.98
   LOCATION L0114138     VOLUME   485510.656 3754098.891 511.91
   LOCATION L0114139     VOLUME   485510.652 3754094.894 511.84
   LOCATION L0114140     VOLUME   485510.648 3754090.896 511.77
   LOCATION L0114141     VOLUME   485510.643 3754086.898 511.70
   LOCATION L0114142     VOLUME   485510.639 3754082.900 511.63
   LOCATION L0114143     VOLUME   485510.635 3754078.902 511.56
   LOCATION L0114144     VOLUME   485510.630 3754074.905 511.49
   LOCATION L0114145     VOLUME   485510.626 3754070.907 511.42
   LOCATION L0114146     VOLUME   485510.622 3754066.909 511.35
   LOCATION L0114147     VOLUME   485510.617 3754062.911 511.28
   LOCATION L0114148     VOLUME   485510.613 3754058.914 511.21
   LOCATION L0114149     VOLUME   485510.609 3754054.916 511.14
   LOCATION L0114150     VOLUME   485510.604 3754050.918 511.07
   LOCATION L0114151     VOLUME   485510.600 3754046.920 511.00
   LOCATION L0114152     VOLUME   485510.596 3754042.923 510.93
   LOCATION L0114153     VOLUME   485510.591 3754038.925 510.86
   LOCATION L0114154     VOLUME   485510.587 3754034.927 510.79
   LOCATION L0114155     VOLUME   485510.583 3754030.929 510.72
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   LOCATION L0114158     VOLUME   485510.570 3754018.936 510.51
   LOCATION L0114159     VOLUME   485510.565 3754014.938 510.44
   LOCATION L0114160     VOLUME   485510.561 3754010.940 510.37
   LOCATION L0114161     VOLUME   485510.557 3754006.943 510.30
   LOCATION L0114162     VOLUME   485510.552 3754002.945 510.23
   LOCATION L0114163     VOLUME   485510.548 3753998.947 510.16
   LOCATION L0114164     VOLUME   485510.544 3753994.949 510.09
   LOCATION L0114165     VOLUME   485510.539 3753990.952 510.02
   LOCATION L0114166     VOLUME   485510.535 3753986.954 509.95
   LOCATION L0114167     VOLUME   485510.531 3753982.956 509.88
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   LOCATION L0114169     VOLUME   485510.522 3753974.960 509.74
   LOCATION L0114170     VOLUME   485510.518 3753970.963 509.67
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   LOCATION L0114172     VOLUME   485510.509 3753962.967 509.53
   LOCATION L0114173     VOLUME   485510.505 3753958.969 509.46
   LOCATION L0114174     VOLUME   485510.500 3753954.972 509.39
   LOCATION L0114175     VOLUME   485510.496 3753950.974 509.32
   LOCATION L0114176     VOLUME   485510.492 3753946.976 509.25
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   LOCATION L0114178     VOLUME   485510.483 3753938.981 509.11
   LOCATION L0114179     VOLUME   485510.479 3753934.983 509.04
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LOCATION	L0114182	VOLUME	485510.466	3753922.989	508.83
LOCATION	L0114183	VOLUME	485510.461	3753918.992	508.76
LOCATION	L0114184	VOLUME	485510.457	3753914.994	508.69
LOCATION	L0114185	VOLUME	485510.453	3753910.996	508.62
LOCATION	L0114186	VOLUME	485510.448	3753906.998	508.55
LOCATION	L0114187	VOLUME	485510.444	3753903.001	508.48
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LOCATION	L0114189	VOLUME	485510.435	3753895.005	508.34
LOCATION	L0114190	VOLUME	485510.431	3753891.007	508.27
LOCATION	L0114191	VOLUME	485510.427	3753887.010	508.20
LOCATION	L0114192	VOLUME	485510.422	3753883.012	508.13
LOCATION	L0114193	VOLUME	485510.418	3753879.014	508.06
LOCATION	L0114194	VOLUME	485510.414	3753875.016	507.99
LOCATION	L0114195	VOLUME	485510.409	3753871.018	507.92
LOCATION	L0114196	VOLUME	485510.405	3753867.021	507.85
LOCATION	L0114197	VOLUME	485510.401	3753863.023	507.78
LOCATION	L0114198	VOLUME	485510.396	3753859.025	507.71
LOCATION	L0114199	VOLUME	485510.392	3753855.027	507.64
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LOCATION	L0114206	VOLUME	485510.362	3753827.043	507.16
LOCATION	L0114207	VOLUME	485510.358	3753823.045	507.09
LOCATION	L0114208	VOLUME	485510.353	3753819.047	507.02
LOCATION	L0114209	VOLUME	485510.349	3753815.050	506.95
LOCATION	L0114210	VOLUME	485510.345	3753811.052	506.88
LOCATION	L0114211	VOLUME	485510.340	3753807.054	506.81
LOCATION	L0114212	VOLUME	485510.336	3753803.056	506.74
LOCATION	L0114213	VOLUME	485510.332	3753799.059	506.67
LOCATION	L0114214	VOLUME	485510.327	3753795.061	506.60
LOCATION	L0114215	VOLUME	485510.323	3753791.063	506.53
LOCATION	L0114216	VOLUME	485510.319	3753787.065	506.46
LOCATION	L0114217	VOLUME	485510.314	3753783.068	506.39
LOCATION	L0114218	VOLUME	485510.310	3753779.070	506.32
LOCATION	L0114219	VOLUME	485510.306	3753775.072	506.25
LOCATION	L0114220	VOLUME	485510.301	3753771.074	506.18
LOCATION	L0114221	VOLUME	485510.297	3753767.076	506.11
LOCATION	L0114222	VOLUME	485510.293	3753763.079	506.04
LOCATION	L0114223	VOLUME	485510.288	3753759.081	505.97
LOCATION	L0114224	VOLUME	485510.284	3753755.083	505.90
LOCATION	L0114225	VOLUME	485510.280	3753751.085	505.83
LOCATION	L0114226	VOLUME	485510.275	3753747.088	505.76
LOCATION	L0114227	VOLUME	485510.271	3753743.090	505.69
LOCATION	L0114228	VOLUME	485510.267	3753739.092	505.62
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LOCATION	L0114231	VOLUME	485510.254	3753727.099	505.41
LOCATION	L0114232	VOLUME	485510.249	3753723.101	505.34
LOCATION	L0114233	VOLUME	485510.245	3753719.103	505.27
LOCATION	L0114234	VOLUME	485510.241	3753715.105	505.20
LOCATION	L0114235	VOLUME	485510.236	3753711.108	505.13
LOCATION	L0114236	VOLUME	485510.232	3753707.110	505.06
LOCATION	L0114237	VOLUME	485510.228	3753703.112	504.99
LOCATION	L0114238	VOLUME	485510.223	3753699.114	504.92
LOCATION	L0114239	VOLUME	485510.219	3753695.117	504.85
LOCATION	L0114240	VOLUME	485510.215	3753691.119	504.78
LOCATION	L0114241	VOLUME	485510.210	3753687.121	504.71
LOCATION	L0114242	VOLUME	485510.206	3753683.123	504.64
LOCATION	L0114243	VOLUME	485510.202	3753679.125	504.57
LOCATION	L0114244	VOLUME	485510.197	3753675.128	504.50
LOCATION	L0114245	VOLUME	485510.193	3753671.130	504.43
LOCATION	L0114246	VOLUME	485510.189	3753667.132	504.36
LOCATION	L0114247	VOLUME	485510.184	3753663.134	504.29
LOCATION	L0114248	VOLUME	485510.180	3753659.137	504.22
LOCATION	L0114249	VOLUME	485510.176	3753655.139	504.15
LOCATION	L0114250	VOLUME	485510.171	3753651.141	504.08
LOCATION	L0114251	VOLUME	485510.167	3753647.143	504.01
LOCATION	L0114252	VOLUME	485510.163	3753643.146	503.94
LOCATION	L0114253	VOLUME	485510.158	3753639.148	503.87
LOCATION	L0114254	VOLUME	485510.154	3753635.150	503.80
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LOCATION	L0114258	VOLUME	485510.137	3753619.159	503.52
LOCATION	L0114259	VOLUME	485510.132	3753615.161	503.45
LOCATION	L0114260	VOLUME	485510.128	3753611.163	503.38
LOCATION	L0114261	VOLUME	485510.124	3753607.166	503.31
LOCATION	L0114262	VOLUME	485510.119	3753603.168	503.24
LOCATION	L0114263	VOLUME	485510.115	3753599.170	503.17
LOCATION	L0114264	VOLUME	485510.111	3753595.172	503.10
LOCATION	L0114265	VOLUME	485510.106	3753591.175	503.03
LOCATION	L0114266	VOLUME	485510.102	3753587.177	502.96
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LOCATION	L0114268	VOLUME	485510.093	3753579.181	502.82
LOCATION	L0114269	VOLUME	485510.089	3753575.183	502.75
LOCATION	L0114270	VOLUME	485510.085	3753571.186	502.68
LOCATION	L0114271	VOLUME	485510.080	3753567.188	502.61
LOCATION	L0114272	VOLUME	485510.076	3753563.190	502.54
LOCATION	L0114273	VOLUME	485510.072	3753559.192	502.47
LOCATION	L0114274	VOLUME	485510.067	3753555.195	502.40
LOCATION	L0114275	VOLUME	485510.063	3753551.197	502.33
LOCATION	L0114276	VOLUME	485510.059	3753547.199	502.26
LOCATION	L0114277	VOLUME	485510.054	3753543.201	502.19
LOCATION	L0114278	VOLUME	485510.050	3753539.204	502.12
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LOCATION	L0114281	VOLUME	485510.037	3753527.210	501.91
LOCATION	L0114282	VOLUME	485510.033	3753523.212	501.84
LOCATION	L0114283	VOLUME	485510.028	3753519.215	501.77
LOCATION	L0114284	VOLUME	485510.024	3753515.217	501.70
LOCATION	L0114285	VOLUME	485510.020	3753511.219	501.63

LOCATION	L0114286	VOLUME	485510.015	3753507.221	501.56
LOCATION	L0114287	VOLUME	485510.011	3753503.224	501.50
LOCATION	L0114288	VOLUME	485510.007	3753499.226	501.43
LOCATION	L0114289	VOLUME	485510.002	3753495.228	501.36
LOCATION	L0114290	VOLUME	485509.998	3753491.230	501.29
LOCATION	L0114291	VOLUME	485509.994	3753487.233	501.22
LOCATION	L0114292	VOLUME	485509.989	3753483.235	501.15
LOCATION	L0114293	VOLUME	485509.985	3753479.237	501.08
LOCATION	L0114294	VOLUME	485509.981	3753475.239	501.01
LOCATION	L0114295	VOLUME	485509.976	3753471.241	500.94
LOCATION	L0114296	VOLUME	485509.972	3753467.244	500.87
LOCATION	L0114297	VOLUME	485509.968	3753463.246	500.80
LOCATION	L0114298	VOLUME	485509.963	3753459.248	500.73
LOCATION	L0114299	VOLUME	485509.959	3753455.250	500.66
LOCATION	L0114300	VOLUME	485509.955	3753451.253	500.59
LOCATION	L0114301	VOLUME	485509.950	3753447.255	500.52
LOCATION	L0114302	VOLUME	485509.946	3753443.257	500.45
LOCATION	L0114303	VOLUME	485509.942	3753439.259	500.38
LOCATION	L0114304	VOLUME	485509.937	3753435.262	500.31
LOCATION	L0114305	VOLUME	485509.933	3753431.264	500.24
LOCATION	L0114306	VOLUME	485509.929	3753427.266	500.17
LOCATION	L0114307	VOLUME	485509.924	3753423.268	500.10
LOCATION	L0114308	VOLUME	485509.920	3753419.270	500.03
LOCATION	L0114309	VOLUME	485509.916	3753415.273	499.96
LOCATION	L0114310	VOLUME	485509.911	3753411.275	499.89
LOCATION	L0114311	VOLUME	485509.907	3753407.277	499.82
LOCATION	L0114312	VOLUME	485509.903	3753403.279	499.75
LOCATION	L0114313	VOLUME	485509.898	3753399.282	499.68
LOCATION	L0114314	VOLUME	485509.894	3753395.284	499.61
LOCATION	L0114315	VOLUME	485509.890	3753391.286	499.54
LOCATION	L0114316	VOLUME	485509.885	3753387.288	499.47
LOCATION	L0114317	VOLUME	485509.881	3753383.291	499.40
LOCATION	L0114318	VOLUME	485509.877	3753379.293	499.33
LOCATION	L0114319	VOLUME	485509.872	3753375.295	499.26
LOCATION	L0114320	VOLUME	485509.868	3753371.297	499.19
LOCATION	L0114321	VOLUME	485509.864	3753367.299	499.12
LOCATION	L0114322	VOLUME	485509.859	3753363.302	499.05
LOCATION	L0114323	VOLUME	485509.855	3753359.304	498.98
LOCATION	L0114324	VOLUME	485509.851	3753355.306	498.91
LOCATION	L0114325	VOLUME	485509.846	3753351.308	498.84
LOCATION	L0114326	VOLUME	485509.842	3753347.311	498.77
LOCATION	L0114327	VOLUME	485509.838	3753343.313	498.70
LOCATION	L0114328	VOLUME	485509.834	3753339.315	498.63
LOCATION	L0114329	VOLUME	485509.829	3753335.317	498.56
LOCATION	L0114330	VOLUME	485509.825	3753331.319	498.49
LOCATION	L0114331	VOLUME	485509.821	3753327.322	498.42
LOCATION	L0114332	VOLUME	485509.816	3753323.324	498.35
LOCATION	L0114333	VOLUME	485509.812	3753319.326	498.28
LOCATION	L0114334	VOLUME	485509.808	3753315.328	498.21
LOCATION	L0114335	VOLUME	485509.803	3753311.331	498.14
LOCATION	L0114336	VOLUME	485509.799	3753307.333	498.07
LOCATION	L0114337	VOLUME	485509.795	3753303.335	498.00
LOCATION	L0114338	VOLUME	485509.790	3753299.337	497.93
LOCATION	L0114339	VOLUME	485509.786	3753295.340	497.86
LOCATION	L0114340	VOLUME	485509.782	3753291.342	497.79
LOCATION	L0114341	VOLUME	485509.777	3753287.344	497.72
LOCATION	L0114342	VOLUME	485509.773	3753283.346	497.65
LOCATION	L0114343	VOLUME	485509.769	3753279.348	497.58
LOCATION	L0114344	VOLUME	485509.764	3753275.351	497.51
LOCATION	L0114345	VOLUME	485509.760	3753271.353	497.44
LOCATION	L0114346	VOLUME	485509.756	3753267.355	497.37
LOCATION	L0114347	VOLUME	485509.751	3753263.357	497.30
LOCATION	L0114348	VOLUME	485509.747	3753259.360	497.23
LOCATION	L0114349	VOLUME	485509.743	3753255.362	497.16
LOCATION	L0114350	VOLUME	485509.738	3753251.364	497.09
LOCATION	L0114351	VOLUME	485509.734	3753247.366	497.02
LOCATION	L0114352	VOLUME	485509.730	3753243.369	496.95
LOCATION	L0114353	VOLUME	485509.725	3753239.371	496.88
LOCATION	L0114354	VOLUME	485509.721	3753235.373	496.81
LOCATION	L0114355	VOLUME	485509.717	3753231.375	496.74
LOCATION	L0114356	VOLUME	485509.712	3753227.377	496.67
LOCATION	L0114357	VOLUME	485509.708	3753223.380	496.60
LOCATION	L0114358	VOLUME	485509.704	3753219.382	496.53
LOCATION	L0114359	VOLUME	485509.699	3753215.384	496.46
LOCATION	L0114360	VOLUME	485509.695	3753211.386	496.39
LOCATION	L0114361	VOLUME	485509.691	3753207.389	496.32
LOCATION	L0114362	VOLUME	485509.686	3753203.391	496.25
LOCATION	L0114363	VOLUME	485509.682	3753199.393	496.18
LOCATION	L0114364	VOLUME	485509.678	3753195.395	496.11
LOCATION	L0114365	VOLUME	485509.673	3753191.398	496.04
LOCATION	L0114366	VOLUME	485509.669	3753187.400	495.97
LOCATION	L0114367	VOLUME	485509.665	3753183.402	495.90
LOCATION	L0114368	VOLUME	485509.660	3753179.404	495.83
LOCATION	L0114369	VOLUME	485509.656	3753175.406	495.76
LOCATION	L0114370	VOLUME	485509.652	3753171.409	495.69
LOCATION	L0114371	VOLUME	485509.647	3753167.411	495.62
LOCATION	L0114372	VOLUME	485509.643	3753163.413	495.55
LOCATION	L0114373	VOLUME	485509.639	3753159.415	495.49
LOCATION	L0114374	VOLUME	485509.634	3753155.418	495.42
LOCATION	L0114375	VOLUME	485509.630	3753151.420	495.35
LOCATION	L0114376	VOLUME	485509.626	3753147.422	495.28
LOCATION	L0114377	VOLUME	485509.621	3753143.424	495.21
LOCATION	L0114378	VOLUME	485509.617	3753139.427	495.14
LOCATION	L0114379	VOLUME	485509.613	3753135.429	495.07
LOCATION	L0114380	VOLUME	485509.608	3753131.431	495.00
LOCATION	L0114381	VOLUME	485509.604	3753127.433	494.93
LOCATION	L0114382	VOLUME	485509.600	3753123.435	494.86
LOCATION	L0114383	VOLUME	485509.595	3753119.438	494.79
LOCATION	L0114384	VOLUME	485509.591	3753115.440	494.72
LOCATION	L0114385	VOLUME	485509.587	3753111.442	494.65
LOCATION	L0114386	VOLUME	485509.582	3753107.444	494.58
LOCATION	L0114387	VOLUME	485509.578	3753103.447	494.51
LOCATION	L0114388	VOLUME	485509.574	3753099.449	494.44
LOCATION	L0114389	VOLUME	485509.569	3753095.451	494.37
LOCATION	L0114390	VOLUME	485509.565	3753091.453	494.30
LOCATION	L0114391	VOLUME	485509.561	3753087.456	494.23

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   LOCATION L0114392     VOLUME   485509.556 3753083.458 494.16
   LOCATION L0114393     VOLUME   485509.552 3753079.460 494.09
   LOCATION L0114394     VOLUME   485509.548 3753075.462 494.02
** End of LINE VOLUME Source ID = SEGMENT11
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT12
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.00404
** Elevated
** Vertical Dimension = 1.50
** SZINIT = 0.35
** Nodes = 2
** 485533.45, 3755091.71, 532.00, 1.50, 15.63
** 485515.75, 3754268.39, 515.00, 1.50, 15.63
** ---------------------------------------------------------------------
   LOCATION L0113686     VOLUME   485533.265 3755083.180 531.19
   LOCATION L0113687     VOLUME   485532.543 3755049.586 528.80
   LOCATION L0113688     VOLUME   485531.821 3755015.992 528.21
   LOCATION L0113689     VOLUME   485531.099 3754982.399 528.02
   LOCATION L0113690     VOLUME   485530.377 3754948.805 526.65
   LOCATION L0113691     VOLUME   485529.654 3754915.211 525.38
   LOCATION L0113692     VOLUME   485528.932 3754881.617 522.89
   LOCATION L0113693     VOLUME   485528.210 3754848.023 520.45
   LOCATION L0113694     VOLUME   485527.488 3754814.429 523.22
   LOCATION L0113695     VOLUME   485526.766 3754780.835 526.04
   LOCATION L0113696     VOLUME   485526.044 3754747.241 526.70
   LOCATION L0113697     VOLUME   485525.321 3754713.647 524.19
   LOCATION L0113698     VOLUME   485524.599 3754680.053 521.85
   LOCATION L0113699     VOLUME   485523.877 3754646.460 521.76
   LOCATION L0113700     VOLUME   485523.155 3754612.866 522.11
   LOCATION L0113701     VOLUME   485522.433 3754579.272 522.18
   LOCATION L0113702     VOLUME   485521.711 3754545.678 519.09
   LOCATION L0113703     VOLUME   485520.988 3754512.084 515.25
   LOCATION L0113704     VOLUME   485520.266 3754478.490 514.73
   LOCATION L0113705     VOLUME   485519.544 3754444.896 516.68
   LOCATION L0113706     VOLUME   485518.822 3754411.302 517.04
   LOCATION L0113707     VOLUME   485518.100 3754377.708 515.99
   LOCATION L0113708     VOLUME   485517.378 3754344.114 515.07
   LOCATION L0113709     VOLUME   485516.655 3754310.520 515.00
   LOCATION L0113710     VOLUME   485515.933 3754276.927 514.56
** End of LINE VOLUME Source ID = SEGMENT12
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT14
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00565
** Elevated
** Vertical Dimension = 1.50
** SZINIT = 0.35
** Nodes = 2
** 485503.72, 3755054.30, 532.00, 1.50, 23.83
** 486400.84, 3755050.67, 532.00, 1.50, 23.83
** ---------------------------------------------------------------------
   LOCATION L0113711     VOLUME   485516.820 3755054.250 529.90
   LOCATION L0113712     VOLUME   485568.051 3755054.043 528.58
   LOCATION L0113713     VOLUME   485619.281 3755053.835 530.77
   LOCATION L0113714     VOLUME   485670.512 3755053.628 532.50
   LOCATION L0113715     VOLUME   485721.742 3755053.421 534.25
   LOCATION L0113716     VOLUME   485772.972 3755053.213 531.14
   LOCATION L0113717     VOLUME   485824.203 3755053.006 529.49
   LOCATION L0113718     VOLUME   485875.433 3755052.798 529.85
   LOCATION L0113719     VOLUME   485926.663 3755052.591 530.93
   LOCATION L0113720     VOLUME   485977.894 3755052.384 529.69
   LOCATION L0113721     VOLUME   486029.124 3755052.176 529.39
   LOCATION L0113722     VOLUME   486080.355 3755051.969 529.54
   LOCATION L0113723     VOLUME   486131.585 3755051.761 529.54
   LOCATION L0113724     VOLUME   486182.815 3755051.554 530.26
   LOCATION L0113725     VOLUME   486234.046 3755051.346 527.40
   LOCATION L0113726     VOLUME   486285.276 3755051.139 527.00
   LOCATION L0113727     VOLUME   486336.506 3755050.932 526.50
   LOCATION L0113728     VOLUME   486387.737 3755050.724 527.33
** End of LINE VOLUME Source ID = SEGMENT14
** ---------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT15
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00398
** Elevated
** Vertical Dimension = 1.60
** SZINIT = 0.37
** Nodes = 2
** 486385.45, 3755051.87, 530.00, 1.60, 23.51
** 487119.32, 3755045.18, 533.00, 1.60, 23.51
** ---------------------------------------------------------------------
   LOCATION L0114395     VOLUME   486398.558 3755051.755 530.05
   LOCATION L0114396     VOLUME   486449.105 3755051.294 530.26
   LOCATION L0114397     VOLUME   486499.652 3755050.833 530.47
   LOCATION L0114398     VOLUME   486550.198 3755050.372 530.67
   LOCATION L0114399     VOLUME   486600.745 3755049.911 530.88
   LOCATION L0114400     VOLUME   486651.292 3755049.450 531.09
   LOCATION L0114401     VOLUME   486701.838 3755048.989 531.29
   LOCATION L0114402     VOLUME   486752.385 3755048.528 531.50
   LOCATION L0114403     VOLUME   486802.931 3755048.067 531.71
   LOCATION L0114404     VOLUME   486853.478 3755047.607 531.91
   LOCATION L0114405     VOLUME   486904.025 3755047.146 532.12
   LOCATION L0114406     VOLUME   486954.571 3755046.685 532.33
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   LOCATION L0114407     VOLUME   487005.118 3755046.224 532.53
   LOCATION L0114408     VOLUME   487055.665 3755045.763 532.74
   LOCATION L0114409     VOLUME   487106.211 3755045.302 532.95
** End of LINE VOLUME Source ID = SEGMENT15
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT18
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00187
** Elevated
** Vertical Dimension = 1.60
** SZINIT = 0.37
** Nodes = 5
** 487138.06, 3755042.91, 533.00, 1.60, 23.38
** 487300.89, 3755033.99, 529.00, 1.60, 23.38
** 487535.10, 3754996.07, 529.00, 1.60, 23.38
** 487711.32, 3755000.53, 525.00, 1.60, 23.38
** 487907.61, 3754947.00, 526.00, 1.60, 23.38
** ----------------------------------------------------------------------
   LOCATION L0113744     VOLUME   487151.146 3755042.194 530.63
   LOCATION L0113745     VOLUME   487201.328 3755039.444 528.00
   LOCATION L0113746     VOLUME   487251.510 3755036.694 528.53
   LOCATION L0113747     VOLUME   487301.683 3755033.861 528.59
   LOCATION L0113748     VOLUME   487351.295 3755025.828 526.03
   LOCATION L0113749     VOLUME   487400.906 3755017.796 524.56
   LOCATION L0113750     VOLUME   487450.518 3755009.764 524.36
   LOCATION L0113751     VOLUME   487500.129 3755001.731 526.00
   LOCATION L0113752     VOLUME   487549.926 3754996.444 528.33
   LOCATION L0113753     VOLUME   487600.167 3754997.716 529.25
   LOCATION L0113754     VOLUME   487650.409 3754998.988 526.24
   LOCATION L0113755     VOLUME   487700.650 3755000.260 522.97
   LOCATION L0113756     VOLUME   487749.509 3754990.115 522.29
   LOCATION L0113757     VOLUME   487797.996 3754976.891 523.27
   LOCATION L0113758     VOLUME   487846.482 3754963.667 524.09
   LOCATION L0113759     VOLUME   487894.969 3754950.444 525.82
** End of LINE VOLUME Source ID = SEGMENT18
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT18A
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00077
** Elevated
** Vertical Dimension = 1.50
** SZINIT = 0.35
** Nodes = 5
** 487908.51, 3754945.43, 526.00, 1.50, 24.10
** 488040.12, 3754869.59, 520.00, 1.50, 24.10
** 488173.95, 3754769.21, 522.00, 1.50, 24.10
** 488301.10, 3754733.52, 523.00, 1.50, 24.10
** 488497.39, 3754720.14, 526.00, 1.50, 24.10
** ----------------------------------------------------------------------
   LOCATION L0113760     VOLUME   487919.867 3754938.887 524.63
   LOCATION L0113761     VOLUME   487964.761 3754913.016 521.91
   LOCATION L0113762     VOLUME   488009.655 3754887.144 519.81
   LOCATION L0113763     VOLUME   488053.443 3754859.596 519.44
   LOCATION L0113764     VOLUME   488094.895 3754828.507 519.17
   LOCATION L0113765     VOLUME   488136.347 3754797.418 520.48
   LOCATION L0113766     VOLUME   488178.582 3754767.914 521.23
   LOCATION L0113767     VOLUME   488228.469 3754753.911 522.90
   LOCATION L0113768     VOLUME   488278.356 3754739.908 523.05
   LOCATION L0113769     VOLUME   488329.227 3754731.607 521.54
   LOCATION L0113770     VOLUME   488380.922 3754728.082 523.90
   LOCATION L0113771     VOLUME   488432.617 3754724.557 527.97
   LOCATION L0113772     VOLUME   488484.312 3754721.033 524.82
** End of LINE VOLUME Source ID = SEGMENT18A
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT19
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.00657
** Elevated
** Vertical Dimension = 1.60
** SZINIT = 0.37
** Nodes = 6
** 487121.55, 3754448.99, 511.00, 1.60, 17.64
** 487583.28, 3754424.46, 510.00, 1.60, 17.64
** 487714.88, 3754428.92, 512.00, 1.60, 17.64
** 487795.18, 3754451.22, 513.00, 1.60, 17.64
** 488303.76, 3754442.30, 511.00, 1.60, 17.64
** 488433.13, 3754346.39, 506.00, 1.60, 17.64
** ----------------------------------------------------------------------
   LOCATION L0112242     VOLUME   487131.288 3754448.475 506.58
   LOCATION L0112243     VOLUME   487169.165 3754446.462 506.00
   LOCATION L0112244     VOLUME   487207.043 3754444.450 508.12
   LOCATION L0112245     VOLUME   487244.921 3754442.437 509.08
   LOCATION L0112246     VOLUME   487282.799 3754440.424 509.78
   LOCATION L0112247     VOLUME   487320.677 3754438.411 509.05
   LOCATION L0112248     VOLUME   487358.555 3754436.398 509.37
   LOCATION L0112249     VOLUME   487396.433 3754434.385 510.45
   LOCATION L0112250     VOLUME   487434.310 3754432.373 509.94
   LOCATION L0112251     VOLUME   487472.188 3754430.360 509.38
   LOCATION L0112252     VOLUME   487510.066 3754428.347 509.95
   LOCATION L0112253     VOLUME   487547.944 3754426.334 510.22
   LOCATION L0112254     VOLUME   487585.824 3754424.543 509.56
   LOCATION L0112255     VOLUME   487623.733 3754425.828 510.12
   LOCATION L0112256     VOLUME   487661.643 3754427.113 510.71
   LOCATION L0112257     VOLUME   487699.553 3754428.398 510.44
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   LOCATION L0112258     VOLUME   487736.651 3754434.965 510.81
   LOCATION L0112259     VOLUME   487773.198 3754445.117 510.41
   LOCATION L0112260     VOLUME   487810.295 3754450.958 509.88
   LOCATION L0112261     VOLUME   487848.220 3754450.293 509.77
   LOCATION L0112262     VOLUME   487886.146 3754449.628 508.53
   LOCATION L0112263     VOLUME   487924.071 3754448.962 507.74
   LOCATION L0112264     VOLUME   487961.997 3754448.297 508.40
   LOCATION L0112265     VOLUME   487999.922 3754447.632 509.00
   LOCATION L0112266     VOLUME   488037.848 3754446.966 508.07
   LOCATION L0112267     VOLUME   488075.773 3754446.301 507.15
   LOCATION L0112268     VOLUME   488113.698 3754445.635 508.18
   LOCATION L0112269     VOLUME   488151.624 3754444.970 508.31
   LOCATION L0112270     VOLUME   488189.549 3754444.305 509.27
   LOCATION L0112271     VOLUME   488227.475 3754443.639 510.36
   LOCATION L0112272     VOLUME   488265.400 3754442.974 510.66
   LOCATION L0112273     VOLUME   488303.326 3754442.309 510.94
   LOCATION L0112274     VOLUME   488333.881 3754419.967 509.27
   LOCATION L0112275     VOLUME   488364.352 3754397.376 506.49
   LOCATION L0112276     VOLUME   488394.822 3754374.786 504.46
   LOCATION L0112277     VOLUME   488425.293 3754352.196 504.99
** End of LINE VOLUME Source ID = SEGMENT19
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT20
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.00154
** Elevated
** Vertical Dimension = 1.40
** SZINIT = 0.33
** Nodes = 3
** 488428.67, 3754348.62, 506.00, 1.40, 18.04
** 488457.67, 3754308.47, 506.00, 1.40, 18.04
** 488457.67, 3753291.32, 483.00, 1.40, 18.04
** ----------------------------------------------------------------------
   LOCATION L0112278     VOLUME   488434.379 3754340.708 505.31
   LOCATION L0112279     VOLUME   488457.087 3754309.267 506.00
   LOCATION L0112280     VOLUME   488457.666 3754270.671 506.00
   LOCATION L0112281     VOLUME   488457.666 3754231.887 505.06
   LOCATION L0112282     VOLUME   488457.666 3754193.103 501.00
   LOCATION L0112283     VOLUME   488457.666 3754154.319 501.52
   LOCATION L0112284     VOLUME   488457.666 3754115.535 503.63
   LOCATION L0112285     VOLUME   488457.666 3754076.751 502.89
   LOCATION L0112286     VOLUME   488457.666 3754037.968 502.00
   LOCATION L0112287     VOLUME   488457.666 3753999.184 502.00
   LOCATION L0112288     VOLUME   488457.666 3753960.400 502.00
   LOCATION L0112289     VOLUME   488457.666 3753921.616 500.44
   LOCATION L0112290     VOLUME   488457.666 3753882.832 498.43
   LOCATION L0112291     VOLUME   488457.666 3753844.049 497.13
   LOCATION L0112292     VOLUME   488457.666 3753805.265 496.84
   LOCATION L0112293     VOLUME   488457.666 3753766.481 496.00
   LOCATION L0112294     VOLUME   488457.666 3753727.697 495.26
   LOCATION L0112295     VOLUME   488457.666 3753688.913 493.93
   LOCATION L0112296     VOLUME   488457.666 3753650.130 491.01
   LOCATION L0112297     VOLUME   488457.666 3753611.346 488.38
   LOCATION L0112298     VOLUME   488457.666 3753572.562 488.00
   LOCATION L0112299     VOLUME   488457.666 3753533.778 488.00
   LOCATION L0112300     VOLUME   488457.666 3753494.994 488.00
   LOCATION L0112301     VOLUME   488457.666 3753456.211 487.21
   LOCATION L0112302     VOLUME   488457.666 3753417.427 485.91
   LOCATION L0112303     VOLUME   488457.666 3753378.643 485.38
   LOCATION L0112304     VOLUME   488457.666 3753339.859 483.99
   LOCATION L0112305     VOLUME   488457.666 3753301.075 482.04
** End of LINE VOLUME Source ID = SEGMENT20
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT21
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00635
** Elevated
** Vertical Dimension = 1.50
** SZINIT = 0.35
** Nodes = 2
** 487098.48, 3753294.03, 491.00, 1.50, 22.81
** 487762.08, 3753289.01, 485.00, 1.50, 22.81
** ----------------------------------------------------------------------
   LOCATION L0114410     VOLUME   487111.587 3753293.935 490.88
   LOCATION L0114411     VOLUME   487160.618 3753293.563 490.44
   LOCATION L0114412     VOLUME   487209.648 3753293.192 489.99
   LOCATION L0114413     VOLUME   487258.678 3753292.820 489.55
   LOCATION L0114414     VOLUME   487307.708 3753292.449 489.11
   LOCATION L0114415     VOLUME   487356.738 3753292.077 488.66
   LOCATION L0114416     VOLUME   487405.769 3753291.706 488.22
   LOCATION L0114417     VOLUME   487454.799 3753291.335 487.78
   LOCATION L0114418     VOLUME   487503.829 3753290.963 487.34
   LOCATION L0114419     VOLUME   487552.859 3753290.592 486.89
   LOCATION L0114420     VOLUME   487601.890 3753290.220 486.45
   LOCATION L0114421     VOLUME   487650.920 3753289.849 486.01
   LOCATION L0114422     VOLUME   487699.950 3753289.477 485.56
   LOCATION L0114423     VOLUME   487748.980 3753289.106 485.12
** End of LINE VOLUME Source ID = SEGMENT21
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT22
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00658
** Elevated
** Vertical Dimension = 1.50
```

```
** SZINIT = 0.35
** Nodes = 2
** 487752.03, 3753289.01, 485.00, 1.50, 24.24
** 488455.85, 3753289.01, 483.00, 1.50, 24.24
** ----------------------------------------------------------------------
   LOCATION L0112320     VOLUME   487765.135 3753289.007 484.00
   LOCATION L0112321     VOLUME   487817.259 3753289.007 485.27
   LOCATION L0112322     VOLUME   487869.383 3753289.007 483.15
   LOCATION L0112323     VOLUME   487921.507 3753289.007 482.97
   LOCATION L0112324     VOLUME   487973.631 3753289.007 484.84
   LOCATION L0112325     VOLUME   488025.755 3753289.007 485.63
   LOCATION L0112326     VOLUME   488077.879 3753289.007 485.37
   LOCATION L0112327     VOLUME   488130.002 3753289.007 485.63
   LOCATION L0112328     VOLUME   488182.126 3753289.007 485.63
   LOCATION L0112329     VOLUME   488234.250 3753289.007 486.33
   LOCATION L0112330     VOLUME   488286.374 3753289.007 484.87
   LOCATION L0112331     VOLUME   488338.498 3753289.007 484.37
   LOCATION L0112332     VOLUME   488390.622 3753289.007 484.55
   LOCATION L0112333     VOLUME   488442.746 3753289.007 483.27
** End of LINE VOLUME Source ID = SEGMENT22
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT23
** DESCRSRC
** PREFIX
** Length of Side = 19.51
** Configuration = Separated
** Emission Rate = 0.018
** Elevated
** Vertical Dimension = 1.10
** SZINIT = 0.26
** Nodes = 2
** 488445.80, 3753299.06, 484.00, 1.10, 18.10
** 488450.82, 3752851.63, 480.00, 1.10, 18.10
** ----------------------------------------------------------------------
   LOCATION L0112334     VOLUME   488445.906 3753289.307 481.64
   LOCATION L0112335     VOLUME   488446.343 3753250.405 481.00
   LOCATION L0112336     VOLUME   488446.780 3753211.503 480.05
   LOCATION L0112337     VOLUME   488447.217 3753172.601 479.00
   LOCATION L0112338     VOLUME   488447.654 3753133.700 478.46
   LOCATION L0112339     VOLUME   488448.091 3753094.798 478.00
   LOCATION L0112340     VOLUME   488448.528 3753055.896 477.00
   LOCATION L0112341     VOLUME   488448.966 3753016.994 477.00
   LOCATION L0112342     VOLUME   488449.403 3752978.092 477.73
   LOCATION L0112343     VOLUME   488449.840 3752939.190 478.97
   LOCATION L0112344     VOLUME   488450.277 3752900.289 478.00
   LOCATION L0112345     VOLUME   488450.714 3752861.387 478.00
** End of LINE VOLUME Source ID = SEGMENT23
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT24
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00837
** Elevated
** Vertical Dimension = 1.50
** SZINIT = 0.35
** Nodes = 2
** 488450.82, 3753299.06, 483.00, 1.50, 23.53
** 489893.66, 3753294.03, 493.00, 1.50, 23.53
** ----------------------------------------------------------------------
   LOCATION L0113787     VOLUME   488463.928 3753299.016 481.83
   LOCATION L0113788     VOLUME   488514.522 3753298.839 480.92
   LOCATION L0113789     VOLUME   488565.116 3753298.663 482.30
   LOCATION L0113790     VOLUME   488615.709 3753298.487 484.06
   LOCATION L0113791     VOLUME   488666.303 3753298.310 483.24
   LOCATION L0113792     VOLUME   488716.897 3753298.134 482.04
   LOCATION L0113793     VOLUME   488767.490 3753297.958 482.14
   LOCATION L0113794     VOLUME   488818.084 3753297.782 481.14
   LOCATION L0113795     VOLUME   488868.678 3753297.605 482.05
   LOCATION L0113796     VOLUME   488919.271 3753297.429 483.39
   LOCATION L0113797     VOLUME   488969.865 3753297.253 485.90
   LOCATION L0113798     VOLUME   489020.459 3753297.076 484.22
   LOCATION L0113799     VOLUME   489071.052 3753296.900 484.83
   LOCATION L0113800     VOLUME   489121.646 3753296.724 484.90
   LOCATION L0113801     VOLUME   489172.240 3753296.548 486.48
   LOCATION L0113802     VOLUME   489222.833 3753296.371 491.61
   LOCATION L0113803     VOLUME   489273.427 3753296.195 494.43
   LOCATION L0113804     VOLUME   489324.020 3753296.019 490.50
   LOCATION L0113805     VOLUME   489374.614 3753295.842 489.14
   LOCATION L0113806     VOLUME   489425.208 3753295.666 490.32
   LOCATION L0113807     VOLUME   489475.801 3753295.490 490.16
   LOCATION L0113808     VOLUME   489526.395 3753295.314 490.47
   LOCATION L0113809     VOLUME   489576.989 3753295.137 493.03
   LOCATION L0113810     VOLUME   489627.582 3753294.961 493.36
   LOCATION L0113811     VOLUME   489678.176 3753294.785 495.58
   LOCATION L0113812     VOLUME   489728.770 3753294.608 496.83
   LOCATION L0113813     VOLUME   489779.363 3753294.432 493.43
   LOCATION L0113814     VOLUME   489829.957 3753294.256 489.16
   LOCATION L0113815     VOLUME   489880.551 3753294.080 491.63
** End of LINE VOLUME Source ID = SEGMENT24
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT25
** DESCRSRC
** PREFIX
** Length of Side = 26.21
** Configuration = Separated
** Emission Rate = 0.00338
** Elevated
** Vertical Dimension = 1.50
** SZINIT = 0.35
** Nodes = 3
** 489888.63, 3753289.01, 493.00, 1.50, 22.24
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** 489959.01, 3753319.17, 494.00, 1.50, 22.24
** 490099.77, 3753444.85, 504.00, 1.50, 22.24
** ----------------------------------------------------------------------
   LOCATION L0114424     VOLUME   489900.674 3753294.169 493.17
   LOCATION L0114425     VOLUME   489944.622 3753313.004 493.80
   LOCATION L0114426     VOLUME   489983.000 3753340.589 495.70
   LOCATION L0114427     VOLUME   490018.666 3753372.434 498.24
   LOCATION L0114428     VOLUME   490054.332 3753404.279 500.77
   LOCATION L0114429     VOLUME   490089.999 3753436.124 503.31
** End of LINE VOLUME Source ID = SEGMENT25
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT26
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.0162
** Elevated
** Vertical Dimension = 1.10
** SZINIT = 0.26
** Nodes = 2
** 489898.68, 3753289.01, 493.00, 1.10, 15.51
** 489903.71, 3752871.74, 482.00, 1.10, 15.51
** ----------------------------------------------------------------------
   LOCATION L0112381     VOLUME   489898.786 3753280.472 492.29
   LOCATION L0112382     VOLUME   489899.187 3753247.123 490.45
   LOCATION L0112383     VOLUME   489899.589 3753213.773 488.25
   LOCATION L0112384     VOLUME   489899.991 3753180.423 487.01
   LOCATION L0112385     VOLUME   489900.393 3753147.074 488.28
   LOCATION L0112386     VOLUME   489900.795 3753113.724 490.99
   LOCATION L0112387     VOLUME   489901.196 3753080.374 490.63
   LOCATION L0112388     VOLUME   489901.598 3753047.024 489.03
   LOCATION L0112389     VOLUME   489902.000 3753013.675 487.32
   LOCATION L0112390     VOLUME   489902.402 3752980.325 486.24
   LOCATION L0112391     VOLUME   489902.804 3752946.975 484.59
   LOCATION L0112392     VOLUME   489903.205 3752913.626 482.46
   LOCATION L0112393     VOLUME   489903.607 3752880.276 480.38
** End of LINE VOLUME Source ID = SEGMENT26
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT27
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.00959
** Elevated
** Vertical Dimension = 1.10
** SZINIT = 0.26
** Nodes = 2
** 489908.74, 3752866.71, 482.00, 1.10, 15.35
** 490255.62, 3752876.77, 483.00, 1.10, 15.35
** ----------------------------------------------------------------------
   LOCATION L0112394     VOLUME   489917.269 3752866.962 481.66
   LOCATION L0112395     VOLUME   489950.251 3752867.918 483.00
   LOCATION L0112396     VOLUME   489983.233 3752868.874 484.03
   LOCATION L0112397     VOLUME   490016.215 3752869.830 484.90
   LOCATION L0112398     VOLUME   490049.197 3752870.786 486.05
   LOCATION L0112399     VOLUME   490082.179 3752871.742 485.72
   LOCATION L0112400     VOLUME   490115.161 3752872.698 485.89
   LOCATION L0112401     VOLUME   490148.143 3752873.654 486.58
   LOCATION L0112402     VOLUME   490181.125 3752874.610 486.03
   LOCATION L0112403     VOLUME   490214.107 3752875.566 484.13
   LOCATION L0112404     VOLUME   490247.089 3752876.522 482.55
** End of LINE VOLUME Source ID = SEGMENT27
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT28
** DESCRSRC
** PREFIX
** Length of Side = 17.07
** Configuration = Separated
** Emission Rate = 0.00435
** Elevated
** Vertical Dimension = 1.60
** SZINIT = 0.37
** Nodes = 3
** 488445.80, 3752856.66, 479.00, 1.60, 15.60
** 489023.93, 3752886.82, 482.00, 1.60, 15.60
** 489903.71, 3752871.74, 482.00, 1.60, 15.60
** ----------------------------------------------------------------------
   LOCATION L0112405     VOLUME   488454.320 3752857.104 478.00
   LOCATION L0112406     VOLUME   488487.803 3752858.851 478.65
   LOCATION L0112407     VOLUME   488521.287 3752860.598 477.56
   LOCATION L0112408     VOLUME   488554.771 3752862.345 475.49
   LOCATION L0112409     VOLUME   488588.255 3752864.092 475.28
   LOCATION L0112410     VOLUME   488621.738 3752865.839 476.58
   LOCATION L0112411     VOLUME   488655.222 3752867.586 478.01
   LOCATION L0112412     VOLUME   488688.706 3752869.333 478.46
   LOCATION L0112413     VOLUME   488722.190 3752871.080 477.56
   LOCATION L0112414     VOLUME   488755.673 3752872.827 477.44
   LOCATION L0112415     VOLUME   488789.157 3752874.574 478.33
   LOCATION L0112416     VOLUME   488822.641 3752876.321 478.23
   LOCATION L0112417     VOLUME   488856.125 3752878.068 478.05
   LOCATION L0112418     VOLUME   488889.608 3752879.815 478.00
   LOCATION L0112419     VOLUME   488923.092 3752881.562 477.67
   LOCATION L0112420     VOLUME   488956.576 3752883.309 478.20
   LOCATION L0112421     VOLUME   488990.060 3752885.056 479.67
   LOCATION L0112422     VOLUME   489023.543 3752886.803 481.39
   LOCATION L0112423     VOLUME   489057.067 3752886.256 482.69
   LOCATION L0112424     VOLUME   489090.592 3752885.681 481.79
   LOCATION L0112425     VOLUME   489124.116 3752885.106 480.72
   LOCATION L0112426     VOLUME   489157.640 3752884.531 479.78
   LOCATION L0112427     VOLUME   489191.165 3752883.957 478.81
   LOCATION L0112428     VOLUME   489224.689 3752883.382 478.66
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   LOCATION L0112429     VOLUME   489258.213 3752882.807 479.70
   LOCATION L0112430     VOLUME   489291.738 3752882.233 480.07
   LOCATION L0112431     VOLUME   489325.262 3752881.658 480.06
   LOCATION L0112432     VOLUME   489358.787 3752881.083 480.07
   LOCATION L0112433     VOLUME   489392.311 3752880.508 480.03
   LOCATION L0112434     VOLUME   489425.835 3752879.934 480.19
   LOCATION L0112435     VOLUME   489459.360 3752879.359 481.26
   LOCATION L0112436     VOLUME   489492.884 3752878.784 481.90
   LOCATION L0112437     VOLUME   489526.408 3752878.210 481.91
   LOCATION L0112438     VOLUME   489559.933 3752877.635 482.48
   LOCATION L0112439     VOLUME   489593.457 3752877.060 483.49
   LOCATION L0112440     VOLUME   489626.981 3752876.486 484.65
   LOCATION L0112441     VOLUME   489660.506 3752875.911 484.85
   LOCATION L0112442     VOLUME   489694.030 3752875.336 483.84
   LOCATION L0112443     VOLUME   489727.555 3752874.761 484.12
   LOCATION L0112444     VOLUME   489761.079 3752874.187 485.30
   LOCATION L0112445     VOLUME   489794.603 3752873.612 484.92
   LOCATION L0112446     VOLUME   489828.128 3752873.037 482.79
   LOCATION L0112447     VOLUME   489861.652 3752872.463 480.74
   LOCATION L0112448     VOLUME   489895.176 3752871.888 480.27
** End of LINE VOLUME Source ID = SEGMENT28
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT29
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.00713
** Elevated
** Vertical Dimension = 1.60
** SZINIT = 0.37
** Nodes = 2
** 488254.11, 3755298.30, 548.00, 1.60, 9.20
** 488465.26, 3754775.46, 527.00, 1.60, 9.20
** ----------------------------------------------------------------------
   LOCATION L0113822     VOLUME   488256.001 3755293.618 547.91
   LOCATION L0113823     VOLUME   488263.407 3755275.280 547.76
   LOCATION L0113824     VOLUME   488270.813 3755256.941 547.00
   LOCATION L0113825     VOLUME   488278.219 3755238.603 546.11
   LOCATION L0113826     VOLUME   488285.625 3755220.265 545.58
   LOCATION L0113827     VOLUME   488293.031 3755201.926 546.30
   LOCATION L0113828     VOLUME   488300.437 3755183.588 546.55
   LOCATION L0113829     VOLUME   488307.843 3755165.250 546.07
   LOCATION L0113830     VOLUME   488315.248 3755146.911 545.50
   LOCATION L0113831     VOLUME   488322.654 3755128.573 544.24
   LOCATION L0113832     VOLUME   488330.060 3755110.235 541.81
   LOCATION L0113833     VOLUME   488337.466 3755091.896 539.27
   LOCATION L0113834     VOLUME   488344.872 3755073.558 537.21
   LOCATION L0113835     VOLUME   488352.278 3755055.220 535.11
   LOCATION L0113836     VOLUME   488359.684 3755036.881 533.03
   LOCATION L0113837     VOLUME   488367.089 3755018.543 531.46
   LOCATION L0113838     VOLUME   488374.495 3755000.205 530.12
   LOCATION L0113839     VOLUME   488381.901 3754981.866 528.93
   LOCATION L0113840     VOLUME   488389.307 3754963.528 527.84
   LOCATION L0113841     VOLUME   488396.713 3754945.190 527.02
   LOCATION L0113842     VOLUME   488404.119 3754926.851 527.91
   LOCATION L0113843     VOLUME   488411.525 3754908.513 527.77
   LOCATION L0113844     VOLUME   488418.930 3754890.175 527.27
   LOCATION L0113845     VOLUME   488426.336 3754871.837 526.62
   LOCATION L0113846     VOLUME   488433.742 3754853.498 525.57
   LOCATION L0113847     VOLUME   488441.148 3754835.160 524.34
   LOCATION L0113848     VOLUME   488448.554 3754816.822 526.00
   LOCATION L0113849     VOLUME   488455.960 3754798.483 526.05
   LOCATION L0113850     VOLUME   488463.366 3754780.145 526.51
** End of LINE VOLUME Source ID = SEGMENT29
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT30
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.0297
** Elevated
** Vertical Dimension = 1.60
** SZINIT = 0.37
** Nodes = 4
** 488465.58, 3754780.49, 527.00, 1.60, 9.32
** 488732.03, 3754307.92, 516.00, 1.60, 9.32
** 488963.28, 3754116.89, 511.00, 1.60, 9.32
** 490099.45, 3753423.12, 503.00, 1.60, 9.32
** ----------------------------------------------------------------------
   LOCATION L0114430     VOLUME   488468.061 3754776.091 526.90
   LOCATION L0114431     VOLUME   488477.900 3754758.640 526.49
   LOCATION L0114432     VOLUME   488487.740 3754741.189 526.09
   LOCATION L0114433     VOLUME   488497.579 3754723.739 525.68
   LOCATION L0114434     VOLUME   488507.418 3754706.288 525.27
   LOCATION L0114435     VOLUME   488517.257 3754688.838 524.87
   LOCATION L0114436     VOLUME   488527.096 3754671.387 524.46
   LOCATION L0114437     VOLUME   488536.935 3754653.936 524.05
   LOCATION L0114438     VOLUME   488546.775 3754636.486 523.65
   LOCATION L0114439     VOLUME   488556.614 3754619.035 523.24
   LOCATION L0114440     VOLUME   488566.453 3754601.585 522.84
   LOCATION L0114441     VOLUME   488576.292 3754584.134 522.43
   LOCATION L0114442     VOLUME   488586.131 3754566.683 522.02
   LOCATION L0114443     VOLUME   488595.971 3754549.233 521.62
   LOCATION L0114444     VOLUME   488605.810 3754531.782 521.21
   LOCATION L0114445     VOLUME   488615.649 3754514.331 520.80
   LOCATION L0114446     VOLUME   488625.488 3754496.881 520.40
   LOCATION L0114447     VOLUME   488635.327 3754479.430 519.99
   LOCATION L0114448     VOLUME   488645.166 3754461.980 519.59
   LOCATION L0114449     VOLUME   488655.006 3754444.529 519.18
   LOCATION L0114450     VOLUME   488664.845 3754427.078 518.77
   LOCATION L0114451     VOLUME   488674.684 3754409.628 518.37
   LOCATION L0114452     VOLUME   488684.523 3754392.177 517.96
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   LOCATION L0114453     VOLUME   488694.362 3754374.727 517.55
   LOCATION L0114454     VOLUME   488704.201 3754357.276 517.15
   LOCATION L0114455     VOLUME   488714.041 3754339.825 516.74
   LOCATION L0114456     VOLUME   488723.880 3754322.375 516.34
   LOCATION L0114457     VOLUME   488734.683 3754305.731 515.94
   LOCATION L0114458     VOLUME   488750.128 3754292.972 515.61
   LOCATION L0114459     VOLUME   488765.573 3754280.213 515.27
   LOCATION L0114460     VOLUME   488781.018 3754267.454 514.94
   LOCATION L0114461     VOLUME   488796.462 3754254.695 514.61
   LOCATION L0114462     VOLUME   488811.907 3754241.937 514.27
   LOCATION L0114463     VOLUME   488827.352 3754229.178 513.94
   LOCATION L0114464     VOLUME   488842.797 3754216.419 513.61
   LOCATION L0114465     VOLUME   488858.242 3754203.660 513.27
   LOCATION L0114466     VOLUME   488873.687 3754190.901 512.94
   LOCATION L0114467     VOLUME   488889.132 3754178.142 512.60
   LOCATION L0114468     VOLUME   488904.577 3754165.384 512.27
   LOCATION L0114469     VOLUME   488920.022 3754152.625 511.94
   LOCATION L0114470     VOLUME   488935.467 3754139.866 511.60
   LOCATION L0114471     VOLUME   488950.912 3754127.107 511.27
   LOCATION L0114472     VOLUME   488966.685 3754114.810 510.98
   LOCATION L0114473     VOLUME   488983.783 3754104.369 510.86
   LOCATION L0114474     VOLUME   489000.881 3754093.929 510.74
   LOCATION L0114475     VOLUME   489017.979 3754083.489 510.61
   LOCATION L0114476     VOLUME   489035.077 3754073.049 510.49
   LOCATION L0114477     VOLUME   489052.174 3754062.608 510.37
   LOCATION L0114478     VOLUME   489069.272 3754052.168 510.25
   LOCATION L0114479     VOLUME   489086.370 3754041.728 510.13
   LOCATION L0114480     VOLUME   489103.468 3754031.288 510.01
   LOCATION L0114481     VOLUME   489120.566 3754020.847 509.89
   LOCATION L0114482     VOLUME   489137.663 3754010.407 509.77
   LOCATION L0114483     VOLUME   489154.761 3753999.967 509.65
   LOCATION L0114484     VOLUME   489171.859 3753989.527 509.53
   LOCATION L0114485     VOLUME   489188.957 3753979.086 509.41
   LOCATION L0114486     VOLUME   489206.055 3753968.646 509.29
   LOCATION L0114487     VOLUME   489223.152 3753958.206 509.17
   LOCATION L0114488     VOLUME   489240.250 3753947.766 509.05
   LOCATION L0114489     VOLUME   489257.348 3753937.325 508.93
   LOCATION L0114490     VOLUME   489274.446 3753926.885 508.81
   LOCATION L0114491     VOLUME   489291.544 3753916.445 508.69
   LOCATION L0114492     VOLUME   489308.641 3753906.005 508.57
   LOCATION L0114493     VOLUME   489325.739 3753895.564 508.45
   LOCATION L0114494     VOLUME   489342.837 3753885.124 508.33
   LOCATION L0114495     VOLUME   489359.935 3753874.684 508.21
   LOCATION L0114496     VOLUME   489377.033 3753864.244 508.09
   LOCATION L0114497     VOLUME   489394.130 3753853.803 507.97
   LOCATION L0114498     VOLUME   489411.228 3753843.363 507.85
   LOCATION L0114499     VOLUME   489428.326 3753832.923 507.73
   LOCATION L0114500     VOLUME   489445.424 3753822.483 507.61
   LOCATION L0114501     VOLUME   489462.522 3753812.042 507.48
   LOCATION L0114502     VOLUME   489479.619 3753801.602 507.36
   LOCATION L0114503     VOLUME   489496.717 3753791.162 507.24
   LOCATION L0114504     VOLUME   489513.815 3753780.722 507.12
   LOCATION L0114505     VOLUME   489530.913 3753770.281 507.00
   LOCATION L0114506     VOLUME   489548.011 3753759.841 506.88
   LOCATION L0114507     VOLUME   489565.108 3753749.401 506.76
   LOCATION L0114508     VOLUME   489582.206 3753738.961 506.64
   LOCATION L0114509     VOLUME   489599.304 3753728.520 506.52
   LOCATION L0114510     VOLUME   489616.402 3753718.080 506.40
   LOCATION L0114511     VOLUME   489633.500 3753707.640 506.28
   LOCATION L0114512     VOLUME   489650.597 3753697.200 506.16
   LOCATION L0114513     VOLUME   489667.695 3753686.759 506.04
   LOCATION L0114514     VOLUME   489684.793 3753676.319 505.92
   LOCATION L0114515     VOLUME   489701.891 3753665.879 505.80
   LOCATION L0114516     VOLUME   489718.988 3753655.439 505.68
   LOCATION L0114517     VOLUME   489736.086 3753644.998 505.56
   LOCATION L0114518     VOLUME   489753.184 3753634.558 505.44
   LOCATION L0114519     VOLUME   489770.282 3753624.118 505.32
   LOCATION L0114520     VOLUME   489787.380 3753613.678 505.20
   LOCATION L0114521     VOLUME   489804.477 3753603.238 505.08
   LOCATION L0114522     VOLUME   489821.575 3753592.797 504.96
   LOCATION L0114523     VOLUME   489838.673 3753582.357 504.84
   LOCATION L0114524     VOLUME   489855.771 3753571.917 504.72
   LOCATION L0114525     VOLUME   489872.869 3753561.477 504.60
   LOCATION L0114526     VOLUME   489889.966 3753551.036 504.48
   LOCATION L0114527     VOLUME   489907.064 3753540.596 504.35
   LOCATION L0114528     VOLUME   489924.162 3753530.156 504.23
   LOCATION L0114529     VOLUME   489941.260 3753519.716 504.11
   LOCATION L0114530     VOLUME   489958.358 3753509.275 503.99
   LOCATION L0114531     VOLUME   489975.455 3753498.835 503.87
   LOCATION L0114532     VOLUME   489992.553 3753488.395 503.75
   LOCATION L0114533     VOLUME   490009.651 3753477.955 503.63
   LOCATION L0114534     VOLUME   490026.749 3753467.514 503.51
   LOCATION L0114535     VOLUME   490043.847 3753457.074 503.39
   LOCATION L0114536     VOLUME   490060.944 3753446.634 503.27
   LOCATION L0114537     VOLUME   490078.042 3753436.194 503.15
   LOCATION L0114538     VOLUME   490095.140 3753425.753 503.03
** End of LINE VOLUME Source ID = SEGMENT30
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SEGMENT31
** DESCRSRC
** PREFIX
** Length of Side = 10.10
** Configuration = Separated
** Emission Rate = 0.0123
** Elevated
** Vertical Dimension = 1.40
** SZINIT = 0.33
** Nodes = 3
** 490099.77, 3753444.85, 504.00, 1.40, 9.38
** 490652.78, 3753118.08, 492.00, 1.40, 9.38
** 491195.72, 3752374.04, 463.00, 1.40, 9.38
** ----------------------------------------------------------------------
   LOCATION L0114539     VOLUME   490104.122 3753442.284 503.91
   LOCATION L0114540     VOLUME   490121.489 3753432.021 503.53
   LOCATION L0114541     VOLUME   490138.857 3753421.758 503.15
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   LOCATION L0114542      VOLUME   490156.224 3753411.496 502.78
   LOCATION L0114543      VOLUME   490173.592 3753401.233 502.40
   LOCATION L0114544      VOLUME   490190.959 3753390.971 502.02
   LOCATION L0114545      VOLUME   490208.326 3753380.708 501.64
   LOCATION L0114546      VOLUME   490225.694 3753370.446 501.27
   LOCATION L0114547      VOLUME   490243.061 3753360.183 500.89
   LOCATION L0114548      VOLUME   490260.428 3753349.921 500.51
   LOCATION L0114549      VOLUME   490277.796 3753339.658 500.14
   LOCATION L0114550      VOLUME   490295.163 3753329.396 499.76
   LOCATION L0114551      VOLUME   490312.530 3753319.133 499.38
   LOCATION L0114552      VOLUME   490329.898 3753308.871 499.01
   LOCATION L0114553      VOLUME   490347.265 3753298.608 498.63
   LOCATION L0114554      VOLUME   490364.633 3753288.345 498.25
   LOCATION L0114555      VOLUME   490382.000 3753278.083 497.88
   LOCATION L0114556      VOLUME   490399.367 3753267.820 497.50
   LOCATION L0114557      VOLUME   490416.735 3753257.558 497.12
   LOCATION L0114558      VOLUME   490434.102 3753247.295 496.75
   LOCATION L0114559      VOLUME   490451.469 3753237.033 496.37
   LOCATION L0114560      VOLUME   490468.837 3753226.770 495.99
   LOCATION L0114561      VOLUME   490486.204 3753216.508 495.61
   LOCATION L0114562      VOLUME   490503.572 3753206.245 495.24
   LOCATION L0114563      VOLUME   490520.939 3753195.983 494.86
   LOCATION L0114564      VOLUME   490538.306 3753185.720 494.48
   LOCATION L0114565      VOLUME   490555.674 3753175.458 494.11
   LOCATION L0114566      VOLUME   490573.041 3753165.195 493.73
   LOCATION L0114567      VOLUME   490590.408 3753154.933 493.35
   LOCATION L0114568      VOLUME   490607.776 3753144.670 492.98
   LOCATION L0114569      VOLUME   490625.143 3753134.407 492.60
   LOCATION L0114570      VOLUME   490642.510 3753124.145 492.22
   LOCATION L0114571      VOLUME   490657.639 3753111.415 491.74
   LOCATION L0114572      VOLUME   490669.530 3753095.120 491.11
   LOCATION L0114573      VOLUME   490681.421 3753078.825 490.47
   LOCATION L0114574      VOLUME   490693.313 3753062.529 489.83
   LOCATION L0114575      VOLUME   490705.204 3753046.234 489.20
   LOCATION L0114576      VOLUME   490717.095 3753029.938 488.56
   LOCATION L0114577      VOLUME   490728.986 3753013.643 487.93
   LOCATION L0114578      VOLUME   490740.878 3752997.347 487.29
   LOCATION L0114579      VOLUME   490752.769 3752981.052 486.66
   LOCATION L0114580      VOLUME   490764.660 3752964.756 486.02
   LOCATION L0114581      VOLUME   490776.552 3752948.461 485.39
   LOCATION L0114582      VOLUME   490788.443 3752932.165 484.75
   LOCATION L0114583      VOLUME   490800.334 3752915.870 484.12
   LOCATION L0114584      VOLUME   490812.225 3752899.574 483.48
   LOCATION L0114585      VOLUME   490824.117 3752883.279 482.85
   LOCATION L0114586      VOLUME   490836.008 3752866.983 482.21
   LOCATION L0114587      VOLUME   490847.899 3752850.688 481.58
   LOCATION L0114588      VOLUME   490859.791 3752834.392 480.94
   LOCATION L0114589      VOLUME   490871.682 3752818.097 480.31
   LOCATION L0114590      VOLUME   490883.573 3752801.802 479.67
   LOCATION L0114591      VOLUME   490895.464 3752785.506 479.04
   LOCATION L0114592      VOLUME   490907.356 3752769.211 478.40
   LOCATION L0114593      VOLUME   490919.247 3752752.915 477.77
   LOCATION L0114594      VOLUME   490931.138 3752736.620 477.13
   LOCATION L0114595      VOLUME   490943.030 3752720.324 476.50
   LOCATION L0114596      VOLUME   490954.921 3752704.029 475.86
   LOCATION L0114597      VOLUME   490966.812 3752687.733 475.23
   LOCATION L0114598      VOLUME   490978.703 3752671.438 474.59
   LOCATION L0114599      VOLUME   490990.595 3752655.142 473.96
   LOCATION L0114600      VOLUME   491002.486 3752638.847 473.32
   LOCATION L0114601      VOLUME   491014.377 3752622.551 472.69
   LOCATION L0114602      VOLUME   491026.269 3752606.256 472.05
   LOCATION L0114603      VOLUME   491038.160 3752589.960 471.42
   LOCATION L0114604      VOLUME   491050.051 3752573.665 470.78
   LOCATION L0114605      VOLUME   491061.942 3752557.370 470.15
   LOCATION L0114606      VOLUME   491073.834 3752541.074 469.51
   LOCATION L0114607      VOLUME   491085.725 3752524.779 468.88
   LOCATION L0114608      VOLUME   491097.616 3752508.483 468.24
   LOCATION L0114609      VOLUME   491109.508 3752492.188 467.60
   LOCATION L0114610      VOLUME   491121.399 3752475.892 466.97
   LOCATION L0114611      VOLUME   491133.290 3752459.597 466.33
   LOCATION L0114612      VOLUME   491145.181 3752443.301 465.70
   LOCATION L0114613      VOLUME   491157.073 3752427.006 465.06
   LOCATION L0114614      VOLUME   491168.964 3752410.710 464.43
   LOCATION L0114615      VOLUME   491180.855 3752394.415 463.79
   LOCATION L0114616      VOLUME   491192.747 3752378.119 463.16
** End of LINE VOLUME Source ID = SEGMENT31
   LOCATION PHASE2        AREAPOLY   485955.126  3753354.752      492.230
** Source Parameters **
   SRCPARAM PHASE1         2.09E-09     2.700        11
   AREAVERT PHASE1        485577.456 3755020.364 485577.456 3753474.160
   AREAVERT PHASE1        485908.786 3753474.160 485923.846 3753288.414
   AREAVERT PHASE1        486892.734 3753283.394 487138.721 3753248.253
   AREAVERT PHASE1        488479.099 3753223.153 488464.038 3754287.423
   AREAVERT PHASE1        488107.608 3754729.196 487153.781 3754759.316
   AREAVERT PHASE1        487138.721 3755010.324
** LINE VOLUME Source ID = SEGMENT01
   SRCPARAM L0114038       0.001045      1.60      27.35      0.37
   SRCPARAM L0114039       0.001045      1.60      27.35      0.37
   SRCPARAM L0114040       0.001045      1.60      27.35      0.37
   SRCPARAM L0114041       0.001045      1.60      27.35      0.37
   SRCPARAM L0114042       0.001045      1.60      27.35      0.37
   SRCPARAM L0114043       0.001045      1.60      27.35      0.37
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT02
   SRCPARAM L0114044        0.00241      1.60      30.03      0.37
   SRCPARAM L0114045        0.00241      1.60      30.03      0.37
   SRCPARAM L0114046        0.00241      1.60      30.03      0.37
   SRCPARAM L0114047        0.00241      1.60      30.03      0.37
   SRCPARAM L0114048        0.00241      1.60      30.03      0.37
   SRCPARAM L0114049        0.00241      1.60      30.03      0.37
   SRCPARAM L0114050        0.00241      1.60      30.03      0.37
   SRCPARAM L0114051        0.00241      1.60      30.03      0.37
   SRCPARAM L0114052        0.00241      1.60      30.03      0.37
   SRCPARAM L0114053        0.00241      1.60      30.03      0.37
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT03
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   SRCPARAM L0112020     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112021     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112022     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112023     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112024     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112025     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112026     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112027     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112028     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112029     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112030     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112031     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112032     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112033     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112034     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112035     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112036     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112037     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112038     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112039     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112040     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112041     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112042     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112043     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112044     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112045     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112046     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112047     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112048     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112049     0.0005612903      1.60     18.01      0.37
   SRCPARAM L0112050     0.0005612903      1.60     18.01      0.37
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT04
   SRCPARAM L0112051     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112052     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112053     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112054     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112055     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112056     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112057     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112058     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112059     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112060     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112061     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112062     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112063     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112064     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112065     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112066     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112067     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112068     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112069     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112070     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112071     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112072     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112073     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112074     0.0000912      1.30     17.72      0.30
   SRCPARAM L0112075     0.0000912      1.30     17.72      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT05
   SRCPARAM L0114054       0.00024      1.30     24.05      0.30
   SRCPARAM L0114055       0.00024      1.30     24.05      0.30
   SRCPARAM L0114056       0.00024      1.30     24.05      0.30
   SRCPARAM L0114057       0.00024      1.30     24.05      0.30
   SRCPARAM L0114058       0.00024      1.30     24.05      0.30
   SRCPARAM L0114059       0.00024      1.30     24.05      0.30
   SRCPARAM L0114060       0.00024      1.30     24.05      0.30
   SRCPARAM L0114061       0.00024      1.30     24.05      0.30
   SRCPARAM L0114062       0.00024      1.30     24.05      0.30
   SRCPARAM L0114063       0.00024      1.30     24.05      0.30
   SRCPARAM L0114064       0.00024      1.30     24.05      0.30
   SRCPARAM L0114065       0.00024      1.30     24.05      0.30
   SRCPARAM L0114066       0.00024      1.30     24.05      0.30
   SRCPARAM L0114067       0.00024      1.30     24.05      0.30
   SRCPARAM L0114068       0.00024      1.30     24.05      0.30
   SRCPARAM L0114069       0.00024      1.30     24.05      0.30
   SRCPARAM L0114070       0.00024      1.30     24.05      0.30
   SRCPARAM L0114071       0.00024      1.30     24.05      0.30
   SRCPARAM L0114072       0.00024      1.30     24.05      0.30
   SRCPARAM L0114073       0.00024      1.30     24.05      0.30
   SRCPARAM L0114074       0.00024      1.30     24.05      0.30
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT06
   SRCPARAM L0114075     0.0009052632      1.60     29.19      0.37
   SRCPARAM L0114076     0.0009052632      1.60     29.19      0.37
   SRCPARAM L0114077     0.0009052632      1.60     29.19      0.37
   SRCPARAM L0114078     0.0009052632      1.60     29.19      0.37
   SRCPARAM L0114079     0.0009052632      1.60     29.19      0.37
   SRCPARAM L0114080     0.0009052632      1.60     29.19      0.37
   SRCPARAM L0114081     0.0009052632      1.60     29.19      0.37
   SRCPARAM L0114082     0.0009052632      1.60     29.19      0.37
   SRCPARAM L0114083     0.0009052632      1.60     29.19      0.37
   SRCPARAM L0114084     0.0009052632      1.60     29.19      0.37
   SRCPARAM L0114085     0.0009052632      1.60     29.19      0.37
   SRCPARAM L0114086     0.0009052632      1.60     29.19      0.37
   SRCPARAM L0114087     0.0009052632      1.60     29.19      0.37
   SRCPARAM L0114088     0.0009052632      1.60     29.19      0.37
   SRCPARAM L0114089     0.0009052632      1.60     29.19      0.37
   SRCPARAM L0114090     0.0009052632      1.60     29.19      0.37
   SRCPARAM L0114091     0.0009052632      1.60     29.19      0.37
   SRCPARAM L0114092     0.0009052632      1.60     29.19      0.37
   SRCPARAM L0114093     0.0009052632      1.60     29.19      0.37
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT07
   SRCPARAM L0112116     0.0013444444      1.10     29.21      0.26
   SRCPARAM L0112117     0.0013444444      1.10     29.21      0.26
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   SRCPARAM L0112118     0.0013444444      1.10     29.21      0.26
   SRCPARAM L0112119     0.0013444444      1.10     29.21      0.26
   SRCPARAM L0112120     0.0013444444      1.10     29.21      0.26
   SRCPARAM L0112121     0.0013444444      1.10     29.21      0.26
   SRCPARAM L0112122     0.0013444444      1.10     29.21      0.26
   SRCPARAM L0112123     0.0013444444      1.10     29.21      0.26
   SRCPARAM L0112124     0.0013444444      1.10     29.21      0.26
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT08
   SRCPARAM L0112125     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112126     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112127     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112128     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112129     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112130     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112131     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112132     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112133     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112134     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112135     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112136     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112137     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112138     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112139     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112140     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112141     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112142     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112143     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112144     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112145     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112146     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112147     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112148     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112149     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112150     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112151     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112152     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112153     0.0002353333      1.30     18.01      0.30
   SRCPARAM L0112154     0.0002353333      1.30     18.01      0.30
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT11
   SRCPARAM L0114094     0.000008904      1.30      1.86      0.30
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   SRCPARAM L0114384     0.000008904      1.30      1.86      0.30
   SRCPARAM L0114385     0.000008904      1.30      1.86      0.30
   SRCPARAM L0114386     0.000008904      1.30      1.86      0.30
   SRCPARAM L0114387     0.000008904      1.30      1.86      0.30
   SRCPARAM L0114388     0.000008904      1.30      1.86      0.30
   SRCPARAM L0114389     0.000008904      1.30      1.86      0.30
   SRCPARAM L0114390     0.000008904      1.30      1.86      0.30
   SRCPARAM L0114391     0.000008904      1.30      1.86      0.30
   SRCPARAM L0114392     0.000008904      1.30      1.86      0.30
   SRCPARAM L0114393     0.000008904      1.30      1.86      0.30
   SRCPARAM L0114394     0.000008904      1.30      1.86      0.30
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT12
   SRCPARAM L0113686     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113687     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113688     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113689     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113690     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113691     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113692     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113693     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113694     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113695     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113696     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113697     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113698     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113699     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113700     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113701     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113702     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113703     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113704     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113705     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113706     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113707     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113708     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113709     0.0001616      1.50     15.63      0.35
   SRCPARAM L0113710     0.0001616      1.50     15.63      0.35
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT14
   SRCPARAM L0113711     0.0003138889      1.50     23.83      0.35
   SRCPARAM L0113712     0.0003138889      1.50     23.83      0.35
   SRCPARAM L0113713     0.0003138889      1.50     23.83      0.35
   SRCPARAM L0113714     0.0003138889      1.50     23.83      0.35
   SRCPARAM L0113715     0.0003138889      1.50     23.83      0.35
   SRCPARAM L0113716     0.0003138889      1.50     23.83      0.35
   SRCPARAM L0113717     0.0003138889      1.50     23.83      0.35
   SRCPARAM L0113718     0.0003138889      1.50     23.83      0.35
   SRCPARAM L0113719     0.0003138889      1.50     23.83      0.35
   SRCPARAM L0113720     0.0003138889      1.50     23.83      0.35
   SRCPARAM L0113721     0.0003138889      1.50     23.83      0.35
   SRCPARAM L0113722     0.0003138889      1.50     23.83      0.35
   SRCPARAM L0113723     0.0003138889      1.50     23.83      0.35
   SRCPARAM L0113724     0.0003138889      1.50     23.83      0.35
   SRCPARAM L0113725     0.0003138889      1.50     23.83      0.35
   SRCPARAM L0113726     0.0003138889      1.50     23.83      0.35
   SRCPARAM L0113727     0.0003138889      1.50     23.83      0.35
   SRCPARAM L0113728     0.0003138889      1.50     23.83      0.35
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT15
   SRCPARAM L0114395     0.0002653333      1.60     23.51      0.37
   SRCPARAM L0114396     0.0002653333      1.60     23.51      0.37
   SRCPARAM L0114397     0.0002653333      1.60     23.51      0.37
   SRCPARAM L0114398     0.0002653333      1.60     23.51      0.37
   SRCPARAM L0114399     0.0002653333      1.60     23.51      0.37
   SRCPARAM L0114400     0.0002653333      1.60     23.51      0.37
   SRCPARAM L0114401     0.0002653333      1.60     23.51      0.37
   SRCPARAM L0114402     0.0002653333      1.60     23.51      0.37
   SRCPARAM L0114403     0.0002653333      1.60     23.51      0.37
   SRCPARAM L0114404     0.0002653333      1.60     23.51      0.37
   SRCPARAM L0114405     0.0002653333      1.60     23.51      0.37
   SRCPARAM L0114406     0.0002653333      1.60     23.51      0.37
   SRCPARAM L0114407     0.0002653333      1.60     23.51      0.37
   SRCPARAM L0114408     0.0002653333      1.60     23.51      0.37
   SRCPARAM L0114409     0.0002653333      1.60     23.51      0.37
** ---------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT18
   SRCPARAM L0113744     0.000116875      1.60     23.38      0.37
   SRCPARAM L0113745     0.000116875      1.60     23.38      0.37
   SRCPARAM L0113746     0.000116875      1.60     23.38      0.37
   SRCPARAM L0113747     0.000116875      1.60     23.38      0.37
   SRCPARAM L0113748     0.000116875      1.60     23.38      0.37
   SRCPARAM L0113749     0.000116875      1.60     23.38      0.37
   SRCPARAM L0113750     0.000116875      1.60     23.38      0.37
   SRCPARAM L0113751     0.000116875      1.60     23.38      0.37
   SRCPARAM L0113752     0.000116875      1.60     23.38      0.37
   SRCPARAM L0113753     0.000116875      1.60     23.38      0.37
   SRCPARAM L0113754     0.000116875      1.60     23.38      0.37
   SRCPARAM L0113755     0.000116875      1.60     23.38      0.37
   SRCPARAM L0113756     0.000116875      1.60     23.38      0.37
   SRCPARAM L0113757     0.000116875      1.60     23.38      0.37
   SRCPARAM L0113758     0.000116875      1.60     23.38      0.37
   SRCPARAM L0113759     0.000116875      1.60     23.38      0.37
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** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT18A
   SRCPARAM L0113760     0.0000592308      1.50     24.10      0.35
   SRCPARAM L0113761     0.0000592308      1.50     24.10      0.35
   SRCPARAM L0113762     0.0000592308      1.50     24.10      0.35
   SRCPARAM L0113763     0.0000592308      1.50     24.10      0.35
   SRCPARAM L0113764     0.0000592308      1.50     24.10      0.35
   SRCPARAM L0113765     0.0000592308      1.50     24.10      0.35
   SRCPARAM L0113766     0.0000592308      1.50     24.10      0.35
   SRCPARAM L0113767     0.0000592308      1.50     24.10      0.35
   SRCPARAM L0113768     0.0000592308      1.50     24.10      0.35
   SRCPARAM L0113769     0.0000592308      1.50     24.10      0.35
   SRCPARAM L0113770     0.0000592308      1.50     24.10      0.35
   SRCPARAM L0113771     0.0000592308      1.50     24.10      0.35
   SRCPARAM L0113772     0.0000592308      1.50     24.10      0.35
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT19
   SRCPARAM L0112242     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112243     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112244     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112245     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112246     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112247     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112248     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112249     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112250     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112251     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112252     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112253     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112254     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112255     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112256     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112257     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112258     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112259     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112260     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112261     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112262     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112263     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112264     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112265     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112266     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112267     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112268     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112269     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112270     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112271     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112272     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112273     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112274     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112275     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112276     0.0001825      1.60     17.64      0.37
   SRCPARAM L0112277     0.0001825      1.60     17.64      0.37
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT20
   SRCPARAM L0112278      0.000055      1.40     18.04      0.33
   SRCPARAM L0112279      0.000055      1.40     18.04      0.33
   SRCPARAM L0112280      0.000055      1.40     18.04      0.33
   SRCPARAM L0112281      0.000055      1.40     18.04      0.33
   SRCPARAM L0112282      0.000055      1.40     18.04      0.33
   SRCPARAM L0112283      0.000055      1.40     18.04      0.33
   SRCPARAM L0112284      0.000055      1.40     18.04      0.33
   SRCPARAM L0112285      0.000055      1.40     18.04      0.33
   SRCPARAM L0112286      0.000055      1.40     18.04      0.33
   SRCPARAM L0112287      0.000055      1.40     18.04      0.33
   SRCPARAM L0112288      0.000055      1.40     18.04      0.33
   SRCPARAM L0112289      0.000055      1.40     18.04      0.33
   SRCPARAM L0112290      0.000055      1.40     18.04      0.33
   SRCPARAM L0112291      0.000055      1.40     18.04      0.33
   SRCPARAM L0112292      0.000055      1.40     18.04      0.33
   SRCPARAM L0112293      0.000055      1.40     18.04      0.33
   SRCPARAM L0112294      0.000055      1.40     18.04      0.33
   SRCPARAM L0112295      0.000055      1.40     18.04      0.33
   SRCPARAM L0112296      0.000055      1.40     18.04      0.33
   SRCPARAM L0112297      0.000055      1.40     18.04      0.33
   SRCPARAM L0112298      0.000055      1.40     18.04      0.33
   SRCPARAM L0112299      0.000055      1.40     18.04      0.33
   SRCPARAM L0112300      0.000055      1.40     18.04      0.33
   SRCPARAM L0112301      0.000055      1.40     18.04      0.33
   SRCPARAM L0112302      0.000055      1.40     18.04      0.33
   SRCPARAM L0112303      0.000055      1.40     18.04      0.33
   SRCPARAM L0112304      0.000055      1.40     18.04      0.33
   SRCPARAM L0112305      0.000055      1.40     18.04      0.33
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT21
   SRCPARAM L0114410     0.0004535714      1.50     22.81      0.35
   SRCPARAM L0114411     0.0004535714      1.50     22.81      0.35
   SRCPARAM L0114412     0.0004535714      1.50     22.81      0.35
   SRCPARAM L0114413     0.0004535714      1.50     22.81      0.35
   SRCPARAM L0114414     0.0004535714      1.50     22.81      0.35
   SRCPARAM L0114415     0.0004535714      1.50     22.81      0.35
   SRCPARAM L0114416     0.0004535714      1.50     22.81      0.35
   SRCPARAM L0114417     0.0004535714      1.50     22.81      0.35
   SRCPARAM L0114418     0.0004535714      1.50     22.81      0.35
   SRCPARAM L0114419     0.0004535714      1.50     22.81      0.35
   SRCPARAM L0114420     0.0004535714      1.50     22.81      0.35
   SRCPARAM L0114421     0.0004535714      1.50     22.81      0.35
   SRCPARAM L0114422     0.0004535714      1.50     22.81      0.35
   SRCPARAM L0114423     0.0004535714      1.50     22.81      0.35
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT22
   SRCPARAM L0112320       0.00047      1.50     24.24      0.35
   SRCPARAM L0112321       0.00047      1.50     24.24      0.35
   SRCPARAM L0112322       0.00047      1.50     24.24      0.35
   SRCPARAM L0112323       0.00047      1.50     24.24      0.35
   SRCPARAM L0112324       0.00047      1.50     24.24      0.35
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   SRCPARAM L0112325       0.00047      1.50     24.24      0.35
   SRCPARAM L0112326       0.00047      1.50     24.24      0.35
   SRCPARAM L0112327       0.00047      1.50     24.24      0.35
   SRCPARAM L0112328       0.00047      1.50     24.24      0.35
   SRCPARAM L0112329       0.00047      1.50     24.24      0.35
   SRCPARAM L0112330       0.00047      1.50     24.24      0.35
   SRCPARAM L0112331       0.00047      1.50     24.24      0.35
   SRCPARAM L0112332       0.00047      1.50     24.24      0.35
   SRCPARAM L0112333       0.00047      1.50     24.24      0.35
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT23
   SRCPARAM L0112334        0.0015      1.10     18.10      0.26
   SRCPARAM L0112335        0.0015      1.10     18.10      0.26
   SRCPARAM L0112336        0.0015      1.10     18.10      0.26
   SRCPARAM L0112337        0.0015      1.10     18.10      0.26
   SRCPARAM L0112338        0.0015      1.10     18.10      0.26
   SRCPARAM L0112339        0.0015      1.10     18.10      0.26
   SRCPARAM L0112340        0.0015      1.10     18.10      0.26
   SRCPARAM L0112341        0.0015      1.10     18.10      0.26
   SRCPARAM L0112342        0.0015      1.10     18.10      0.26
   SRCPARAM L0112343        0.0015      1.10     18.10      0.26
   SRCPARAM L0112344        0.0015      1.10     18.10      0.26
   SRCPARAM L0112345        0.0015      1.10     18.10      0.26
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT24
   SRCPARAM L0113787     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113788     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113789     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113790     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113791     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113792     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113793     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113794     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113795     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113796     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113797     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113798     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113799     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113800     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113801     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113802     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113803     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113804     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113805     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113806     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113807     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113808     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113809     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113810     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113811     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113812     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113813     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113814     0.0002886207      1.50     23.53      0.35
   SRCPARAM L0113815     0.0002886207      1.50     23.53      0.35
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT25
   SRCPARAM L0114424     0.0005633333      1.50     22.24      0.35
   SRCPARAM L0114425     0.0005633333      1.50     22.24      0.35
   SRCPARAM L0114426     0.0005633333      1.50     22.24      0.35
   SRCPARAM L0114427     0.0005633333      1.50     22.24      0.35
   SRCPARAM L0114428     0.0005633333      1.50     22.24      0.35
   SRCPARAM L0114429     0.0005633333      1.50     22.24      0.35
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT26
   SRCPARAM L0112381     0.0012461538      1.10     15.51      0.26
   SRCPARAM L0112382     0.0012461538      1.10     15.51      0.26
   SRCPARAM L0112383     0.0012461538      1.10     15.51      0.26
   SRCPARAM L0112384     0.0012461538      1.10     15.51      0.26
   SRCPARAM L0112385     0.0012461538      1.10     15.51      0.26
   SRCPARAM L0112386     0.0012461538      1.10     15.51      0.26
   SRCPARAM L0112387     0.0012461538      1.10     15.51      0.26
   SRCPARAM L0112388     0.0012461538      1.10     15.51      0.26
   SRCPARAM L0112389     0.0012461538      1.10     15.51      0.26
   SRCPARAM L0112390     0.0012461538      1.10     15.51      0.26
   SRCPARAM L0112391     0.0012461538      1.10     15.51      0.26
   SRCPARAM L0112392     0.0012461538      1.10     15.51      0.26
   SRCPARAM L0112393     0.0012461538      1.10     15.51      0.26
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT27
   SRCPARAM L0112394     0.0008718182      1.10     15.35      0.26
   SRCPARAM L0112395     0.0008718182      1.10     15.35      0.26
   SRCPARAM L0112396     0.0008718182      1.10     15.35      0.26
   SRCPARAM L0112397     0.0008718182      1.10     15.35      0.26
   SRCPARAM L0112398     0.0008718182      1.10     15.35      0.26
   SRCPARAM L0112399     0.0008718182      1.10     15.35      0.26
   SRCPARAM L0112400     0.0008718182      1.10     15.35      0.26
   SRCPARAM L0112401     0.0008718182      1.10     15.35      0.26
   SRCPARAM L0112402     0.0008718182      1.10     15.35      0.26
   SRCPARAM L0112403     0.0008718182      1.10     15.35      0.26
   SRCPARAM L0112404     0.0008718182      1.10     15.35      0.26
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT28
   SRCPARAM L0112405     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112406     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112407     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112408     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112409     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112410     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112411     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112412     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112413     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112414     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112415     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112416     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112417     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112418     0.0000988636      1.60     15.60      0.37
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   SRCPARAM L0112419     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112420     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112421     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112422     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112423     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112424     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112425     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112426     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112427     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112428     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112429     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112430     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112431     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112432     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112433     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112434     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112435     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112436     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112437     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112438     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112439     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112440     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112441     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112442     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112443     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112444     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112445     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112446     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112447     0.0000988636      1.60     15.60      0.37
   SRCPARAM L0112448     0.0000988636      1.60     15.60      0.37
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT29
   SRCPARAM L0113822     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113823     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113824     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113825     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113826     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113827     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113828     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113829     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113830     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113831     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113832     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113833     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113834     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113835     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113836     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113837     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113838     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113839     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113840     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113841     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113842     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113843     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113844     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113845     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113846     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113847     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113848     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113849     0.0002458621      1.60      9.20      0.37
   SRCPARAM L0113850     0.0002458621      1.60      9.20      0.37
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT30
   SRCPARAM L0114430     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114431     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114432     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114433     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114434     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114435     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114436     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114437     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114438     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114439     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114440     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114441     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114442     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114443     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114444     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114445     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114446     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114447     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114448     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114449     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114450     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114451     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114452     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114453     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114454     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114455     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114456     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114457     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114458     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114459     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114460     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114461     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114462     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114463     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114464     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114465     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114466     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114467     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114468     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114469     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114470     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114471     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114472     0.0002724771      1.60      9.32      0.37
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   SRCPARAM L0114473     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114474     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114475     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114476     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114477     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114478     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114479     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114480     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114481     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114482     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114483     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114484     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114485     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114486     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114487     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114488     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114489     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114490     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114491     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114492     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114493     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114494     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114495     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114496     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114497     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114498     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114499     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114500     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114501     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114502     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114503     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114504     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114505     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114506     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114507     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114508     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114509     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114510     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114511     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114512     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114513     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114514     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114515     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114516     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114517     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114518     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114519     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114520     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114521     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114522     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114523     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114524     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114525     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114526     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114527     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114528     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114529     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114530     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114531     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114532     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114533     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114534     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114535     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114536     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114537     0.0002724771      1.60      9.32      0.37
   SRCPARAM L0114538     0.0002724771      1.60      9.32      0.37
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SEGMENT31
   SRCPARAM L0114539     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114540     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114541     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114542     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114543     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114544     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114545     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114546     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114547     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114548     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114549     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114550     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114551     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114552     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114553     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114554     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114555     0.0001576923      1.40      9.38      0.33
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   SRCPARAM L0114558     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114559     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114560     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114561     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114562     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114563     0.0001576923      1.40      9.38      0.33
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   SRCPARAM L0114565     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114566     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114567     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114568     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114569     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114570     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114571     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114572     0.0001576923      1.40      9.38      0.33
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   SRCPARAM L0114574     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114575     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114576     0.0001576923      1.40      9.38      0.33
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   SRCPARAM L0114577     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114578     0.0001576923      1.40      9.38      0.33
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   SRCPARAM L0114580     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114581     0.0001576923      1.40      9.38      0.33
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   SRCPARAM L0114588     0.0001576923      1.40      9.38      0.33
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   SRCPARAM L0114601     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114602     0.0001576923      1.40      9.38      0.33
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   SRCPARAM L0114610     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114611     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114612     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114613     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114614     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114615     0.0001576923      1.40      9.38      0.33
   SRCPARAM L0114616     0.0001576923      1.40      9.38      0.33
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   SRCPARAM PHASE2        1.96E-09     2.500       24
   AREAVERT PHASE2       485955.126 3753354.752 485960.607 3752757.752
   AREAVERT PHASE2       487265.046 3752735.752 487270.339 3752537.752
   AREAVERT PHASE2       488306.339 3752532.752 488311.339 3752861.752
   AREAVERT PHASE2       489243.339 3752833.752 489248.339 3752439.752
   AREAVERT PHASE2       491062.339 3752444.752 490854.339 3752883.752
   AREAVERT PHASE2       490487.339 3753222.752 488733.750 3754233.804
   AREAVERT PHASE2       488611.086 3754487.983 488405.339 3754467.752
   AREAVERT PHASE2       487997.339 3755020.752 487759.339 3755283.752
   AREAVERT PHASE2       487242.339 3755300.752 487234.339 3755007.752
   AREAVERT PHASE2       487990.339 3755019.752 488170.339 3754780.752
   AREAVERT PHASE2       488472.339 3754353.752 488465.339 3753305.752
   AREAVERT PHASE2       487133.339 3753283.752 486826.339 3753359.752
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED LST_PM25_REV3_NR_REV1.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE RIVR2.SFC
   PROFFILE RIVR2.PFL
   SURFDATA 00002 2005
   UAIRDATA 3190 2005
   PROFBASE 250.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST LST_PM25_REV3_NR_REV1.AD\24H1GALL.PLT 31
   PLOTFILE ANNUAL ALL LST_PM25_REV3_NR_REV1.AD\AN00GALL.PLT 32
   SUMMFILE LST_PM25_REV3_NR_REV1.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***
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   ********   WARNING MESSAGES   ********
ME W530    2516 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

***********************************
*** SETUP Finishes Successfully ***
***********************************

♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                   *** PM2.5 - LST Assessment (No Refrigeration)                              ***        13:11:20
                                                                                                                          PAGE   1
**MODELOPTS:  NonDFAULT CONC                                                  ELEV
                        FASTALL

                                                  ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - -
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L0112024	0	0.56129E-03	486958.9	3754446.2	513.2	1.60	18.01	0.37	YES
L0112025	0	0.56129E-03	486920.1	3754446.6	514.0	1.60	18.01	0.37	YES
L0112026	0	0.56129E-03	486881.4	3754446.9	514.8	1.60	18.01	0.37	YES
L0112027	0	0.56129E-03	486842.7	3754447.2	515.9	1.60	18.01	0.37	YES
L0112028	0	0.56129E-03	486804.0	3754447.5	515.4	1.60	18.01	0.37	YES
L0112029	0	0.56129E-03	486765.3	3754447.9	516.1	1.60	18.01	0.37	YES
L0112030	0	0.56129E-03	486726.5	3754448.2	515.7	1.60	18.01	0.37	YES
L0112031	0	0.56129E-03	486687.8	3754448.5	514.3	1.60	18.01	0.37	YES
L0112032	0	0.56129E-03	486649.1	3754448.8	514.3	1.60	18.01	0.37	YES
L0112033	0	0.56129E-03	486610.4	3754449.2	514.9	1.60	18.01	0.37	YES
L0112034	0	0.56129E-03	486571.6	3754449.5	515.3	1.60	18.01	0.37	YES
L0112035	0	0.56129E-03	486532.9	3754449.8	514.6	1.60	18.01	0.37	YES
L0112036	0	0.56129E-03	486494.2	3754450.1	515.0	1.60	18.01	0.37	YES
L0112037	0	0.56129E-03	486455.5	3754450.5	514.5	1.60	18.01	0.37	YES
L0112038	0	0.56129E-03	486416.7	3754450.8	513.4	1.60	18.01	0.37	YES
L0112039	0	0.56129E-03	486378.0	3754451.1	513.4	1.60	18.01	0.37	YES
L0112040	0	0.56129E-03	486339.3	3754451.4	514.1	1.60	18.01	0.37	YES
L0112041	0	0.56129E-03	486300.6	3754451.8	515.0	1.60	18.01	0.37	YES
L0112042	0	0.56129E-03	486261.8	3754452.1	516.3	1.60	18.01	0.37	YES
L0112043	0	0.56129E-03	486223.1	3754452.4	516.8	1.60	18.01	0.37	YES

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112044	0	0.56129E-03	486184.7	3754451.5	514.9	1.60	18.01	0.37	YES	
L0112045	0	0.56129E-03	486151.5	3754431.5	512.5	1.60	18.01	0.37	YES	
L0112046	0	0.56129E-03	486118.3	3754411.6	510.2	1.60	18.01	0.37	YES	
L0112047	0	0.56129E-03	486085.1	3754391.7	509.3	1.60	18.01	0.37	YES	
L0112048	0	0.56129E-03	486051.9	3754371.8	509.0	1.60	18.01	0.37	YES	
L0112049	0	0.56129E-03	486030.1	3754341.3	509.3	1.60	18.01	0.37	YES	
L0112050	0	0.56129E-03	486012.8	3754306.6	509.9	1.60	18.01	0.37	YES	
L0112051	0	0.91200E-04	486005.7	3754293.4	510.6	1.30	17.72	0.30	YES	
L0112052	0	0.91200E-04	486005.3	3754255.3	509.5	1.30	17.72	0.30	YES	
L0112053	0	0.91200E-04	486004.9	3754217.2	507.6	1.30	17.72	0.30	YES	
L0112054	0	0.91200E-04	486004.6	3754179.1	507.9	1.30	17.72	0.30	YES	
L0112055	0	0.91200E-04	486004.2	3754141.1	508.0	1.30	17.72	0.30	YES	
L0112056	0	0.91200E-04	486003.8	3754103.0	506.8	1.30	17.72	0.30	YES	
L0112057	0	0.91200E-04	486003.4	3754064.9	506.3	1.30	17.72	0.30	YES	
L0112058	0	0.91200E-04	486003.1	3754026.8	505.2	1.30	17.72	0.30	YES	
L0112059	0	0.91200E-04	486002.7	3753988.7	505.0	1.30	17.72	0.30	YES	
L0112060	0	0.91200E-04	486002.3	3753950.6	504.1	1.30	17.72	0.30	YES	
L0112061	0	0.91200E-04	486001.9	3753912.5	503.4	1.30	17.72	0.30	YES	
L0112062	0	0.91200E-04	486001.5	3753874.4	502.2	1.30	17.72	0.30	YES	
L0112063	0	0.91200E-04	486001.2	3753836.3	500.9	1.30	17.72	0.30	YES	
L0112064	0	0.91200E-04	486000.8	3753798.2	499.6	1.30	17.72	0.30	YES	
L0112065	0	0.91200E-04	486000.4	3753760.2	499.7	1.30	17.72	0.30	YES	
L0112066	0	0.91200E-04	486000.0	3753722.1	501.9	1.30	17.72	0.30	YES	
L0112067	0	0.91200E-04	485999.6	3753684.0	501.6	1.30	17.72	0.30	YES	
L0112068	0	0.91200E-04	485999.3	3753645.9	499.0	1.30	17.72	0.30	YES	
L0112069	0	0.91200E-04	485998.9	3753607.8	496.5	1.30	17.72	0.30	YES	
L0112070	0	0.91200E-04	485998.5	3753569.7	496.0	1.30	17.72	0.30	YES	
L0112071	0	0.91200E-04	485998.1	3753531.6	496.5	1.30	17.72	0.30	YES	
L0112072	0	0.91200E-04	486006.9	3753496.0	495.3	1.30	17.72	0.30	YES	
L0112073	0	0.91200E-04	486026.7	3753463.5	492.8	1.30	17.72	0.30	YES	
L0112074	0	0.91200E-04	486046.5	3753431.0	491.4	1.30	17.72	0.30	YES	
L0112075	0	0.91200E-04	486066.3	3753398.4	492.3	1.30	17.72	0.30	YES	
L0114054	0	0.24000E-03	486083.6	3753385.4	494.2	1.30	24.05	0.30	YES	
L0114055	0	0.24000E-03	486132.0	3753367.1	494.8	1.30	24.05	0.30	YES	
L0114056	0	0.24000E-03	486182.6	3753360.8	495.1	1.30	24.05	0.30	YES	
L0114057	0	0.24000E-03	486234.3	3753360.1	495.2	1.30	24.05	0.30	YES	
L0114058	0	0.24000E-03	486286.0	3753359.4	495.2	1.30	24.05	0.30	YES	
L0114059	0	0.24000E-03	486337.7	3753358.7	495.3	1.30	24.05	0.30	YES	
L0114060	0	0.24000E-03	486389.4	3753358.0	495.4	1.30	24.05	0.30	YES	
L0114061	0	0.24000E-03	486441.1	3753357.4	495.5	1.30	24.05	0.30	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0114062	0	0.24000E-03	486492.9	3753356.7	495.6	1.30	24.05	0.30	YES	
L0114063	0	0.24000E-03	486544.6	3753356.0	495.7	1.30	24.05	0.30	YES	
L0114064	0	0.24000E-03	486596.3	3753355.3	495.8	1.30	24.05	0.30	YES	
L0114065	0	0.24000E-03	486648.0	3753354.6	495.8	1.30	24.05	0.30	YES	
L0114066	0	0.24000E-03	486699.7	3753353.9	495.9	1.30	24.05	0.30	YES	
L0114067	0	0.24000E-03	486751.2	3753351.7	495.9	1.30	24.05	0.30	YES	
L0114068	0	0.24000E-03	486801.8	3753341.0	495.1	1.30	24.05	0.30	YES	
L0114069	0	0.24000E-03	486852.4	3753330.4	494.2	1.30	24.05	0.30	YES	
L0114070	0	0.24000E-03	486903.0	3753319.8	493.4	1.30	24.05	0.30	YES	
L0114071	0	0.24000E-03	486953.6	3753309.2	492.6	1.30	24.05	0.30	YES	
L0114072	0	0.24000E-03	487004.2	3753298.6	491.8	1.30	24.05	0.30	YES	
L0114073	0	0.24000E-03	487054.8	3753288.0	491.0	1.30	24.05	0.30	YES	
L0114074	0	0.24000E-03	487105.5	3753277.3	490.2	1.30	24.05	0.30	YES	
L0114075	0	0.90526E-03	487123.3	3754433.6	511.7	1.60	29.19	0.37	YES	
L0114076	0	0.90526E-03	487122.3	3754370.9	510.5	1.60	29.19	0.37	YES	
L0114077	0	0.90526E-03	487121.3	3754308.1	509.3	1.60	29.19	0.37	YES	
L0114078	0	0.90526E-03	487120.3	3754245.4	508.1	1.60	29.19	0.37	YES	
L0114079	0	0.90526E-03	487119.3	3754182.7	506.9	1.60	29.19	0.37	YES	

L0114080	0	0.90526E-03	487118.3	3754119.9	505.8	1.60	29.19	0.37	YES
L0114081	0	0.90526E-03	487117.3	3754057.2	504.6	1.60	29.19	0.37	YES
L0114082	0	0.90526E-03	487116.3	3753994.4	503.4	1.60	29.19	0.37	YES
L0114083	0	0.90526E-03	487115.3	3753931.7	502.2	1.60	29.19	0.37	YES
L0114084	0	0.90526E-03	487114.3	3753868.9	501.0	1.60	29.19	0.37	YES
L0114085	0	0.90526E-03	487113.4	3753806.2	499.8	1.60	29.19	0.37	YES
L0114086	0	0.90526E-03	487112.4	3753743.4	498.6	1.60	29.19	0.37	YES
L0114087	0	0.90526E-03	487111.4	3753680.7	497.4	1.60	29.19	0.37	YES
L0114088	0	0.90526E-03	487110.4	3753618.0	496.2	1.60	29.19	0.37	YES
L0114089	0	0.90526E-03	487109.4	3753555.2	495.1	1.60	29.19	0.37	YES
L0114090	0	0.90526E-03	487108.4	3753492.5	493.9	1.60	29.19	0.37	YES
L0114091	0	0.90526E-03	487107.4	3753429.7	492.7	1.60	29.19	0.37	YES
L0114092	0	0.90526E-03	487106.4	3753367.0	491.5	1.60	29.19	0.37	YES
L0114093	0	0.90526E-03	487105.4	3753304.2	490.3	1.60	29.19	0.37	YES
L0112116	0	0.13444E-02	487102.6	3753284.4	489.2	1.10	29.21	0.26	YES
L0112117	0	0.13444E-02	487102.9	3753221.6	489.6	1.10	29.21	0.26	YES
L0112118	0	0.13444E-02	487103.2	3753158.8	486.8	1.10	29.21	0.26	YES
L0112119	0	0.13444E-02	487103.5	3753096.1	485.8	1.10	29.21	0.26	YES
L0112120	0	0.13444E-02	487103.8	3753033.3	485.0	1.10	29.21	0.26	YES
L0112121	0	0.13444E-02	487104.2	3752970.5	487.0	1.10	29.21	0.26	YES
L0112122	0	0.13444E-02	487104.5	3752907.7	484.9	1.10	29.21	0.26	YES
L0112123	0	0.13444E-02	487104.8	3752844.9	483.2	1.10	29.21	0.26	YES

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112124	0	0.13444E-02	487105.1	3752782.1	483.7	1.10	29.21	0.26	YES	
L0112125	0	0.23533E-03	486069.9	3753383.9	492.7	1.30	18.01	0.30	YES	
L0112126	0	0.23533E-03	486053.5	3753348.8	491.3	1.30	18.01	0.30	YES	
L0112127	0	0.23533E-03	486037.1	3753313.7	490.5	1.30	18.01	0.30	YES	
L0112128	0	0.23533E-03	486020.7	3753278.6	490.3	1.30	18.01	0.30	YES	
L0112129	0	0.23533E-03	486004.3	3753243.5	490.0	1.30	18.01	0.30	YES	
L0112130	0	0.23533E-03	485987.9	3753208.5	489.6	1.30	18.01	0.30	YES	
L0112131	0	0.23533E-03	485979.1	3753171.6	489.0	1.30	18.01	0.30	YES	
L0112132	0	0.23533E-03	485978.3	3753132.9	488.1	1.30	18.01	0.30	YES	
L0112133	0	0.23533E-03	485977.4	3753094.2	488.2	1.30	18.01	0.30	YES	
L0112134	0	0.23533E-03	485976.6	3753055.4	489.4	1.30	18.01	0.30	YES	
L0112135	0	0.23533E-03	485975.7	3753016.7	490.1	1.30	18.01	0.30	YES	
L0112136	0	0.23533E-03	485974.9	3752978.0	490.0	1.30	18.01	0.30	YES	
L0112137	0	0.23533E-03	485974.0	3752939.3	489.0	1.30	18.01	0.30	YES	
L0112138	0	0.23533E-03	485973.2	3752900.6	489.0	1.30	18.01	0.30	YES	
L0112139	0	0.23533E-03	485972.3	3752861.8	489.0	1.30	18.01	0.30	YES	
L0112140	0	0.23533E-03	485971.5	3752823.1	489.0	1.30	18.01	0.30	YES	
L0112141	0	0.23533E-03	485970.6	3752784.4	488.8	1.30	18.01	0.30	YES	
L0112142	0	0.23533E-03	485969.8	3752745.7	487.0	1.30	18.01	0.30	YES	
L0112143	0	0.23533E-03	485968.9	3752707.0	485.2	1.30	18.01	0.30	YES	
L0112144	0	0.23533E-03	485968.1	3752668.2	486.2	1.30	18.01	0.30	YES	
L0112145	0	0.23533E-03	485967.2	3752629.5	488.8	1.30	18.01	0.30	YES	
L0112146	0	0.23533E-03	485966.4	3752590.8	490.1	1.30	18.01	0.30	YES	
L0112147	0	0.23533E-03	485965.5	3752552.1	495.2	1.30	18.01	0.30	YES	
L0112148	0	0.23533E-03	485964.7	3752513.4	496.4	1.30	18.01	0.30	YES	
L0112149	0	0.23533E-03	485963.8	3752474.7	496.1	1.30	18.01	0.30	YES	
L0112150	0	0.23533E-03	485963.0	3752435.9	496.4	1.30	18.01	0.30	YES	
L0112151	0	0.23533E-03	485962.1	3752397.2	498.8	1.30	18.01	0.30	YES	
L0112152	0	0.23533E-03	485961.3	3752358.5	500.1	1.30	18.01	0.30	YES	
L0112153	0	0.23533E-03	485960.4	3752319.8	500.7	1.30	18.01	0.30	YES	
L0112154	0	0.23533E-03	485959.6	3752281.1	501.9	1.30	18.01	0.30	YES	
L0114094	0	0.89040E-05	485510.8	3754274.8	515.0	1.30	1.86	0.30	YES	
L0114095	0	0.89040E-05	485510.8	3754270.8	514.9	1.30	1.86	0.30	YES	
L0114096	0	0.89040E-05	485510.8	3754266.8	514.8	1.30	1.86	0.30	YES	
L0114097	0	0.89040E-05	485510.8	3754262.8	514.8	1.30	1.86	0.30	YES	
L0114098	0	0.89040E-05	485510.8	3754258.8	514.7	1.30	1.86	0.30	YES	
L0114099	0	0.89040E-05	485510.8	3754254.8	514.6	1.30	1.86	0.30	YES	
L0114100	0	0.89040E-05	485510.8	3754250.8	514.6	1.30	1.86	0.30	YES	
L0114101	0	0.89040E-05	485510.8	3754246.8	514.5	1.30	1.86	0.30	YES	
L0114102	0	0.89040E-05	485510.8	3754242.8	514.4	1.30	1.86	0.30	YES	

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0114103	0	0.89040E-05	485510.8	3754238.8	514.3	1.30	1.86	0.30	YES	
L0114104	0	0.89040E-05	485510.8	3754234.8	514.3	1.30	1.86	0.30	YES	
L0114105	0	0.89040E-05	485510.8	3754230.8	514.2	1.30	1.86	0.30	YES	
L0114106	0	0.89040E-05	485510.8	3754226.8	514.1	1.30	1.86	0.30	YES	
L0114107	0	0.89040E-05	485510.8	3754222.8	514.1	1.30	1.86	0.30	YES	
L0114108	0	0.89040E-05	485510.8	3754218.8	514.0	1.30	1.86	0.30	YES	
L0114109	0	0.89040E-05	485510.8	3754214.8	513.9	1.30	1.86	0.30	YES	
L0114110	0	0.89040E-05	485510.8	3754210.8	513.9	1.30	1.86	0.30	YES	
L0114111	0	0.89040E-05	485510.8	3754206.8	513.8	1.30	1.86	0.30	YES	
L0114112	0	0.89040E-05	485510.8	3754202.8	513.7	1.30	1.86	0.30	YES	
L0114113	0	0.89040E-05	485510.8	3754198.8	513.6	1.30	1.86	0.30	YES	
L0114114	0	0.89040E-05	485510.8	3754194.8	513.6	1.30	1.86	0.30	YES	
L0114115	0	0.89040E-05	485510.8	3754190.8	513.5	1.30	1.86	0.30	YES	
L0114116	0	0.89040E-05	485510.8	3754186.8	513.4	1.30	1.86	0.30	YES	
L0114117	0	0.89040E-05	485510.7	3754182.8	513.4	1.30	1.86	0.30	YES	
L0114118	0	0.89040E-05	485510.7	3754178.8	513.3	1.30	1.86	0.30	YES	

L0114119	0	0.89040E-05	485510.7	3754174.8	513.2	1.30	1.86	0.30	YES
L0114120	0	0.89040E-05	485510.7	3754170.9	513.2	1.30	1.86	0.30	YES
L0114121	0	0.89040E-05	485510.7	3754166.9	513.1	1.30	1.86	0.30	YES
L0114122	0	0.89040E-05	485510.7	3754162.9	513.0	1.30	1.86	0.30	YES
L0114123	0	0.89040E-05	485510.7	3754158.9	513.0	1.30	1.86	0.30	YES
L0114124	0	0.89040E-05	485510.7	3754154.9	512.9	1.30	1.86	0.30	YES
L0114125	0	0.89040E-05	485510.7	3754150.9	512.8	1.30	1.86	0.30	YES
L0114126	0	0.89040E-05	485510.7	3754146.9	512.8	1.30	1.86	0.30	YES
L0114127	0	0.89040E-05	485510.7	3754142.9	512.7	1.30	1.86	0.30	YES
L0114128	0	0.89040E-05	485510.7	3754138.9	512.6	1.30	1.86	0.30	YES
L0114129	0	0.89040E-05	485510.7	3754134.9	512.5	1.30	1.86	0.30	YES
L0114130	0	0.89040E-05	485510.7	3754130.9	512.5	1.30	1.86	0.30	YES
L0114131	0	0.89040E-05	485510.7	3754126.9	512.4	1.30	1.86	0.30	YES
L0114132	0	0.89040E-05	485510.7	3754122.9	512.3	1.30	1.86	0.30	YES
L0114133	0	0.89040E-05	485510.7	3754118.9	512.3	1.30	1.86	0.30	YES
L0114134	0	0.89040E-05	485510.7	3754114.9	512.2	1.30	1.86	0.30	YES
L0114135	0	0.89040E-05	485510.7	3754110.9	512.1	1.30	1.86	0.30	YES
L0114136	0	0.89040E-05	485510.7	3754106.9	512.0	1.30	1.86	0.30	YES
L0114137	0	0.89040E-05	485510.7	3754102.9	512.0	1.30	1.86	0.30	YES
L0114138	0	0.89040E-05	485510.7	3754098.9	511.9	1.30	1.86	0.30	YES
L0114139	0	0.89040E-05	485510.7	3754094.9	511.8	1.30	1.86	0.30	YES
L0114140	0	0.89040E-05	485510.6	3754090.9	511.8	1.30	1.86	0.30	YES
L0114141	0	0.89040E-05	485510.6	3754086.9	511.7	1.30	1.86	0.30	YES
L0114142	0	0.89040E-05	485510.6	3754082.9	511.6	1.30	1.86	0.30	YES

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0114143	0	0.89040E-05	485510.6	3754078.9	511.6	1.30	1.86	0.30	YES	
L0114144	0	0.89040E-05	485510.6	3754074.9	511.5	1.30	1.86	0.30	YES	
L0114145	0	0.89040E-05	485510.6	3754070.9	511.4	1.30	1.86	0.30	YES	
L0114146	0	0.89040E-05	485510.6	3754066.9	511.4	1.30	1.86	0.30	YES	
L0114147	0	0.89040E-05	485510.6	3754062.9	511.3	1.30	1.86	0.30	YES	
L0114148	0	0.89040E-05	485510.6	3754058.9	511.2	1.30	1.86	0.30	YES	
L0114149	0	0.89040E-05	485510.6	3754054.9	511.1	1.30	1.86	0.30	YES	
L0114150	0	0.89040E-05	485510.6	3754050.9	511.1	1.30	1.86	0.30	YES	
L0114151	0	0.89040E-05	485510.6	3754046.9	511.0	1.30	1.86	0.30	YES	
L0114152	0	0.89040E-05	485510.6	3754042.9	510.9	1.30	1.86	0.30	YES	
L0114153	0	0.89040E-05	485510.6	3754038.9	510.9	1.30	1.86	0.30	YES	
L0114154	0	0.89040E-05	485510.6	3754034.9	510.8	1.30	1.86	0.30	YES	
L0114155	0	0.89040E-05	485510.6	3754030.9	510.7	1.30	1.86	0.30	YES	
L0114156	0	0.89040E-05	485510.6	3754026.9	510.7	1.30	1.86	0.30	YES	
L0114157	0	0.89040E-05	485510.6	3754022.9	510.6	1.30	1.86	0.30	YES	
L0114158	0	0.89040E-05	485510.6	3754018.9	510.5	1.30	1.86	0.30	YES	
L0114159	0	0.89040E-05	485510.6	3754014.9	510.4	1.30	1.86	0.30	YES	
L0114160	0	0.89040E-05	485510.6	3754010.9	510.4	1.30	1.86	0.30	YES	
L0114161	0	0.89040E-05	485510.6	3754006.9	510.3	1.30	1.86	0.30	YES	
L0114162	0	0.89040E-05	485510.6	3754002.9	510.2	1.30	1.86	0.30	YES	
L0114163	0	0.89040E-05	485510.5	3753998.9	510.2	1.30	1.86	0.30	YES	
L0114164	0	0.89040E-05	485510.5	3753994.9	510.1	1.30	1.86	0.30	YES	
L0114165	0	0.89040E-05	485510.5	3753991.0	510.0	1.30	1.86	0.30	YES	
L0114166	0	0.89040E-05	485510.5	3753987.0	509.9	1.30	1.86	0.30	YES	
L0114167	0	0.89040E-05	485510.5	3753983.0	509.9	1.30	1.86	0.30	YES	
L0114168	0	0.89040E-05	485510.5	3753979.0	509.8	1.30	1.86	0.30	YES	
L0114169	0	0.89040E-05	485510.5	3753975.0	509.7	1.30	1.86	0.30	YES	
L0114170	0	0.89040E-05	485510.5	3753971.0	509.7	1.30	1.86	0.30	YES	
L0114171	0	0.89040E-05	485510.5	3753967.0	509.6	1.30	1.86	0.30	YES	
L0114172	0	0.89040E-05	485510.5	3753963.0	509.5	1.30	1.86	0.30	YES	
L0114173	0	0.89040E-05	485510.5	3753959.0	509.5	1.30	1.86	0.30	YES	
L0114174	0	0.89040E-05	485510.5	3753955.0	509.4	1.30	1.86	0.30	YES	
L0114175	0	0.89040E-05	485510.5	3753951.0	509.3	1.30	1.86	0.30	YES	
L0114176	0	0.89040E-05	485510.5	3753947.0	509.2	1.30	1.86	0.30	YES	
L0114177	0	0.89040E-05	485510.5	3753943.0	509.2	1.30	1.86	0.30	YES	
L0114178	0	0.89040E-05	485510.5	3753939.0	509.1	1.30	1.86	0.30	YES	
L0114179	0	0.89040E-05	485510.5	3753935.0	509.0	1.30	1.86	0.30	YES	
L0114180	0	0.89040E-05	485510.5	3753931.0	509.0	1.30	1.86	0.30	YES	
L0114181	0	0.89040E-05	485510.5	3753927.0	508.9	1.30	1.86	0.30	YES	
L0114182	0	0.89040E-05	485510.5	3753923.0	508.8	1.30	1.86	0.30	YES	

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0114183	0	0.89040E-05	485510.5	3753919.0	508.8	1.30	1.86	0.30	YES	
L0114184	0	0.89040E-05	485510.5	3753915.0	508.7	1.30	1.86	0.30	YES	
L0114185	0	0.89040E-05	485510.5	3753911.0	508.6	1.30	1.86	0.30	YES	
L0114186	0	0.89040E-05	485510.4	3753907.0	508.6	1.30	1.86	0.30	YES	
L0114187	0	0.89040E-05	485510.4	3753903.0	508.5	1.30	1.86	0.30	YES	
L0114188	0	0.89040E-05	485510.4	3753899.0	508.4	1.30	1.86	0.30	YES	
L0114189	0	0.89040E-05	485510.4	3753895.0	508.3	1.30	1.86	0.30	YES	
L0114190	0	0.89040E-05	485510.4	3753891.0	508.3	1.30	1.86	0.30	YES	
L0114191	0	0.89040E-05	485510.4	3753887.0	508.2	1.30	1.86	0.30	YES	
L0114192	0	0.89040E-05	485510.4	3753883.0	508.1	1.30	1.86	0.30	YES	
L0114193	0	0.89040E-05	485510.4	3753879.0	508.1	1.30	1.86	0.30	YES	
L0114194	0	0.89040E-05	485510.4	3753875.0	508.0	1.30	1.86	0.30	YES	
L0114195	0	0.89040E-05	485510.4	3753871.0	507.9	1.30	1.86	0.30	YES	
L0114196	0	0.89040E-05	485510.4	3753867.0	507.9	1.30	1.86	0.30	YES	

L0114197	0	0.89040E-05	485510.4	3753863.0	507.8	1.30	1.86	0.30	YES
L0114198	0	0.89040E-05	485510.4	3753859.0	507.7	1.30	1.86	0.30	YES
L0114199	0	0.89040E-05	485510.4	3753855.0	507.6	1.30	1.86	0.30	YES
L0114200	0	0.89040E-05	485510.4	3753851.0	507.6	1.30	1.86	0.30	YES
L0114201	0	0.89040E-05	485510.4	3753847.0	507.5	1.30	1.86	0.30	YES
L0114202	0	0.89040E-05	485510.4	3753843.0	507.4	1.30	1.86	0.30	YES
L0114203	0	0.89040E-05	485510.4	3753839.0	507.4	1.30	1.86	0.30	YES
L0114204	0	0.89040E-05	485510.4	3753835.0	507.3	1.30	1.86	0.30	YES
L0114205	0	0.89040E-05	485510.4	3753831.0	507.2	1.30	1.86	0.30	YES
L0114206	0	0.89040E-05	485510.4	3753827.0	507.2	1.30	1.86	0.30	YES
L0114207	0	0.89040E-05	485510.4	3753823.0	507.1	1.30	1.86	0.30	YES
L0114208	0	0.89040E-05	485510.4	3753819.0	507.0	1.30	1.86	0.30	YES
L0114209	0	0.89040E-05	485510.3	3753815.0	506.9	1.30	1.86	0.30	YES
L0114210	0	0.89040E-05	485510.3	3753811.1	506.9	1.30	1.86	0.30	YES
L0114211	0	0.89040E-05	485510.3	3753807.1	506.8	1.30	1.86	0.30	YES
L0114212	0	0.89040E-05	485510.3	3753803.1	506.7	1.30	1.86	0.30	YES
L0114213	0	0.89040E-05	485510.3	3753799.1	506.7	1.30	1.86	0.30	YES
L0114214	0	0.89040E-05	485510.3	3753795.1	506.6	1.30	1.86	0.30	YES
L0114215	0	0.89040E-05	485510.3	3753791.1	506.5	1.30	1.86	0.30	YES
L0114216	0	0.89040E-05	485510.3	3753787.1	506.5	1.30	1.86	0.30	YES
L0114217	0	0.89040E-05	485510.3	3753783.1	506.4	1.30	1.86	0.30	YES
L0114218	0	0.89040E-05	485510.3	3753779.1	506.3	1.30	1.86	0.30	YES
L0114219	0	0.89040E-05	485510.3	3753775.1	506.2	1.30	1.86	0.30	YES
L0114220	0	0.89040E-05	485510.3	3753771.1	506.2	1.30	1.86	0.30	YES
L0114221	0	0.89040E-05	485510.3	3753767.1	506.1	1.30	1.86	0.30	YES
L0114222	0	0.89040E-05	485510.3	3753763.1	506.0	1.30	1.86	0.30	YES

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0114223	0	0.89040E-05	485510.3	3753759.1	506.0	1.30	1.86	0.30	YES	
L0114224	0	0.89040E-05	485510.3	3753755.1	505.9	1.30	1.86	0.30	YES	
L0114225	0	0.89040E-05	485510.3	3753751.1	505.8	1.30	1.86	0.30	YES	
L0114226	0	0.89040E-05	485510.3	3753747.1	505.8	1.30	1.86	0.30	YES	
L0114227	0	0.89040E-05	485510.3	3753743.1	505.7	1.30	1.86	0.30	YES	
L0114228	0	0.89040E-05	485510.3	3753739.1	505.6	1.30	1.86	0.30	YES	
L0114229	0	0.89040E-05	485510.3	3753735.1	505.6	1.30	1.86	0.30	YES	
L0114230	0	0.89040E-05	485510.3	3753731.1	505.5	1.30	1.86	0.30	YES	
L0114231	0	0.89040E-05	485510.3	3753727.1	505.4	1.30	1.86	0.30	YES	
L0114232	0	0.89040E-05	485510.2	3753723.1	505.3	1.30	1.86	0.30	YES	
L0114233	0	0.89040E-05	485510.2	3753719.1	505.3	1.30	1.86	0.30	YES	
L0114234	0	0.89040E-05	485510.2	3753715.1	505.2	1.30	1.86	0.30	YES	
L0114235	0	0.89040E-05	485510.2	3753711.1	505.1	1.30	1.86	0.30	YES	
L0114236	0	0.89040E-05	485510.2	3753707.1	505.1	1.30	1.86	0.30	YES	
L0114237	0	0.89040E-05	485510.2	3753703.1	505.0	1.30	1.86	0.30	YES	
L0114238	0	0.89040E-05	485510.2	3753699.1	504.9	1.30	1.86	0.30	YES	
L0114239	0	0.89040E-05	485510.2	3753695.1	504.9	1.30	1.86	0.30	YES	
L0114240	0	0.89040E-05	485510.2	3753691.1	504.8	1.30	1.86	0.30	YES	
L0114241	0	0.89040E-05	485510.2	3753687.1	504.7	1.30	1.86	0.30	YES	
L0114242	0	0.89040E-05	485510.2	3753683.1	504.6	1.30	1.86	0.30	YES	
L0114243	0	0.89040E-05	485510.2	3753679.1	504.6	1.30	1.86	0.30	YES	
L0114244	0	0.89040E-05	485510.2	3753675.1	504.5	1.30	1.86	0.30	YES	
L0114245	0	0.89040E-05	485510.2	3753671.1	504.4	1.30	1.86	0.30	YES	
L0114246	0	0.89040E-05	485510.2	3753667.1	504.4	1.30	1.86	0.30	YES	
L0114247	0	0.89040E-05	485510.2	3753663.1	504.3	1.30	1.86	0.30	YES	
L0114248	0	0.89040E-05	485510.2	3753659.1	504.2	1.30	1.86	0.30	YES	
L0114249	0	0.89040E-05	485510.2	3753655.1	504.2	1.30	1.86	0.30	YES	
L0114250	0	0.89040E-05	485510.2	3753651.1	504.1	1.30	1.86	0.30	YES	
L0114251	0	0.89040E-05	485510.2	3753647.1	504.0	1.30	1.86	0.30	YES	
L0114252	0	0.89040E-05	485510.2	3753643.1	503.9	1.30	1.86	0.30	YES	
L0114253	0	0.89040E-05	485510.2	3753639.1	503.9	1.30	1.86	0.30	YES	
L0114254	0	0.89040E-05	485510.2	3753635.1	503.8	1.30	1.86	0.30	YES	
L0114255	0	0.89040E-05	485510.1	3753631.2	503.7	1.30	1.86	0.30	YES	
L0114256	0	0.89040E-05	485510.1	3753627.2	503.7	1.30	1.86	0.30	YES	
L0114257	0	0.89040E-05	485510.1	3753623.2	503.6	1.30	1.86	0.30	YES	
L0114258	0	0.89040E-05	485510.1	3753619.2	503.5	1.30	1.86	0.30	YES	
L0114259	0	0.89040E-05	485510.1	3753615.2	503.4	1.30	1.86	0.30	YES	
L0114260	0	0.89040E-05	485510.1	3753611.2	503.4	1.30	1.86	0.30	YES	
L0114261	0	0.89040E-05	485510.1	3753607.2	503.3	1.30	1.86	0.30	YES	
L0114262	0	0.89040E-05	485510.1	3753603.2	503.2	1.30	1.86	0.30	YES	

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0114263	0	0.89040E-05	485510.1	3753599.2	503.2	1.30	1.86	0.30	YES	
L0114264	0	0.89040E-05	485510.1	3753595.2	503.1	1.30	1.86	0.30	YES	
L0114265	0	0.89040E-05	485510.1	3753591.2	503.0	1.30	1.86	0.30	YES	
L0114266	0	0.89040E-05	485510.1	3753587.2	503.0	1.30	1.86	0.30	YES	
L0114267	0	0.89040E-05	485510.1	3753583.2	502.9	1.30	1.86	0.30	YES	
L0114268	0	0.89040E-05	485510.1	3753579.2	502.8	1.30	1.86	0.30	YES	
L0114269	0	0.89040E-05	485510.1	3753575.2	502.8	1.30	1.86	0.30	YES	
L0114270	0	0.89040E-05	485510.1	3753571.2	502.7	1.30	1.86	0.30	YES	
L0114271	0	0.89040E-05	485510.1	3753567.2	502.6	1.30	1.86	0.30	YES	
L0114272	0	0.89040E-05	485510.1	3753563.2	502.5	1.30	1.86	0.30	YES	
L0114273	0	0.89040E-05	485510.1	3753559.2	502.5	1.30	1.86	0.30	YES	
L0114274	0	0.89040E-05	485510.1	3753555.2	502.4	1.30	1.86	0.30	YES	

L0114275	0	0.89040E-05	485510.1	3753551.2	502.3	1.30	1.86	0.30	YES
L0114276	0	0.89040E-05	485510.1	3753547.2	502.3	1.30	1.86	0.30	YES
L0114277	0	0.89040E-05	485510.1	3753543.2	502.2	1.30	1.86	0.30	YES
L0114278	0	0.89040E-05	485510.0	3753539.2	502.1	1.30	1.86	0.30	YES
L0114279	0	0.89040E-05	485510.0	3753535.2	502.1	1.30	1.86	0.30	YES
L0114280	0	0.89040E-05	485510.0	3753531.2	502.0	1.30	1.86	0.30	YES
L0114281	0	0.89040E-05	485510.0	3753527.2	501.9	1.30	1.86	0.30	YES
L0114282	0	0.89040E-05	485510.0	3753523.2	501.8	1.30	1.86	0.30	YES
L0114283	0	0.89040E-05	485510.0	3753519.2	501.8	1.30	1.86	0.30	YES
L0114284	0	0.89040E-05	485510.0	3753515.2	501.7	1.30	1.86	0.30	YES
L0114285	0	0.89040E-05	485510.0	3753511.2	501.6	1.30	1.86	0.30	YES
L0114286	0	0.89040E-05	485510.0	3753507.2	501.6	1.30	1.86	0.30	YES
L0114287	0	0.89040E-05	485510.0	3753503.2	501.5	1.30	1.86	0.30	YES
L0114288	0	0.89040E-05	485510.0	3753499.2	501.4	1.30	1.86	0.30	YES
L0114289	0	0.89040E-05	485510.0	3753495.2	501.4	1.30	1.86	0.30	YES
L0114290	0	0.89040E-05	485510.0	3753491.2	501.3	1.30	1.86	0.30	YES
L0114291	0	0.89040E-05	485510.0	3753487.2	501.2	1.30	1.86	0.30	YES
L0114292	0	0.89040E-05	485510.0	3753483.2	501.2	1.30	1.86	0.30	YES
L0114293	0	0.89040E-05	485510.0	3753479.2	501.1	1.30	1.86	0.30	YES
L0114294	0	0.89040E-05	485510.0	3753475.2	501.0	1.30	1.86	0.30	YES
L0114295	0	0.89040E-05	485510.0	3753471.2	500.9	1.30	1.86	0.30	YES
L0114296	0	0.89040E-05	485510.0	3753467.2	500.9	1.30	1.86	0.30	YES
L0114297	0	0.89040E-05	485510.0	3753463.2	500.8	1.30	1.86	0.30	YES
L0114298	0	0.89040E-05	485510.0	3753459.2	500.7	1.30	1.86	0.30	YES
L0114299	0	0.89040E-05	485510.0	3753455.2	500.7	1.30	1.86	0.30	YES
L0114300	0	0.89040E-05	485510.0	3753451.3	500.6	1.30	1.86	0.30	YES
L0114301	0	0.89040E-05	485510.0	3753447.3	500.5	1.30	1.86	0.30	YES
L0114302	0	0.89040E-05	485509.9	3753443.3	500.4	1.30	1.86	0.30	YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0114303	0	0.89040E-05	485509.9	3753439.3	500.4	1.30	1.86	0.30	YES	
L0114304	0	0.89040E-05	485509.9	3753435.3	500.3	1.30	1.86	0.30	YES	
L0114305	0	0.89040E-05	485509.9	3753431.3	500.2	1.30	1.86	0.30	YES	
L0114306	0	0.89040E-05	485509.9	3753427.3	500.2	1.30	1.86	0.30	YES	
L0114307	0	0.89040E-05	485509.9	3753423.3	500.1	1.30	1.86	0.30	YES	
L0114308	0	0.89040E-05	485509.9	3753419.3	500.0	1.30	1.86	0.30	YES	
L0114309	0	0.89040E-05	485509.9	3753415.3	500.0	1.30	1.86	0.30	YES	
L0114310	0	0.89040E-05	485509.9	3753411.3	499.9	1.30	1.86	0.30	YES	
L0114311	0	0.89040E-05	485509.9	3753407.3	499.8	1.30	1.86	0.30	YES	
L0114312	0	0.89040E-05	485509.9	3753403.3	499.8	1.30	1.86	0.30	YES	
L0114313	0	0.89040E-05	485509.9	3753399.3	499.7	1.30	1.86	0.30	YES	
L0114314	0	0.89040E-05	485509.9	3753395.3	499.6	1.30	1.86	0.30	YES	
L0114315	0	0.89040E-05	485509.9	3753391.3	499.5	1.30	1.86	0.30	YES	
L0114316	0	0.89040E-05	485509.9	3753387.3	499.5	1.30	1.86	0.30	YES	
L0114317	0	0.89040E-05	485509.9	3753383.3	499.4	1.30	1.86	0.30	YES	
L0114318	0	0.89040E-05	485509.9	3753379.3	499.3	1.30	1.86	0.30	YES	
L0114319	0	0.89040E-05	485509.9	3753375.3	499.3	1.30	1.86	0.30	YES	
L0114320	0	0.89040E-05	485509.9	3753371.3	499.2	1.30	1.86	0.30	YES	
L0114321	0	0.89040E-05	485509.9	3753367.3	499.1	1.30	1.86	0.30	YES	
L0114322	0	0.89040E-05	485509.9	3753363.3	499.1	1.30	1.86	0.30	YES	
L0114323	0	0.89040E-05	485509.9	3753359.3	499.0	1.30	1.86	0.30	YES	
L0114324	0	0.89040E-05	485509.9	3753355.3	498.9	1.30	1.86	0.30	YES	
L0114325	0	0.89040E-05	485509.8	3753351.3	498.8	1.30	1.86	0.30	YES	
L0114326	0	0.89040E-05	485509.8	3753347.3	498.8	1.30	1.86	0.30	YES	
L0114327	0	0.89040E-05	485509.8	3753343.3	498.7	1.30	1.86	0.30	YES	
L0114328	0	0.89040E-05	485509.8	3753339.3	498.6	1.30	1.86	0.30	YES	
L0114329	0	0.89040E-05	485509.8	3753335.3	498.6	1.30	1.86	0.30	YES	
L0114330	0	0.89040E-05	485509.8	3753331.3	498.5	1.30	1.86	0.30	YES	
L0114331	0	0.89040E-05	485509.8	3753327.3	498.4	1.30	1.86	0.30	YES	
L0114332	0	0.89040E-05	485509.8	3753323.3	498.4	1.30	1.86	0.30	YES	
L0114333	0	0.89040E-05	485509.8	3753319.3	498.3	1.30	1.86	0.30	YES	
L0114334	0	0.89040E-05	485509.8	3753315.3	498.2	1.30	1.86	0.30	YES	
L0114335	0	0.89040E-05	485509.8	3753311.3	498.1	1.30	1.86	0.30	YES	
L0114336	0	0.89040E-05	485509.8	3753307.3	498.1	1.30	1.86	0.30	YES	
L0114337	0	0.89040E-05	485509.8	3753303.3	498.0	1.30	1.86	0.30	YES	
L0114338	0	0.89040E-05	485509.8	3753299.3	497.9	1.30	1.86	0.30	YES	
L0114339	0	0.89040E-05	485509.8	3753295.3	497.9	1.30	1.86	0.30	YES	
L0114340	0	0.89040E-05	485509.8	3753291.3	497.8	1.30	1.86	0.30	YES	
L0114341	0	0.89040E-05	485509.8	3753287.3	497.7	1.30	1.86	0.30	YES	
L0114342	0	0.89040E-05	485509.8	3753283.3	497.7	1.30	1.86	0.30	YES	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0114343	0	0.89040E-05	485509.8	3753279.3	497.6	1.30	1.86	0.30	YES	
L0114344	0	0.89040E-05	485509.8	3753275.4	497.5	1.30	1.86	0.30	YES	
L0114345	0	0.89040E-05	485509.8	3753271.4	497.4	1.30	1.86	0.30	YES	
L0114346	0	0.89040E-05	485509.8	3753267.4	497.4	1.30	1.86	0.30	YES	
L0114347	0	0.89040E-05	485509.8	3753263.4	497.3	1.30	1.86	0.30	YES	
L0114348	0	0.89040E-05	485509.7	3753259.4	497.2	1.30	1.86	0.30	YES	
L0114349	0	0.89040E-05	485509.7	3753255.4	497.2	1.30	1.86	0.30	YES	
L0114350	0	0.89040E-05	485509.7	3753251.4	497.1	1.30	1.86	0.30	YES	
L0114351	0	0.89040E-05	485509.7	3753247.4	497.0	1.30	1.86	0.30	YES	
L0114352	0	0.89040E-05	485509.7	3753243.4	496.9	1.30	1.86	0.30	YES	

L0114353	0	0.89040E-05	485509.7	3753239.4	496.9	1.30	1.86	0.30	YES
L0114354	0	0.89040E-05	485509.7	3753235.4	496.8	1.30	1.86	0.30	YES
L0114355	0	0.89040E-05	485509.7	3753231.4	496.7	1.30	1.86	0.30	YES
L0114356	0	0.89040E-05	485509.7	3753227.4	496.7	1.30	1.86	0.30	YES
L0114357	0	0.89040E-05	485509.7	3753223.4	496.6	1.30	1.86	0.30	YES
L0114358	0	0.89040E-05	485509.7	3753219.4	496.5	1.30	1.86	0.30	YES
L0114359	0	0.89040E-05	485509.7	3753215.4	496.5	1.30	1.86	0.30	YES
L0114360	0	0.89040E-05	485509.7	3753211.4	496.4	1.30	1.86	0.30	YES
L0114361	0	0.89040E-05	485509.7	3753207.4	496.3	1.30	1.86	0.30	YES
L0114362	0	0.89040E-05	485509.7	3753203.4	496.2	1.30	1.86	0.30	YES
L0114363	0	0.89040E-05	485509.7	3753199.4	496.2	1.30	1.86	0.30	YES
L0114364	0	0.89040E-05	485509.7	3753195.4	496.1	1.30	1.86	0.30	YES
L0114365	0	0.89040E-05	485509.7	3753191.4	496.0	1.30	1.86	0.30	YES
L0114366	0	0.89040E-05	485509.7	3753187.4	496.0	1.30	1.86	0.30	YES
L0114367	0	0.89040E-05	485509.7	3753183.4	495.9	1.30	1.86	0.30	YES
L0114368	0	0.89040E-05	485509.7	3753179.4	495.8	1.30	1.86	0.30	YES
L0114369	0	0.89040E-05	485509.7	3753175.4	495.8	1.30	1.86	0.30	YES
L0114370	0	0.89040E-05	485509.7	3753171.4	495.7	1.30	1.86	0.30	YES
L0114371	0	0.89040E-05	485509.6	3753167.4	495.6	1.30	1.86	0.30	YES
L0114372	0	0.89040E-05	485509.6	3753163.4	495.6	1.30	1.86	0.30	YES
L0114373	0	0.89040E-05	485509.6	3753159.4	495.5	1.30	1.86	0.30	YES
L0114374	0	0.89040E-05	485509.6	3753155.4	495.4	1.30	1.86	0.30	YES
L0114375	0	0.89040E-05	485509.6	3753151.4	495.4	1.30	1.86	0.30	YES
L0114376	0	0.89040E-05	485509.6	3753147.4	495.3	1.30	1.86	0.30	YES
L0114377	0	0.89040E-05	485509.6	3753143.4	495.2	1.30	1.86	0.30	YES
L0114378	0	0.89040E-05	485509.6	3753139.4	495.1	1.30	1.86	0.30	YES
L0114379	0	0.89040E-05	485509.6	3753135.4	495.1	1.30	1.86	0.30	YES
L0114380	0	0.89040E-05	485509.6	3753131.4	495.0	1.30	1.86	0.30	YES
L0114381	0	0.89040E-05	485509.6	3753127.4	494.9	1.30	1.86	0.30	YES
L0114382	0	0.89040E-05	485509.6	3753123.4	494.9	1.30	1.86	0.30	YES

**MODELOPTs: NonDFAULT CONC ELEV
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0114383	0	0.89040E-05	485509.6	3753119.4	494.8	1.30	1.86	0.30	YES	
L0114384	0	0.89040E-05	485509.6	3753115.4	494.7	1.30	1.86	0.30	YES	
L0114385	0	0.89040E-05	485509.6	3753111.4	494.7	1.30	1.86	0.30	YES	
L0114386	0	0.89040E-05	485509.6	3753107.4	494.6	1.30	1.86	0.30	YES	
L0114387	0	0.89040E-05	485509.6	3753103.4	494.5	1.30	1.86	0.30	YES	
L0114388	0	0.89040E-05	485509.6	3753099.4	494.4	1.30	1.86	0.30	YES	
L0114389	0	0.89040E-05	485509.6	3753095.5	494.4	1.30	1.86	0.30	YES	
L0114390	0	0.89040E-05	485509.6	3753091.5	494.3	1.30	1.86	0.30	YES	
L0114391	0	0.89040E-05	485509.6	3753087.5	494.2	1.30	1.86	0.30	YES	
L0114392	0	0.89040E-05	485509.6	3753083.5	494.2	1.30	1.86	0.30	YES	
L0114393	0	0.89040E-05	485509.6	3753079.5	494.1	1.30	1.86	0.30	YES	
L0114394	0	0.89040E-05	485509.5	3753075.5	494.0	1.30	1.86	0.30	YES	
L0113686	0	0.16160E-03	485533.3	3755083.2	531.2	1.50	15.63	0.35	YES	
L0113687	0	0.16160E-03	485532.5	3755049.6	528.8	1.50	15.63	0.35	YES	
L0113688	0	0.16160E-03	485531.8	3755016.0	528.2	1.50	15.63	0.35	YES	
L0113689	0	0.16160E-03	485531.1	3754982.4	528.0	1.50	15.63	0.35	YES	
L0113690	0	0.16160E-03	485530.4	3754948.8	526.6	1.50	15.63	0.35	YES	
L0113691	0	0.16160E-03	485529.7	3754915.2	525.4	1.50	15.63	0.35	YES	
L0113692	0	0.16160E-03	485528.9	3754881.6	522.9	1.50	15.63	0.35	YES	
L0113693	0	0.16160E-03	485528.2	3754848.0	520.4	1.50	15.63	0.35	YES	
L0113694	0	0.16160E-03	485527.5	3754814.4	523.2	1.50	15.63	0.35	YES	
L0113695	0	0.16160E-03	485526.8	3754780.8	526.0	1.50	15.63	0.35	YES	
L0113696	0	0.16160E-03	485526.0	3754747.2	526.7	1.50	15.63	0.35	YES	
L0113697	0	0.16160E-03	485525.3	3754713.6	524.2	1.50	15.63	0.35	YES	
L0113698	0	0.16160E-03	485524.6	3754680.1	521.8	1.50	15.63	0.35	YES	
L0113699	0	0.16160E-03	485523.9	3754646.5	521.8	1.50	15.63	0.35	YES	
L0113700	0	0.16160E-03	485523.2	3754612.9	522.1	1.50	15.63	0.35	YES	
L0113701	0	0.16160E-03	485522.4	3754579.3	522.2	1.50	15.63	0.35	YES	
L0113702	0	0.16160E-03	485521.7	3754545.7	519.1	1.50	15.63	0.35	YES	
L0113703	0	0.16160E-03	485521.0	3754512.1	515.2	1.50	15.63	0.35	YES	
L0113704	0	0.16160E-03	485520.3	3754478.5	514.7	1.50	15.63	0.35	YES	
L0113705	0	0.16160E-03	485519.5	3754444.9	516.7	1.50	15.63	0.35	YES	
L0113706	0	0.16160E-03	485518.8	3754411.3	517.0	1.50	15.63	0.35	YES	
L0113707	0	0.16160E-03	485518.1	3754377.7	516.0	1.50	15.63	0.35	YES	
L0113708	0	0.16160E-03	485517.4	3754344.1	515.1	1.50	15.63	0.35	YES	
L0113709	0	0.16160E-03	485516.7	3754310.5	515.0	1.50	15.63	0.35	YES	
L0113710	0	0.16160E-03	485515.9	3754276.9	514.6	1.50	15.63	0.35	YES	
L0113711	0	0.31389E-03	485516.8	3755054.2	529.9	1.50	23.83	0.35	YES	
L0113712	0	0.31389E-03	485568.1	3755054.0	528.6	1.50	23.83	0.35	YES	
L0113713	0	0.31389E-03	485619.3	3755053.8	530.8	1.50	23.83	0.35	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0113714	0	0.31389E-03	485670.5	3755053.6	532.5	1.50	23.83	0.35	YES	
L0113715	0	0.31389E-03	485721.7	3755053.4	534.2	1.50	23.83	0.35	YES	
L0113716	0	0.31389E-03	485773.0	3755053.2	531.1	1.50	23.83	0.35	YES	
L0113717	0	0.31389E-03	485824.2	3755053.0	529.5	1.50	23.83	0.35	YES	
L0113718	0	0.31389E-03	485875.4	3755052.8	529.8	1.50	23.83	0.35	YES	
L0113719	0	0.31389E-03	485926.7	3755052.6	530.9	1.50	23.83	0.35	YES	
L0113720	0	0.31389E-03	485977.9	3755052.4	529.7	1.50	23.83	0.35	YES	
L0113721	0	0.31389E-03	486029.1	3755052.2	529.4	1.50	23.83	0.35	YES	

L0113722	0	0.31389E-03	486080.4	3755052.0	529.5	1.50	23.83	0.35	YES
L0113723	0	0.31389E-03	486131.6	3755051.8	529.5	1.50	23.83	0.35	YES
L0113724	0	0.31389E-03	486182.8	3755051.6	530.3	1.50	23.83	0.35	YES
L0113725	0	0.31389E-03	486234.0	3755051.3	527.4	1.50	23.83	0.35	YES
L0113726	0	0.31389E-03	486285.3	3755051.1	527.0	1.50	23.83	0.35	YES
L0113727	0	0.31389E-03	486336.5	3755050.9	526.5	1.50	23.83	0.35	YES
L0113728	0	0.31389E-03	486387.7	3755050.7	527.3	1.50	23.83	0.35	YES
L0114395	0	0.26533E-03	486398.6	3755051.8	530.0	1.60	23.51	0.37	YES
L0114396	0	0.26533E-03	486449.1	3755051.3	530.3	1.60	23.51	0.37	YES
L0114397	0	0.26533E-03	486499.7	3755050.8	530.5	1.60	23.51	0.37	YES
L0114398	0	0.26533E-03	486550.2	3755050.4	530.7	1.60	23.51	0.37	YES
L0114399	0	0.26533E-03	486600.7	3755049.9	530.9	1.60	23.51	0.37	YES
L0114400	0	0.26533E-03	486651.3	3755049.4	531.1	1.60	23.51	0.37	YES
L0114401	0	0.26533E-03	486701.8	3755049.0	531.3	1.60	23.51	0.37	YES
L0114402	0	0.26533E-03	486752.4	3755048.5	531.5	1.60	23.51	0.37	YES
L0114403	0	0.26533E-03	486802.9	3755048.1	531.7	1.60	23.51	0.37	YES
L0114404	0	0.26533E-03	486853.5	3755047.6	531.9	1.60	23.51	0.37	YES
L0114405	0	0.26533E-03	486904.0	3755047.1	532.1	1.60	23.51	0.37	YES
L0114406	0	0.26533E-03	486954.6	3755046.7	532.3	1.60	23.51	0.37	YES
L0114407	0	0.26533E-03	487005.1	3755046.2	532.5	1.60	23.51	0.37	YES
L0114408	0	0.26533E-03	487055.7	3755045.8	532.7	1.60	23.51	0.37	YES
L0114409	0	0.26533E-03	487106.2	3755045.3	532.9	1.60	23.51	0.37	YES
L0113744	0	0.11688E-03	487151.1	3755042.2	530.6	1.60	23.38	0.37	YES
L0113745	0	0.11688E-03	487201.3	3755039.4	528.0	1.60	23.38	0.37	YES
L0113746	0	0.11688E-03	487251.5	3755036.7	528.5	1.60	23.38	0.37	YES
L0113747	0	0.11688E-03	487301.7	3755033.9	528.6	1.60	23.38	0.37	YES
L0113748	0	0.11688E-03	487351.3	3755025.8	526.0	1.60	23.38	0.37	YES
L0113749	0	0.11688E-03	487400.9	3755017.8	524.6	1.60	23.38	0.37	YES
L0113750	0	0.11688E-03	487450.5	3755009.8	524.4	1.60	23.38	0.37	YES
L0113751	0	0.11688E-03	487500.1	3755001.7	526.0	1.60	23.38	0.37	YES
L0113752	0	0.11688E-03	487549.9	3754996.4	528.3	1.60	23.38	0.37	YES
L0113753	0	0.11688E-03	487600.2	3754997.7	529.2	1.60	23.38	0.37	YES

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L0113754	0	0.11688E-03	487650.4	3754999.0	526.2	1.60	23.38	0.37	YES	
L0113755	0	0.11688E-03	487700.6	3755000.3	523.0	1.60	23.38	0.37	YES	
L0113756	0	0.11688E-03	487749.5	3754990.1	522.3	1.60	23.38	0.37	YES	
L0113757	0	0.11688E-03	487798.0	3754976.9	523.3	1.60	23.38	0.37	YES	
L0113758	0	0.11688E-03	487846.5	3754963.7	524.1	1.60	23.38	0.37	YES	
L0113759	0	0.11688E-03	487895.0	3754950.4	525.8	1.60	23.38	0.37	YES	
L0113760	0	0.59231E-04	487919.9	3754938.9	524.6	1.50	24.10	0.35	YES	
L0113761	0	0.59231E-04	487964.8	3754913.0	521.9	1.50	24.10	0.35	YES	
L0113762	0	0.59231E-04	488009.7	3754887.1	519.8	1.50	24.10	0.35	YES	
L0113763	0	0.59231E-04	488053.4	3754859.6	519.4	1.50	24.10	0.35	YES	
L0113764	0	0.59231E-04	488094.9	3754828.5	519.2	1.50	24.10	0.35	YES	
L0113765	0	0.59231E-04	488136.3	3754797.4	520.5	1.50	24.10	0.35	YES	
L0113766	0	0.59231E-04	488178.6	3754767.9	521.2	1.50	24.10	0.35	YES	
L0113767	0	0.59231E-04	488228.5	3754753.9	522.9	1.50	24.10	0.35	YES	
L0113768	0	0.59231E-04	488278.4	3754739.9	523.0	1.50	24.10	0.35	YES	
L0113769	0	0.59231E-04	488329.2	3754731.6	521.5	1.50	24.10	0.35	YES	
L0113770	0	0.59231E-04	488380.9	3754728.1	523.9	1.50	24.10	0.35	YES	
L0113771	0	0.59231E-04	488432.6	3754724.6	528.0	1.50	24.10	0.35	YES	
L0113772	0	0.59231E-04	488484.3	3754721.0	524.8	1.50	24.10	0.35	YES	
L0112242	0	0.18250E-03	487131.3	3754448.5	506.6	1.60	17.64	0.37	YES	
L0112243	0	0.18250E-03	487169.2	3754446.5	506.0	1.60	17.64	0.37	YES	
L0112244	0	0.18250E-03	487207.0	3754444.4	508.1	1.60	17.64	0.37	YES	
L0112245	0	0.18250E-03	487244.9	3754442.4	509.1	1.60	17.64	0.37	YES	
L0112246	0	0.18250E-03	487282.8	3754440.4	509.8	1.60	17.64	0.37	YES	
L0112247	0	0.18250E-03	487320.7	3754438.4	509.1	1.60	17.64	0.37	YES	
L0112248	0	0.18250E-03	487358.6	3754436.4	509.4	1.60	17.64	0.37	YES	
L0112249	0	0.18250E-03	487396.4	3754434.4	510.4	1.60	17.64	0.37	YES	
L0112250	0	0.18250E-03	487434.3	3754432.4	509.9	1.60	17.64	0.37	YES	
L0112251	0	0.18250E-03	487472.2	3754430.4	509.4	1.60	17.64	0.37	YES	
L0112252	0	0.18250E-03	487510.1	3754428.3	509.9	1.60	17.64	0.37	YES	
L0112253	0	0.18250E-03	487547.9	3754426.3	510.2	1.60	17.64	0.37	YES	
L0112254	0	0.18250E-03	487585.8	3754424.5	509.6	1.60	17.64	0.37	YES	
L0112255	0	0.18250E-03	487623.7	3754425.8	510.1	1.60	17.64	0.37	YES	
L0112256	0	0.18250E-03	487661.6	3754427.1	510.7	1.60	17.64	0.37	YES	
L0112257	0	0.18250E-03	487699.6	3754428.4	510.4	1.60	17.64	0.37	YES	
L0112258	0	0.18250E-03	487736.7	3754435.0	510.8	1.60	17.64	0.37	YES	
L0112259	0	0.18250E-03	487773.2	3754445.1	510.4	1.60	17.64	0.37	YES	
L0112260	0	0.18250E-03	487810.3	3754451.0	509.9	1.60	17.64	0.37	YES	
L0112261	0	0.18250E-03	487848.2	3754450.3	509.8	1.60	17.64	0.37	YES	
L0112262	0	0.18250E-03	487886.1	3754449.6	508.5	1.60	17.64	0.37	YES	

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L0112263	0	0.18250E-03	487924.1	3754449.0	507.7	1.60	17.64	0.37	YES	
L0112264	0	0.18250E-03	487962.0	3754448.3	508.4	1.60	17.64	0.37	YES	
L0112265	0	0.18250E-03	487999.9	3754447.6	509.0	1.60	17.64	0.37	YES	
L0112266	0	0.18250E-03	488037.8	3754447.0	508.1	1.60	17.64	0.37	YES	
L0112267	0	0.18250E-03	488075.8	3754446.3	507.2	1.60	17.64	0.37	YES	
L0112268	0	0.18250E-03	488113.7	3754445.6	508.2	1.60	17.64	0.37	YES	

L0112269	0	0.18250E-03	488151.6	3754445.0	508.3	1.60	17.64	0.37	YES
L0112270	0	0.18250E-03	488189.5	3754444.3	509.3	1.60	17.64	0.37	YES
L0112271	0	0.18250E-03	488227.5	3754443.6	510.4	1.60	17.64	0.37	YES
L0112272	0	0.18250E-03	488265.4	3754443.0	510.7	1.60	17.64	0.37	YES
L0112273	0	0.18250E-03	488303.3	3754442.3	510.9	1.60	17.64	0.37	YES
L0112274	0	0.18250E-03	488333.9	3754420.0	509.3	1.60	17.64	0.37	YES
L0112275	0	0.18250E-03	488364.4	3754397.4	506.5	1.60	17.64	0.37	YES
L0112276	0	0.18250E-03	488394.8	3754374.8	504.5	1.60	17.64	0.37	YES
L0112277	0	0.18250E-03	488425.3	3754352.2	505.0	1.60	17.64	0.37	YES
L0112278	0	0.55000E-04	488434.4	3754340.7	505.3	1.40	18.04	0.33	YES
L0112279	0	0.55000E-04	488457.1	3754309.3	506.0	1.40	18.04	0.33	YES
L0112280	0	0.55000E-04	488457.7	3754270.7	506.0	1.40	18.04	0.33	YES
L0112281	0	0.55000E-04	488457.7	3754231.9	505.1	1.40	18.04	0.33	YES
L0112282	0	0.55000E-04	488457.7	3754193.1	501.0	1.40	18.04	0.33	YES
L0112283	0	0.55000E-04	488457.7	3754154.3	501.5	1.40	18.04	0.33	YES
L0112284	0	0.55000E-04	488457.7	3754115.5	503.6	1.40	18.04	0.33	YES
L0112285	0	0.55000E-04	488457.7	3754076.8	502.9	1.40	18.04	0.33	YES
L0112286	0	0.55000E-04	488457.7	3754038.0	502.0	1.40	18.04	0.33	YES
L0112287	0	0.55000E-04	488457.7	3753999.2	502.0	1.40	18.04	0.33	YES
L0112288	0	0.55000E-04	488457.7	3753960.4	502.0	1.40	18.04	0.33	YES
L0112289	0	0.55000E-04	488457.7	3753921.6	500.4	1.40	18.04	0.33	YES
L0112290	0	0.55000E-04	488457.7	3753882.8	498.4	1.40	18.04	0.33	YES
L0112291	0	0.55000E-04	488457.7	3753844.0	497.1	1.40	18.04	0.33	YES
L0112292	0	0.55000E-04	488457.7	3753805.3	496.8	1.40	18.04	0.33	YES
L0112293	0	0.55000E-04	488457.7	3753766.5	496.0	1.40	18.04	0.33	YES
L0112294	0	0.55000E-04	488457.7	3753727.7	495.3	1.40	18.04	0.33	YES
L0112295	0	0.55000E-04	488457.7	3753688.9	493.9	1.40	18.04	0.33	YES
L0112296	0	0.55000E-04	488457.7	3753650.1	491.0	1.40	18.04	0.33	YES
L0112297	0	0.55000E-04	488457.7	3753611.3	488.4	1.40	18.04	0.33	YES
L0112298	0	0.55000E-04	488457.7	3753572.6	488.0	1.40	18.04	0.33	YES
L0112299	0	0.55000E-04	488457.7	3753533.8	488.0	1.40	18.04	0.33	YES
L0112300	0	0.55000E-04	488457.7	3753495.0	488.0	1.40	18.04	0.33	YES
L0112301	0	0.55000E-04	488457.7	3753456.2	487.2	1.40	18.04	0.33	YES
L0112302	0	0.55000E-04	488457.7	3753417.4	485.9	1.40	18.04	0.33	YES

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L0112303	0	0.55000E-04	488457.7	3753378.6	485.4	1.40	18.04	0.33	YES	
L0112304	0	0.55000E-04	488457.7	3753339.9	484.0	1.40	18.04	0.33	YES	
L0112305	0	0.55000E-04	488457.7	3753301.1	482.0	1.40	18.04	0.33	YES	
L0114410	0	0.45357E-03	487111.6	3753293.9	490.9	1.50	22.81	0.35	YES	
L0114411	0	0.45357E-03	487160.6	3753293.6	490.4	1.50	22.81	0.35	YES	
L0114412	0	0.45357E-03	487209.6	3753293.2	490.0	1.50	22.81	0.35	YES	
L0114413	0	0.45357E-03	487258.7	3753292.8	489.6	1.50	22.81	0.35	YES	
L0114414	0	0.45357E-03	487307.7	3753292.4	489.1	1.50	22.81	0.35	YES	
L0114415	0	0.45357E-03	487356.7	3753292.1	488.7	1.50	22.81	0.35	YES	
L0114416	0	0.45357E-03	487405.8	3753291.7	488.2	1.50	22.81	0.35	YES	
L0114417	0	0.45357E-03	487454.8	3753291.3	487.8	1.50	22.81	0.35	YES	
L0114418	0	0.45357E-03	487503.8	3753291.0	487.3	1.50	22.81	0.35	YES	
L0114419	0	0.45357E-03	487552.9	3753290.6	486.9	1.50	22.81	0.35	YES	
L0114420	0	0.45357E-03	487601.9	3753290.2	486.4	1.50	22.81	0.35	YES	
L0114421	0	0.45357E-03	487650.9	3753289.8	486.0	1.50	22.81	0.35	YES	
L0114422	0	0.45357E-03	487700.0	3753289.5	485.6	1.50	22.81	0.35	YES	
L0114423	0	0.45357E-03	487749.0	3753289.1	485.1	1.50	22.81	0.35	YES	
L0112320	0	0.47000E-03	487765.1	3753289.0	484.0	1.50	24.24	0.35	YES	
L0112321	0	0.47000E-03	487817.3	3753289.0	485.3	1.50	24.24	0.35	YES	
L0112322	0	0.47000E-03	487869.4	3753289.0	483.2	1.50	24.24	0.35	YES	
L0112323	0	0.47000E-03	487921.5	3753289.0	483.0	1.50	24.24	0.35	YES	
L0112324	0	0.47000E-03	487973.6	3753289.0	484.8	1.50	24.24	0.35	YES	
L0112325	0	0.47000E-03	488025.8	3753289.0	485.6	1.50	24.24	0.35	YES	
L0112326	0	0.47000E-03	488077.9	3753289.0	485.4	1.50	24.24	0.35	YES	
L0112327	0	0.47000E-03	488130.0	3753289.0	485.6	1.50	24.24	0.35	YES	
L0112328	0	0.47000E-03	488182.1	3753289.0	485.6	1.50	24.24	0.35	YES	
L0112329	0	0.47000E-03	488234.2	3753289.0	486.3	1.50	24.24	0.35	YES	
L0112330	0	0.47000E-03	488286.4	3753289.0	484.9	1.50	24.24	0.35	YES	
L0112331	0	0.47000E-03	488338.5	3753289.0	484.4	1.50	24.24	0.35	YES	
L0112332	0	0.47000E-03	488390.6	3753289.0	484.6	1.50	24.24	0.35	YES	
L0112333	0	0.47000E-03	488442.7	3753289.0	483.3	1.50	24.24	0.35	YES	
L0112334	0	0.15000E-02	488445.9	3753289.3	481.6	1.10	18.10	0.26	YES	
L0112335	0	0.15000E-02	488446.3	3753250.4	481.0	1.10	18.10	0.26	YES	
L0112336	0	0.15000E-02	488446.8	3753211.5	480.1	1.10	18.10	0.26	YES	
L0112337	0	0.15000E-02	488447.2	3753172.6	479.0	1.10	18.10	0.26	YES	
L0112338	0	0.15000E-02	488447.7	3753133.7	478.5	1.10	18.10	0.26	YES	
L0112339	0	0.15000E-02	488448.1	3753094.8	478.0	1.10	18.10	0.26	YES	
L0112340	0	0.15000E-02	488448.5	3753055.9	477.0	1.10	18.10	0.26	YES	
L0112341	0	0.15000E-02	488449.0	3753017.0	477.0	1.10	18.10	0.26	YES	
L0112342	0	0.15000E-02	488449.4	3752978.1	477.7	1.10	18.10	0.26	YES	

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L0112343	0	0.15000E-02	488449.8	3752939.2	479.0	1.10	18.10	0.26	YES	
L0112344	0	0.15000E-02	488450.3	3752900.3	478.0	1.10	18.10	0.26	YES	
L0112345	0	0.15000E-02	488450.7	3752861.4	478.0	1.10	18.10	0.26	YES	
L0113787	0	0.28862E-03	488463.9	3753299.0	481.8	1.50	23.53	0.35	YES	

L0113788	0	0.28862E-03	488514.5	3753298.8	480.9	1.50	23.53	0.35	YES
L0113789	0	0.28862E-03	488565.1	3753298.7	482.3	1.50	23.53	0.35	YES
L0113790	0	0.28862E-03	488615.7	3753298.5	484.1	1.50	23.53	0.35	YES
L0113791	0	0.28862E-03	488666.3	3753298.3	483.2	1.50	23.53	0.35	YES
L0113792	0	0.28862E-03	488716.9	3753298.1	482.0	1.50	23.53	0.35	YES
L0113793	0	0.28862E-03	488767.5	3753298.0	482.1	1.50	23.53	0.35	YES
L0113794	0	0.28862E-03	488818.1	3753297.8	481.1	1.50	23.53	0.35	YES
L0113795	0	0.28862E-03	488868.7	3753297.6	482.1	1.50	23.53	0.35	YES
L0113796	0	0.28862E-03	488919.3	3753297.4	483.4	1.50	23.53	0.35	YES
L0113797	0	0.28862E-03	488969.9	3753297.3	485.9	1.50	23.53	0.35	YES
L0113798	0	0.28862E-03	489020.5	3753297.1	484.2	1.50	23.53	0.35	YES
L0113799	0	0.28862E-03	489071.1	3753296.9	484.8	1.50	23.53	0.35	YES
L0113800	0	0.28862E-03	489121.6	3753296.7	484.9	1.50	23.53	0.35	YES
L0113801	0	0.28862E-03	489172.2	3753296.5	486.5	1.50	23.53	0.35	YES
L0113802	0	0.28862E-03	489222.8	3753296.4	491.6	1.50	23.53	0.35	YES
L0113803	0	0.28862E-03	489273.4	3753296.2	494.4	1.50	23.53	0.35	YES
L0113804	0	0.28862E-03	489324.0	3753296.0	490.5	1.50	23.53	0.35	YES
L0113805	0	0.28862E-03	489374.6	3753295.8	489.1	1.50	23.53	0.35	YES
L0113806	0	0.28862E-03	489425.2	3753295.7	490.3	1.50	23.53	0.35	YES
L0113807	0	0.28862E-03	489475.8	3753295.5	490.2	1.50	23.53	0.35	YES
L0113808	0	0.28862E-03	489526.4	3753295.3	490.5	1.50	23.53	0.35	YES
L0113809	0	0.28862E-03	489577.0	3753295.1	493.0	1.50	23.53	0.35	YES
L0113810	0	0.28862E-03	489627.6	3753295.0	493.4	1.50	23.53	0.35	YES
L0113811	0	0.28862E-03	489678.2	3753294.8	495.6	1.50	23.53	0.35	YES
L0113812	0	0.28862E-03	489728.8	3753294.6	496.8	1.50	23.53	0.35	YES
L0113813	0	0.28862E-03	489779.4	3753294.4	493.4	1.50	23.53	0.35	YES
L0113814	0	0.28862E-03	489830.0	3753294.3	489.2	1.50	23.53	0.35	YES
L0113815	0	0.28862E-03	489880.6	3753294.1	491.6	1.50	23.53	0.35	YES
L0114424	0	0.56333E-03	489900.7	3753294.2	493.2	1.50	22.24	0.35	YES
L0114425	0	0.56333E-03	489944.6	3753313.0	493.8	1.50	22.24	0.35	YES
L0114426	0	0.56333E-03	489983.0	3753340.6	495.7	1.50	22.24	0.35	YES
L0114427	0	0.56333E-03	490018.7	3753372.4	498.2	1.50	22.24	0.35	YES
L0114428	0	0.56333E-03	490054.3	3753404.3	500.8	1.50	22.24	0.35	YES
L0114429	0	0.56333E-03	490090.0	3753436.1	503.3	1.50	22.24	0.35	YES
L0112381	0	0.12462E-02	489898.8	3753280.5	492.3	1.10	15.51	0.26	YES
L0112382	0	0.12462E-02	489899.2	3753247.1	490.4	1.10	15.51	0.26	YES

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0112383	0	0.12462E-02	489899.6	3753213.8	488.2	1.10	15.51	0.26	YES	
L0112384	0	0.12462E-02	489900.0	3753180.4	487.0	1.10	15.51	0.26	YES	
L0112385	0	0.12462E-02	489900.4	3753147.1	488.3	1.10	15.51	0.26	YES	
L0112386	0	0.12462E-02	489900.8	3753113.7	491.0	1.10	15.51	0.26	YES	
L0112387	0	0.12462E-02	489901.2	3753080.4	490.6	1.10	15.51	0.26	YES	
L0112388	0	0.12462E-02	489901.6	3753047.0	489.0	1.10	15.51	0.26	YES	
L0112389	0	0.12462E-02	489902.0	3753013.7	487.3	1.10	15.51	0.26	YES	
L0112390	0	0.12462E-02	489902.4	3752980.3	486.2	1.10	15.51	0.26	YES	
L0112391	0	0.12462E-02	489902.8	3752947.0	484.6	1.10	15.51	0.26	YES	
L0112392	0	0.12462E-02	489903.2	3752913.6	482.5	1.10	15.51	0.26	YES	
L0112393	0	0.12462E-02	489903.6	3752880.3	480.4	1.10	15.51	0.26	YES	
L0112394	0	0.87182E-03	489917.3	3752867.0	481.7	1.10	15.35	0.26	YES	
L0112395	0	0.87182E-03	489950.3	3752867.9	483.0	1.10	15.35	0.26	YES	
L0112396	0	0.87182E-03	489983.2	3752868.9	484.0	1.10	15.35	0.26	YES	
L0112397	0	0.87182E-03	490016.2	3752869.8	484.9	1.10	15.35	0.26	YES	
L0112398	0	0.87182E-03	490049.2	3752870.8	486.1	1.10	15.35	0.26	YES	
L0112399	0	0.87182E-03	490082.2	3752871.7	485.7	1.10	15.35	0.26	YES	
L0112400	0	0.87182E-03	490115.2	3752872.7	485.9	1.10	15.35	0.26	YES	
L0112401	0	0.87182E-03	490148.1	3752873.7	486.6	1.10	15.35	0.26	YES	
L0112402	0	0.87182E-03	490181.1	3752874.6	486.0	1.10	15.35	0.26	YES	
L0112403	0	0.87182E-03	490214.1	3752875.6	484.1	1.10	15.35	0.26	YES	
L0112404	0	0.87182E-03	490247.1	3752876.5	482.6	1.10	15.35	0.26	YES	
L0112405	0	0.98864E-04	488454.3	3752857.1	478.0	1.60	15.60	0.37	YES	
L0112406	0	0.98864E-04	488487.8	3752858.9	478.7	1.60	15.60	0.37	YES	
L0112407	0	0.98864E-04	488521.3	3752860.6	477.6	1.60	15.60	0.37	YES	
L0112408	0	0.98864E-04	488554.8	3752862.3	475.5	1.60	15.60	0.37	YES	
L0112409	0	0.98864E-04	488588.3	3752864.1	475.3	1.60	15.60	0.37	YES	
L0112410	0	0.98864E-04	488621.7	3752865.8	476.6	1.60	15.60	0.37	YES	
L0112411	0	0.98864E-04	488655.2	3752867.6	478.0	1.60	15.60	0.37	YES	
L0112412	0	0.98864E-04	488688.7	3752869.3	478.5	1.60	15.60	0.37	YES	
L0112413	0	0.98864E-04	488722.2	3752871.1	477.6	1.60	15.60	0.37	YES	
L0112414	0	0.98864E-04	488755.7	3752872.8	477.4	1.60	15.60	0.37	YES	
L0112415	0	0.98864E-04	488789.2	3752874.6	478.3	1.60	15.60	0.37	YES	
L0112416	0	0.98864E-04	488822.6	3752876.3	478.2	1.60	15.60	0.37	YES	
L0112417	0	0.98864E-04	488856.1	3752878.1	478.1	1.60	15.60	0.37	YES	
L0112418	0	0.98864E-04	488889.6	3752879.8	478.0	1.60	15.60	0.37	YES	
L0112419	0	0.98864E-04	488923.1	3752881.6	477.7	1.60	15.60	0.37	YES	
L0112420	0	0.98864E-04	488956.6	3752883.3	478.2	1.60	15.60	0.37	YES	
L0112421	0	0.98864E-04	488990.1	3752885.1	479.7	1.60	15.60	0.37	YES	
L0112422	0	0.98864E-04	489023.5	3752886.8	481.4	1.60	15.60	0.37	YES	

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L0112423	0	0.98864E-04	489057.1	3752886.3	482.7	1.60	15.60	0.37	YES	
L0112424	0	0.98864E-04	489090.6	3752885.7	481.8	1.60	15.60	0.37	YES	

L0112425	0	0.98864E-04	489124.1	3752885.1	480.7	1.60	15.60	0.37	YES
L0112426	0	0.98864E-04	489157.6	3752884.5	479.8	1.60	15.60	0.37	YES
L0112427	0	0.98864E-04	489191.2	3752884.0	478.8	1.60	15.60	0.37	YES
L0112428	0	0.98864E-04	489224.7	3752883.4	478.7	1.60	15.60	0.37	YES
L0112429	0	0.98864E-04	489258.2	3752882.8	479.7	1.60	15.60	0.37	YES
L0112430	0	0.98864E-04	489291.7	3752882.2	480.1	1.60	15.60	0.37	YES
L0112431	0	0.98864E-04	489325.3	3752881.7	480.1	1.60	15.60	0.37	YES
L0112432	0	0.98864E-04	489358.8	3752881.1	480.1	1.60	15.60	0.37	YES
L0112433	0	0.98864E-04	489392.3	3752880.5	480.0	1.60	15.60	0.37	YES
L0112434	0	0.98864E-04	489425.8	3752879.9	480.2	1.60	15.60	0.37	YES
L0112435	0	0.98864E-04	489459.4	3752879.4	481.3	1.60	15.60	0.37	YES
L0112436	0	0.98864E-04	489492.9	3752878.8	481.9	1.60	15.60	0.37	YES
L0112437	0	0.98864E-04	489526.4	3752878.2	481.9	1.60	15.60	0.37	YES
L0112438	0	0.98864E-04	489559.9	3752877.6	482.5	1.60	15.60	0.37	YES
L0112439	0	0.98864E-04	489593.5	3752877.1	483.5	1.60	15.60	0.37	YES
L0112440	0	0.98864E-04	489627.0	3752876.5	484.7	1.60	15.60	0.37	YES
L0112441	0	0.98864E-04	489660.5	3752875.9	484.9	1.60	15.60	0.37	YES
L0112442	0	0.98864E-04	489694.0	3752875.3	483.8	1.60	15.60	0.37	YES
L0112443	0	0.98864E-04	489727.6	3752874.8	484.1	1.60	15.60	0.37	YES
L0112444	0	0.98864E-04	489761.1	3752874.2	485.3	1.60	15.60	0.37	YES
L0112445	0	0.98864E-04	489794.6	3752873.6	484.9	1.60	15.60	0.37	YES
L0112446	0	0.98864E-04	489828.1	3752873.0	482.8	1.60	15.60	0.37	YES
L0112447	0	0.98864E-04	489861.7	3752872.5	480.7	1.60	15.60	0.37	YES
L0112448	0	0.98864E-04	489895.2	3752871.9	480.3	1.60	15.60	0.37	YES
L0113822	0	0.24586E-03	488256.0	3755293.6	547.9	1.60	9.20	0.37	YES
L0113823	0	0.24586E-03	488263.4	3755275.3	547.8	1.60	9.20	0.37	YES
L0113824	0	0.24586E-03	488270.8	3755256.9	547.0	1.60	9.20	0.37	YES
L0113825	0	0.24586E-03	488278.2	3755238.6	546.1	1.60	9.20	0.37	YES
L0113826	0	0.24586E-03	488285.6	3755220.3	545.6	1.60	9.20	0.37	YES
L0113827	0	0.24586E-03	488293.0	3755201.9	546.3	1.60	9.20	0.37	YES
L0113828	0	0.24586E-03	488300.4	3755183.6	546.5	1.60	9.20	0.37	YES
L0113829	0	0.24586E-03	488307.8	3755165.2	546.1	1.60	9.20	0.37	YES
L0113830	0	0.24586E-03	488315.2	3755146.9	545.5	1.60	9.20	0.37	YES
L0113831	0	0.24586E-03	488322.7	3755128.6	544.2	1.60	9.20	0.37	YES
L0113832	0	0.24586E-03	488330.1	3755110.2	541.8	1.60	9.20	0.37	YES
L0113833	0	0.24586E-03	488337.5	3755091.9	539.3	1.60	9.20	0.37	YES
L0113834	0	0.24586E-03	488344.9	3755073.6	537.2	1.60	9.20	0.37	YES
L0113835	0	0.24586E-03	488352.3	3755055.2	535.1	1.60	9.20	0.37	YES

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L0113836	0	0.24586E-03	488359.7	3755036.9	533.0	1.60	9.20	0.37	YES	
L0113837	0	0.24586E-03	488367.1	3755018.5	531.5	1.60	9.20	0.37	YES	
L0113838	0	0.24586E-03	488374.5	3755000.2	530.1	1.60	9.20	0.37	YES	
L0113839	0	0.24586E-03	488381.9	3754981.9	528.9	1.60	9.20	0.37	YES	
L0113840	0	0.24586E-03	488389.3	3754963.5	527.8	1.60	9.20	0.37	YES	
L0113841	0	0.24586E-03	488396.7	3754945.2	527.0	1.60	9.20	0.37	YES	
L0113842	0	0.24586E-03	488404.1	3754926.9	527.9	1.60	9.20	0.37	YES	
L0113843	0	0.24586E-03	488411.5	3754908.5	527.8	1.60	9.20	0.37	YES	
L0113844	0	0.24586E-03	488418.9	3754890.2	527.3	1.60	9.20	0.37	YES	
L0113845	0	0.24586E-03	488426.3	3754871.8	526.6	1.60	9.20	0.37	YES	
L0113846	0	0.24586E-03	488433.7	3754853.5	525.6	1.60	9.20	0.37	YES	
L0113847	0	0.24586E-03	488441.1	3754835.2	524.3	1.60	9.20	0.37	YES	
L0113848	0	0.24586E-03	488448.6	3754816.8	526.0	1.60	9.20	0.37	YES	
L0113849	0	0.24586E-03	488456.0	3754798.5	526.0	1.60	9.20	0.37	YES	
L0113850	0	0.24586E-03	488463.4	3754780.1	526.5	1.60	9.20	0.37	YES	
L0114430	0	0.27248E-03	488468.1	3754776.1	526.9	1.60	9.32	0.37	YES	
L0114431	0	0.27248E-03	488477.9	3754758.6	526.5	1.60	9.32	0.37	YES	
L0114432	0	0.27248E-03	488487.7	3754741.2	526.1	1.60	9.32	0.37	YES	
L0114433	0	0.27248E-03	488497.6	3754723.7	525.7	1.60	9.32	0.37	YES	
L0114434	0	0.27248E-03	488507.4	3754706.3	525.3	1.60	9.32	0.37	YES	
L0114435	0	0.27248E-03	488517.3	3754688.8	524.9	1.60	9.32	0.37	YES	
L0114436	0	0.27248E-03	488527.1	3754671.4	524.5	1.60	9.32	0.37	YES	
L0114437	0	0.27248E-03	488536.9	3754653.9	524.0	1.60	9.32	0.37	YES	
L0114438	0	0.27248E-03	488546.8	3754636.5	523.6	1.60	9.32	0.37	YES	
L0114439	0	0.27248E-03	488556.6	3754619.0	523.2	1.60	9.32	0.37	YES	
L0114440	0	0.27248E-03	488566.5	3754601.6	522.8	1.60	9.32	0.37	YES	
L0114441	0	0.27248E-03	488576.3	3754584.1	522.4	1.60	9.32	0.37	YES	
L0114442	0	0.27248E-03	488586.1	3754566.7	522.0	1.60	9.32	0.37	YES	
L0114443	0	0.27248E-03	488596.0	3754549.2	521.6	1.60	9.32	0.37	YES	
L0114444	0	0.27248E-03	488605.8	3754531.8	521.2	1.60	9.32	0.37	YES	
L0114445	0	0.27248E-03	488615.6	3754514.3	520.8	1.60	9.32	0.37	YES	
L0114446	0	0.27248E-03	488625.5	3754496.9	520.4	1.60	9.32	0.37	YES	
L0114447	0	0.27248E-03	488635.3	3754479.4	520.0	1.60	9.32	0.37	YES	
L0114448	0	0.27248E-03	488645.2	3754462.0	519.6	1.60	9.32	0.37	YES	
L0114449	0	0.27248E-03	488655.0	3754444.5	519.2	1.60	9.32	0.37	YES	
L0114450	0	0.27248E-03	488664.8	3754427.1	518.8	1.60	9.32	0.37	YES	
L0114451	0	0.27248E-03	488674.7	3754409.6	518.4	1.60	9.32	0.37	YES	
L0114452	0	0.27248E-03	488684.5	3754392.2	518.0	1.60	9.32	0.37	YES	
L0114453	0	0.27248E-03	488694.4	3754374.7	517.5	1.60	9.32	0.37	YES	
L0114454	0	0.27248E-03	488704.2	3754357.3	517.1	1.60	9.32	0.37	YES	

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L0114455	0	0.27248E-03	488714.0	3754339.8	516.7	1.60	9.32	0.37	YES
L0114456	0	0.27248E-03	488723.9	3754322.4	516.3	1.60	9.32	0.37	YES
L0114457	0	0.27248E-03	488734.7	3754305.7	515.9	1.60	9.32	0.37	YES
L0114458	0	0.27248E-03	488750.1	3754293.0	515.6	1.60	9.32	0.37	YES
L0114459	0	0.27248E-03	488765.6	3754280.2	515.3	1.60	9.32	0.37	YES
L0114460	0	0.27248E-03	488781.0	3754267.5	514.9	1.60	9.32	0.37	YES
L0114461	0	0.27248E-03	488796.5	3754254.7	514.6	1.60	9.32	0.37	YES
L0114462	0	0.27248E-03	488811.9	3754241.9	514.3	1.60	9.32	0.37	YES
L0114463	0	0.27248E-03	488827.4	3754229.2	513.9	1.60	9.32	0.37	YES
L0114464	0	0.27248E-03	488842.8	3754216.4	513.6	1.60	9.32	0.37	YES
L0114465	0	0.27248E-03	488858.2	3754203.7	513.3	1.60	9.32	0.37	YES
L0114466	0	0.27248E-03	488873.7	3754190.9	512.9	1.60	9.32	0.37	YES
L0114467	0	0.27248E-03	488889.1	3754178.1	512.6	1.60	9.32	0.37	YES
L0114468	0	0.27248E-03	488904.6	3754165.4	512.3	1.60	9.32	0.37	YES
L0114469	0	0.27248E-03	488920.0	3754152.6	511.9	1.60	9.32	0.37	YES
L0114470	0	0.27248E-03	488935.5	3754139.9	511.6	1.60	9.32	0.37	YES
L0114471	0	0.27248E-03	488950.9	3754127.1	511.3	1.60	9.32	0.37	YES
L0114472	0	0.27248E-03	488966.7	3754114.8	511.0	1.60	9.32	0.37	YES
L0114473	0	0.27248E-03	488983.8	3754104.4	510.9	1.60	9.32	0.37	YES
L0114474	0	0.27248E-03	489000.9	3754093.9	510.7	1.60	9.32	0.37	YES
L0114475	0	0.27248E-03	489018.0	3754083.5	510.6	1.60	9.32	0.37	YES
L0114476	0	0.27248E-03	489035.1	3754073.0	510.5	1.60	9.32	0.37	YES
L0114477	0	0.27248E-03	489052.2	3754062.6	510.4	1.60	9.32	0.37	YES
L0114478	0	0.27248E-03	489069.3	3754052.2	510.2	1.60	9.32	0.37	YES
L0114479	0	0.27248E-03	489086.4	3754041.7	510.1	1.60	9.32	0.37	YES
L0114480	0	0.27248E-03	489103.5	3754031.3	510.0	1.60	9.32	0.37	YES
L0114481	0	0.27248E-03	489120.6	3754020.8	509.9	1.60	9.32	0.37	YES
L0114482	0	0.27248E-03	489137.7	3754010.4	509.8	1.60	9.32	0.37	YES
L0114483	0	0.27248E-03	489154.8	3754000.0	509.7	1.60	9.32	0.37	YES
L0114484	0	0.27248E-03	489171.9	3753989.5	509.5	1.60	9.32	0.37	YES
L0114485	0	0.27248E-03	489189.0	3753979.1	509.4	1.60	9.32	0.37	YES
L0114486	0	0.27248E-03	489206.1	3753968.6	509.3	1.60	9.32	0.37	YES
L0114487	0	0.27248E-03	489223.2	3753958.2	509.2	1.60	9.32	0.37	YES
L0114488	0	0.27248E-03	489240.2	3753947.8	509.1	1.60	9.32	0.37	YES
L0114489	0	0.27248E-03	489257.3	3753937.3	508.9	1.60	9.32	0.37	YES
L0114490	0	0.27248E-03	489274.4	3753926.9	508.8	1.60	9.32	0.37	YES
L0114491	0	0.27248E-03	489291.5	3753916.4	508.7	1.60	9.32	0.37	YES
L0114492	0	0.27248E-03	489308.6	3753906.0	508.6	1.60	9.32	0.37	YES
L0114493	0	0.27248E-03	489325.7	3753895.6	508.4	1.60	9.32	0.37	YES
L0114494	0	0.27248E-03	489342.8	3753885.1	508.3	1.60	9.32	0.37	YES

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0114495	0	0.27248E-03	489359.9	3753874.7	508.2	1.60	9.32	0.37	YES	
L0114496	0	0.27248E-03	489377.0	3753864.2	508.1	1.60	9.32	0.37	YES	
L0114497	0	0.27248E-03	489394.1	3753853.8	508.0	1.60	9.32	0.37	YES	
L0114498	0	0.27248E-03	489411.2	3753843.4	507.9	1.60	9.32	0.37	YES	
L0114499	0	0.27248E-03	489428.3	3753832.9	507.7	1.60	9.32	0.37	YES	
L0114500	0	0.27248E-03	489445.4	3753822.5	507.6	1.60	9.32	0.37	YES	
L0114501	0	0.27248E-03	489462.5	3753812.0	507.5	1.60	9.32	0.37	YES	
L0114502	0	0.27248E-03	489479.6	3753801.6	507.4	1.60	9.32	0.37	YES	
L0114503	0	0.27248E-03	489496.7	3753791.2	507.2	1.60	9.32	0.37	YES	
L0114504	0	0.27248E-03	489513.8	3753780.7	507.1	1.60	9.32	0.37	YES	
L0114505	0	0.27248E-03	489530.9	3753770.3	507.0	1.60	9.32	0.37	YES	
L0114506	0	0.27248E-03	489548.0	3753759.8	506.9	1.60	9.32	0.37	YES	
L0114507	0	0.27248E-03	489565.1	3753749.4	506.8	1.60	9.32	0.37	YES	
L0114508	0	0.27248E-03	489582.2	3753739.0	506.6	1.60	9.32	0.37	YES	
L0114509	0	0.27248E-03	489599.3	3753728.5	506.5	1.60	9.32	0.37	YES	
L0114510	0	0.27248E-03	489616.4	3753718.1	506.4	1.60	9.32	0.37	YES	
L0114511	0	0.27248E-03	489633.5	3753707.6	506.3	1.60	9.32	0.37	YES	
L0114512	0	0.27248E-03	489650.6	3753697.2	506.2	1.60	9.32	0.37	YES	
L0114513	0	0.27248E-03	489667.7	3753686.8	506.0	1.60	9.32	0.37	YES	
L0114514	0	0.27248E-03	489684.8	3753676.3	505.9	1.60	9.32	0.37	YES	
L0114515	0	0.27248E-03	489701.9	3753665.9	505.8	1.60	9.32	0.37	YES	
L0114516	0	0.27248E-03	489719.0	3753655.4	505.7	1.60	9.32	0.37	YES	
L0114517	0	0.27248E-03	489736.1	3753645.0	505.6	1.60	9.32	0.37	YES	
L0114518	0	0.27248E-03	489753.2	3753634.6	505.4	1.60	9.32	0.37	YES	
L0114519	0	0.27248E-03	489770.3	3753624.1	505.3	1.60	9.32	0.37	YES	
L0114520	0	0.27248E-03	489787.4	3753613.7	505.2	1.60	9.32	0.37	YES	
L0114521	0	0.27248E-03	489804.5	3753603.2	505.1	1.60	9.32	0.37	YES	
L0114522	0	0.27248E-03	489821.6	3753592.8	505.0	1.60	9.32	0.37	YES	
L0114523	0	0.27248E-03	489838.7	3753582.4	504.8	1.60	9.32	0.37	YES	
L0114524	0	0.27248E-03	489855.8	3753571.9	504.7	1.60	9.32	0.37	YES	
L0114525	0	0.27248E-03	489872.9	3753561.5	504.6	1.60	9.32	0.37	YES	
L0114526	0	0.27248E-03	489890.0	3753551.0	504.5	1.60	9.32	0.37	YES	
L0114527	0	0.27248E-03	489907.1	3753540.6	504.4	1.60	9.32	0.37	YES	
L0114528	0	0.27248E-03	489924.2	3753530.2	504.2	1.60	9.32	0.37	YES	
L0114529	0	0.27248E-03	489941.3	3753519.7	504.1	1.60	9.32	0.37	YES	
L0114530	0	0.27248E-03	489958.4	3753509.3	504.0	1.60	9.32	0.37	YES	
L0114531	0	0.27248E-03	489975.5	3753498.8	503.9	1.60	9.32	0.37	YES	
L0114532	0	0.27248E-03	489992.6	3753488.4	503.8	1.60	9.32	0.37	YES	
L0114533	0	0.27248E-03	490009.7	3753478.0	503.6	1.60	9.32	0.37	YES	
L0114534	0	0.27248E-03	490026.7	3753467.5	503.5	1.60	9.32	0.37	YES	

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY

L0114535	0	0.27248E-03	490043.8	3753457.1	503.4	1.60	9.32	0.37	YES
L0114536	0	0.27248E-03	490060.9	3753446.6	503.3	1.60	9.32	0.37	YES
L0114537	0	0.27248E-03	490078.0	3753436.2	503.2	1.60	9.32	0.37	YES
L0114538	0	0.27248E-03	490095.1	3753425.8	503.0	1.60	9.32	0.37	YES
L0114539	0	0.15769E-03	490104.1	3753442.3	503.9	1.40	9.38	0.33	YES
L0114540	0	0.15769E-03	490121.5	3753432.0	503.5	1.40	9.38	0.33	YES
L0114541	0	0.15769E-03	490138.9	3753421.8	503.2	1.40	9.38	0.33	YES
L0114542	0	0.15769E-03	490156.2	3753411.5	502.8	1.40	9.38	0.33	YES
L0114543	0	0.15769E-03	490173.6	3753401.2	502.4	1.40	9.38	0.33	YES
L0114544	0	0.15769E-03	490191.0	3753391.0	502.0	1.40	9.38	0.33	YES
L0114545	0	0.15769E-03	490208.3	3753380.7	501.6	1.40	9.38	0.33	YES
L0114546	0	0.15769E-03	490225.7	3753370.4	501.3	1.40	9.38	0.33	YES
L0114547	0	0.15769E-03	490243.1	3753360.2	500.9	1.40	9.38	0.33	YES
L0114548	0	0.15769E-03	490260.4	3753349.9	500.5	1.40	9.38	0.33	YES
L0114549	0	0.15769E-03	490277.8	3753339.7	500.1	1.40	9.38	0.33	YES
L0114550	0	0.15769E-03	490295.2	3753329.4	499.8	1.40	9.38	0.33	YES
L0114551	0	0.15769E-03	490312.5	3753319.1	499.4	1.40	9.38	0.33	YES
L0114552	0	0.15769E-03	490329.9	3753308.9	499.0	1.40	9.38	0.33	YES
L0114553	0	0.15769E-03	490347.3	3753298.6	498.6	1.40	9.38	0.33	YES
L0114554	0	0.15769E-03	490364.6	3753288.3	498.2	1.40	9.38	0.33	YES
L0114555	0	0.15769E-03	490382.0	3753278.1	497.9	1.40	9.38	0.33	YES
L0114556	0	0.15769E-03	490399.4	3753267.8	497.5	1.40	9.38	0.33	YES
L0114557	0	0.15769E-03	490416.7	3753257.6	497.1	1.40	9.38	0.33	YES
L0114558	0	0.15769E-03	490434.1	3753247.3	496.8	1.40	9.38	0.33	YES
L0114559	0	0.15769E-03	490451.5	3753237.0	496.4	1.40	9.38	0.33	YES
L0114560	0	0.15769E-03	490468.8	3753226.8	496.0	1.40	9.38	0.33	YES
L0114561	0	0.15769E-03	490486.2	3753216.5	495.6	1.40	9.38	0.33	YES
L0114562	0	0.15769E-03	490503.6	3753206.2	495.2	1.40	9.38	0.33	YES
L0114563	0	0.15769E-03	490520.9	3753196.0	494.9	1.40	9.38	0.33	YES
L0114564	0	0.15769E-03	490538.3	3753185.7	494.5	1.40	9.38	0.33	YES
L0114565	0	0.15769E-03	490555.7	3753175.5	494.1	1.40	9.38	0.33	YES
L0114566	0	0.15769E-03	490573.0	3753165.2	493.7	1.40	9.38	0.33	YES
L0114567	0	0.15769E-03	490590.4	3753154.9	493.4	1.40	9.38	0.33	YES
L0114568	0	0.15769E-03	490607.8	3753144.7	493.0	1.40	9.38	0.33	YES
L0114569	0	0.15769E-03	490625.1	3753134.4	492.6	1.40	9.38	0.33	YES
L0114570	0	0.15769E-03	490642.5	3753124.1	492.2	1.40	9.38	0.33	YES
L0114571	0	0.15769E-03	490657.6	3753111.4	491.7	1.40	9.38	0.33	YES
L0114572	0	0.15769E-03	490669.5	3753095.1	491.1	1.40	9.38	0.33	YES
L0114573	0	0.15769E-03	490681.4	3753078.8	490.5	1.40	9.38	0.33	YES
L0114574	0	0.15769E-03	490693.3	3753062.5	489.8	1.40	9.38	0.33	YES

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0114575	0	0.15769E-03	490705.2	3753046.2	489.2	1.40	9.38	0.33	YES	
L0114576	0	0.15769E-03	490717.1	3753029.9	488.6	1.40	9.38	0.33	YES	
L0114577	0	0.15769E-03	490729.0	3753013.6	487.9	1.40	9.38	0.33	YES	
L0114578	0	0.15769E-03	490740.9	3752997.3	487.3	1.40	9.38	0.33	YES	
L0114579	0	0.15769E-03	490752.8	3752981.1	486.7	1.40	9.38	0.33	YES	
L0114580	0	0.15769E-03	490764.7	3752964.8	486.0	1.40	9.38	0.33	YES	
L0114581	0	0.15769E-03	490776.6	3752948.5	485.4	1.40	9.38	0.33	YES	
L0114582	0	0.15769E-03	490788.4	3752932.2	484.8	1.40	9.38	0.33	YES	
L0114583	0	0.15769E-03	490800.3	3752915.9	484.1	1.40	9.38	0.33	YES	
L0114584	0	0.15769E-03	490812.2	3752899.6	483.5	1.40	9.38	0.33	YES	
L0114585	0	0.15769E-03	490824.1	3752883.3	482.9	1.40	9.38	0.33	YES	
L0114586	0	0.15769E-03	490836.0	3752867.0	482.2	1.40	9.38	0.33	YES	
L0114587	0	0.15769E-03	490847.9	3752850.7	481.6	1.40	9.38	0.33	YES	
L0114588	0	0.15769E-03	490859.8	3752834.4	480.9	1.40	9.38	0.33	YES	
L0114589	0	0.15769E-03	490871.7	3752818.1	480.3	1.40	9.38	0.33	YES	
L0114590	0	0.15769E-03	490883.6	3752801.8	479.7	1.40	9.38	0.33	YES	
L0114591	0	0.15769E-03	490895.5	3752785.5	479.0	1.40	9.38	0.33	YES	
L0114592	0	0.15769E-03	490907.4	3752769.2	478.4	1.40	9.38	0.33	YES	
L0114593	0	0.15769E-03	490919.2	3752752.9	477.8	1.40	9.38	0.33	YES	
L0114594	0	0.15769E-03	490931.1	3752736.6	477.1	1.40	9.38	0.33	YES	
L0114595	0	0.15769E-03	490943.0	3752720.3	476.5	1.40	9.38	0.33	YES	
L0114596	0	0.15769E-03	490954.9	3752704.0	475.9	1.40	9.38	0.33	YES	
L0114597	0	0.15769E-03	490966.8	3752687.7	475.2	1.40	9.38	0.33	YES	
L0114598	0	0.15769E-03	490978.7	3752671.4	474.6	1.40	9.38	0.33	YES	
L0114599	0	0.15769E-03	490990.6	3752655.1	474.0	1.40	9.38	0.33	YES	
L0114600	0	0.15769E-03	491002.5	3752638.8	473.3	1.40	9.38	0.33	YES	
L0114601	0	0.15769E-03	491014.4	3752622.6	472.7	1.40	9.38	0.33	YES	
L0114602	0	0.15769E-03	491026.3	3752606.3	472.1	1.40	9.38	0.33	YES	
L0114603	0	0.15769E-03	491038.2	3752590.0	471.4	1.40	9.38	0.33	YES	
L0114604	0	0.15769E-03	491050.1	3752573.7	470.8	1.40	9.38	0.33	YES	
L0114605	0	0.15769E-03	491061.9	3752557.4	470.2	1.40	9.38	0.33	YES	
L0114606	0	0.15769E-03	491073.8	3752541.1	469.5	1.40	9.38	0.33	YES	
L0114607	0	0.15769E-03	491085.7	3752524.8	468.9	1.40	9.38	0.33	YES	
L0114608	0	0.15769E-03	491097.6	3752508.5	468.2	1.40	9.38	0.33	YES	
L0114609	0	0.15769E-03	491109.5	3752492.2	467.6	1.40	9.38	0.33	YES	
L0114610	0	0.15769E-03	491121.4	3752475.9	467.0	1.40	9.38	0.33	YES	
L0114611	0	0.15769E-03	491133.3	3752459.6	466.3	1.40	9.38	0.33	YES	
L0114612	0	0.15769E-03	491145.2	3752443.3	465.7	1.40	9.38	0.33	YES	
L0114613	0	0.15769E-03	491157.1	3752427.0	465.1	1.40	9.38	0.33	YES	
L0114614	0	0.15769E-03	491169.0	3752410.7	464.4	1.40	9.38	0.33	YES	

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT. INIT. URBAN EMISSION RATE

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   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)              BY
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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                          ***        12/19/12
                                    *** PM2.5 - LST Assessment (No Refrigeration)                        ***        13:11:20
                                                                                                                    PAGE  30
 **MODELOPTS:  NonDEFAULT CONC                                                   ELEV
                          FASTALL

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                 SOURCE IDs

L0114262    , L0114263    , L0114264    , L0114265    , L0114266    , L0114267    , L0114268    , L0114269    ,
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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                          ***        12/19/12
                                    *** PM2.5 - LST Assessment (No Refrigeration)                        ***        13:11:20
                                                                                                                    PAGE  31
 **MODELOPTS:  NonDEFAULT CONC                                                   ELEV
                          FASTALL

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                 SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                    *** PM2.5 - LST Assessment (No Refrigeration)                               ***        13:11:20
                                                                                                                           PAGE  32
 **MODELOPTs:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                                  *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                   SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                    *** PM2.5 - LST Assessment (No Refrigeration)                               ***        13:11:20
                                                                                                                           PAGE  33
 **MODELOPTs:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                                  *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                   SOURCE IDs

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♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                    *** PM2.5 - LST Assessment (No Refrigeration)                               ***        13:11:20
                                                                                                                           PAGE  34
 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                         FASTALL


                                         *** SOURCE IDs DEFINING SOURCE GROUPS ***

 GROUP ID                                                  SOURCE IDs


            L0114614    , L0114615    , L0114616    , PHASE2      ,
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                    *** PM2.5 - LST Assessment (No Refrigeration)                               ***        13:11:20
                                                                                                                           PAGE  35
 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                       *** GRIDDED RECEPTOR NETWORK SUMMARY ***

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                         *** X-COORDINATES OF GRID ***
                                                  (METERS)

       461553.0,  462553.0,  463553.0,  464553.0,  465553.0,  466553.0,  467553.0,  468553.0,  469553.0,  470553.0,
       471553.0,  472553.0,  473553.0,  474553.0,  475553.0,  476553.0,  477553.0,  478553.0,  479553.0,  480553.0,
       481553.0,  482553.0,  483553.0,  484553.0,  485553.0,  486553.0,  487553.0,  488553.0,  489553.0,  490553.0,
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       501553.0,  502553.0,  503553.0,  504553.0,  505553.0,

                                         *** Y-COORDINATES OF GRID ***
                                                  (METERS)

      3741938.3, 3742938.3, 3743938.3, 3744938.3, 3745938.3, 3746938.3, 3747938.3, 3748938.3, 3749938.3, 3750938.3,
      3751938.3, 3752938.3, 3753938.3, 3754938.3, 3755938.3, 3756938.3, 3757938.3, 3758938.3, 3759938.3, 3760938.3,
      3761938.3, 3762938.3, 3763938.3, 3764938.3, 3765938.3, 3766938.3, 3767938.3,
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                    *** PM2.5 - LST Assessment (No Refrigeration)                               ***        13:11:20
                                                                                                                           PAGE  36
 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                              * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                        X-COORD (METERS)
    (METERS) |     461553.03    462553.03    463553.03    464553.03    465553.03    466553.03    467553.03    468553.03    469553.03
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3767938.31 |        317.90       315.50       311.70       305.80       301.50       279.60       278.50       272.60       279.20
  3766938.31 |        336.30       305.50       294.90       294.00       283.00       268.30       267.10       395.80       277.90
  3765938.31 |        325.60       405.70       301.30       289.30       287.10       261.20       293.50       397.30       291.80
  3764938.31 |        311.30       365.90       350.10       293.30       273.50       258.00       261.00       288.90       288.10
  3763938.31 |        295.70       394.50       275.10       267.50       248.90       253.00       257.10       276.60       299.60
  3762938.31 |        266.30       266.90       261.00       243.60       247.90       254.20       263.80       281.00       306.80
  3761938.31 |        242.70       240.00       239.10       241.70       250.50       255.90       268.10       287.50       312.50
  3760938.31 |        227.40       232.20       233.60       267.10       260.30       266.80       279.00       295.10       323.80
  3759938.31 |        231.00       227.90       306.60       254.10       267.80       278.00       287.90       303.00       326.30
  3758938.31 |        225.00       236.10       253.00       263.10       271.10       278.30       294.20       306.30       325.20
  3757938.31 |        242.90       247.20       257.60       287.20       273.70       269.10       286.50       309.40       333.40
  3756938.31 |        240.20       249.30       257.40       270.00       287.90       314.60       321.20       305.30       333.60
  3755938.31 |        246.00       257.10       266.10       276.80       293.20       340.60       359.10       392.00       355.20
  3754938.31 |        248.50       260.00       276.80       296.00       315.10       378.50       397.50       424.40       446.50
  3753938.31 |        260.60       269.80       285.70       300.20       343.20       384.50       408.70       459.30       492.70
  3752938.31 |        270.20       283.70       306.80       324.20       359.90       410.50       453.20       479.90       490.20
  3751938.31 |        284.40       291.20       302.70       332.10       370.10       406.50       435.60       459.70       473.80
  3750938.31 |        302.60       319.90       344.80       357.00       359.90       410.40       467.40       475.40       487.80
  3749938.31 |        329.00       337.50       391.80       442.20       444.30       439.90       466.10       486.40       501.00
  3748938.31 |        396.00       335.40       377.80       424.70       452.80       466.30       492.50       530.60       513.50
  3747938.31 |        427.10       444.20       382.70       398.40       434.20       525.50       527.90       535.40       508.80
  3746938.31 |        441.20       476.80       468.20       415.80       447.50       476.50       480.20       486.90       492.60
  3745938.31 |        443.70       473.10       464.50       438.00       420.80       444.80       467.60       496.10       513.30
  3744938.31 |        430.60       450.90       441.80       434.80       446.20       468.50       540.20       507.00       518.10
  3743938.31 |        417.00       420.10       430.30       443.00       447.20       451.30       469.00       476.40       478.80
  3742938.31 |        435.90       446.30       466.50       498.00       501.00       511.50       481.80       517.80       556.40
  3741938.31 |        474.60       533.00       551.60       552.10       619.20       572.30       597.50       653.00       564.20
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                    *** PM2.5 - LST Assessment (No Refrigeration)                               ***        13:11:20
                                                                                                                           PAGE  37
 **MODELOPTS:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                              * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                        X-COORD (METERS)
    (METERS) |     470553.03    471553.03    472553.03    473553.03    474553.03    475553.03    476553.03    477553.03    478553.03
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  3767938.31 |        283.60       289.00       304.20       312.00       323.50       341.00       348.00       353.60       357.50
  3766938.31 |        301.20       333.70       340.60       336.20       384.40       409.90       380.20       386.80       384.50
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3765938.31	313.20	342.50	448.10	359.20	407.10	458.80	482.50	461.70	459.60
3764938.31	311.10	346.40	657.00	455.30	395.40	467.20	504.80	545.20	510.30
3763938.31	325.70	353.10	435.90	504.40	420.40	430.90	500.60	554.40	626.90
3762938.31	318.70	356.60	382.20	408.20	498.60	534.40	470.90	509.90	539.10
3761938.31	411.70	551.30	580.90	449.90	615.40	776.00	690.30	617.60	548.30
3760938.31	399.70	469.40	625.60	642.80	582.20	632.10	814.90	830.10	632.90
3759938.31	352.70	380.50	666.10	820.90	599.20	547.70	579.10	784.30	625.60
3758938.31	356.30	404.00	732.30	830.30	615.10	544.90	541.10	565.00	602.60
3757938.31	390.90	429.40	509.10	790.60	782.00	562.30	524.60	545.10	576.90
3756938.31	396.60	462.40	469.80	513.40	695.40	563.20	521.90	516.20	540.60
3755938.31	451.40	484.60	457.40	488.80	514.90	515.10	503.90	508.20	511.80
3754938.31	462.00	468.90	467.80	474.40	483.10	495.10	497.10	497.00	496.10
3753938.31	485.80	444.20	462.50	468.20	470.10	483.70	489.90	488.60	488.00
3752938.31	496.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	499.70	534.90	498.40	478.90	472.10	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	472.60	465.30	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	467.20	456.80	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	476.10	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	454.60	452.80	451.90
3746938.31	525.30	513.50	511.80	533.20	519.10	469.50	454.30	454.50	447.50
3745938.31	546.30	513.20	510.80	517.60	521.80	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	533.40	477.40	461.80	449.40	445.80
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	522.10	528.30	527.90	518.60	512.50	490.80	475.50	452.00	447.80
3741938.31	593.90	581.10	555.50	534.60	537.70	549.40	498.00	460.30	442.90

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	497.90	521.80
3766938.31	373.90	406.60	408.60	429.30	457.00	476.70	495.00	534.80	562.90
3765938.31	441.20	390.60	450.20	458.00	486.40	516.70	539.40	562.30	602.20
3764938.31	472.90	447.20	408.10	450.00	508.00	549.40	579.80	596.40	630.70
3763938.31	573.90	480.90	465.10	443.30	451.50	526.90	616.60	643.00	665.40
3762938.31	633.40	621.10	497.10	513.60	500.30	473.20	549.60	558.50	597.70
3761938.31	633.80	696.10	578.40	595.10	536.00	493.00	521.50	573.40	589.70
3760938.31	612.70	771.50	774.50	667.50	632.60	595.90	532.50	510.00	543.10
3759938.31	750.20	721.00	823.40	796.40	718.30	624.10	577.90	559.90	566.90
3758938.31	769.50	817.80	682.00	715.80	715.30	649.00	632.00	705.60	627.80
3757938.31	654.20	735.40	726.40	625.20	646.60	603.80	643.90	673.20	703.70
3756938.31	578.40	596.10	632.00	636.80	574.80	581.40	584.90	593.20	633.90
3755938.31	534.90	550.50	557.10	551.80	558.10	556.20	551.80	549.40	578.00
3754938.31	501.90	518.80	513.20	530.30	535.20	537.10	527.60	525.60	526.30
3753938.31	484.50	494.20	500.90	507.30	527.20	515.60	503.90	503.00	496.40
3752938.31	472.20	481.00	482.10	483.90	484.30	487.50	488.10	487.40	479.60
3751938.31	472.00	468.70	466.60	469.20	467.20	475.60	513.80	650.90	533.40
3750938.31	462.20	464.30	454.80	461.90	476.80	531.30	771.00	658.60	548.10
3749938.31	461.90	456.70	491.00	524.00	524.30	563.50	580.90	550.10	513.70
3748938.31	453.60	458.80	528.40	666.50	545.30	516.50	507.70	500.10	534.60
3747938.31	448.80	453.60	630.60	614.60	504.60	497.40	478.00	495.60	566.60
3746938.31	443.40	457.10	486.30	478.00	478.00	478.00	478.00	535.10	465.60
3745938.31	444.60	444.00	451.50	478.00	478.00	478.00	544.70	620.50	435.80
3744938.31	442.20	442.80	446.20	452.70	478.00	491.40	688.80	460.70	434.70
3743938.31	442.20	443.90	443.80	449.80	518.60	704.30	461.70	433.40	439.40
3742938.31	443.00	436.50	441.80	460.50	485.80	462.50	436.60	434.40	437.20
3741938.31	440.00	440.00	443.20	464.70	494.00	451.40	435.10	436.80	444.80

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	547.20	585.60	659.90	750.50	849.50	964.60	887.60	799.80	842.60
3766938.31	620.90	644.20	726.40	740.70	749.70	765.90	746.90	783.40	825.20
3765938.31	647.50	671.10	648.30	644.30	667.00	700.80	752.10	785.40	821.00
3764938.31	645.70	628.90	634.80	634.90	658.40	717.30	744.10	769.90	803.90
3763938.31	641.80	636.10	611.10	647.70	662.20	696.20	735.10	762.10	788.90
3762938.31	567.80	579.90	612.80	639.70	683.70	703.20	737.10	760.10	788.60
3761938.31	645.00	662.30	670.20	680.00	684.30	717.00	734.10	758.40	782.00
3760938.31	605.10	665.70	651.20	671.30	699.20	686.90	709.50	748.60	777.00
3759938.31	554.60	565.70	601.70	627.90	662.80	672.60	705.00	707.60	735.00
3758938.31	691.80	646.90	606.20	641.40	617.10	646.90	656.00	701.50	705.00
3757938.31	708.00	700.40	691.40	714.50	700.80	636.00	691.20	708.50	717.50
3756938.31	671.60	698.80	672.20	693.20	762.30	676.60	660.50	722.70	744.70
3755938.31	584.70	625.90	643.00	724.20	685.50	740.50	714.80	678.00	696.50
3754938.31	538.80	559.60	583.70	611.70	661.10	631.20	658.60	711.00	714.10
3753938.31	497.80	504.20	536.20	577.90	576.60	604.60	594.70	629.30	712.60
3752938.31	476.00	484.00	483.20	521.60	511.20	551.60	565.60	597.80	713.90
3751938.31	461.80	464.20	456.50	460.80	483.90	546.20	559.10	588.10	668.30
3750938.31	452.20	443.30	437.30	433.00	456.70	508.60	521.70	564.30	641.50
3749938.31	440.90	437.90	432.30	428.00	441.00	462.30	480.10	618.00	616.20
3748938.31	447.80	435.20	433.30	430.10	431.40	434.70	436.80	562.80	649.90
3747938.31	441.10	433.70	435.40	437.00	430.60	428.00	432.60	441.60	530.80
3746938.31	435.20	470.70	436.80	436.10	434.50	439.70	433.90	437.50	452.70
3745938.31	432.10	434.70	437.10	439.10	440.90	438.60	438.10	435.60	446.20
3744938.31	435.10	440.90	436.10	438.20	441.30	441.00	441.10	438.90	439.20
3743938.31	445.10	447.60	443.00	442.10	473.20	470.40	440.10	441.00	440.30
3742938.31	453.00	463.60	463.40	470.40	558.30	719.10	644.10	446.20	448.60

3741938.31	459.30	477.60	489.00	576.80	623.40	693.40	713.10	512.00	449.70

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	884.20	929.90	993.80	1066.90	1171.60	1243.50	1319.20	1434.80	1630.30
3766938.31	883.00	946.60	1050.80	1085.60	1198.10	1517.00	1503.00	1502.80	1502.40
3765938.31	883.90	1004.20	1177.00	1131.40	1192.90	1410.70	1471.10	1478.60	1400.30
3764938.31	850.10	947.40	1013.60	1008.70	1179.60	1281.10	1301.70	1306.10	1382.20
3763938.31	829.40	857.30	905.40	964.90	1044.10	1180.20	1202.20	1179.70	1257.70
3762938.31	822.50	865.90	944.60	1007.70	1037.60	1078.00	1127.90	1158.40	1182.30
3761938.31	809.00	878.30	953.60	1169.40	1036.50	1099.60	1048.30	1047.60	1121.70
3760938.31	787.90	883.00	940.40	982.90	1006.80	962.30	991.10	1006.40	1068.70
3759938.31	799.00	833.90	872.10	865.40	882.00	901.80	917.10	980.90	1014.00
3758938.31	739.80	775.50	823.60	827.30	844.80	866.20	876.00	896.40	973.80
3757938.31	745.50	766.60	789.80	806.10	812.70	836.20	847.10	869.00	891.20
3756938.31	742.70	761.20	781.20	785.90	796.30	813.00	827.20	841.00	843.00
3755938.31	712.20	729.00	750.70	778.90	796.10	804.50	816.70	816.00	811.20
3754938.31	733.90	749.40	775.80	774.30	794.00	795.60	801.20	797.00	791.80
3753938.31	733.70	739.00	748.20	771.20	784.80	793.30	790.30	785.60	777.80
3752938.31	698.30	742.60	758.40	806.00	784.40	793.40	782.90	776.00	774.50
3751938.31	688.50	698.30	788.50	827.60	779.20	816.00	826.50	776.50	765.50
3750938.31	637.60	658.70	761.70	746.60	753.10	763.30	778.20	767.10	824.50
3749938.31	565.10	605.60	688.00	741.70	730.60	768.40	748.50	743.00	742.90
3748938.31	600.40	581.60	634.10	689.10	721.10	712.00	735.90	695.10	721.80
3747938.31	612.80	550.40	629.60	635.50	674.00	749.80	680.90	680.10	661.60
3746938.31	475.00	519.90	658.40	668.60	636.20	659.50	635.50	626.90	644.80
3745938.31	457.70	478.30	548.30	576.50	593.60	572.70	612.10	688.50	733.30
3744938.31	445.20	446.70	455.30	487.90	797.60	730.60	713.70	991.50	924.10
3743938.31	441.00	442.60	443.20	451.00	524.60	831.50	1033.10	970.20	1073.70
3742938.31	441.80	443.80	445.20	450.00	460.10	583.10	792.30	1036.30	1119.40
3741938.31	445.60	445.70	445.30	450.20	453.60	459.80	469.30	669.80	974.60

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	677.00	570.00	311.70	305.80	301.50	279.60	331.00	406.00	735.00
3766938.31	677.00	677.00	478.00	303.00	283.00	289.00	434.00	406.00	735.00
3765938.31	677.00	478.00	518.00	478.00	287.10	429.00	434.00	434.00	735.00
3764938.31	677.00	518.00	518.00	518.00	273.50	258.00	434.00	735.00	735.00
3763938.31	677.00	518.00	518.00	518.00	248.90	253.00	257.10	735.00	758.00
3762938.31	677.00	518.00	518.00	518.00	247.90	259.00	580.00	735.00	905.00
3761938.31	518.00	518.00	518.00	373.00	250.50	255.90	580.00	905.00	932.00
3760938.31	227.40	392.00	392.00	392.00	260.30	266.80	580.00	932.00	932.00
3759938.31	231.00	392.00	392.00	392.00	267.80	278.00	905.00	932.00	932.00
3758938.31	225.00	251.00	253.00	263.10	271.10	278.30	905.00	932.00	932.00
3757938.31	242.90	247.20	257.60	343.00	319.00	294.00	905.00	932.00	932.00
3756938.31	240.20	249.30	257.40	318.00	287.90	314.60	330.00	932.00	932.00
3755938.31	246.00	257.10	266.10	276.80	432.00	432.00	359.10	404.00	932.00
3754938.31	248.50	260.00	276.80	296.00	432.00	432.00	397.50	427.00	459.00
3753938.31	260.60	269.80	337.00	300.20	372.00	401.00	408.70	459.30	492.70
3752938.31	270.20	288.00	306.80	324.20	359.90	439.00	470.00	479.90	490.20
3751938.31	284.40	291.20	302.70	332.10	374.00	498.00	498.00	466.00	473.80
3750938.31	302.60	319.90	344.80	384.00	359.90	472.00	467.40	475.40	487.80
3749938.31	411.00	337.50	458.00	458.00	446.00	448.00	466.10	486.40	501.00
3748938.31	405.00	480.00	395.00	424.70	455.00	466.30	492.50	543.00	513.50
3747938.31	428.00	456.00	498.00	398.40	559.00	559.00	537.00	535.40	508.80
3746938.31	441.20	476.80	488.00	445.00	447.50	476.50	480.20	486.90	492.60
3745938.31	445.00	478.00	468.00	438.00	420.80	450.00	467.60	496.10	513.30
3744938.31	464.00	450.90	441.80	434.80	451.00	501.00	540.20	507.00	518.10
3743938.31	417.00	422.00	430.30	632.00	633.00	633.00	661.00	685.00	478.80
3742938.31	597.00	710.00	710.00	632.00	633.00	633.00	687.00	687.00	687.00
3741938.31	710.00	710.00	710.00	736.00	633.00	602.00	661.00	680.00	734.00

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	735.00	735.00	735.00	735.00	735.00	341.00	348.00	353.60	357.50
3766938.31	735.00	735.00	735.00	735.00	735.00	481.00	563.00	634.00	642.00
3765938.31	735.00	735.00	735.00	841.00	735.00	461.00	563.00	635.00	644.00
3764938.31	735.00	758.00	735.00	735.00	941.00	941.00	941.00	941.00	941.00
3763938.31	867.00	867.00	856.00	856.00	941.00	941.00	941.00	941.00	634.00
3762938.31	932.00	932.00	941.00	941.00	941.00	941.00	941.00	941.00	941.00
3761938.31	905.00	850.00	867.00	941.00	941.00	874.00	941.00	941.00	941.00
3760938.31	932.00	932.00	905.00	905.00	941.00	941.00	941.00	941.00	941.00
3759938.31	932.00	932.00	932.00	867.00	941.00	941.00	941.00	941.00	941.00

3758938.31	932.00	932.00	932.00	905.00	932.00	941.00	941.00	941.00	941.00
3757938.31	932.00	932.00	932.00	932.00	932.00	941.00	941.00	941.00	941.00
3756938.31	932.00	932.00	932.00	932.00	932.00	932.00	941.00	941.00	890.00
3755938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	890.00
3754938.31	932.00	932.00	932.00	932.00	932.00	932.00	932.00	497.00	496.10
3753938.31	485.80	932.00	932.00	932.00	932.00	932.00	489.90	488.60	488.00
3752938.31	509.00	492.10	475.80	466.10	473.40	478.80	481.00	480.60	484.20
3751938.31	509.00	541.00	503.00	478.90	479.00	471.30	470.90	470.90	474.90
3750938.31	521.50	538.30	513.30	480.80	479.00	490.00	470.90	465.30	471.40
3749938.31	529.10	534.40	520.00	483.90	476.70	468.00	490.00	460.00	459.90
3748938.31	525.20	526.30	518.20	497.20	478.00	462.00	456.40	456.00	451.80
3747938.31	518.00	519.50	518.80	515.80	481.30	465.40	462.00	452.80	451.90
3746938.31	566.00	513.50	511.80	536.00	519.10	469.50	454.30	454.50	457.00
3745938.31	559.00	513.20	510.80	517.60	540.00	472.60	459.90	452.30	444.80
3744938.31	508.50	499.80	505.00	511.20	548.00	477.40	461.80	449.40	447.00
3743938.31	493.00	500.70	501.80	505.90	513.50	481.00	463.10	452.90	448.30
3742938.31	734.00	528.30	527.90	518.60	515.00	490.80	475.50	455.00	452.00
3741938.31	734.00	734.00	555.50	534.60	537.70	549.40	597.00	460.30	442.90

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	366.90	373.50	390.50	408.30	429.10	449.80	471.40	2642.00	2697.00
3766938.31	537.00	406.60	408.60	429.30	457.00	516.00	508.00	534.80	2697.00
3765938.31	644.00	537.00	495.00	525.00	493.00	516.70	539.40	588.00	2547.00
3764938.31	941.00	687.00	858.00	525.00	523.00	575.00	579.80	596.40	666.00
3763938.31	687.00	941.00	858.00	858.00	858.00	623.00	625.00	643.00	677.00
3762938.31	941.00	782.00	858.00	858.00	858.00	641.00	581.00	693.00	693.00
3761938.31	941.00	858.00	858.00	858.00	858.00	858.00	555.00	616.00	654.00
3760938.31	941.00	824.00	858.00	858.00	858.00	802.00	771.00	751.00	654.00
3759938.31	887.00	890.00	833.00	829.00	802.00	771.00	771.00	774.00	774.00
3758938.31	890.00	890.00	890.00	829.00	741.00	731.00	751.00	751.00	774.00
3757938.31	890.00	890.00	890.00	890.00	684.00	603.80	738.00	774.00	774.00
3756938.31	890.00	890.00	890.00	682.00	574.80	581.40	584.90	774.00	774.00
3755938.31	890.00	890.00	890.00	721.00	558.10	556.20	551.80	549.40	607.00
3754938.31	890.00	890.00	518.00	530.30	617.00	537.10	527.60	525.60	528.00
3753938.31	484.50	494.20	500.90	617.00	617.00	615.00	811.00	811.00	777.00
3752938.31	472.20	481.00	482.10	483.90	811.00	811.00	811.00	811.00	811.00
3751938.31	472.00	468.70	466.60	798.00	811.00	811.00	811.00	811.00	811.00
3750938.31	462.20	741.00	777.00	798.00	811.00	811.00	798.00	811.00	811.00
3749938.31	766.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00	811.00
3748938.31	777.00	777.00	777.00	777.00	777.00	811.00	811.00	811.00	811.00
3747938.31	777.00	777.00	777.00	777.00	777.00	810.00	811.00	810.00	804.00
3746938.31	777.00	777.00	777.00	777.00	810.00	810.00	810.00	810.00	810.00
3745938.31	444.60	777.00	777.00	810.00	810.00	810.00	810.00	810.00	810.00
3744938.31	442.20	442.80	757.00	810.00	810.00	810.00	810.00	810.00	810.00
3743938.31	442.20	443.90	757.00	810.00	810.00	757.00	810.00	810.00	810.00
3742938.31	443.00	436.50	757.00	757.00	810.00	810.00	810.00	810.00	810.00
3741938.31	440.00	443.00	757.00	757.00	757.00	810.00	810.00	810.00	444.80

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3766938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3765938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3764938.31	2695.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3763938.31	2547.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3762938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3761938.31	686.00	2642.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3760938.31	697.00	685.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3759938.31	769.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3758938.31	755.00	762.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3757938.31	769.00	764.00	764.00	748.00	2697.00	2697.00	2697.00	2697.00	2697.00
3756938.31	760.00	761.00	764.00	763.00	794.00	2697.00	2697.00	2697.00	2697.00
3755938.31	760.00	760.00	683.00	727.00	794.00	768.00	2697.00	2697.00	2697.00
3754938.31	546.00	639.00	627.00	727.00	711.00	768.00	2697.00	2697.00	2697.00
3753938.31	777.00	569.00	596.00	581.00	692.00	653.00	2697.00	2697.00	2697.00
3752938.31	811.00	777.00	575.00	529.00	628.00	615.00	625.00	2697.00	746.00
3751938.31	811.00	777.00	461.00	460.80	578.00	546.20	592.00	746.00	709.00
3750938.31	811.00	811.00	437.30	433.00	456.70	518.00	713.00	713.00	680.00
3749938.31	811.00	811.00	432.30	428.00	441.00	713.00	713.00	713.00	713.00
3748938.31	811.00	729.00	729.00	432.00	439.00	713.00	713.00	713.00	663.00
3747938.31	804.00	804.00	729.00	437.00	430.60	428.00	713.00	713.00	663.00
3746938.31	810.00	804.00	599.00	436.10	434.50	439.70	433.90	653.00	663.00
3745938.31	810.00	804.00	437.10	439.10	796.00	796.00	438.10	435.60	446.20
3744938.31	810.00	804.00	436.10	796.00	796.00	796.00	796.00	796.00	439.20
3743938.31	810.00	447.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3742938.31	453.00	463.60	796.00	796.00	796.00	796.00	796.00	796.00	796.00
3741938.31	459.30	477.60	796.00	796.00	796.00	796.00	781.00	796.00	796.00

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3766938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3765938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3764938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3763938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3762938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3761938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3760938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3759938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3758938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3757938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3756938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3755938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3754938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3753938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3752938.31	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00	2697.00
3751938.31	702.00	859.00	869.00	869.00	2697.00	2697.00	2697.00	2697.00	2697.00
3750938.31	679.00	869.00	799.00	869.00	792.00	2697.00	2697.00	2697.00	2697.00
3749938.31	782.00	860.00	774.00	749.00	819.00	819.00	753.00	936.00	2697.00
3748938.31	644.00	670.00	716.00	711.00	783.00	783.00	745.00	748.00	726.00
3747938.31	618.00	800.00	800.00	800.00	830.00	830.00	1129.00	1147.00	1220.00
3746938.31	800.00	800.00	800.00	800.00	1147.00	1147.00	1220.00	1237.00	1237.00
3745938.31	800.00	1133.00	1133.00	1147.00	1220.00	1220.00	1237.00	1237.00	1237.00
3744938.31	1129.00	1147.00	1168.00	1220.00	1133.00	1220.00	1220.00	1016.00	1220.00
3743938.31	1133.00	1168.00	1220.00	1220.00	1220.00	1168.00	1133.00	1168.00	1078.00
3742938.31	1133.00	1168.00	1220.00	1220.00	1237.00	1237.00	1220.00	1168.00	1168.00
3741938.31	1133.00	1168.00	1220.00	1220.00	1237.00	1237.00	1237.00	1237.00	1220.00

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

484551.7, 484651.7, 484751.7, 484851.7, 484951.7, 485051.7, 485151.7, 485251.7, 485351.7, 485451.7,

*** Y-COORDINATES OF GRID ***
(METERS)

3750934.4, 3751034.4, 3751134.4, 3751234.4, 3751334.4, 3751434.4, 3751534.4, 3751634.4, 3751734.4, 3751834.4,
3751934.4, 3752034.4, 3752134.4, 3752234.4, 3752334.4, 3752434.4, 3752534.4, 3752634.4, 3752734.4, 3752834.4,
3752934.4, 3753034.4, 3753134.4, 3753234.4, 3753334.4, 3753434.4, 3753534.4, 3753634.4, 3753734.4, 3753834.4,
3753934.4, 3754034.4, 3754134.4, 3754234.4, 3754334.4, 3754434.4, 3754534.4, 3754634.4,

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	524.70	525.20	523.10	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	523.30	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	521.50	520.70	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	518.70	518.40	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	516.90	518.10	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	518.10	514.80	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	517.70	512.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	515.80	511.30	512.10	511.60	512.10	508.80	506.80	509.90	509.10
3753834.43	510.50	509.90	507.90	511.00	507.90	508.00	508.50	506.70	502.40
3753734.43	507.90	507.90	506.50	506.80	505.40	503.10	508.40	504.90	503.30
3753634.43	505.40	508.10	501.40	503.70	503.70	503.30	503.20	503.00	502.00
3753534.43	502.40	500.60	501.10	505.00	504.30	501.80	501.10	498.80	499.90
3753434.43	498.20	500.10	501.50	501.30	502.50	501.60	499.50	497.50	498.00
3753334.43	498.80	499.20	497.80	498.20	498.30	499.50	497.40	496.00	496.90
3753234.43	496.80	496.00	496.70	497.80	496.40	495.20	496.20	494.90	496.00
3753134.43	498.10	497.00	494.60	493.00	495.50	495.30	497.10	492.90	491.50
3753034.43	494.30	493.10	494.60	493.00	494.00	492.80	493.70	491.30	491.10
3752934.43	487.60	488.10	490.80	488.60	490.80	489.70	490.10	490.20	488.40
3752834.43	488.90	488.00	489.10	488.80	488.50	487.50	487.80	490.40	486.40
3752734.43	486.30	487.90	485.40	485.50	485.30	487.90	484.30	486.00	484.80
3752634.43	486.90	484.10	487.00	485.90	483.90	490.10	488.80	486.00	483.20
3752534.43	483.40	482.40	478.60	483.50	481.50	482.10	483.90	481.50	482.60
3752434.43	480.00	484.30	482.60	483.00	481.10	477.10	483.10	479.20	483.50
3752334.43	478.40	481.10	480.70	479.00	480.30	479.30	481.40	480.90	483.80
3752234.43	475.80	477.00	481.50	478.90	478.30	472.50	481.10	479.50	483.70
3752134.43	475.40	478.80	479.20	479.80	480.70	479.50	480.70	485.90	491.70
3752034.43	480.20	481.20	476.20	478.10	482.00	478.70	482.40	487.10	493.80
3751934.43	475.60	477.20	479.30	478.60	479.40	482.60	487.80	490.10	497.20
3751834.43	475.90	478.80	480.40	483.60	480.90	486.20	491.70	498.90	506.50
3751734.43	482.60	483.70	490.40	491.10	488.70	490.80	495.50	501.30	512.70
3751634.43	487.30	492.60	492.30	493.50	495.90	493.70	501.30	512.90	527.00
3751534.43	490.70	494.00	501.90	502.10	505.60	504.10	514.20	535.70	561.00
3751434.43	495.40	502.10	507.10	510.40	512.40	522.30	540.90	563.70	601.20
3751334.43	500.20	504.10	509.30	515.40	516.70	531.00	556.50	596.00	635.10

3751234.43	504.80	510.60	515.40	521.50	530.10	547.10	570.50	612.20	650.20
3751134.43	512.40	513.00	516.40	540.90	547.30	559.70	574.00	609.80	636.10
3751034.43	514.10	518.70	538.20	566.60	558.70	570.80	594.70	631.60	660.00
3750934.43	532.10	531.70	564.30	576.10	577.60	587.10	618.00	658.00	693.50

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	521.00
3754534.43	516.00
3754434.43	517.30
3754334.43	515.90
3754234.43	512.70
3754134.43	511.30
3754034.43	507.50
3753934.43	507.60
3753834.43	504.10
3753734.43	502.70
3753634.43	500.40
3753534.43	500.80
3753434.43	497.40
3753334.43	496.10
3753234.43	494.70
3753134.43	492.30
3753034.43	491.70
3752934.43	485.90
3752834.43	487.20
3752734.43	485.10
3752634.43	485.10
3752534.43	484.10
3752434.43	485.40
3752334.43	484.70
3752234.43	491.00
3752134.43	493.80
3752034.43	502.20
3751934.43	504.90
3751834.43	515.40
3751734.43	523.90
3751634.43	548.80
3751534.43	594.90
3751434.43	642.40
3751334.43	689.90
3751234.43	687.90
3751134.43	679.30
3751034.43	697.10
3750934.43	732.40

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	615.00	527.00	526.00	525.80	528.40	524.90	523.30	520.90	521.20
3754534.43	615.00	524.60	520.30	520.80	522.10	525.20	522.20	522.00	520.10
3754434.43	616.00	615.00	519.70	518.80	521.60	519.90	519.90	519.10	517.50
3754334.43	616.00	615.00	519.20	519.50	517.90	516.50	514.80	517.10	515.50
3754234.43	616.00	615.00	517.20	516.70	516.10	516.10	512.90	513.20	512.60
3754134.43	616.00	615.00	515.00	514.30	512.80	511.00	512.20	514.20	509.80
3754034.43	615.00	615.00	512.20	511.30	511.00	511.10	507.00	513.40	508.40
3753934.43	615.00	559.00	512.10	511.60	512.10	508.80	811.00	811.00	811.00
3753834.43	615.00	559.00	507.90	511.00	811.00	811.00	811.00	811.00	811.00
3753734.43	613.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3753034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3752034.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751934.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751834.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751734.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751634.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751534.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751434.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751334.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751234.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00
3751134.43	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00	811.00

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 3751034.43 |        811.00       811.00       811.00       811.00       811.00       811.00       811.00       811.00       811.00
 3750934.43 |        811.00       811.00       811.00       811.00       811.00       811.00       811.00       811.00       811.00
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                    *** PM2.5 - LST Assessment (No Refrigeration)                               ***        13:11:20
                                                                                                                           PAGE  50
 **MODELOPTs:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                  *** NETWORK ID: UCART3   ;  NETWORK TYPE: GRIDCART ***

                                              * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     485451.71
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3754634.43 |        521.00
 3754534.43 |        520.00
 3754434.43 |        517.30
 3754334.43 |        515.90
 3754234.43 |        512.70
 3754134.43 |        511.30
 3754034.43 |        811.00
 3753934.43 |        811.00
 3753834.43 |        811.00
 3753734.43 |        811.00
 3753634.43 |        811.00
 3753534.43 |        811.00
 3753434.43 |        811.00
 3753334.43 |        811.00
 3753234.43 |        811.00
 3753134.43 |        811.00
 3753034.43 |        811.00
 3752934.43 |        811.00
 3752834.43 |        811.00
 3752734.43 |        811.00
 3752634.43 |        811.00
 3752534.43 |        811.00
 3752434.43 |        811.00
 3752334.43 |        811.00
 3752234.43 |        811.00
 3752134.43 |        811.00
 3752034.43 |        811.00
 3751934.43 |        811.00
 3751834.43 |        811.00
 3751734.43 |        811.00
 3751634.43 |        811.00
 3751534.43 |        811.00
 3751434.43 |        811.00
 3751334.43 |        811.00
 3751234.43 |        811.00
 3751134.43 |        811.00
 3751034.43 |        811.00
 3750934.43 |        811.00
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                    *** PM2.5 - LST Assessment (No Refrigeration)                               ***        13:11:20
                                                                                                                           PAGE  51
 **MODELOPTs:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                       *** GRIDDED RECEPTOR NETWORK SUMMARY ***

                                  *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                          *** X-COORDINATES OF GRID ***
                                                   (METERS)

       485549.5,  485649.5,  485749.5,  485849.5,

                                          *** Y-COORDINATES OF GRID ***
                                                   (METERS)

      3750934.9, 3751034.9, 3751134.9, 3751234.9, 3751334.9, 3751434.9, 3751534.9, 3751634.9, 3751734.9, 3751834.9,
      3751934.9, 3752034.9, 3752134.9, 3752234.9, 3752334.9, 3752434.9, 3752534.9, 3752634.9, 3752734.9, 3752834.9,
      3752934.9, 3753034.9, 3753134.9, 3753234.9, 3753334.9, 3753434.9,
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                    *** PM2.5 - LST Assessment (No Refrigeration)                               ***        13:11:20
                                                                                                                           PAGE  52
 **MODELOPTs:  NonDFAULT CONC                                                   ELEV
                         FASTALL

                                  *** NETWORK ID: UCART4   ;  NETWORK TYPE: GRIDCART ***

                                              * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     485549.47    485649.47    485749.47    485849.47
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 3753434.90 |        497.00       494.70       493.80       492.50
 3753334.90 |        495.20       494.30       494.20       494.90
 3753234.90 |        493.20       495.50       492.40       492.80
 3753134.90 |        490.00       490.70       490.50       489.50
 3753034.90 |        490.20       491.70       489.20       490.10
 3752934.90 |        488.20       488.60       486.50       488.00
 3752834.90 |        489.00       487.30       488.80       488.50
 3752734.90 |        488.90       487.30       487.40       486.30
 3752634.90 |        486.00       486.60       486.90       486.00
 3752534.90 |        486.00       484.20       484.00       486.00
 3752434.90 |        485.70       485.00       488.10       493.30
 3752334.90 |        489.50       491.30       494.00       502.10
 3752234.90 |        493.50       496.70       497.00       506.50
 3752134.90 |        498.50       502.00       503.90       507.60
 3752034.90 |        508.20       508.10       511.20       522.80
 3751934.90 |        513.90       513.00       519.30       532.40
 3751834.90 |        518.10       529.70       538.40       559.00
```

3751734.90	531.80	533.60	558.40	605.00
3751634.90	557.00	570.60	588.90	622.30
3751534.90	599.00	611.20	626.10	628.30
3751434.90	659.50	664.00	669.40	643.70
3751334.90	702.50	703.50	696.20	663.60
3751234.90	708.30	736.50	713.70	692.00
3751134.90	720.70	748.90	725.50	720.30
3751034.90	744.10	769.60	738.00	734.40
3750934.90	771.00	782.40	753.40	754.20

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	811.00	811.00	811.00	811.00
3753334.90	811.00	811.00	811.00	811.00
3753234.90	811.00	811.00	811.00	811.00
3753134.90	811.00	811.00	811.00	811.00
3753034.90	811.00	811.00	811.00	811.00
3752934.90	811.00	811.00	811.00	811.00
3752834.90	811.00	811.00	811.00	811.00
3752734.90	811.00	811.00	811.00	811.00
3752634.90	811.00	811.00	811.00	811.00
3752534.90	811.00	811.00	811.00	811.00
3752434.90	811.00	811.00	811.00	811.00
3752334.90	811.00	811.00	811.00	811.00
3752234.90	811.00	811.00	811.00	811.00
3752134.90	811.00	811.00	811.00	811.00
3752034.90	811.00	811.00	811.00	811.00
3751934.90	811.00	811.00	811.00	811.00
3751834.90	811.00	811.00	811.00	811.00
3751734.90	811.00	811.00	811.00	811.00
3751634.90	811.00	811.00	811.00	811.00
3751534.90	811.00	811.00	811.00	811.00
3751434.90	811.00	811.00	811.00	811.00
3751334.90	811.00	811.00	811.00	811.00
3751234.90	811.00	811.00	811.00	811.00
3751134.90	811.00	811.00	811.00	811.00
3751034.90	811.00	798.00	811.00	811.00
3750934.90	798.00	798.00	811.00	811.00

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(485619.4, 3753969.7, 505.7, 811.0, 0.0); (485713.0, 3753961.9, 506.6, 811.0, 0.0);
(487190.8, 3754410.3, 509.4, 776.0, 0.0); (487194.8, 3754289.5, 507.2, 777.0, 0.0);
(487268.8, 3754090.6, 503.1, 777.0, 0.0); (487483.3, 3754102.3, 502.0, 777.0, 0.0);

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0113690	485553.0	3754938.3	-8.64
L0113691	485553.0	3754938.3	-0.74
L0112244	487190.8	3754410.3	-0.17

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: RIVR2.SFC Met Version: 11059
Profile file: RIVR2.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 2 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2005 Year: 2005

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
05	01	01	1	01	-7.5	0.135	-9.000	-9.000	-999.	115.	29.0	0.39	1.00	1.00	1.60	338.	9.1	279.2	5.5
05	01	01	1	02	-2.2	0.057	-9.000	-9.000	-999.	34.	7.4	0.39	1.00	1.00	0.90	264.	9.1	279.2	5.5
05	01	01	1	03	-4.0	0.070	-9.000	-9.000	-999.	42.	7.4	0.39	1.00	1.00	1.10	54.	9.1	278.8	5.5
05	01	01	1	04	-1.6	0.044	-9.000	-9.000	-999.	21.	4.7	0.39	1.00	1.00	0.70	360.	9.1	278.8	5.5
05	01	01	1	05	-2.7	0.063	-9.000	-9.000	-999.	37.	8.2	0.39	1.00	1.00	1.00	318.	9.1	278.1	5.5
05	01	01	1	06	-2.8	0.070	-9.000	-9.000	-999.	42.	10.5	0.39	1.00	1.00	1.10	53.	9.1	277.5	5.5
05	01	01	1	07	-3.8	0.070	-9.000	-9.000	-999.	42.	7.7	0.39	1.00	1.00	1.10	134.	9.1	278.8	5.5
05	01	01	1	08	-2.3	0.057	-9.000	-9.000	-999.	31.	7.0	0.39	1.00	0.53	0.90	319.	9.1	278.8	5.5
05	01	01	1	09	29.7	0.193	0.388	0.005	69.	195.	-21.1	0.39	1.00	0.32	1.20	110.	9.1	282.0	5.5
05	01	01	1	10	78.5	0.248	1.193	0.005	760.	285.	-17.1	0.39	1.00	0.25	1.50	107.	9.1	284.2	5.5
05	01	01	1	11	118.9	0.316	1.511	0.007	1020.	409.	-23.3	0.39	1.00	0.22	2.00	122.	9.1	285.9	5.5
05	01	01	1	12	132.2	0.238	1.665	0.009	1227.	270.	-9.0	0.39	1.00	0.21	1.30	154.	9.1	287.0	5.5
05	01	01	1	13	80.9	0.249	1.421	0.009	1245.	286.	-16.8	0.39	1.00	0.21	1.50	166.	9.1	287.0	5.5
05	01	01	1	14	80.7	0.305	1.427	0.009	1263.	388.	-31.0	0.39	1.00	0.23	2.00	235.	9.1	287.5	5.5
05	01	01	1	15	36.6	0.321	1.098	0.009	1270.	419.	-79.5	0.39	1.00	0.26	2.30	305.	9.1	286.4	5.5
05	01	01	1	16	1.2	0.206	0.354	0.009	1271.	221.	-629.7	0.39	1.00	0.35	1.60	292.	9.1	285.9	5.5
05	01	01	1	17	-11.9	0.181	-9.000	-9.000	-999.	178.	44.1	0.39	1.00	0.63	1.90	280.	9.1	285.4	5.5
05	01	01	1	18	-17.1	0.313	-9.000	-9.000	-999.	404.	158.3	0.39	1.00	1.00	2.70	304.	9.1	284.2	5.5
05	01	01	1	19	-8.7	0.159	-9.000	-9.000	-999.	161.	40.6	0.39	1.00	1.00	1.70	311.	9.1	283.8	5.5
05	01	01	1	20	-3.8	0.070	-9.000	-9.000	-999.	48.	7.8	0.39	1.00	1.00	1.10	13.	9.1	283.1	5.5
05	01	01	1	21	-4.7	0.076	-9.000	-9.000	-999.	48.	8.2	0.39	1.00	1.00	1.20	8.	9.1	282.0	5.5
05	01	01	1	22	-2.1	0.051	-9.000	-9.000	-999.	26.	5.4	0.39	1.00	1.00	0.80	183.	9.1	280.9	5.5
05	01	01	1	23	-2.1	0.051	-9.000	-9.000	-999.	26.	5.4	0.39	1.00	1.00	0.80	16.	9.1	280.4	5.5
05	01	01	1	24	-2.1	0.051	-9.000	-9.000	-999.	26.	5.4	0.39	1.00	1.00	0.80	62.	9.1	279.9	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
05	01	01	01	5.5	0	-999.	-99.00	279.3	99.0	-99.00	-99.00
05	01	01	01	9.1	1	338.	1.60	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114038 , L0114039 , L0114040 , L0114041 ,
L0114042 , L0114043 , L0114044 , L0114045 , L0114046 , L0114047 , L0114048 , L0114049 ,
L0114050 , L0114051 , L0114052 , L0114053 , L0112020 , L0112021 , L0112022 , L0112023 ,
L0112024 , L0112025 , L0112026 , L0112027 , L0112028 , L0112029 , L0112030 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03	466553.03	467553.03	468553.03	469553.03
3767938.31	0.00141	0.00145	0.00149	0.00153	0.00158	0.00162	0.00167	0.00173	0.00180
3766938.31	0.00145	0.00146	0.00150	0.00155	0.00159	0.00164	0.00170	0.00194	0.00185
3765938.31	0.00145	0.00160	0.00153	0.00157	0.00163	0.00166	0.00177	0.00199	0.00192
3764938.31	0.00145	0.00157	0.00161	0.00160	0.00164	0.00169	0.00177	0.00188	0.00196
3763938.31	0.00145	0.00162	0.00154	0.00160	0.00164	0.00172	0.00180	0.00190	0.00203
3762938.31	0.00144	0.00149	0.00154	0.00159	0.00166	0.00174	0.00184	0.00195	0.00209
3761938.31	0.00143	0.00148	0.00154	0.00160	0.00168	0.00177	0.00187	0.00199	0.00214
3760938.31	0.00143	0.00149	0.00155	0.00165	0.00171	0.00180	0.00191	0.00203	0.00219
3759938.31	0.00145	0.00150	0.00165	0.00166	0.00175	0.00184	0.00195	0.00208	0.00224
3758938.31	0.00146	0.00153	0.00161	0.00169	0.00178	0.00187	0.00199	0.00211	0.00227
3757938.31	0.00149	0.00155	0.00163	0.00174	0.00180	0.00189	0.00201	0.00216	0.00233
3756938.31	0.00149	0.00156	0.00164	0.00173	0.00183	0.00197	0.00209	0.00218	0.00237
3755938.31	0.00148	0.00155	0.00163	0.00172	0.00183	0.00200	0.00215	0.00234	0.00242
3754938.31	0.00146	0.00154	0.00163	0.00173	0.00184	0.00204	0.00219	0.00238	0.00259
3753938.31	0.00145	0.00152	0.00161	0.00170	0.00184	0.00201	0.00216	0.00239	0.00257
3752938.31	0.00143	0.00150	0.00159	0.00168	0.00182	0.00199	0.00218	0.00235	0.00249
3751938.31	0.00140	0.00146	0.00154	0.00164	0.00177	0.00191	0.00206	0.00222	0.00238
3750938.31	0.00137	0.00144	0.00152	0.00160	0.00167	0.00182	0.00200	0.00212	0.00223
3749938.31	0.00134	0.00139	0.00150	0.00163	0.00170	0.00176	0.00188	0.00198	0.00197
3748938.31	0.00134	0.00132	0.00141	0.00151	0.00161	0.00170	0.00172	0.00147	0.00170
3747938.31	0.00131	0.00137	0.00134	0.00141	0.00151	0.00127	0.00134	0.00140	0.00169
3746938.31	0.00127	0.00135	0.00139	0.00138	0.00147	0.00157	0.00164	0.00171	0.00176
3745938.31	0.00123	0.00131	0.00134	0.00136	0.00139	0.00148	0.00158	0.00160	0.00161
3744938.31	0.00119	0.00125	0.00128	0.00132	0.00139	0.00148	0.00128	0.00152	0.00156
3743938.31	0.00115	0.00119	0.00125	0.00131	0.00137	0.00143	0.00152	0.00160	0.00167
3742938.31	0.00115	0.00120	0.00127	0.00125	0.00128	0.00130	0.00150	0.00141	0.00130
3741938.31	0.00117	0.00095	0.00093	0.00098	0.00089	0.00104	0.00104	0.00094	0.00120

**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114038 , L0114039 , L0114040 , L0114041 ,
L0114042 , L0114043 , L0114044 , L0114045 , L0114046 , L0114047 , L0114048 , L0114049 ,

L0114050 , L0114051 , L0114052 , L0114053 , L0112020 , L0112021 , L0112022 , L0112023 ,
L0112024 , L0112025 , L0112026 , L0112027 , L0112028 , L0112029 , L0112030 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 470553.03	471553.03	472553.03	473553.03	474553.03	475553.03	476553.03	477553.03	478553.03
3767938.31	0.00187	0.00194	0.00203	0.00211	0.00220	0.00231	0.00242	0.00255	0.00269
3766938.31	0.00195	0.00208	0.00217	0.00225	0.00243	0.00258	0.00262	0.00276	0.00291
3765938.31	0.00203	0.00217	0.00247	0.00240	0.00260	0.00284	0.00301	0.00311	0.00328
3764938.31	0.00209	0.00225	0.00187	0.00271	0.00271	0.00302	0.00307	0.00301	0.00340
3763938.31	0.00217	0.00233	0.00264	0.00278	0.00291	0.00310	0.00331	0.00320	0.00287
3762938.31	0.00222	0.00241	0.00261	0.00283	0.00312	0.00320	0.00361	0.00377	0.00384
3761938.31	0.00245	0.00232	0.00240	0.00304	0.00257	0.00208	0.00255	0.00332	0.00425
3760938.31	0.00248	0.00279	0.00222	0.00229	0.00293	0.00279	0.00230	0.00254	0.00368
3759938.31	0.00243	0.00265	0.00210	0.00184	0.00292	0.00359	0.00374	0.00273	0.00398
3758938.31	0.00248	0.00276	0.00187	0.00189	0.00293	0.00383	0.00427	0.00457	0.00457
3757938.31	0.00261	0.00289	0.00311	0.00192	0.00213	0.00386	0.00464	0.00513	0.00537
3756938.31	0.00267	0.00303	0.00329	0.00343	0.00244	0.00395	0.00485	0.00560	0.00628
3755938.31	0.00281	0.00310	0.00331	0.00367	0.00395	0.00440	0.00502	0.00576	0.00675
3754938.31	0.00281	0.00305	0.00331	0.00365	0.00406	0.00457	0.00520	0.00598	0.00700
3753938.31	0.00278	0.00292	0.00322	0.00354	0.00392	0.00442	0.00504	0.00580	0.00681
3752938.31	0.00262	0.00285	0.00311	0.00337	0.00373	0.00416	0.00470	0.00537	0.00626
3751938.31	0.00245	0.00245	0.00287	0.00317	0.00346	0.00382	0.00427	0.00484	0.00560
3750938.31	0.00220	0.00222	0.00261	0.00293	0.00317	0.00347	0.00387	0.00435	0.00500
3749938.31	0.00186	0.00194	0.00219	0.00270	0.00293	0.00320	0.00353	0.00397	0.00452
3748938.31	0.00171	0.00186	0.00209	0.00243	0.00276	0.00300	0.00330	0.00369	0.00415
3747938.31	0.00175	0.00189	0.00207	0.00228	0.00263	0.00285	0.00311	0.00344	0.00384
3746938.31	0.00170	0.00189	0.00206	0.00216	0.00243	0.00271	0.00292	0.00321	0.00354
3745938.31	0.00160	0.00186	0.00201	0.00215	0.00229	0.00257	0.00276	0.00300	0.00330
3744938.31	0.00171	0.00185	0.00195	0.00206	0.00209	0.00244	0.00260	0.00281	0.00311
3743938.31	0.00173	0.00177	0.00186	0.00195	0.00205	0.00232	0.00247	0.00268	0.00297
3742938.31	0.00151	0.00155	0.00164	0.00179	0.00194	0.00219	0.00238	0.00257	0.00286
3741938.31	0.00118	0.00129	0.00144	0.00161	0.00169	0.00175	0.00222	0.00251	0.00276

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
PAGE 60

**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114038 , L0114039 , L0114040 , L0114041 ,
L0114042 , L0114043 , L0114044 , L0114045 , L0114046 , L0114047 , L0114048 , L0114049 ,
L0114050 , L0114051 , L0114052 , L0114053 , L0112020 , L0112021 , L0112022 , L0112023 ,
L0112024 , L0112025 , L0112026 , L0112027 , L0112028 , L0112029 , L0112030 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 479553.03	480553.03	481553.03	482553.03	483553.03	484553.03	485553.03	486553.03	487553.03
3767938.31	0.00286	0.00303	0.00324	0.00344	0.00367	0.00390	0.00411	0.00421	0.00417
3766938.31	0.00305	0.00333	0.00353	0.00378	0.00407	0.00433	0.00450	0.00437	0.00431
3765938.31	0.00344	0.00351	0.00394	0.00421	0.00453	0.00473	0.00479	0.00465	0.00437
3764938.31	0.00377	0.00397	0.00412	0.00458	0.00494	0.00512	0.00497	0.00477	0.00449
3763938.31	0.00354	0.00440	0.00472	0.00502	0.00545	0.00590	0.00505	0.00469	0.00462
3762938.31	0.00325	0.00362	0.00519	0.00568	0.00626	0.00678	0.00720	0.00713	0.00643
3761938.31	0.00351	0.00327	0.00502	0.00516	0.00701	0.00794	0.00863	0.00806	0.00775
3760938.31	0.00426	0.00337	0.00367	0.00464	0.00567	0.00738	0.01018	0.01124	0.01115
3759938.31	0.00349	0.00401	0.00417	0.00464	0.00551	0.00774	0.01032	0.01280	0.01307
3758938.31	0.00372	0.00417	0.00528	0.00576	0.00652	0.00829	0.01013	0.01054	0.01276
3757938.31	0.00464	0.00474	0.00564	0.00787	0.00880	0.01188	0.01262	0.01471	0.01572
3756938.31	0.00654	0.00711	0.00731	0.00873	0.01436	0.01748	0.02176	0.02569	0.02559
3755938.31	0.00796	0.00936	0.01132	0.01491	0.01936	0.02820	0.04555	0.07026	0.05926
3754938.31	0.00839	0.01030	0.01313	0.01764	0.02522	0.04190	0.34248	0.40086	0.49832
3753938.31	0.00814	0.01018	0.01315	0.01774	0.02470	0.04333	0.25702	0.29775	0.45426
3752938.31	0.00737	0.00905	0.01142	0.01513	0.02154	0.03554	0.09917	0.24003	0.43623
3751938.31	0.00656	0.00786	0.00969	0.01245	0.01687	0.02590	0.04628	0.04735	0.10129
3750938.31	0.00578	0.00687	0.00825	0.01046	0.01417	0.01878	0.01576	0.02394	0.05023
3749938.31	0.00523	0.00610	0.00750	0.00902	0.01167	0.01330	0.01573	0.02504	0.03954
3748938.31	0.00474	0.00553	0.00643	0.00449	0.00957	0.01352	0.01761	0.02275	0.02649
3747938.31	0.00433	0.00502	0.00372	0.00488	0.00925	0.01159	0.01428	0.01761	0.01753
3746938.31	0.00398	0.00464	0.00560	0.00678	0.00826	0.00994	0.01185	0.01322	0.01648
3745938.31	0.00372	0.00429	0.00510	0.00622	0.00738	0.00864	0.00923	0.00769	0.01286
3744938.31	0.00351	0.00406	0.00477	0.00562	0.00663	0.00765	0.00485	0.00967	0.01066
3743938.31	0.00335	0.00387	0.00448	0.00518	0.00593	0.00367	0.00743	0.00809	0.00907
3742938.31	0.00323	0.00367	0.00422	0.00483	0.00546	0.00596	0.00642	0.00706	0.00780
3741938.31	0.00311	0.00353	0.00398	0.00449	0.00501	0.00533	0.00572	0.00625	0.00688

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114038 , L0114039 , L0114040 , L0114041 ,
L0114042 , L0114043 , L0114044 , L0114045 , L0114046 , L0114047 , L0114048 , L0114049 ,
L0114050 , L0114051 , L0114052 , L0114053 , L0112020 , L0112021 , L0112022 , L0112023 ,
L0112024 , L0112025 , L0112026 , L0112027 , L0112028 , L0112029 , L0112030 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 488553.03	489553.03	490553.03	491553.03	492553.03	493553.03	494553.03	495553.03	496553.03
3767938.31	0.00407	0.00378	0.00324	0.00288	0.00260	0.00212	0.00227	0.00231	0.00209

3766938.31	0.00385	0.00361	0.00316	0.00319	0.00296	0.00283	0.00273	0.00247	0.00220
3765938.31	0.00399	0.00380	0.00401	0.00409	0.00366	0.00326	0.00292	0.00257	0.00237
3764938.31	0.00447	0.00475	0.00467	0.00454	0.00411	0.00345	0.00313	0.00279	0.00257
3763938.31	0.00509	0.00526	0.00564	0.00483	0.00447	0.00390	0.00334	0.00306	0.00289
3762938.31	0.00751	0.00729	0.00629	0.00550	0.00468	0.00419	0.00369	0.00344	0.00323
3761938.31	0.00673	0.00652	0.00610	0.00570	0.00514	0.00456	0.00422	0.00391	0.00370
3760938.31	0.00921	0.00757	0.00731	0.00655	0.00582	0.00545	0.00497	0.00459	0.00420
3759938.31	0.01419	0.01298	0.01018	0.00847	0.00729	0.00661	0.00591	0.00536	0.00485
3758938.31	0.01151	0.01150	0.01210	0.01000	0.01002	0.00828	0.00725	0.00615	0.00565
3757938.31	0.01514	0.01426	0.01312	0.01182	0.01022	0.00989	0.00793	0.00700	0.00619
3756938.31	0.02297	0.02110	0.01847	0.01529	0.01247	0.01096	0.00985	0.00813	0.00696
3755938.31	0.05085	0.03594	0.02765	0.02080	0.01673	0.01354	0.01125	0.00959	0.00806
3754938.31	0.41594	0.09416	0.05264	0.03288	0.02298	0.01827	0.01399	0.01104	0.00933
3753938.31	0.39887	0.48297	0.13744	0.05998	0.03991	0.02544	0.02078	0.01468	0.01077
3752938.31	1.59726	0.52689	0.51860	0.14237	0.07932	0.04297	0.02927	0.01926	0.01239
3751938.31	0.14739	0.16304	0.16753	0.13593	0.08845	0.05172	0.03583	0.02392	0.01516
3750938.31	0.07498	0.08157	0.08277	0.07402	0.06384	0.05316	0.04232	0.02905	0.01746
3749938.31	0.04647	0.05133	0.05255	0.04998	0.04556	0.04071	0.03564	0.02015	0.01820
3748938.31	0.03289	0.03571	0.03728	0.03663	0.03407	0.03088	0.02786	0.02218	0.01444
3747938.31	0.02401	0.02642	0.02805	0.02830	0.02678	0.02467	0.02280	0.02120	0.01944
3746938.31	0.01836	0.02130	0.02189	0.02233	0.02177	0.02066	0.01911	0.01787	0.01694
3745938.31	0.01458	0.01630	0.01756	0.01818	0.01810	0.01734	0.01635	0.01533	0.01458
3744938.31	0.01200	0.01341	0.01440	0.01504	0.01520	0.01483	0.01417	0.01341	0.01272
3743938.31	0.01016	0.01126	0.01214	0.01273	0.01324	0.01308	0.01238	0.01186	0.01132
3742938.31	0.00873	0.00968	0.01049	0.01112	0.01034	0.00637	0.00715	0.01062	0.01023
3741938.31	0.00762	0.00843	0.00913	0.00838	0.00705	0.00585	0.00554	0.00956	0.00927

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114038 , L0114039 , L0114040 , L0114041 ,
L0114042 , L0114043 , L0114044 , L0114045 , L0114046 , L0114047 , L0114048 , L0114049 ,
L0114050 , L0114051 , L0114052 , L0114053 , L0112020 , L0112021 , L0112022 , L0112023 ,
L0112024 , L0112025 , L0112026 , L0112027 , L0112028 , L0112029 , L0112030 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 497553.03	498553.03	499553.03	500553.03	501553.03	502553.03	503553.03	504553.03	505553.03
3767938.31	0.00189	0.00160	0.00145	0.00122	0.00081	0.00059	0.00044	0.00032	0.00023
3766938.31	0.00201	0.00171	0.00141	0.00125	0.00080	0.00029	0.00029	0.00029	0.00029
3765938.31	0.00217	0.00177	0.00098	0.00116	0.00091	0.00040	0.00034	0.00033	0.00040
3764938.31	0.00244	0.00209	0.00187	0.00187	0.00107	0.00069	0.00063	0.00060	0.00045
3763938.31	0.00273	0.00259	0.00243	0.00221	0.00188	0.00115	0.00101	0.00105	0.00076
3762938.31	0.00305	0.00294	0.00257	0.00230	0.00205	0.00176	0.00144	0.00123	0.00106
3761938.31	0.00349	0.00324	0.00282	0.00153	0.00220	0.00178	0.00187	0.00174	0.00136
3760938.31	0.00392	0.00356	0.00308	0.00278	0.00246	0.00236	0.00212	0.00194	0.00166
3759938.31	0.00436	0.00395	0.00359	0.00326	0.00294	0.00264	0.00240	0.00214	0.00195
3758938.31	0.00492	0.00435	0.00385	0.00350	0.00320	0.00297	0.00277	0.00252	0.00222
3757938.31	0.00540	0.00478	0.00429	0.00391	0.00359	0.00329	0.00305	0.00284	0.00260
3756938.31	0.00610	0.00537	0.00476	0.00430	0.00392	0.00360	0.00333	0.00310	0.00290
3755938.31	0.00694	0.00611	0.00543	0.00487	0.00440	0.00399	0.00363	0.00331	0.00304
3754938.31	0.00794	0.00683	0.00591	0.00522	0.00463	0.00417	0.00380	0.00349	0.00324
3753938.31	0.00893	0.00763	0.00659	0.00574	0.00508	0.00454	0.00411	0.00375	0.00345
3752938.31	0.01040	0.00860	0.00738	0.00635	0.00565	0.00503	0.00454	0.00414	0.00378
3751938.31	0.01215	0.01008	0.00821	0.00705	0.00628	0.00553	0.00495	0.00456	0.00418
3750938.31	0.01461	0.01170	0.00905	0.00783	0.00683	0.00603	0.00537	0.00488	0.00434
3749938.31	0.02046	0.01487	0.01052	0.00874	0.00764	0.00652	0.00580	0.00520	0.00469
3748938.31	0.01567	0.01579	0.01165	0.00940	0.00820	0.00742	0.00650	0.00608	0.00527
3747938.31	0.01314	0.01586	0.01087	0.01001	0.00846	0.00719	0.00712	0.00658	0.00630
3746938.31	0.01612	0.01499	0.00894	0.00833	0.00864	0.00768	0.00773	0.00744	0.00659
3745938.31	0.01392	0.01338	0.01177	0.01023	0.00909	0.00941	0.00786	0.00609	0.00544
3744938.31	0.01216	0.01164	0.01123	0.01094	0.00575	0.00568	0.00560	0.00467	0.00467
3743938.31	0.01082	0.01039	0.01001	0.00972	0.00905	0.00496	0.00414	0.00422	0.00374
3742938.31	0.00977	0.00941	0.00910	0.00884	0.00866	0.00683	0.00443	0.00366	0.00308
3741938.31	0.00893	0.00862	0.00833	0.00811	0.00792	0.00777	0.00765	0.00463	0.00346

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114038 , L0114039 , L0114040 , L0114041 ,
L0114042 , L0114043 , L0114044 , L0114045 , L0114046 , L0114047 , L0114048 , L0114049 ,
L0114050 , L0114051 , L0114052 , L0114053 , L0112020 , L0112021 , L0112022 , L0112023 ,
L0112024 , L0112025 , L0112026 , L0112027 , L0112028 , L0112029 , L0112030 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71	485051.71	485151.71	485251.71	485351.71
3754634.43	0.04488	0.04823	0.05240	0.05689	0.06220	0.07048	0.08103	0.09684	0.12508
3754534.43	0.04497	0.04827	0.05253	0.05736	0.06330	0.07047	0.08135	0.09701	0.12561
3754434.43	0.04485	0.04830	0.05233	0.05718	0.06297	0.07066	0.08095	0.09650	0.12501
3754334.43	0.04466	0.04806	0.05195	0.05665	0.06262	0.07015	0.08018	0.09493	0.12223
3754234.43	0.04441	0.04763	0.05158	0.05625	0.06199	0.06916	0.07888	0.09271	0.11668
3754134.43	0.04388	0.04742	0.05121	0.05578	0.06140	0.06837	0.07742	0.09012	0.11106
3754034.43	0.04345	0.04714	0.05087	0.05532	0.06069	0.06737	0.07592	0.08795	0.10746
3753934.43	0.04326	0.04677	0.05040	0.05474	0.05992	0.06651	0.07481	0.08641	0.10520
3753834.43	0.04329	0.04643	0.05008	0.05423	0.05943	0.06572	0.07380	0.08502	0.10202
3753734.43	0.04297	0.04606	0.04964	0.05383	0.05883	0.06491	0.07281	0.08382	0.10138
3753634.43	0.04249	0.04555	0.04892	0.05319	0.05813	0.06417	0.07191	0.08265	0.10008
3753534.43	0.04180	0.04470	0.04822	0.05245	0.05729	0.06313	0.07068	0.08083	0.09833
3753434.43	0.04084	0.04390	0.04738	0.05134	0.05613	0.06190	0.06914	0.07914	0.09627

3753334.43	0.04008	0.04295	0.04614	0.04999	0.05456	0.06026	0.06723	0.07697	0.09384
3753234.43	0.03907	0.04175	0.04496	0.04871	0.05296	0.05813	0.06506	0.07426	0.09035
3753134.43	0.03816	0.04074	0.04358	0.04690	0.05128	0.05625	0.06271	0.07066	0.08381
3753034.43	0.03694	0.03935	0.04232	0.04548	0.04943	0.05394	0.05975	0.06682	0.07746
3752934.43	0.03548	0.03786	0.04075	0.04364	0.04744	0.05159	0.05680	0.06330	0.07149
3752834.43	0.03457	0.03675	0.03936	0.04224	0.04558	0.04942	0.05417	0.06029	0.06693
3752734.43	0.03342	0.03563	0.03787	0.04059	0.04369	0.04758	0.05151	0.05692	0.06307
3752634.43	0.03246	0.03432	0.03674	0.03924	0.04200	0.04584	0.04979	0.05429	0.05958
3752534.43	0.03132	0.03315	0.03498	0.03772	0.04027	0.04342	0.04723	0.05119	0.05648
3752434.43	0.03021	0.03221	0.03412	0.03638	0.03875	0.04118	0.04512	0.04849	0.05371
3752334.43	0.02922	0.03104	0.03288	0.03483	0.03725	0.03979	0.04301	0.04645	0.05096
3752234.43	0.02820	0.02984	0.03185	0.03362	0.03572	0.03754	0.04114	0.04413	0.04830
3752134.43	0.02736	0.02903	0.03069	0.03254	0.03461	0.03676	0.03938	0.04262	0.04618
3752034.43	0.02682	0.02829	0.02955	0.03135	0.03347	0.03532	0.03792	0.04078	0.04397
3751934.43	0.02586	0.02726	0.02882	0.03037	0.03217	0.03429	0.03664	0.03915	0.04185
3751834.43	0.02517	0.02657	0.02802	0.02965	0.03120	0.03320	0.03533	0.03742	0.03931
3751734.43	0.02477	0.02600	0.02741	0.02886	0.03043	0.03218	0.03401	0.03587	0.03699
3751634.43	0.02420	0.02539	0.02666	0.02803	0.02945	0.03114	0.03263	0.03355	0.03309
3751534.43	0.02362	0.02474	0.02568	0.02695	0.02815	0.02975	0.03055	0.02869	0.02540
3751434.43	0.02302	0.02388	0.02479	0.02580	0.02692	0.02721	0.02563	0.02302	0.01970
3751334.43	0.02236	0.02322	0.02407	0.02478	0.02583	0.02536	0.02249	0.01857	0.01758
3751234.43	0.02170	0.02243	0.02313	0.02363	0.02374	0.02239	0.01998	0.01706	0.01673
3751134.43	0.02095	0.02180	0.02250	0.02086	0.02092	0.02011	0.01912	0.01677	0.01652
3751034.43	0.02041	0.02095	0.01992	0.01722	0.01900	0.01829	0.01663	0.01549	0.01559
3750934.43	0.01868	0.01945	0.01650	0.01589	0.01643	0.01623	0.01493	0.01457	0.01481

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114038 , L0114039 , L0114040 , L0114041 ,
L0114042 , L0114043 , L0114044 , L0114045 , L0114046 , L0114047 , L0114048 , L0114049 ,
L0114050 , L0114051 , L0114052 , L0114053 , L0112020 , L0112021 , L0112022 , L0112023 ,
L0112024 , L0112025 , L0112026 , L0112027 , L0112028 , L0112029 , L0112030 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485451.71
3754634.43	0.20530
3754534.43	0.20343
3754434.43	0.21026
3754334.43	0.20672
3754234.43	0.18688
3754134.43	0.16747
3754034.43	0.15616
3753934.43	0.15519
3753834.43	0.14969
3753734.43	0.14848
3753634.43	0.14589
3753534.43	0.14777
3753434.43	0.14270
3753334.43	0.14047
3753234.43	0.13617
3753134.43	0.12375
3753034.43	0.09859
3752934.43	0.08251
3752834.43	0.07631
3752734.43	0.07105
3752634.43	0.06704
3752534.43	0.06316
3752434.43	0.05979
3752334.43	0.05623
3752234.43	0.05333
3752134.43	0.05030
3752034.43	0.04704
3751934.43	0.04442
3751834.43	0.04059
3751734.43	0.03708
3751634.43	0.03015
3751534.43	0.02203
3751434.43	0.01901
3751334.43	0.01776
3751234.43	0.01712
3751134.43	0.01656
3751034.43	0.01587
3750934.43	0.01519

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114038 , L0114039 , L0114040 , L0114041 ,
L0114042 , L0114043 , L0114044 , L0114045 , L0114046 , L0114047 , L0114048 , L0114049 ,
L0114050 , L0114051 , L0114052 , L0114053 , L0112020 , L0112021 , L0112022 , L0112023 ,
L0112024 , L0112025 , L0112026 , L0112027 , L0112028 , L0112029 , L0112030 , . . . ,

*** NETWORK ID: UCART4 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 485549.47	485649.47	485749.47	485849.47
3753434.90	0.26111	0.16800	0.16537	0.18621
3753334.90	0.25666	0.16432	0.16151	0.18652
3753234.90	0.24907	0.16212	0.15816	0.19040

3753134.90	0.22658	0.14974	0.15270	0.19243
3753034.90	0.13711	0.13274	0.14407	0.19032
3752934.90	0.09817	0.11331	0.13301	0.18377
3752834.90	0.08825	0.10267	0.12614	0.17830
3752734.90	0.08199	0.09583	0.11864	0.17022
3752634.90	0.07642	0.08984	0.11185	0.16201
3752534.90	0.07188	0.08348	0.10323	0.15122
3752434.90	0.06735	0.07803	0.09745	0.14735
3752334.90	0.06339	0.07313	0.08977	0.13016
3752234.90	0.05915	0.06702	0.07954	0.09948
3752134.90	0.05502	0.06092	0.06902	0.07959
3752034.90	0.05008	0.05494	0.05958	0.05935
3751934.90	0.04605	0.05009	0.05187	0.05008
3751834.90	0.04275	0.04207	0.04201	0.03883
3751734.90	0.03731	0.03907	0.03476	0.02907
3751634.90	0.03019	0.02912	0.02753	0.02637
3751534.90	0.02293	0.02315	0.02350	0.02471
3751434.90	0.01972	0.02055	0.02151	0.02303
3751334.90	0.01853	0.01934	0.02036	0.02162
3751234.90	0.01774	0.01845	0.01944	0.02041
3751134.90	0.01701	0.01773	0.01861	0.01940
3751034.90	0.01634	0.01704	0.01784	0.01854
3750934.90	0.01572	0.01640	0.01711	0.01775

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114038 , L0114039 , L0114040 , L0114041 ,
L0114042 , L0114043 , L0114044 , L0114045 , L0114046 , L0114047 , L0114048 , L0114049 ,
L0114050 , L0114051 , L0114052 , L0114053 , L0112020 , L0112021 , L0112022 , L0112023 ,
L0112024 , L0112025 , L0112026 , L0112027 , L0112028 , L0112029 , L0112030 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
485619.40	3753969.72	0.20288	485712.99	3753961.92	0.19138
487190.85	3754410.34	1.86736	487194.75	3754289.46	1.23203
487268.83	3754090.60	0.78878	487483.30	3754102.29	0.54001

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114038 , L0114039 , L0114040 , L0114041 ,
L0114042 , L0114043 , L0114044 , L0114045 , L0114046 , L0114047 , L0114048 , L0114049 ,
L0114050 , L0114051 , L0114052 , L0114053 , L0112020 , L0112021 , L0112022 , L0112023 ,
L0112024 , L0112025 , L0112026 , L0112027 , L0112028 , L0112029 , L0112030 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 461553.03	462553.03	463553.03	464553.03	465553.03
3767938.3	0.01268 (07110224)	0.01322 (07110224)	0.01364 (07110224)	0.01401 (07110224)	0.01444 (07110224)
3766938.3	0.01223 (07110224)	0.01288 (07110224)	0.01357 (07110224)	0.01421 (07110224)	0.01464 (07110224)
3765938.3	0.01089 (07110224)	0.01280 (07110224)	0.01295 (07110224)	0.01389 (07110224)	0.01478 (07110224)
3764938.3	0.01107 (07120324)	0.01166 (07120324)	0.01191 (07110224)	0.01274 (07110224)	0.01387 (07110224)
3763938.3	0.01166 (07120324)	0.01276 (07120324)	0.01188 (07120324)	0.01198 (07120324)	0.01199 (07110224)
3762938.3	0.01210 (07120324)	0.01237 (07120324)	0.01258 (07120324)	0.01268 (07120324)	0.01294 (07120324)
3761938.3	0.01277 (07120324)	0.01298 (07120324)	0.01323 (07120324)	0.01355 (07120324)	0.01394 (07120324)
3760938.3	0.01398 (07120324)	0.01419 (07120324)	0.01439 (07120324)	0.01495 (07120324)	0.01517 (07120324)
3759938.3	0.01559 (07120324)	0.01583 (07120324)	0.01692 (07120324)	0.01659 (07120324)	0.01700 (07120324)
3758938.3	0.01654 (07120324)	0.01719 (07120324)	0.01789 (07120324)	0.01852 (07120324)	0.01910 (07120324)
3757938.3	0.01669 (07120324)	0.01749 (07120324)	0.01840 (07120324)	0.01960 (07120324)	0.02027 (07120324)
3756938.3	0.01586 (07120324)	0.01675 (07120324)	0.01770 (07120324)	0.01880 (07120324)	0.02007 (07120324)
3755938.3	0.01467 (07120324)	0.01551 (07120324)	0.01641 (07120324)	0.01743 (07120324)	0.01864 (07120324)
3754938.3	0.01314 (07120324)	0.01386 (07120324)	0.01470 (07120324)	0.01566 (07120324)	0.01675 (07120324)
3753938.3	0.01236 (07012424)	0.01297 (07012424)	0.01369 (07012424)	0.01449 (07012424)	0.01570 (07012424)
3752938.3	0.01246 (07012424)	0.01312 (07012424)	0.01394 (07012424)	0.01480 (07012424)	0.01598 (07012424)
3751938.3	0.01276 (07012424)	0.01336 (07012424)	0.01406 (07012424)	0.01501 (07012424)	0.01618 (07012424)
3750938.3	0.01282 (07012424)	0.01345 (07012424)	0.01423 (05031924)	0.01525 (05031924)	0.01627 (05031924)
3749938.3	0.01414 (05031924)	0.01499 (05031924)	0.01645 (05031924)	0.01806 (05031924)	0.01904 (05031924)
3748938.3	0.01577 (05031924)	0.01563 (05031924)	0.01672 (05031924)	0.01793 (05031924)	0.01888 (05031924)
3747938.3	0.01572 (05031924)	0.01620 (05031924)	0.01553 (05031924)	0.01577 (05031924)	0.01618 (05031924)
3746938.3	0.01402 (05031924)	0.01434 (05031924)	0.01390 (05031924)	0.01440 (05110924)	0.01660 (05110924)
3745938.3	0.01323 (05110924)	0.01504 (05110924)	0.01651 (05110924)	0.01777 (05110924)	0.01923 (05110924)
3744938.3	0.01555 (05110924)	0.01724 (05110924)	0.01851 (05110924)	0.01977 (05110924)	0.02127 (05110924)
3743938.3	0.01709 (05110924)	0.01822 (05110924)	0.01936 (05110924)	0.02040 (05110924)	0.02105 (05110924)
3742938.3	0.01801 (05110924)	0.01880 (05110924)	0.01959 (05110924)	0.02362 (05110924)	0.02368 (05110924)
3741938.3	0.01817 (05110924)	0.02313 (05110924)	0.01955 (05110924)	0.02272 (05120824)	0.02294 (05120824)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
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**MODELOPTs: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114038 , L0114039 , L0114040 , L0114041 ,
L0114042 , L0114043 , L0114044 , L0114045 , L0114046 , L0114047 , L0114048 , L0114049 ,
L0114050 , L0114051 , L0114052 , L0114053 , L0112020 , L0112021 , L0112022 , L0112023 ,
L0112024 , L0112025 , L0112026 , L0112027 , L0112028 , L0112029 , L0112030 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 466553.03	467553.03	468553.03	469553.03	470553.03
3767938.3	0.01478 (07110224)	0.01533 (07110224)	0.01567 (07110224)	0.01578 (07110224)	0.01536 (07110224)
3766938.3	0.01501 (07110224)	0.01558 (07110224)	0.01780 (07110224)	0.01686 (07110224)	0.01732 (07110224)
3765938.3	0.01527 (07110224)	0.01626 (07110224)	0.01829 (07110224)	0.01763 (07110224)	0.01860 (07110224)
3764938.3	0.01494 (07110224)	0.01602 (07110224)	0.01723 (07110224)	0.01805 (07110224)	0.01921 (07110224)
3763938.3	0.01352 (07110224)	0.01509 (07110224)	0.01674 (07110224)	0.01833 (07110224)	0.01987 (07110224)
3762938.3	0.01321 (07120324)	0.01349 (07120324)	0.01512 (07110224)	0.01734 (07110224)	0.01936 (07110224)
3761938.3	0.01430 (07120324)	0.01474 (07120324)	0.01525 (07120324)	0.01583 (07120324)	0.01859 (07110224)
3760938.3	0.01558 (07120324)	0.01611 (07120324)	0.01673 (07120324)	0.01757 (07120324)	0.01920 (07120324)
3759938.3	0.01741 (07120324)	0.01789 (07120324)	0.01852 (07120324)	0.01938 (07120324)	0.02042 (07120324)
3758938.3	0.01967 (07120324)	0.02036 (07120324)	0.02102 (07120324)	0.02187 (07120324)	0.02307 (07120324)
3757938.3	0.02107 (07120324)	0.02222 (07120324)	0.02350 (07120324)	0.02489 (07120324)	0.02710 (07120324)
3756938.3	0.02161 (07120324)	0.02298 (07120324)	0.02406 (07120324)	0.02609 (07120324)	0.02916 (07120324)
3755938.3	0.02046 (07120324)	0.02209 (07120324)	0.02421 (07120324)	0.02522 (07120324)	0.02931 (07120324)
3754938.3	0.01859 (07120324)	0.02004 (07120324)	0.02185 (07120324)	0.02383 (07120324)	0.02600 (07120324)
3753938.3	0.01708 (07012424)	0.01840 (07012424)	0.02035 (07012424)	0.02205 (07012424)	0.02366 (07012424)
3752938.3	0.01752 (07012424)	0.01919 (07012424)	0.02084 (05021124)	0.02291 (05021124)	0.02549 (05021124)
3751938.3	0.01748 (07012424)	0.01896 (05021124)	0.02066 (05021124)	0.02242 (05021124)	0.02671 (05021124)
3750938.3	0.01805 (05031924)	0.02021 (05031924)	0.02174 (05031924)	0.02327 (05031924)	0.02904 (07033124)
3749938.3	0.01992 (05031924)	0.02135 (05031924)	0.02274 (05031924)	0.02522 (05031924)	0.03102 (05031924)
3748938.3	0.01954 (05031924)	0.02119 (05031924)	0.02535 (05031924)	0.02503 (05031924)	0.02486 (05031924)
3747938.3	0.01975 (05031924)	0.01868 (05031924)	0.01837 (07012424)	0.01773 (07012424)	0.02178 (05110924)
3746938.3	0.01902 (05110924)	0.02125 (05110924)	0.02342 (05110924)	0.02596 (05110924)	0.03822 (05110924)
3745938.3	0.02139 (05110924)	0.02355 (05110924)	0.02780 (05110924)	0.03628 (05110924)	0.04091 (05110924)
3744938.3	0.02283 (05110924)	0.03650 (05110924)	0.03218 (05110924)	0.03396 (05110924)	0.03046 (05110924)
3743938.3	0.02138 (05110924)	0.02160 (05110924)	0.02123 (05110924)	0.02266 (05120824)	0.02564 (05120824)
3742938.3	0.02313 (05110924)	0.02051 (05120824)	0.02797 (05120824)	0.02849 (05120824)	0.02911 (05120824)
3741938.3	0.02726 (05120824)	0.02349 (05120824)	0.01730 (05120824)	0.02101 (05121124)	0.01874 (05121124)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114038 , L0114039 , L0114040 , L0114041 ,
L0114042 , L0114043 , L0114044 , L0114045 , L0114046 , L0114047 , L0114048 , L0114049 ,
L0114050 , L0114051 , L0114052 , L0114053 , L0112020 , L0112021 , L0112022 , L0112023 ,
L0112024 , L0112025 , L0112026 , L0112027 , L0112028 , L0112029 , L0112030 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 471553.03	472553.03	473553.03	474553.03	475553.03
3767938.3	0.01619 (05121924)	0.01745 (05121924)	0.01836 (05121924)	0.01878 (05121924)	0.01853 (05121924)
3766938.3	0.01736 (07110224)	0.01814 (05121924)	0.01935 (05121924)	0.02121 (05121924)	0.02200 (05121924)
3765938.3	0.01940 (07110224)	0.02087 (07110224)	0.01999 (05121924)	0.02245 (05121924)	0.02474 (05121924)
3764938.3	0.02062 (07110224)	0.02559 (07110224)	0.02319 (07110224)	0.02264 (05121924)	0.02605 (05121924)
3763938.3	0.02143 (07110224)	0.02411 (07110224)	0.02903 (07110224)	0.02509 (07110224)	0.02597 (05121924)
3762938.3	0.02168 (07110224)	0.02375 (07110224)	0.02583 (07110224)	0.03155 (07110224)	0.03946 (07110224)
3761938.3	0.02579 (07042124)	0.03254 (07110224)	0.02711 (07110224)	0.03700 (07110224)	0.02392 (07110224)
3760938.3	0.02084 (07120324)	0.03230 (07042124)	0.03051 (07042124)	0.03805 (07110224)	0.04223 (07110224)
3759938.3	0.02163 (07120324)	0.03023 (05113024)	0.02380 (05113024)	0.04056 (05120724)	0.03790 (07111124)
3758938.3	0.02481 (07120324)	0.03510 (07122824)	0.03060 (07122824)	0.04115 (07122824)	0.04919 (05113024)
3757938.3	0.02909 (07120324)	0.03408 (07122824)	0.02765 (07122824)	0.03313 (07122824)	0.05829 (07122824)
3756938.3	0.03268 (07120324)	0.03499 (07120324)	0.04208 (05121924)	0.03361 (07120324)	0.05201 (05121924)
3755938.3	0.03292 (07120324)	0.03464 (07120324)	0.04000 (07120324)	0.05694 (07120324)	0.06259 (07120324)
3754938.3	0.02834 (07120324)	0.03091 (07120324)	0.03422 (07120324)	0.03847 (07120324)	0.04746 (07120324)
3753938.3	0.02470 (07012424)	0.02716 (07012424)	0.02982 (07012424)	0.03295 (07012424)	0.03714 (07012424)
3752938.3	0.02736 (05021124)	0.02907 (05021124)	0.03195 (05021124)	0.03581 (05021124)	0.04044 (05021124)
3751938.3	0.03900 (06022724)	0.03170 (05021124)	0.03189 (05021124)	0.03519 (05021124)	0.03925 (05021124)
3750938.3	0.03060 (05021024)	0.03158 (05021024)	0.03010 (05031924)	0.03241 (05021124)	0.03532 (05021124)
3749938.3	0.03229 (05031924)	0.03314 (05031924)	0.02655 (05021124)	0.02963 (05110924)	0.03558 (05110924)
3748938.3	0.02341 (05031924)	0.02335 (07012424)	0.02869 (05110924)	0.03617 (05110924)	0.04030 (05110924)
3747938.3	0.02893 (05110924)	0.03716 (05110924)	0.04496 (05110924)	0.03659 (05110924)	0.03752 (05110924)
3746938.3	0.04013 (05110924)	0.04422 (05110924)	0.04739 (05110924)	0.04510 (05110924)	0.03416 (05120824)
3745938.3	0.03906 (05110924)	0.03648 (05110924)	0.03676 (05120824)	0.04172 (05120824)	0.03090 (05120824)
3744938.3	0.02810 (05120824)	0.03280 (05120824)	0.03583 (05120824)	0.03226 (05120824)	0.02592m(05012424)
3743938.3	0.02929 (05120824)	0.02952 (05120824)	0.02742 (05120824)	0.02495 (06031924)	0.02415m(05012424)
3742938.3	0.02464 (05120824)	0.02299 (06031924)	0.02310 (06031924)	0.02478 (05040224)	0.02173m(05012424)
3741938.3	0.02284 (05040224)	0.02473 (05040224)	0.02471 (05040224)	0.02353 (06111824)	0.02966 (06011824)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114038 , L0114039 , L0114040 , L0114041 ,
L0114042 , L0114043 , L0114044 , L0114045 , L0114046 , L0114047 , L0114048 , L0114049 ,
L0114050 , L0114051 , L0114052 , L0114053 , L0112020 , L0112021 , L0112022 , L0112023 ,
L0112024 , L0112025 , L0112026 , L0112027 , L0112028 , L0112029 , L0112030 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 476553.03	477553.03	478553.03	479553.03	480553.03
3767938.3	0.01720 (05121924)	0.01711 (06120724)	0.02034 (06030324)	0.02301 (06030324)	0.02741 (05020424)
3766938.3	0.02075 (05121924)	0.01899 (05121924)	0.01973 (06030324)	0.02363 (06030324)	0.02816 (05020424)
3765938.3	0.02558 (05121924)	0.02424 (05121924)	0.02191 (06120724)	0.02454 (06030324)	0.02746 (06030324)
3764938.3	0.02860 (05121924)	0.03367 (05121924)	0.02977 (05121924)	0.02425 (06120724)	0.02929 (06030324)
3763938.3	0.02790 (05121924)	0.03498 (07112624)	0.03104 (07102524)	0.03966 (07030624)	0.02864 (06012124)
3762938.3	0.03030 (05121924)	0.03163 (07020424)	0.03933 (07112624)	0.03346 (07102524)	0.03953 (07030624)
3761938.3	0.03135 (07110224)	0.04335 (07110224)	0.04589 (07020424)	0.04143 (07112624)	0.03201 (07102524)

3760938.3	0.02982 (07110224)	0.02856 (07110224)	0.04587 (07110224)	0.04399 (07110224)	0.03554 (07112624)
3759938.3	0.04665 (07110224)	0.03724 (07110224)	0.05490 (07110224)	0.03847 (07110224)	0.03957 (07110224)
3758938.3	0.05105 (05120724)	0.04979 (05120724)	0.05506 (07110224)	0.04896 (07110224)	0.04753 (07110224)
3757938.3	0.04754 (05113024)	0.05880 (05113024)	0.06260 (05113024)	0.05519 (07121824)	0.05063 (07110224)
3756938.3	0.05978 (07122824)	0.06190 (07122824)	0.07916 (07122824)	0.08062 (07122824)	0.07672 (07121824)
3755938.3	0.05977 (07120324)	0.06302 (07120324)	0.06444 (07120324)	0.08538 (07122824)	0.10248 (07120324)
3754938.3	0.05565 (07120324)	0.06478 (07120324)	0.07515 (07120324)	0.09413 (07120324)	0.12450 (07120324)
3753938.3	0.04238 (07012424)	0.04846 (07012424)	0.05639 (07012424)	0.06660 (07012424)	0.08204 (07120324)
3752938.3	0.04604 (05021124)	0.05292 (05021124)	0.06204 (05021124)	0.07210 (05021124)	0.08716 (05021124)
3751938.3	0.04410 (05021124)	0.04988 (05021124)	0.05693 (05021124)	0.06470 (05021124)	0.07334 (05021124)
3750938.3	0.03886 (05021124)	0.04226 (05021124)	0.05102 (05110924)	0.06163 (05110924)	0.07252 (05110924)
3749938.3	0.04201 (05110924)	0.04897 (05110924)	0.05521 (05110924)	0.05983 (05110924)	0.06136 (05120824)
3748938.3	0.04381 (05110924)	0.04613 (05110924)	0.04652 (05120824)	0.05151 (05120824)	0.05407 (05120824)
3747938.3	0.03735 (05120824)	0.04090 (05120824)	0.04297 (05120824)	0.04292m(05012424)	0.04679m(05012424)
3746938.3	0.03549 (05120824)	0.03582 (05120824)	0.03599m(05012424)	0.03791m(05012424)	0.03890 (06011824)
3745938.3	0.02995 (05120824)	0.03082m(05012424)	0.03175m(05012424)	0.03300 (06011824)	0.03680 (06011824)
3744938.3	0.02692m(05012424)	0.02724m(05012424)	0.02890 (06011824)	0.03202 (06011824)	0.03298 (06011824)
3743938.3	0.02399m(05012424)	0.02587 (06011824)	0.02851 (06011824)	0.02935 (06011824)	0.03228 (05011824)
3742938.3	0.02376 (06011824)	0.02571 (06011824)	0.02659 (06011824)	0.02687 (05011824)	0.03187 (05011824)
3741938.3	0.02568 (06011824)	0.02450 (06011824)	0.02373 (06011824)	0.02769 (05011824)	0.03047 (05011824)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114038 , L0114039 , L0114040 , L0114041 ,
L0114042 , L0114043 , L0114044 , L0114045 , L0114046 , L0114047 , L0114048 , L0114049 ,
L0114050 , L0114051 , L0114052 , L0114053 , L0112020 , L0112021 , L0112022 , L0112023 ,
L0112024 , L0112025 , L0112026 , L0112027 , L0112028 , L0112029 , L0112030 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 481553.03	482553.03	483553.03	484553.03	485553.03
3767938.3	0.03117 (05020424)	0.03174 (05020424)	0.02866 (05020424)	0.02930 (06020924)	0.02867 (06020924)
3766938.3	0.03324 (05020424)	0.03567 (05020424)	0.03370 (05020424)	0.03210 (06020924)	0.03492 (06020924)
3765938.3	0.03552 (05020424)	0.03988 (05020424)	0.04016 (05020424)	0.03966 (06020924)	0.04058 (06020924)
3764938.3	0.03427 (05020424)	0.04262 (05020424)	0.04830 (05020424)	0.04498 (07110324)	0.04312 (06020924)
3763938.3	0.03537 (06030324)	0.04455 (05020424)	0.04944 (05020424)	0.05040 (05020424)	0.04559 (06020924)
3762938.3	0.03788 (06030324)	0.04939 (05020424)	0.05968 (05020424)	0.05535 (05020424)	0.07088 (06020924)
3761938.3	0.04708 (07030624)	0.04803 (06030324)	0.06856 (05020424)	0.06774 (05020424)	0.06965 (06020924)
3760938.3	0.03429 (05121924)	0.04265 (07102524)	0.04574 (06030324)	0.06781 (07110324)	0.07351 (06020924)
3759938.3	0.03966 (07112624)	0.03920 (05121924)	0.04353 (07102524)	0.05525 (05020424)	0.07781 (05020424)
3758938.3	0.05217 (07110224)	0.04788 (07112624)	0.04805 (07112624)	0.06624 (07102524)	0.07950 (05020424)
3757938.3	0.06888 (07110224)	0.08175 (07110224)	0.06923 (07102524)	0.07687 (05030424)	0.08730 (07110324)
3756938.3	0.08288 (07121824)	0.08964 (07121824)	0.14870 (07110224)	0.12334 (07110224)	0.11967 (07110324)
3755938.3	0.11855 (07122824)	0.14199 (07122824)	0.16544 (07121824)	0.21307 (07110224)	0.27913 (07110224)
3754938.3	0.13097 (07120324)	0.17477 (07120324)	0.23608 (07120324)	0.35379 (07120324)	0.70422 (07122824)
3753938.3	0.11956 (06123124)	0.15977 (06123124)	0.18626 (07120324)	0.30539 (07120324)	0.52521 (07120324)
3752938.3	0.10611 (05021124)	0.13153 (05021124)	0.16706 (05021124)	0.23189 (05021124)	0.38427 (05021124)
3751938.3	0.08297 (05021124)	0.09972 (05110924)	0.12250 (05121124)	0.15407 (07011224)	0.21631 (05020124)
3750938.3	0.08064 (05110924)	0.08685 (05120824)	0.10425m(05012424)	0.12710m(05012424)	0.08698 (06011724)
3749938.3	0.07176 (05120824)	0.08646m(05012424)	0.09126m(05012424)	0.09113 (06101824)	0.09097 (07102624)
3748938.3	0.06851m(05012424)	0.04776 (06011824)	0.08225 (05011824)	0.08941 (06022624)	0.10044 (06022624)
3747938.3	0.04906 (06011824)	0.05056 (06011824)	0.06515 (05011824)	0.07712 (06101824)	0.07908 (06011724)
3746938.3	0.04474 (06011824)	0.05041 (05011824)	0.05921 (06101824)	0.06404 (06101824)	0.06880 (06011724)
3745938.3	0.03890 (05011824)	0.04717 (05011824)	0.05439 (06101824)	0.05653 (06011724)	0.07453m(05041224)
3744938.3	0.03867 (05011824)	0.04438 (06101824)	0.04874 (06101824)	0.05208 (06011724)	0.05471 (07102624)
3743938.3	0.03670 (05011824)	0.04152 (06101824)	0.04686 (06101824)	0.03394 (06011724)	0.04608 (06011724)
3742938.3	0.03522 (06101824)	0.03827 (06101824)	0.04009 (06011724)	0.04287 (06011724)	0.03975 (06011724)
3741938.3	0.03336 (06101824)	0.03437 (06101824)	0.03783 (06011724)	0.03862 (06011724)	0.03626m(05041224)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114038 , L0114039 , L0114040 , L0114041 ,
L0114042 , L0114043 , L0114044 , L0114045 , L0114046 , L0114047 , L0114048 , L0114049 ,
L0114050 , L0114051 , L0114052 , L0114053 , L0112020 , L0112021 , L0112022 , L0112023 ,
L0112024 , L0112025 , L0112026 , L0112027 , L0112028 , L0112029 , L0112030 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 486553.03	487553.03	488553.03	489553.03	490553.03
3767938.3	0.02743 (06112624)	0.03232 (06112624)	0.03076 (06102824)	0.03146 (05122024)	0.02354 (07110524)
3766938.3	0.03283 (06112624)	0.03996 (06112624)	0.02684 (06102824)	0.02744 (06091124)	0.02264m(07091024)
3765938.3	0.03511 (06112624)	0.03973 (06112624)	0.02710 (05030624)	0.02820 (06091124)	0.03106 (05102324)
3764938.3	0.03338 (06112624)	0.03885 (06112624)	0.03020 (05122024)	0.03450 (07110524)	0.03289 (06012624)
3763938.3	0.02917 (06112624)	0.03718 (06112624)	0.03266 (05122024)	0.03866 (07110524)	0.03679 (06091724)
3762938.3	0.04231 (06102824)	0.04888 (06112624)	0.05642 (05122024)	0.04851m(05030324)	0.03858 (06091724)
3761938.3	0.05511 (06021324)	0.05491 (06112624)	0.04378 (05122024)	0.04024 (07090124)	0.03182 (06091124)
3760938.3	0.06895 (06102824)	0.07077 (06102824)	0.05722 (06102824)	0.04257 (07090124)	0.03843 (06091124)
3759938.3	0.10023 (06021324)	0.07918 (06102824)	0.08804 (06102824)	0.06436 (06102824)	0.06709 (06100924)
3758938.3	0.07436 (06122424)	0.07456 (06102824)	0.05993 (07090124)	0.05910 (06021324)	0.07141 (06112724)
3757938.3	0.10962 (06020924)	0.08464 (05122024)	0.06787 (06102824)	0.07370 (06100924)	0.05654 (05102224)
3756938.3	0.14976 (05010424)	0.15815 (06021324)	0.10364 (06112724)	0.08265 (07110724)	0.07680 (06112724)
3755938.3	0.34733 (07110324)	0.27656 (06112724)	0.18269 (06112724)	0.13671 (06112724)	0.10609 (07082824)
3754938.3	0.90108 (07120324)	0.90929 (07122024)	0.83013 (05091024)	0.30487 (05091024)	0.19384 (05102324)
3753938.3	0.64417m(05012424)	0.70545 (07120624)	0.65642 (07110824)	1.05388 (05102224)	0.35228 (05102724)
3752938.3	0.57377 (06120624)	0.75499 (07010424)	2.75018 (05030224)	0.98748 (05121824)	0.95166 (06033124)
3751938.3	0.18811 (06011724)	0.35599 (07031524)	0.36057 (05111324)	0.35715 (07102624)	0.38653 (05030224)
3750938.3	0.14564 (07102624)	0.21047 (07111824)	0.21409 (07031624)	0.21382 (07031624)	0.20317 (07010424)
3749938.3	0.18429 (07102624)	0.14802 (07111824)	0.15133 (07031624)	0.15834 (07031624)	0.14909 (07111824)

3748938.3	0.10516 (07102624)	0.12430 (06031224)	0.11871 (07111824)	0.12166 (07031624)	0.11652 (06091024)
3747938.3	0.09076m(05041224)	0.09074 (07102624)	0.09717 (07111824)	0.09505 (07031624)	0.09630 (06112224)
3746938.3	0.07778 (05011224)	0.07590m(05041224)	0.07858 (07111824)	0.07988 (07111824)	0.08116 (06112224)
3745938.3	0.05780m(05041224)	0.06246m(05041224)	0.06384 (07111824)	0.06543 (07111824)	0.07060 (07031524)
3744938.3	0.05445m(05041224)	0.05362m(05041224)	0.05298 (07111824)	0.05670 (07111824)	0.06101 (07031524)
3743938.3	0.04700m(05041224)	0.04682m(05041224)	0.04659 (05032624)	0.04947 (07111824)	0.05273 (07031524)
3742938.3	0.04190m(05041224)	0.04111m(05041224)	0.04173 (05032624)	0.04385 (07111824)	0.04624 (07111824)
3741938.3	0.03771m(05041224)	0.03678m(05041224)	0.03755 (05032624)	0.03924 (05041424)	0.04423 (07111824)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114038 , L0114039 , L0114040 , L0114041 ,
L0114042 , L0114043 , L0114044 , L0114045 , L0114046 , L0114047 , L0114048 , L0114049 ,
L0114050 , L0114051 , L0114052 , L0114053 , L0112020 , L0112021 , L0112022 , L0112023 ,
L0112024 , L0112025 , L0112026 , L0112027 , L0112028 , L0112029 , L0112030 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 491553.03	492553.03	493553.03	494553.03	495553.03
3767938.3	0.01994 (06012624)	0.01527 (06091724)	0.01271 (07081924)	0.01575 (07092424)	0.01496 (07092424)
3766938.3	0.02055 (06012624)	0.01693 (06091724)	0.01766 (07092424)	0.01936 (07092424)	0.01887 (06100924)
3765938.3	0.02292 (06112724)	0.02026 (07081924)	0.02073 (07092424)	0.02319 (06100924)	0.02054 (06100924)
3764938.3	0.02456 (05021424)	0.02583 (07092424)	0.02351 (06100924)	0.02461 (06100924)	0.02058 (06100924)
3763938.3	0.02798 (07081924)	0.02606 (05020924)	0.03460 (06100924)	0.02592 (06100924)	0.02071 (07101124)
3762938.3	0.03229 (07092424)	0.03148 (06100924)	0.03530 (06100924)	0.02339 (07101124)	0.02071 (05110424)
3761938.3	0.03433 (06100924)	0.03764 (06100924)	0.02669 (06100924)	0.02330 (06100924)	0.02328 (07110724)
3760938.3	0.04230 (06100924)	0.04443 (06100924)	0.03042 (05110424)	0.02988 (07110724)	0.02620 (07110724)
3759938.3	0.04537 (05103124)	0.03819 (07110724)	0.03845 (07110724)	0.03000 (07110724)	0.02863 (06100124)
3758938.3	0.05661 (05110424)	0.05447 (07110724)	0.03909 (06100124)	0.03575 (07122024)	0.03448 (07122024)
3757938.3	0.05298 (07110724)	0.04611 (06112724)	0.05174 (07082824)	0.04545 (07122024)	0.04126 (07122024)
3756938.3	0.07371 (06112724)	0.06216 (07082824)	0.06164 (07122024)	0.05686 (07122024)	0.04228 (07122024)
3755938.3	0.08311 (07122024)	0.07827 (07122024)	0.05802 (07082824)	0.05713 (07082824)	0.05311 (07122024)
3754938.3	0.11945 (07122024)	0.09550 (05032324)	0.08342 (05032324)	0.06483 (05091024)	0.05720 (05091024)
3753938.3	0.17759 (05091024)	0.16548 (05091024)	0.12573 (05091024)	0.11912 (05091024)	0.08779 (05091024)
3752938.3	0.49621 (06033124)	0.38028 (05091024)	0.19372 (05091024)	0.15088 (05091024)	0.11387 (05091024)
3751938.3	0.39367 (05030224)	0.29603 (07080124)	0.24791 (07031824)	0.18115 (06050324)	0.11155 (06050324)
3750938.3	0.19879 (05030224)	0.19034 (05030224)	0.21473 (07080124)	0.18452 (07080124)	0.14458 (07031824)
3749938.3	0.13744 (06091024)	0.12726 (06072124)	0.11997 (05030224)	0.12361 (07080124)	0.10449 (07080124)
3748938.3	0.11793 (06091024)	0.10299 (06072124)	0.09162 (07070724)	0.08123 (07041124)	0.09513 (06112324)
3747938.3	0.10198 (06091024)	0.08994 (06091024)	0.08006 (06072124)	0.07266 (07070724)	0.06374 (07041124)
3746938.3	0.08659 (06091024)	0.08459 (06091024)	0.06663 (06072124)	0.06422 (06072124)	0.06007 (07070724)
3745938.3	0.07273 (06091024)	0.07670 (06091024)	0.06707 (06091024)	0.05620 (05071124)	0.05331 (07070724)
3744938.3	0.06278 (07031524)	0.06732 (06091024)	0.06477 (06091024)	0.05183 (06091024)	0.04887 (05071124)
3743938.3	0.05689 (07031524)	0.05924 (06091024)	0.06109 (06091024)	0.05302 (06091024)	0.04183 (05071124)
3742938.3	0.05192 (07031524)	0.06303 (06091024)	0.04074 (06091024)	0.04442 (06091024)	0.04314 (06091024)
3741938.3	0.06592 (07031524)	0.05150 (07031524)	0.04008 (06091024)	0.03570 (06091024)	0.05563 (06091024)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
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**MODELOPTS: NonDFAULT CONC ELEV
FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114038 , L0114039 , L0114040 , L0114041 ,
L0114042 , L0114043 , L0114044 , L0114045 , L0114046 , L0114047 , L0114048 , L0114049 ,
L0114050 , L0114051 , L0114052 , L0114053 , L0112020 , L0112021 , L0112022 , L0112023 ,
L0112024 , L0112025 , L0112026 , L0112027 , L0112028 , L0112029 , L0112030 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 496553.03	497553.03	498553.03	499553.03	500553.03
3767938.3	0.01632 (06100924)	0.01672 (06100924)	0.01286 (06100924)	0.01007 (07051524)	0.00922 (05102224)
3766938.3	0.01772 (06100924)	0.01664 (06100924)	0.01344 (07101124)	0.01055 (05050224)	0.01057 (05050224)
3765938.3	0.01840 (06100924)	0.01728 (07101124)	0.01249 (05050224)	0.01009 (05110424)	0.01134 (07040724)
3764938.3	0.01891 (07101124)	0.01577 (07101124)	0.01471 (07072024)	0.01345 (07040724)	0.01234 (07040724)
3763938.3	0.01828 (07101124)	0.01789 (07072024)	0.01926 (07110724)	0.01714 (07110724)	0.01517 (06100124)
3762938.3	0.02005 (07072024)	0.02125 (07110724)	0.01945 (07110724)	0.01882 (06100124)	0.01554 (07022624)
3761938.3	0.02363 (07110724)	0.02102 (07021224)	0.02193 (06100124)	0.01648 (07022624)	0.01446 (05040824)
3760938.3	0.02532 (06100124)	0.02314 (06100124)	0.02072 (07022224)	0.02110 (07022224)	0.02093 (07022224)
3759938.3	0.02581 (07122024)	0.02547 (07022224)	0.02391 (07022624)	0.02454 (07022624)	0.02330 (07082824)
3758938.3	0.03312 (07122024)	0.02990 (07082824)	0.02894 (07082824)	0.02643 (07082824)	0.02518 (07122024)
3757938.3	0.03630 (07122024)	0.03364 (07122024)	0.03061 (07122024)	0.02558 (07122024)	0.02214 (05081424)
3756938.3	0.03898 (07082824)	0.03422 (07082824)	0.03057 (05032324)	0.02865 (05032324)	0.02521 (05032324)
3755938.3	0.04381 (05032324)	0.03675 (05032324)	0.02949 (05032324)	0.02684 (06050224)	0.02756 (06050224)
3754938.3	0.05431 (05091024)	0.04957 (05091024)	0.04442 (05091024)	0.03807 (05091024)	0.03329 (07071224)
3753938.3	0.06700 (05081524)	0.05697 (05091024)	0.05139 (05091024)	0.04726 (05091024)	0.04340 (05091024)
3752938.3	0.08451 (05091024)	0.07401 (05091024)	0.06296 (05091024)	0.05452 (05091024)	0.04687 (05091024)
3751938.3	0.07154 (06033124)	0.06737 (05102724)	0.06167 (05102724)	0.05269 (05102724)	0.04393 (05102724)
3750938.3	0.09915 (07031824)	0.08128 (07031824)	0.06210 (06050324)	0.05014 (06050324)	0.03885 (06050324)
3749938.3	0.10048 (07080124)	0.11891 (05080524)	0.08739 (05080524)	0.06033 (07031824)	0.05076 (07060124)
3748938.3	0.06905 (06112324)	0.09656 (07080124)	0.09792 (07080124)	0.07483 (05080524)	0.06400 (05080524)
3747938.3	0.08059 (05062624)	0.07048 (06112324)	0.09250 (07080124)	0.07378 (07080124)	0.06317 (07080124)
3746938.3	0.05276 (05062624)	0.04848 (05030224)	0.06169 (06112324)	0.05019 (05022524)	0.05245 (07080124)
3745938.3	0.05100 (07070724)	0.04463 (05062624)	0.04191 (05062624)	0.05261 (05030224)	0.05650 (05022524)
3744938.3	0.04628 (07070724)	0.04372 (07070724)	0.03818 (05062624)	0.03606 (05062624)	0.03538 (06112324)
3743938.3	0.04263 (05071124)	0.04063 (07070724)	0.03813 (07070724)	0.03343 (05062624)	0.03213 (05062624)
3742938.3	0.03814 (05071124)	0.03743 (05071124)	0.03612 (07070724)	0.03388 (07070724)	0.02992 (05062624)
3741938.3	0.03521 (06091024)	0.03447 (05071124)	0.03320 (05071124)	0.03245 (07070724)	0.03055 (07070724)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
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**MODELOPTS: NonDFAULT CONC ELEV

FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114038 , L0114039 , L0114040 , L0114041 ,
L0114042 , L0114043 , L0114044 , L0114045 , L0114046 , L0114047 , L0114048 , L0114049 ,
L0114050 , L0114051 , L0114052 , L0114053 , L0112020 , L0112021 , L0112022 , L0112023 ,
L0112024 , L0112025 , L0112026 , L0112027 , L0112028 , L0112029 , L0112030 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 501553.03	502553.03	503553.03	504553.03	505553.03
3767938.3	0.00874 (05110424)	0.00714 (07040724)	0.00428 (07040724)	0.00343 (05012624)	0.00323 (05012624)
3766938.3	0.00961 (07040724)	0.00365 (05012624)	0.00354 (05012624)	0.00327 (05012624)	0.00362 (05011124)
3765938.3	0.00967 (07040724)	0.00399 (07022724)	0.00397 (05011124)	0.00428 (05011124)	0.00505 (05011124)
3764938.3	0.00909 (06071924)	0.00713 (05011124)	0.00719 (05011124)	0.00694 (06121024)	0.00524 (05011124)
3763938.3	0.01430 (07022624)	0.01022 (06100124)	0.01009 (06121024)	0.01183 (05040824)	0.00899 (05040824)
3762938.3	0.01463 (07022224)	0.01512 (07022224)	0.01401 (05040824)	0.01334 (05040824)	0.01184 (05040824)
3761938.3	0.01787 (07022224)	0.01501 (05040824)	0.01478 (05040824)	0.01439 (05040824)	0.01254 (05040824)
3760938.3	0.01788 (07022224)	0.01759 (06103024)	0.01528 (07082824)	0.01446 (05032324)	0.01403 (05032324)
3759938.3	0.02165 (07082824)	0.01922 (07122024)	0.01708 (07122024)	0.01597 (06041424)	0.01335 (06031124)
3758938.3	0.02232 (07122024)	0.01900 (07122024)	0.01838 (05081424)	0.01648 (05081424)	0.01548 (05032324)
3757938.3	0.02104 (05032324)	0.02050 (05032324)	0.01875 (05032324)	0.01621 (07071224)	0.01688 (07071224)
3756938.3	0.02369 (07071224)	0.02270 (07071224)	0.02083 (07071224)	0.01861 (07071224)	0.01815 (07043024)
3755938.3	0.02694 (06050224)	0.02499 (06050224)	0.02191 (06050224)	0.01991 (07041224)	0.01871 (07071224)
3754938.3	0.02868 (07071224)	0.02441 (05091024)	0.02189 (05091024)	0.02051 (05091024)	0.01980 (05091024)
3753938.3	0.04007 (05091024)	0.03704 (05091024)	0.03438 (05091024)	0.03192 (05091024)	0.02970 (05091024)
3752938.3	0.04083 (05091024)	0.03555 (05091024)	0.03161 (05091024)	0.02876 (07051724)	0.02722 (07051724)
3751938.3	0.03729 (05040424)	0.03504 (05040424)	0.03294 (05040424)	0.03072 (05040424)	0.02830 (05040424)
3750938.3	0.03728 (05081824)	0.03546 (05081824)	0.03471 (07043024)	0.03319 (07043024)	0.03022 (07043024)
3749938.3	0.04212 (07060124)	0.03637 (06050324)	0.03286 (06050324)	0.02871 (06050324)	0.02576 (05081824)
3748938.3	0.04501 (07031824)	0.04508 (07060124)	0.04017 (07060124)	0.03643 (07060124)	0.03085 (06050524)
3747938.3	0.05525 (05080524)	0.05317 (05080524)	0.05081 (05080524)	0.03890 (07060124)	0.04071 (07060124)
3746938.3	0.06277 (07080124)	0.04980 (07080124)	0.05126 (05080524)	0.06288 (05080524)	0.05618 (05080524)
3745938.3	0.06014 (05022524)	0.06935 (07080124)	0.06151 (07080124)	0.04044 (05052924)	0.03353 (05080524)
3744938.3	0.03006 (06112324)	0.03534 (05022524)	0.03436 (05022524)	0.03589 (07080124)	0.03706 (07080124)
3743938.3	0.04003 (05062624)	0.02516 (06112324)	0.02505 (05022524)	0.03028 (05022524)	0.02729 (07080124)
3742938.3	0.02924 (05062624)	0.04147 (05062624)	0.02377 (07052424)	0.01969 (05051724)	0.02397 (05022524)
3741938.3	0.02705 (05062624)	0.02669 (05062624)	0.02519 (05062624)	0.02777 (07071324)	0.01899 (05030224)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
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**MODELOPTs: NonDEFAULT CONC ELEV

FASTALL

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PHASE1 , L0114038 , L0114039 , L0114040 , L0114041 ,
L0114042 , L0114043 , L0114044 , L0114045 , L0114046 , L0114047 , L0114048 , L0114049 ,
L0114050 , L0114051 , L0114052 , L0114053 , L0112020 , L0112021 , L0112022 , L0112023 ,
L0112024 , L0112025 , L0112026 , L0112027 , L0112028 , L0112029 , L0112030 , . . . ,

*** NETWORK ID: UCART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 484551.71	484651.71	484751.71	484851.71	484951.71
3754634.4	0.34528 (07120324)	0.36812 (07120324)	0.38691 (07120324)	0.41980 (07120324)	0.45144 (07120324)
3754534.4	0.32607 (07120324)	0.34736 (07120324)	0.36226 (07120324)	0.38873 (07120324)	0.42239 (07120324)
3754434.4	0.30681 (07120324)	0.32501 (07120324)	0.34476 (07120324)	0.36689 (07120324)	0.39425 (07120324)
3754334.4	0.29881 (07120324)	0.31409 (07120324)	0.33023 (07120324)	0.34987 (07120324)	0.37594 (07120324)
3754234.4	0.29898 (07120324)	0.30886 (07120324)	0.32533 (07120324)	0.34418 (07120324)	0.36666 (07120324)
3754134.4	0.29714 (07120324)	0.31612 (07120324)	0.32857 (07120324)	0.34599 (07120324)	0.36650 (07120324)
3754034.4	0.29901 (07120324)	0.32209 (07120324)	0.33454 (07120324)	0.34880 (07120324)	0.36640 (07120324)
3753934.4	0.30455 (07120324)	0.32432 (07120324)	0.33698 (07120324)	0.35161 (07120324)	0.36868 (07120324)
3753834.4	0.30938 (07120324)	0.32243 (07120324)	0.33564 (07120324)	0.35155 (07120324)	0.36927 (07120324)
3753734.4	0.30101 (07120324)	0.31535 (07120324)	0.32993 (07120324)	0.34700 (07120324)	0.36533 (07120324)
3753634.4	0.28694 (07120324)	0.30574 (06123124)	0.31083 (07120324)	0.33379 (07120324)	0.35409 (07120324)
3753534.4	0.27476 (06123124)	0.27672 (07120324)	0.29416 (07120324)	0.32796 (06123124)	0.34225 (06123124)
3753434.4	0.24618 (06123124)	0.26712 (06123124)	0.28762 (06123124)	0.30170 (06123124)	0.32504 (06123124)
3753334.4	0.24919 (05021124)	0.25955 (05021124)	0.26958 (05021124)	0.28231 (05021124)	0.29772 (05022224)
3753234.4	0.25008 (05021124)	0.25926 (05021124)	0.27150 (05021124)	0.28588 (05021124)	0.29863 (05021124)
3753134.4	0.25351 (05021124)	0.26200 (05021124)	0.26909 (05021124)	0.27959 (05021124)	0.29858 (05021124)
3753034.4	0.24580 (05021124)	0.25367 (05021124)	0.26770 (05021124)	0.27688 (05021124)	0.29264 (05021124)
3752934.4	0.23167 (05021124)	0.24145 (05021124)	0.25620 (05021124)	0.26376 (05021124)	0.28056 (05021124)
3752834.4	0.22720 (05021124)	0.23472 (05021124)	0.24593 (05021124)	0.25598 (05021124)	0.26696 (05021124)
3752734.4	0.21680 (05021124)	0.22656 (05021124)	0.23251 (05021124)	0.24193 (05021124)	0.25175 (05021124)
3752634.4	0.20899 (05021124)	0.21355 (05021124)	0.22428 (05021124)	0.23139 (05021124)	0.23800 (05021124)
3752534.4	0.19635 (05021124)	0.20172 (05021124)	0.20651 (05021124)	0.21692 (05021124)	0.22248 (05021124)
3752434.4	0.18442 (05021124)	0.19291 (05021124)	0.19691 (05021124)	0.20621 (05020324)	0.21532 (05020324)
3752334.4	0.17346 (05021124)	0.18209 (05020324)	0.19033 (05020324)	0.19865 (05020324)	0.20930 (05020324)
3752234.4	0.16804 (05020324)	0.17573 (05020324)	0.18553 (05020324)	0.19295 (05020324)	0.20191 (05020324)
3752134.4	0.16330 (05020324)	0.17144 (05020324)	0.17898 (05020324)	0.18720 (05020324)	0.19619 (05020324)
3752034.4	0.16025 (05020324)	0.16704 (05020324)	0.17183 (05020324)	0.17988 (05020324)	0.18936 (05020324)
3751934.4	0.15391 (07011224)	0.16008 (05020324)	0.16712 (05020324)	0.17339 (05020324)	0.18060 (05020324)
3751834.4	0.15139 (07011224)	0.15710 (07011224)	0.16245 (07011224)	0.16803 (07011224)	0.17373 (05020324)
3751734.4	0.14996 (07011224)	0.15424 (07011224)	0.15893 (07011224)	0.16389 (07011224)	0.16654 (07011224)
3751634.4	0.14578 (07011224)	0.15200 (07011224)	0.15585 (07011224)	0.16108 (07011224)	0.16797m(05012424)
3751534.4	0.14280m(05012424)	0.14964m(05012424)	0.15702 (07011224)	0.16036m(05012424)	0.16381m(05012424)
3751434.4	0.14518m(05012424)	0.14960m(05012424)	0.15247m(05012424)	0.15522m(05012424)	0.15798m(05012424)
3751334.4	0.14320m(05012424)	0.14627m(05012424)	0.14959m(05012424)	0.15098m(05012424)	0.15363m(05012424)
3751234.4	0.14057m(05012424)	0.14397m(05012424)	0.14637m(05012424)	0.14532m(05012424)	0.14066m(05012424)
3751134.4	0.13899m(05012424)	0.14263m(05012424)	0.14418m(05012424)	0.12602 (05011824)	0.13057 (05011824)
3751034.4	0.13789m(05012424)	0.13818m(05012424)	0.12483m(05012424)	0.11156 (05011824)	0.12046 (05011824)
3750934.4	0.12653m(05012424)	0.12613m(05012424)	0.10939 (05011824)	0.10284 (05011824)	0.10048 (05011824)

♀ *** AERMOD - VERSION 12060 *** *** WLC Project-Related Operations - 2022 *** 12/19/12
*** PM2.5 - LST Assessment (No Refrigeration) *** 13:11:20
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**MODELOPTs: NonDEFAULT CONC ELEV

FASTALL

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                    *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                        INCLUDING SOURCE(S):     PHASE1      , L0114038    , L0114039    , L0114040    , L0114041    ,
              L0114042    , L0114043    , L0114044    , L0114045    , L0114046    , L0114047    , L0114048    , L0114049    ,
              L0114050    , L0114051    , L0114052    , L0114053    , L0112020    , L0112021    , L0112022    , L0112023    ,
              L0112024    , L0112025    , L0112026    , L0112027    , L0112028    , L0112029    , L0112030    ,  . . .      ,

                         *** NETWORK ID: UCART3   ;  NETWORK TYPE: GRIDCART ***

                              ** CONC OF PM_2.5   IN MICROGRAMS/M**3                          **

 Y-COORD  |                                                X-COORD (METERS)
 (METERS) |      485051.71              485151.71              485251.71              485351.71              485451.71
- - - -
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                                                    LST_PM25_REV3_NR_REV1.ADO
                                INCLUDING SOURCE(S):     PHASE1      , L0114038    , L0114039    , L0114040    , L0114041    ,
                     L0114042    , L0114043    , L0114044    , L0114045    , L0114046    , L0114047    , L0114048    , L0114049    ,
                     L0114050    , L0114051    , L0114052    , L0114053    , L0112020    , L0112021    , L0112022    , L0112023    ,
                     L0112024    , L0112025    , L0112026    , L0112027    , L0112028    , L0112029    , L0112030    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                     ** CONC OF PM_2.5   IN MICROGRAMS/M**3                          **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        485619.40   3753969.72        0.50273  (07120324)               485712.99   3753961.92        0.50825  (07120324)
        487190.85   3754410.34        3.08836  (05030224)               487194.75   3754289.46        1.97918  (07111824)
        487268.83   3754090.60        1.26209  (07111824)               487483.30   3754102.29        0.86866  (05030224)
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                   *** PM2.5 - LST Assessment (No Refrigeration)                                ***        13:11:20
                                                                                                                           PAGE  80
 **MODELOPTs:  NonDFAULT CONC                                                  ELEV
                         FASTALL

                                   *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER   3 YEARS ***

                                    ** CONC OF PM_2.5   IN MICROGRAMS/M**3                          **

                                                                                                                  NETWORK
GROUP ID                        AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS       1.86736 AT (  487190.85,  3754410.34,   509.37,   776.00,    0.00)  DC
          2ND HIGHEST VALUE IS       1.59726 AT (  488553.03,  3752938.31,   476.00,   811.00,    0.00)  GC  UCART1
          3RD HIGHEST VALUE IS       1.23203 AT (  487194.75,  3754289.46,   507.16,   777.00,    0.00)  DC
          4TH HIGHEST VALUE IS       0.78878 AT (  487268.83,  3754090.60,   503.10,   777.00,    0.00)  DC
          5TH HIGHEST VALUE IS       0.54001 AT (  487483.30,  3754102.29,   501.97,   777.00,    0.00)  DC
          6TH HIGHEST VALUE IS       0.52689 AT (  489553.03,  3752938.31,   484.00,   777.00,    0.00)  GC  UCART1
          7TH HIGHEST VALUE IS       0.51860 AT (  490553.03,  3752938.31,   483.20,   575.00,    0.00)  GC  UCART1
          8TH HIGHEST VALUE IS       0.49832 AT (  487553.03,  3754938.31,   526.30,   528.00,    0.00)  GC  UCART1
          9TH HIGHEST VALUE IS       0.48297 AT (  489553.03,  3753938.31,   504.20,   569.00,    0.00)  GC  UCART1
         10TH HIGHEST VALUE IS       0.45426 AT (  487553.03,  3753938.31,   496.40,   777.00,    0.00)  GC  UCART1


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                   *** PM2.5 - LST Assessment (No Refrigeration)                                ***        13:11:20
                                                                                                                           PAGE  81
 **MODELOPTs:  NonDFAULT CONC                                                  ELEV
                         FASTALL

                                          *** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

                                    ** CONC OF PM_2.5   IN MICROGRAMS/M**3                          **

                                                                                                                                NETWORK
GROUP ID                        AVERAGE CONC     DATE                  RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
                                                 (YYMMDDHH)
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS       3.08836  ON 05030224: AT (  487190.85,  3754410.34,   509.37,   776.00,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
♀ *** AERMOD - VERSION  12060 ***   *** WLC Project-Related Operations - 2022                                  ***        12/19/12
                                   *** PM2.5 - LST Assessment (No Refrigeration)                                ***        13:11:20
                                                                                                                           PAGE  82
 **MODELOPTs:  NonDFAULT CONC                                                  ELEV
                         FASTALL

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of           0 Fatal Error Message(s)
 A Total of           1 Warning Message(s)
 A Total of         117 Informational Message(s)

 A Total of       26280 Hours Were Processed

 A Total of           0 Calm Hours Identified

 A Total of         117 Missing Hours Identified (  0.45 Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W530    2516 MEOPEN:CAUTION! Met Station ID Mismatch with SURFFILE for     SURFDATA

    ************************************
    *** AERMOD Finishes Successfully ***
    ************************************
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