R M Environmental, Inc.

Geology - Environmental - Geotechnical Engineering

January 28, 2004
Project No. 03-415-ust

Mr. Roy Bryant
County of Riverside Health Services Agency-
Department of Environmental Health
4065 County Circle Drive, Rm 123
Riverside, CA., 92503

SUBJECT: Report of Removal of Abandoned 13,400± gallon Diesel Underground Storage Tank
Assessor Parcel Number (APN) 477-120-001
Near the Intersection of Pettit Street and Highway 60
Moreno Valley, California

Reference: "Work Plan for Removal and Disposal of Abandoned 10,000-gallon Diesel Underground Storage Tank, APN 477-120-001, Near the Intersection of Pettit Street and Highway 60, Moreno Valley, California," prepared by R M Environmental, dated December 23, 2003.

Dear Mr. Bryant:

This report presents a summary of the removal and disposal of a concrete constructed 13,400± gallon diesel underground storage tank (UST) from the site. The UST was abandoned in-place approximately 50 years ago. The abandonment reportedly consisted of removal of free-liquids; removal of the UST top; then backfilling the interior of the UST with the on-site soils. The UST was observed to be approximately 18 feet in diameter by 7 feet in depth, and constructed of 1 to 2-inch thick concrete sidewalls and bottom, with no top.

A Site Location map is presented as Figure 1. The UST and soil sampling locations are shown on the Site Plan presented as Figure 2. Photographs of the UST are presented in Attachment A.

The scope of work for the UST removal and soil sampling presented herein included the following tasks:

a) Obtain tank removal permit from the County of Riverside Department of Environmental Health for UST removal. A copy of the UST removal permit is presented in Attachment B;

b) Removal and stockpiling of backfilled soil from UST interior;

c) Removal and disposal of the concrete constructed UST sidewalls and bottom;

d) Collection of soil samples and analysis; and

e) Preparation of this report.

Post Office Box 575 • Calimesa, California 92320 • Telephone (909) 446-0041 • Fax (909) 446-0124

1.0 DESCRIPTION OF TANK REMOVALS

The site is an existing citrus grove located southeast of the intersection of Pettit Street and Highway 60, Moreno Valley, California. The site is currently owned by Mr. David Lantz, 12145 Nason Street, Moreno Valley, California.

The following is a description of the UST removal presented in this report.

1) On January 5, 2004, the soils of the abandoned UST interior were removed and stockpiled on the site. A twelve inch diameter Eastern Municipal Water Company main waterline was identified within the north portion of the UST area. The waterline had been placed within the abandoned UST interior. The north portion of the UST was not removed;

2) On January 6, 2004, the concrete constructed UST sidewalls and bottom were removed and stockpiled on the site;

3) On January 7, 2004, soil samples were collected from the UST area at depths of 2 and 6 feet below the former UST bottom elevation under the direction of a representative of the Riverside County Environmental Health (RCEH). Soil samples of the stockpiled soil excavated from the UST interior were also collected to evaluate the suitability of these soils as backfill materials; and

4) On January 8, 2004, the concrete of the former UST was disposed at the Agua Manza Properties, Inc., facility located in Riverside, California; and the UST excavation was backfilled with the stockpiled soils derived from former UST interior.

2.0 SOIL SAMPLING AND LABORATORY ANALYSIS

Soil sampling was conducted on January 7, 2004, under the direction of a RDEH representative. Soil samples were collected in 8-ounce wide-mouth jars sealed with teflon lined screw lids. The samples were stored in an ice-filled chest and transported to Enviro-Chem, Inc., a state certified (California Department of Health Services Certification No. 1555) laboratory located in Pomona, California, for quantitative chemical analysis under chain-of-custody procedures.

Soil samples were obtained from the east and west sides of the former UST at depths of 2 and 6 feet below the bottom of tank elevation. Four additional soil samples were obtained from the stockpiled soils excavated from the former UST interior.

The soil samples obtained from the former UST area were analyzed for total petroluem hydrocarbons as gasoline, kerosene, diesel, and oil using LUFT/EPA Method 8015m, and BTEX and fuel oxygenates using EPA Method 8260B. The stockpiles soils of the former UST interior were analyzed for total petroleum hydrocarbons as diesel using LUFT/EPA Method 8015m, and BTEX and fuel oxygenates using EPA Method 8260B.

A summary of the soil analytical results is presented in Tables 1 and 2. The laboratory report and chain-of-custody documentation is presented in Attachment C.

3.0 SUMMARY AND CONCLUSIONS

Between January 5 and 8, 2004, a concrete constructed, 13,400± gallon diesel UST was removed from the site. The UST was abandoned in-place approximately 50 years age. The abandonment reportedly consisted of removal of free-liquids; removal of the UST top; then backfilling the interior of the UST with the on-site soils. Due to the installation of a 12-inch diameter, Eastern Municipal Water District waterline main in the north portion of the UST, the north portion of the UST was not removed. No indication of soil contamination were observed during the UST removal work.

Soil sampling was conducted on January 7, 2004, under the direction of a representative from the County of Riverside Department of Environmental Health-Hazardous Materials Management Division. The UST excavation was backfilled on January 8, 2004.

Laboratory results of the collected soil samples indicated a concentration of total petroleum hydrocarbons as oil (116 mg/Kg) in the soil sample collected at 2 feet below the former tank bottom in the east portion of the UST excavation. No other hydrocarbons, BTEX, or fuel oxygenates were detected. It is our opinion, the detected oil may have been derived from the inside sealing materials of the former concrete UST. No additional environmental investigation is recommended for the former UST location.

4.0 LIMITATIONS

REPORT USE

This report may be used only within a reasonable time from its issuance. Land use, site conditions (both on-site and off-site) or other factors may change over time, and additional work may be required with the passage of time.

This document is based on the following:

- Observation and sampling by R M Environmental personnel;
- Soil samples obtained on January 7, 2004; and
- Analytical results provided by Enviro-Chem, Inc., Certification No. 1555.

STANDARD OF CARE

Services performed by R M Environmental have been conducted in a manner consistent with the level and skill ordinarily exercised by members of our profession currently practicing in southern California. No other representations, expressed or implied, and no warranty or guarantee is included or intended in this report.

If you have any questions concerning this report or need additional information, please call us at (909)446-0041.

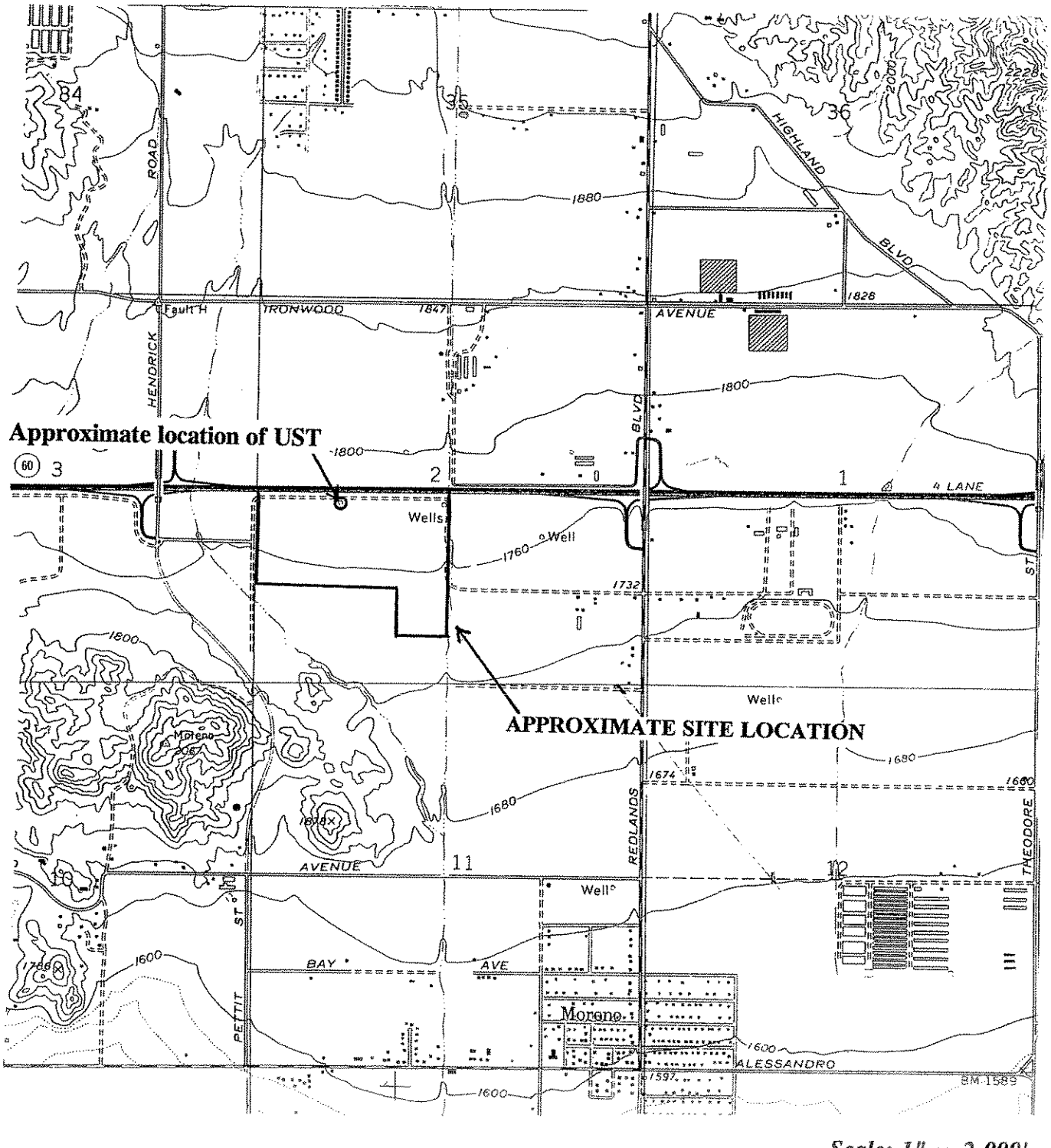
Sincerely,

Robert C. Manning

Robert C. Manning, CEG/RCE
President

ROBERT C. MANNING
No. CEG 1783
Expires: 12-31-05
STATE OF CALIFORNIA

R M ENVIRONMENTAL



Scale: 1" = 2,000'

Reference: *U.S.G.S., 1967, PR 1980, Sunnymead Quadrangle, 7.5 Minute Series*

SITE LOCATION MAP - 84± Acres, Near the Intersection of Pettit Street and Highway 60, Moreno Valley Area of Riverside County, California

PROJECT NO. 03-415	DATE: JANUARY 2004	FIGURE 1

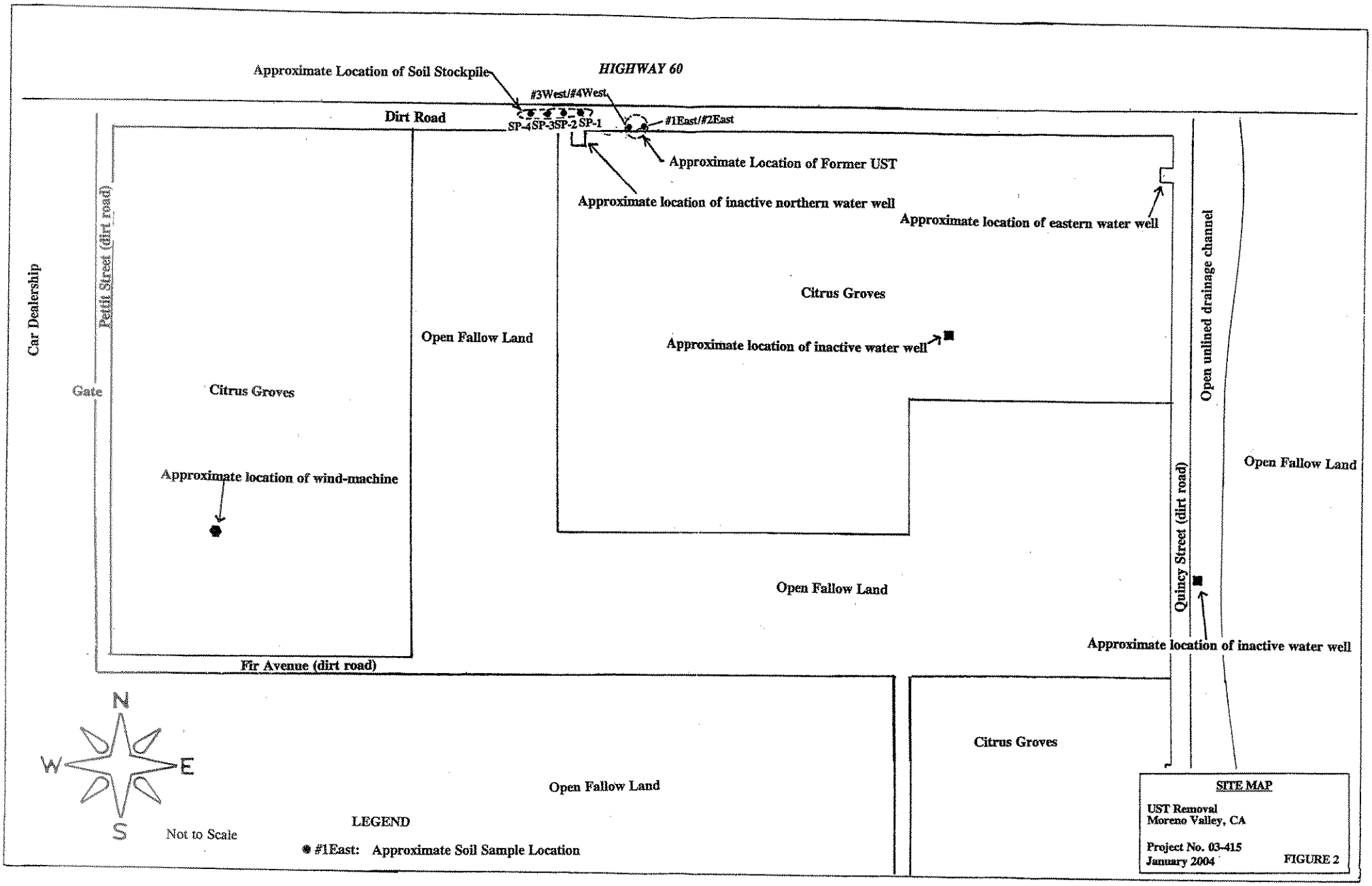

Approximate Location of Soil Stockpile
HIGHWAY 60
#3West/#4West
Dirt Road
SP-4
SP-3
SP-2
SP-1
#1East/#2East
Approximate Location of Former UST
Approximate location of inactive northern water well
Approximate location of eastern water well
Car Dealership
Petit Street (dirt road)
Open Fallow Land
Citrus Groves
Approximate location of inactive water well
Open unlined drainage channel
Gate
Citrus Groves
Open Fallow Land
Approximate location of wind-machine
Quincy Street (dirt road)
Open Fallow Land
Approximate location of inactive water well
Fir Avenue (dirt road)
N
W
E
S
Citrus Groves
Open Fallow Land
Not to Scale
LEGEND
#1East: Approximate Soil Sample Location
SITE MAP
UST Removal
Moreno Valley, CA
Project No. 03-415
January 2004
FIGURE 2

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
TOTAL PETROLEUM HYDROCARBONS - EPA METHOD 8015M
Moreno Valley - Citrus Groves USTs
Project No.03-415
January 2004

units = mg/kg (ppm)

Sample ID	Sampling Date	Gasoline (C4-C10)	Kerosene (C8-C16)	Diesel (C10-C22)	Oil (C22-C35)
#1 East @ -2 (-9)	01/07/04	ND(10)	ND(10)	ND(10)	116
#2 East @ -6 (-13)	01/07/04	ND(10)	ND(10)	ND(10)	ND(100)
#3 West @ -2 (-9)	01/07/04	ND(10)	ND(10)	ND(10)	ND(100)
#4 East @ -6 (-13)	01/07/04	ND(10)	ND(10)	ND(10)	ND(100)
SP-1 Sta 10	01/07/04	NA	NA	ND(10)	NA
SP-1 Sta 20	01/07/04	NA	NA	ND(10)	NA
SP-1 Sta 30	01/07/04	NA	NA	ND(10)	NA
SP-1 Sta 40	01/07/04	NA	NA	ND(10)	NA

Notes: ND (10) - Not detected (detection limit of analysis)
NA - Not analized

1 carbons

TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS
FUEL OXYGENATES / BTEX - EPA METHOD 5030/8260B
Moreno Valley - Citrus Groves USTs
Project No.03-415
January 2004

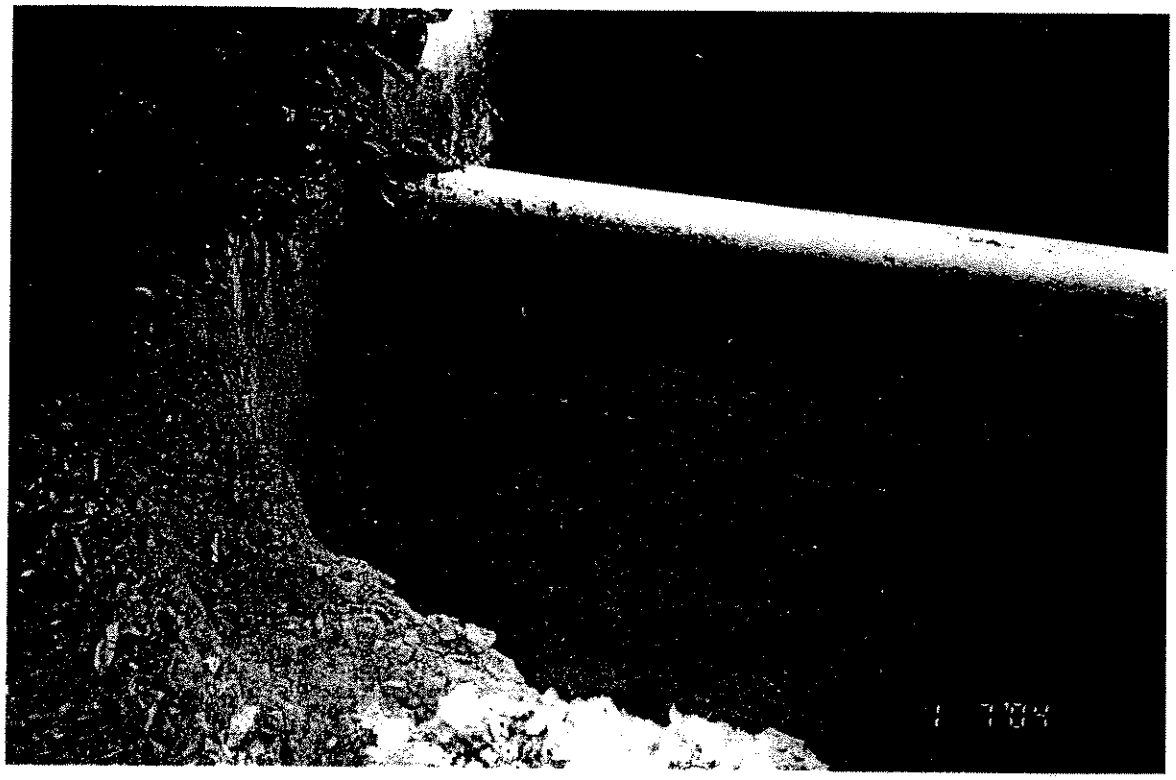
units = mg/kg (ppm)

Sample ID & Depth	Sampling Date	ETBA	DIPE	MTBE	TAME	TBA	Benzene	Toluene	Ethylbenzene	Total Xylenes
#1 East @ -2 (-9)	01/07/04	ND(0.01)	ND(0.01)	ND(0.005)	ND(0.01)	ND(0.05)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)
#2 East @ -6 (-13)	01/07/04	ND(0.01)	ND(0.01)	ND(0.005)	ND(0.01)	ND(0.05)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)
#3 West @ -2 (-9)	01/07/04	ND(0.01)	ND(0.01)	ND(0.005)	ND(0.01)	ND(0.05)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)
#4 East @ -6 (-13)	01/07/04	ND(0.01)	ND(0.01)	ND(0.005)	ND(0.01)	ND(0.05)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)
SP-1 Sta 10	01/07/04	ND(0.01)	ND(0.01)	ND(0.005)	ND(0.01)	ND(0.05)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)
SP-1 Sta 20	01/07/04	ND(0.01)	ND(0.01)	ND(0.005)	ND(0.01)	ND(0.05)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)
SP-1 Sta 30	01/07/04	ND(0.01)	ND(0.01)	ND(0.005)	ND(0.01)	ND(0.05)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)
SP-1 Sta 40	01/07/04	ND(0.01)	ND(0.01)	ND(0.005)	ND(0.01)	ND(0.05)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)

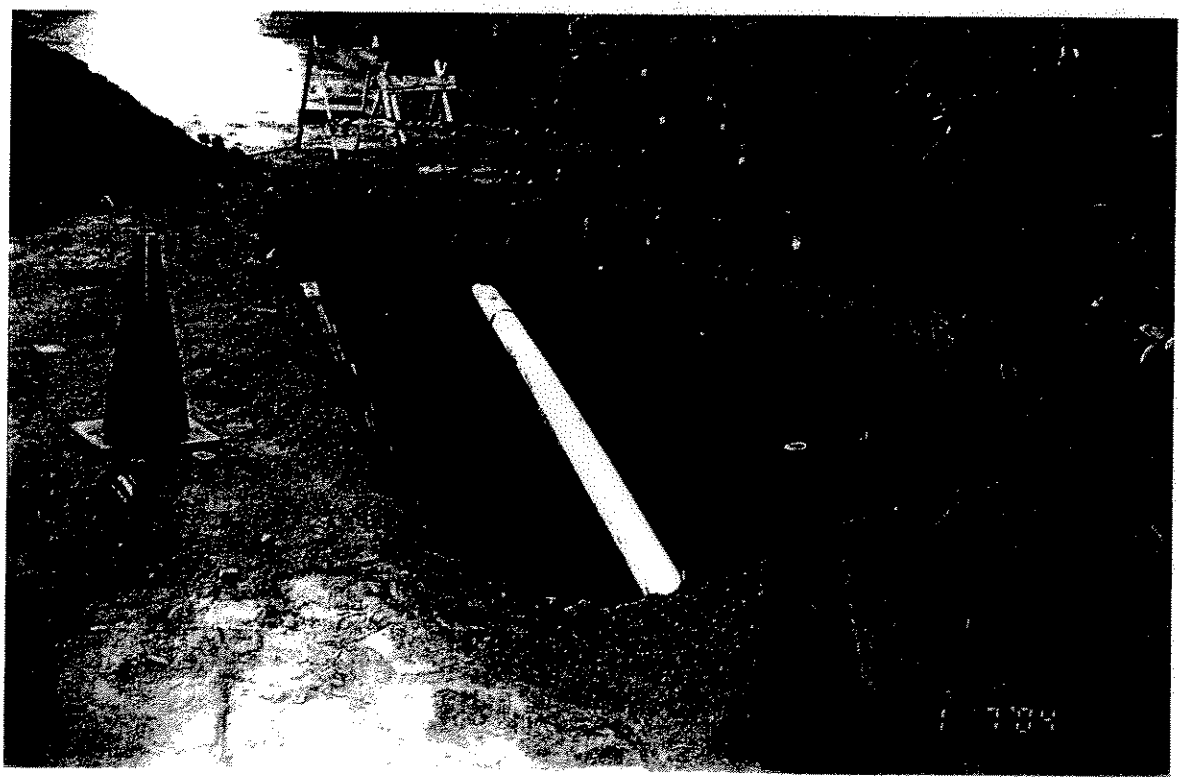
Notes: ND (0.005) - Not detected (detection limit of analysis)

ATTACHMENT A

Photographs



UST following removal of backfilled soil, looking northwest from south side of UST. Concrete bottom and sidewalls exposed.



UST Excavation looking east to southeast. Six inch PVC irrigation line in central portion of UST and buried Eastern Municipal Water Company, 12-inch water main in north portion of UST.

ATTACHMENT B

Tank Removal Permit

COUNTY OF RIVERSIDE HEALTH SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS MANAGEMENT DIVISION

UNDERGROUND STORAGE TANK PERMIT FOR CLOSURE

TYPE OF PERMIT

[x] Removal

[ ] Abandonment in Place

[ ] Temporary Closure (12 Months Only)

Facility # NEW

This permit shall not be construed as to allow the violation of any law, nor does it prevent further corrections of errors found on the application, plans, or at the site. Plans must be resubmitted for approval if any additional changes are made by the applicant.

In addition to this permit, all applicable permits required by the local fire department, building department, and the air quality management district must be obtained and should be available for review at the closure site.

All tank closures must, at a minimum, comply with the California Underground Storage Tank Regulations and the appropriate section of the California Health & Safety Code.

DAVID LANTZ has applied for and is granted a permit to
Owner/Contractor/Applicant

REMOVAL 1 underground storage tank(s) at
Remove/Abandon/Temp. Close No.

CITRUS GROVE located at
Facility Name

SOUTHEAST OF PETTIT ST. & HIGHWAY 60 in MORENO VALLEY, California.
Street Address City/Town

Underground tank closure inspections **must be scheduled five (5) business days in advance.** Telephone (909) 358-5055.

Sandra J. Fiorilli 12-23-03 03-489
Permit Approved By Date Plan Check #

S.F.

*This Permit for Closure is VALID FOR 90 DAYS from the date of approval. If no reasonable action is taken within that period, the applicant will be required to reapply for a closure permit with all pertinent fees associated.

Paul 766-1811
- Paper 876-1334 -

ATTACHMENT C

Laboratory Report and Chain-of-Custody Documentation

Enviro - Chem, Inc.
1218 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: January 15, 2004

Mr. Robert C. Manning
RM Environmental
P.O. Box 575
Calimesa, CA 92320
Tel(909)446-0041 Fax(909)446-0124

Project: **Citrus Grove - Moreno Valley**

Dear Mr. Manning:

The analytical results for the soil samples, received by our lab on January 8, 2004, are attached. All samples were received chilled, intact and with chain of custody record.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manger

Jesse Tu, Ph.D.
Laboratory Manager

Enviro - Chem, Inc.
1218 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: RM ENVIRONMENTAL, P.O. BOX 575, CALIMESA, CA 92320
TEL(909)446-0041 FAX(909)446-0124

PROJECT: Citrus Grove - Moreno Valley
MATRIX: SOIL
SAMPLING DATE: 01/07/04
REPORT TO: Mr. ROBERT C. MANNING

DATE RECEIVED: 01/08/04
DATE ANALYZED: 01/13-15/04
DATE REPORTED: 01/15/04

TOTAL PETROLEUM HYDROCARBONS(TPH) - CARBON CHAIN ANALYSIS
METHOD: LUFT/EPA 8015M
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	GASOLINE (C4-C10)	KEROSENE (C8-C16)	DIESEL (C10-C22)	OIL (C22-C35)	DF
#1 East @ -2(-9)	040108-90	ND	ND	ND	116	1
#2 East @ -6(-13)	040108-91	ND	ND	ND	ND	1
#3 West @ -2(-9)	040108-92	ND	ND	ND	ND	1
#4 West @ -6(-13)	040108-93	ND	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	ND	1
	PQL	10	10	10	100	

COMMENTS
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8015M Soil QC

Date Analyzed: 1/14-15/2004 Units: mg/Kg (PPM)

Matrix: **Solid**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **LCS-1/2**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
DIESEL	0	3400	3514	103%	3508	103%	0%	75-125	0-20%

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
DIESEL	200	224	112%	75-125

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro - Chem, Inc.
1218 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: RM ENVIRONMENTAL, P.O. BOX 575, CALIMESA, CA 92320
TEL(909)446-0041 FAX(909)446-0124

PROJECT: Citrus Grove - Moreno Valley
MATRIX: SOIL
SAMPLING DATE: 01/07/04
REPORT TO: Mr. ROBERT C. MANNING

DATE RECEIVED: 01/08/04
DATE ANALYZED: 01/13/04
DATE REPORTED: 01/15/04

TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL ANALYSIS
(C10-C22 HYDROCARBONS)
METHOD: LUFT / EPA 8015M
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TPH-DIESEL RESULT	DF
SP-1 Sta 10	040108-94	ND	1
SP-1 Sta 20	040108-95	ND	1
SP-1 Sta 30	040108-96	ND	1
SP-1 Sta 40	040108-97	ND	1
METHOD BLANK	---	ND	1
	PQL	10	

COMMENTS
PQL = PRACTICAL QUANTITATION LIMIT
DF = DILUTION FACTOR
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8015M Soil QC

Date Analyzed: 1/13/2004 Units: mg/Kg (PPM)

Matrix: **Solid**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **040108-93**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
DIESEL	0	3400	3524	**104%**	3667	**108%**	**4%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
DIESEL	200	208	**104%**	**75-125**

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro - Chem, Inc.
1218 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: RM ENVIRONMENTAL, P.O. BOX 575, CALIMESA, CA 92320
TEL(909)446-0041 FAX(909)446-0124

PROJECT: Citrus Grove - Moreno Valley
MATRIX: SOIL
SAMPLING DATE: 01/07/04
REPORT TO: Mr. ROBERT C. MANNING

DATE RECEIVED: 01/08/04
DATE ANALYZED: 01/09/04
DATE REPORTED: 01/15/04

EPA 5030B/8260B FOR BTEX
UNIT: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	DF
#1 East @ -2(-9)	040108-90	ND	ND	ND	ND	1
#2 East @ -6(-13)	040108-91	ND	ND	ND	ND	1
#3 West @ -2(-9)	040108-92	ND	ND	ND	ND	1
#4 West @ -6(-13)	040108-93	ND	ND	ND	ND	1
SP-1 Sta 10	040108-94	ND	ND	ND	ND	1
SP-1 Sta 20	040108-95	ND	ND	ND	ND	1
SP-1 Sta 30	040108-96	ND	ND	ND	ND	1
SP-1 Sta 40	040108-97	ND	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	ND	1
	PQL	0.005	0.005	0.005	0.010	

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1218 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: RM ENVIRONMENTAL, P.O. BOX 575, CALIMESA, CA 92320
TEL(909)446-0041 FAX(909)446-0124

PROJECT: Citrus Grove - Moreno Valley
MATRIX: SOIL
SAMPLING DATE: 01/07/04
REPORT TO: Mr. ROBERT C. MANNING

DATE RECEIVED: 01/08/04
DATE ANALYZED: 01/09/04
DATE REPORTED: 01/15/04

EPA 5030B/8260B FOR FUEL OXYGENATES
UNITS: MG/KG = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	ETBE	DIPE	MTBE	TAME	TBA	DF
#1 East @ -2(-9)	040108-90	ND	ND	ND	ND	ND	1
#2 East @ -6(-13)	040108-91	ND	ND	ND	ND	ND	1
#3 West @ -2(-9)	040108-92	ND	ND	ND	ND	ND	1
#4 West @ -6(-13)	040108-93	ND	ND	ND	ND	ND	1
SP-1 Sta 10	040108-94	ND	ND	ND	ND	ND	1
SP-1 Sta 20	040108-95	ND	ND	ND	ND	ND	1
SP-1 Sta 30	040108-96	ND	ND	ND	ND	ND	1
SP-1 Sta 40	040108-97	ND	ND	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	ND	ND	1
	PQL	0.01	0.01	0.005	0.01	0.05	

COMMENTS:
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
ETBE = ETHYL tert-BUTYL ETHER DIPE = ISOPROPYL ETHER
MTBE = METHYL tert-BUTYL ETHER TAME = TERT-AMYL METHYL ETHER
TBA = TERTIARY BUTYL ALCOHOL

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8260 QA/QC Report

Date Analyzed: 1/9-10/04 **Matrix:** Soil
Machine: A **Unit:** mg/Kg (PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 040108-92

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	0.050	0.049	98%	0.047	94%	4%	75-125	0-20
Chlorobenzene	0	0.050	0.049	98%	0.045	90%	8%	75-125	0-20
1,1-Dichloroethene	0	0.050	0.051	102%	0.049	98%	4%	75-125	0-20
Toluene	0	0.050	0.047	94%	0.044	88%	6%	75-125	0-20
Trichloroethene (TCE)	0	0.050	0.051	102%	0.046	92%	10%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	0.050	0.046	92%	75-125
Chlorobenzene	0.050	0.045	90%	75-125
Chloroform	0.050	0.041	82%	75-125
1,1-Dichlorothene	0.050	0.046	92%	75-125
Ethylbenzene	0.050	0.045	90%	75-125
o-Xylene	0.050	0.044	88%	75-125
m,p-Xylene	0.100	0.090	90%	75-125
Toluene	0.050	0.044	88%	75-125
1,1,1-Trichloroethane	0.050	0.042	84%	75-125
Trichloroethene (TCE)	0.050	0.043	86%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.				0108-90	0108-91	0108-92	0108-93	0108-94	0108-95
Dibromofluoromethane	50.0	70-130	99%	99%	103%	97%	100%	104%	104%
Toluene-d8	50.0	70-130	97%	97%	97%	96%	95%	96%	97%
4-Bromofluorobenzene	50.0	70-130	107%	99%	100%	101%	103%	100%	98%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			0108-96	0108-97	0108-98	0109-130	0109-72	0109-73	0109-74
Dibromofluoromethane	50.0	70-130	108%	112%	160*%	127%	105%	107%	102%
Toluene-d8	50.0	70-130	95%	94%	63*%	72%	89%	89%	91%
4-Bromofluorobenzene	50.0	70-130	94%	93%	77%	85%	94%	87%	95%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			0109-75	0109-76	0109-77				
Dibromofluoromethane	50.0	70-130	97%	100%	100%				
Toluene-d8	50.0	70-130	93%	94%	90%				
4-Bromofluorobenzene	50.0	70-130	94%	94%	94%				

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*

S.R. = Sample Results *%RC = Percent Recovery*
spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed By: Kimberly Pham **Analyst Signature:**

First Reviewer: **Final Reviewer:**

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE # 1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
~~0~~ 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	BTXE & Oxgenates (8260)	TPH-d (8015M)	TPH-CCID *							Misc.
								Analysis Required									COMMENTS 1/9/04
#1 east-2(-9)	040108 -90	1-7-04	1:45	Soil	1	4°C	None	✓	✓		X						*As per Rob 1/14/04
#2 east-6(-13)	-91		1:55		1			✓	✓		X						
#3 West-2(-9)	-92		1:58		1			✓	✓		X						
#4 west-6(-13)	-93		2:03		1			✓	✓		X						
SP-1 Sta 10	-94		2:15		1			✓	✓								
SP-1 Sta 20	-95		2:18		1			✓	✓								
SP-1 Sta 30	-96		2:20		1			✓	✓								
SP-1 Sta 40	-97		2:20		1			✓	✓								

Company Name: RM Environmental
Address: P.O. Box 575
City/State/Zip: Colimesa, CA. 92320

Project Contact: Robert Manning
Tel: (909) 446-0041
Fax: (909) 446-0124

Sampler's Signature:
Project Name/ID: Citrus Grove - Moreno Valley

Relinquished by:	Received by:	Date & Time: 1/8/04 9:50A	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 1/8/04 1410	☒ Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

1-7-04

WHITE WITH SAMPLE, YELLOW TO CLIENT