

July 13, 2000

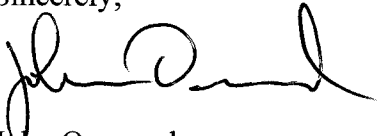
Mr. Barney Chan
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, CA 94502

Subject: Tank Removal Report
8275 San Leandro Street
Oakland, CA 94621
AEI Project No. 3166

Dear Mr. Chan:

Enclosed is the tank removal report for the property referenced above. Also included is an unauthorized leak report. Please call me at (925) 283-6000 if you have any questions.

Sincerely,



John Ormerod
Environmental Scientist

00 JUL 19 PM 3:50
ENVIRONMENTAL
PROTECTION

August 12, 1999

**UNDERGROUND STORAGE TANK REMOVAL
FINAL REPORT**

8275 San Leandro Street
Oakland, California

Project No. 3166

Prepared For

Monterey Mechanical
8275 San Leandro Street
Oakland, CA 94621

Prepared By

All Environmental, Inc.
901 Moraga Road, Suite C
Lafayette, CA 94549
(800) 801-3224

AEI

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1.0 INTRODUCTION

All Environmental, Inc. (AEI) has prepared this final report to document the underground storage tank closure activities performed at 8275 San Leandro Street in Oakland, California (Figure 1: Site Location Map). One (1) 2,000-gallon gasoline underground storage tank (UST) was removed. The tank was located approximately eight feet to the south of the equipment storage building located centrally on the subject property (Figure 2: Site Plan).

AEI was contracted to obtain all necessary permits, excavate to expose the tank, remove and dispose of residual liquids, remove and dispose the tank, perform soil sampling and analysis, backfill and resurface the excavation.

2.0 PERMITS

On April 5, 1999, the Oakland Fire Services Agency Office of Emergency Services (OFSA) issued a permit (# 32-99) to remove one UST. Inspector Hernan Gomez was assigned to represent the OFSA, and observed the tank closure activities at the site. On May 27, 1999, Cal OSHA and the Bay Area Air Quality Management District (BAAQMD) were notified of the tank removal activities. The excavation areas were marked and the property representative was notified of the specific time plan.

Copies of the permit and notification documents are located in Appendix A: Permits and Notification Documents.

3.0 MOBILIZATION, EXCAVATION AND REMOVAL

On June 3, 1999, the AEI field staff was briefed and the Site Health and Safety Plan reviewed prior to the initiation of work. The Site Health and Safety Plan is located in Appendix B. Ground cover was broken and the soil above the tank was excavated. A single stockpile of the excavated soil was created adjacent to the excavation (Figure 2: Site Plan and Figure 3: Sample Location Plan).

Excel Environmental Services, Inc. removed 325 gallons of waste liquid from the tank prior to removal. Dry ice was introduced into the tank until the Lower Explosive Limit (LEL) and oxygen content reached acceptable levels.

The tank was removed on June 3, 1999, and was visually inspected prior to loading for transport. The tank was observed in good condition. Minor rust stains were noted, however no holes were observed in the tank.

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The tank was loaded onto a Dexanna, Inc. truck and transported under non-hazardous waste manifest to the Ecology Control Industries' disposal facility at 255 Parr Boulevard in Richmond, California, where the tank was triple rinsed, cut, and scrapped.

Soil samples and a grab groundwater sample were collected prior to backfilling. The excavation was backfilled with stockpiled soil and imported clean fill material to replace the volume of the tank. The excavation area was resurfaced with asphalt to match the surroundings.

The non-hazardous waste manifests for the waste liquid and tank are located in Appendix C: Transport and Disposal Documents.

4.0 SAMPLING AND ANALYSES

All samples were collected under the direction of Inspector Gomez of the OFSA. A total of five (5) soil samples were collected from the tank removal activities. Sidewall soil samples were collected from each wall of the excavation at five feet bgs (AEI ES- N-5', S-5', E-5', W-5'). Four (4) discrete soil samples were collected from the stockpile, and were composited into a single sample (AEI STKP 1-4) for analysis. All soil samples were collected in brass tubes that were driven into the soil until completely full, then sealed with Teflon tape and plastic caps. Native material consisted of stiff brown clay. Please refer to Figure 3: Sample Location Plan for the sample locations.

Groundwater was encountered at five feet below ground surface (bgs). Excel Environmental removed approximately five gallons of groundwater from the excavation. The excavation recharged, and one grab groundwater sample, labeled AEI GW 5', was collected with a disposable bailer.

The soil and groundwater samples were immediately placed into a cooler with ice. Chain of Custody documentation was initiated. The cooler and samples were brought to McCampbell Analytical, Inc. (State Certification #1644) of Pacheco, California on June 3, 1999 for analysis.

The samples were analyzed for Total Petroleum Hydrocarbons as gasoline (EPA 8015), Total Lead (EPA Method 6010/200), methyl-tert-butyl ether (MTBE), and benzene, toluene, ethylbenzene, and xylenes (BTEX) (EPA Method 602/8020). The analytical results are summarized in the following tables:

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TABLE 1 - Soil Sample Analyses

	AEI ES N 5'	AEI ES S 5'	AEI ES E 5'	AEI ES W 5'	AEI STKP 1-4
TPH-GASOLINE (mg/kg)	<1.0	<1.0	<1.0	<1.0	1.3
MTBE (mg/kg)	<0.05	<0.05	<0.05	<0.05	0.092
BENZENE (mg/kg)	<0.005	<0.005	<0.005	<0.005	0.005
TOLUENE (mg/kg)	<0.005	<0.005	<0.005	<0.005	0.098
ETHYL BENZENE (mg/kg)	<0.005	<0.005	<0.005	<0.005	0.034
TOTAL XYLENES (mg/kg)	<0.005	<0.005	<0.005	<0.005	0.20
TOTAL LEAD (mg/kg)	21	10	15	14	22

mg/kg = milligrams per kilogram (ppm)

TABLE 2 - Groundwater Sample Analyses

	AEI GW 5'
TPH-GASOLINE (µg/L)	34,000
MTBE (µg/L)	43,000
BENZENE (µg/L)	650
TOLUENE (µg/L)	5,600
ETHYL BENZENE (µg/L)	1,300
TOTAL XYLENES (µg/L)	7,300
TOTAL LEAD (mg/L)	0.13

µg/L = micrograms per liter (ppb)

mg/L = milligrams per liter (ppm)

Copies of all analytical results and Chain of Custody documentation are located in Appendix D: Analytical Documentation.

5.0 SUMMARY AND CONCLUSIONS

On June 3, 1999, a 2,000-gallon gasoline UST was removed from the property located at 8275 San Leandro Street in Oakland, California. Prior to removal, 325 gallons of waste liquid were removed, transported and disposed off-site. The tank was transported under non-hazardous waste manifest to the Ecology Control Industries' disposal facility in Richmond, California where the tank was cleaned and disposed of as scrap metal.

A total of five (5) soil samples were collected during the tank removal activities. Minor concentrations of TPH-gasoline were detected in soil sample AEI STKP 1-4 at 1.3 mg/kg. Minor concentrations of BTEX and MTBE were also detected in AEI STKP 1-4. Concentrations of lead were detected in all of the soil samples ranging from 10 mg/kg to 22 mg/kg. These concentrations are associated with background levels in the soil. All other constituents were not present in the soil samples above laboratory detection limits.

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Groundwater was encountered at 5 feet bgs during the tank removal activities. One grab groundwater sample was collected during the tank removal activities. Elevated concentrations of TPH-gasoline were detected in AEI GW 5' at 34,000 µg/L. Concentrations of MTBE were detected at 43,000 µg/L. Elevated concentrations of BTEX were also detected in AEI GW 5'.

Based on the elevated concentrations of petroleum hydrocarbons present in the grab groundwater sample there is a potential that the OFSA and the San Francisco Bay Regional Water Quality Control Board will require further assessment to investigate the extent of the existing plume.

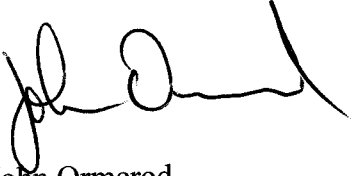
AEI

6.0 REPORT LIMITATIONS AND SIGNATURES

This report presents a summary of work completed by All Environmental, Inc., including observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide required information, but it cannot be assumed that they are representative of areas not sampled. All conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

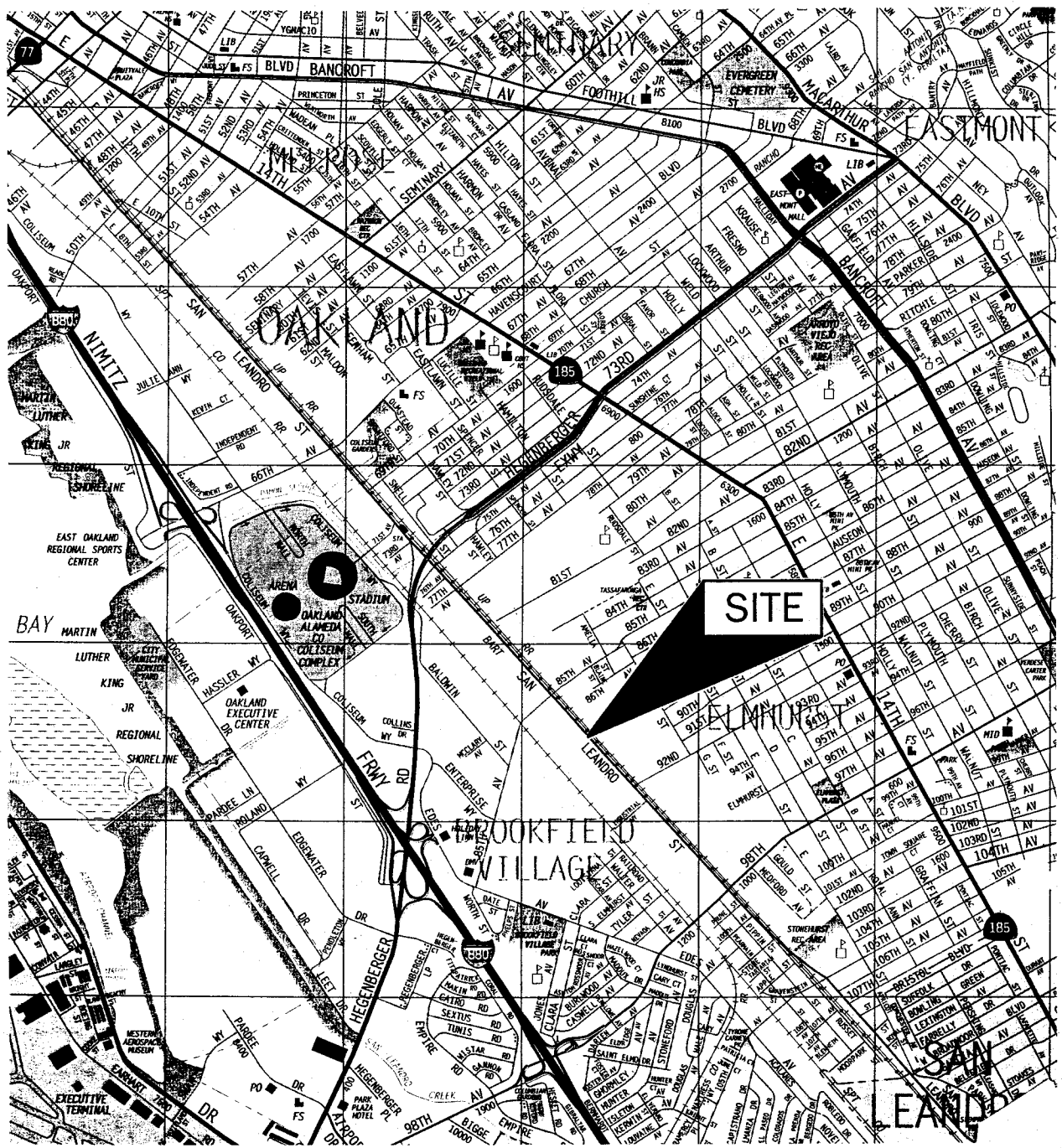
All services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work.

All Environmental, Inc.



John Ormerod
Environmental Scientist

AEI



FROM:
THE THOMAS GUIDE
1997 EDITION

AEI Consultants
901 MORAGA ROAD, SUITE C, LAFAYETTE, CA

SCALE: 1"=2400'

DATE: 1997

SITE LOCATION MAP

8275 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

DRAWING NUMBER:
FIGURE 1

EQUIPMENT STORAGE

DIRT

ASPHALT

FORMER LOCATION OF FUEL DISPENSER

EXCAVATION BOUNDARY

STOCKPILE

EQUIPMENT STORAGE

FORMER LOCATION OF
2,000-GALLON GASOLINE UST

OFFICE

SUBJECT PROPERTY BOUNDARY

SIDEWALK

DRIVEWAY

SAN LEANDRO STREET



AEI Consultants

901 MORAGA ROAD, SUITE C, LAFAYETTE, CA

SCALE: 1" = 20'

DRAWN BY: J.ORMEROD

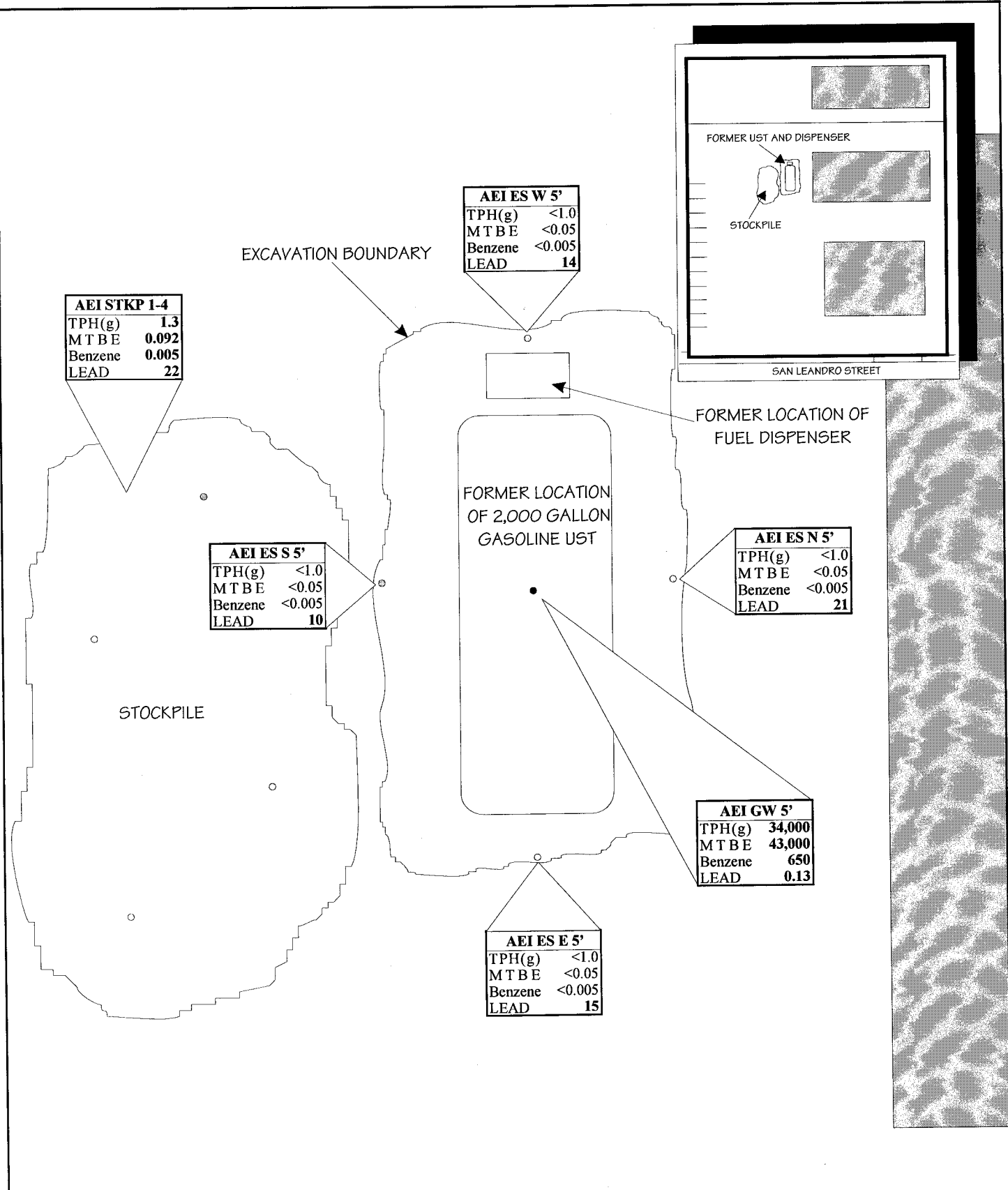
DATE: 9/2/99

SITE MAP

8275 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

DRAWING NUMBER:

FIGURE 2



KEY

- GROUNDWATER SAMPLE LOCATION
 - ⊙ SOIL SAMPLE LOCATION
- TPH(g) TOTAL PETROLEUM HYDROCARBON AS GASOLINE
 MTBE METHYL TERTIARY BUTYL ETHER
 LEAD TOTAL LEAD

GROUNDWATER SAMPLE RESULTS IN µg/L
 SOIL SAMPLE RESULTS IN mg/kg



AEI Consultants
 901 MORAGA ROAD, SUITE C, LAFAYETTE, CA

SCALE: 1" = 6' DRAWN BY: J. ORMEROD DATE: 9/2/99

SAMPLE LOCATION MAP

8275 SAN LEANDRO STREET DRAWING NUMBER:
 OAKLAND, CALIFORNIA **FIGURE 3**

APPENDIX A

PERMITS AND NOTIFICATION DOCUMENTS

**City Of Oakland
FIRE PREVENTION
BUREAU**

250 Frank Ogawa Plaza, Ste. 3341
Oakland California 94612-2032
510-238-3851



*Permit To Excavate And Install, Repair,
Or Remove Inflammable Liquid Tanks*

Oakland, California April 5, 1999

Tank Permit Number: 32-99

Permission Is Hereby Granted To:

Remove gasoline

Tank And Excavate Commencing:

Feet Inside: property

Line.

On The: west side of San Leandro St., north of 66th Ave.

Site Address: 8275 San Leandro St.

Present Storage:

Owner: Steve Bacciocco-Monterey Mechanical

Address: 8275 San Leandro St., Oakland, 94621

Phone: 632-3173

Applicant: All Environmental, Inc. Attn: Nick Walchuk

Address: 901 Moraga Rd., Ste., C Lafayette, 94549

Phone: (925) 283-6000

Dimensions Of Street (sidewalk) Surface To Be Disturbed : X No. Of Tanks 1 Capacity 2000 Gallons, Each

Remarks

This Permit Is Granted In Accordance With Existing City Ordinances. Owner Hereby Agrees To Remove Tanks On Discontinuance Of Use Or When Notified By The City Authorities When Installing, Removing Or Repairing Tanks, No Open Flame To Be On Or Near Premises.

CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Type Of Inspection: Tank Removal

Inspected And Passed On: 6/3/99

By: H. Gomez

Approved: JERRY E. BLUEFORD
Fire Marshal

UST/AST Installations/modifications:

Pressure Test: Inspected By: _____ Date: _____

Primary Piping Test: Inspected By: _____ Date: _____

Inspection Fee Paid: \$ 540.00

Received By: D. Clemons ck#8708 rec#784704

Secondary Containment & Sump Testing:

Inspected By: _____ Date: _____

Final: Inspected By: _____ Date: _____

Before Covering Tanks, Above Certification Must Be Signed When Ready For Inspection Notify Fire Prevention Bureau 238-3851

THIS PERMIT MUST BE LEFT ON THE WORK SITE AS AUTHORITY THEREFORE



BAY AREA AIR QUALITY MANAGEMENT DISTRICT

939 ELLIS STREET
SAN FRANCISCO, CALIFORNIA 94109
(415) 771-6000

REGULATION 8, RULE 40 NOTIFICATION FORM

Check Removal or Replacement of Tanks
 Excavation of Contaminated Soil

SITE INFORMATION

Site Address 8275 San Leandro Street
City, State Oakland, CA Zip 94621

Owner Name Steve Bacciocco

Specific location of project approximately 10 ft to the south of the building

Tank Removal

Scheduled startup date June 3, 1999
Vapors removed by:
 Water wash
 Vapor freeing (CO₂)
 Ventilation
Indicate below if an A/C was obtained for tank replacement:
Yes _____ No If yes, A/C or P/O # _____

Contaminated Soil Excavation

Scheduled Startup Date _____
Stockpiles will be covered? Yes _____ No _____
Indicate below the method used to comply with Regulation 8, Rule 40, Section 402.4:
Check (✓) 8-40-301 8-40-302 (permit required)
A/C or P/O # _____
A/C = Authority to Construct P/O = Permit to Operate

What other public agency have you notified (e.g., Fire District, Hazardous Materials Department, City or County)?
A: Oakland Fire Prevention Contact Inspector Hernan Gomez Phone # (510) 238-7253

BAAQMD # _____ CONTRACTOR INFORMATION

Name All Environmental, Inc. Contact _____
Address 901 Moraga Road, Suite C Phone (510) 283-6000
City, State, Zip Lafayette, CA, 94549

CONSULTANT INFORMATION (if applicable)

Name same as contractor Contact _____
Address _____ Phone () _____
City, State, Zip _____

FOR OFFICE USE ONLY

Date Received Fax: _____ Date Postmarked: _____
Inspector No.: _____ Date: _____ By: _____
Update: Contact Name _____ Date: _____ By: _____
Update: Contact Name _____ Date: _____ By: _____

See reverse for instructions

ACTIVITY NOTIFICATION FORM FOR HOLDERS OF ANNUAL PERMITS Scaffolding Falsework Trenches/Excavations

8 CCR 341.1(f) REQUIRES HOLDERS OF ANNUAL PERMITS TO PROVIDE NOTIFICATION TO THE DOSH OFFICE NEAREST THE PROJECT PRIOR TO COMMENCEMENT OF ANY WORK. THIS FORM IS PROVIDED FOR YOUR CONVENIENCE TO USE FOR SUCH NOTIFICATION.

THIS FORM MAY BE FAXED TO THE NEAREST DOSH OFFICE TO COMPLY WITH THE ABOVE. PLEASE DO NOT MAIL DUPLICATE NOTIFICATION TO FOLLOW-UP FAX NOTIFICATION.

FAX DATA: FAXED TO <u>Oakland</u>	DOSH DISTRICT OFFICE ON <u>6/1/99</u>
DOSH FAX NO. <u>(510) 622-2908</u>	BY <u>John Ormead</u>
Company Name: <u>ALL ENVIRONMENTAL, INC.</u>	Field Phone: <u>(925) 283-6000</u>
Annual Permit Number: <u>99-900632</u>	Office Phone: <u>(925) 283-6000</u>
Issuing Region: <u>2</u>	Issuing District: <u>2</u>
Specific Activity Location: <u>8275 San Leandro Street</u>	Number of Employees: <u>2</u>
Nearest Major Cross Street: <u>Hegenberger Road</u>	Starting Date: <u>6/3/99</u>
City: <u>Oakland</u>	Anticipated Completion Date: <u>6/3/99</u>
County: <u>Alameda</u>	High Voltage Lines in Proximity? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>

INSTRUCTIONS: The appropriate item(s) must be completed and signed by a person knowledgeable about the project for each activity covered by a permit. Please fill in or check off the blanks where appropriate.

Scaffolding: Height _____ Metal _____ Wood _____ Wood over 60 Feet _____ Metal over 125 Feet _____

Metal > 125 Feet or Wood > 60 Feet requires design by California Registered Civil Engineer & Plans at Site. (See 8 CCR 1644(c)(7))

Description: _____

Falsework/Vertical Shoring: Maximum Height _____ Maximum Span _____ Material _____

Description: _____

(See 8 CCR 1717)

Trenches/Excavations: Depth Range (Min/Max) 10 Width Range (Min/Max) 10 Total Length 15

Ground Protection Method: Shoring _____ Sloping Trench Shield _____ Professional Engineer _____

Underground Services Alert (USA) Number _____ (NORTH 1-800-642-2444/SOUTH 1-800-422-4133)

Soil Analysis to be done? Yes No _____ If No, You Must Slope 1.5 to 1.

Competent Person: The holder of an Annual Permit who is notifying the District of the commencement of a Trench and/or Excavation project shall designate a competent person in accordance with the requirements of 8 CCR Section 1504, 1541, and 1541.1.

Description: removal of one underground storage tank
No one will enter excavation

* Ground protection methods for excavations deeper than 20 feet must be designed by a Registered Professional Engineer. See 8 CCR 1541.1, Appendix F.

I hereby certify that to the best of my knowledge the above information and assertions are true and correct and that I/the applicant have knowledge of and will comply with the foregoing.

Signature: John Ormead
Title: Environmental Scientist Date: 6/1/99

APPENDIX B

SITE HEALTH & SAFETY PLAN



ALL ENVIRONMENTAL, INC.

Environmental Engineering & Construction

HEALTH AND SAFETY PLAN

Prepared for:

UST Removal
at
8275 San Leandro Street
Oakland, CA

Corporate Headquarters:

901 Moraga Road, Suite C
Lafayette, CA 94549
Phone : (510) 283-6000
Fax: (510) 283-6121

(800) 801-3224
www.all-environmental.com

Los Angeles Office:

111 N. Sepulveda Boulevard, Ste. 250
Manhattan Beach, CA 90266
Phone: (310) 328-8878
Fax: (310) 798-2841

D. HAZARD EVALUATION

Potential chemical hazards include skin and eye contact or inhalation exposure to potentially toxic concentrations of hydrocarbon vapors. The potential toxic compounds that may exist at the site are listed below with descriptions of specific health effects of each. The list includes the primary potential toxic constituents that may be found at sites which previously handled petroleum hydrocarbons, including home heating diesel fuel.

1. Benzene

- a. Colorless to light yellow, flammable liquid with an aromatic odor.
- b. Toxic hazard by **inhalation, adsorption, ingestion and skin and/or eye contact.**
- c. Exposure may irritate eyes, nose and respiratory system and may cause acute restlessness, convulsions, nausea, or depression. Benzene is carcinogenic.*
- d. Permissible exposure level (PEL) for a time weighted average (TWA) over an eight hour period is 1.0 ppm.

2. Toluene

- a. Colorless liquid with a sweet, pungent, benzene like odor.
- b. Toxic hazard by **inhalation, adsorption, ingestion and skin and/or eye contact.**
- c. Exposure may cause fatigue, weakness, confusion, euphoria, dizziness, headaches, dilated pupils, lacrimation, nervousness, insomnia, paresthesia, and dermatitis.
- d. Permissible exposure level for a time weighted average over an eight hour period is 100 ppm.

3. Xylene

- a. Colorless liquid with an aromatic odor.
- b. Toxic hazard by **inhalation, adsorption, ingestion and skin and/or eye contact.**
- c. Exposure may irritate eyes nose and throat and may cause dizziness, excitement, drowsiness, incoordination, corneal vacuolization, anorexia, nausea, vomiting, and dermatitis.
- d. Permissible exposure level for a time weighted average over an eight hour period is 100 ppm.

4. Ethylbenzene

- a. Colorless liquid with an aromatic odor.
- b. Toxic hazard by **inhalation, ingestion, and skin and/or eye contact.**
Ethylbenzene is carcinogenic.*
- c. Exposure may irritate eyes and mucous membrane and may cause headaches, dermatitis, narcosis and loss of consciousness.
- d. Permissible exposure level for a time weighted average over an eight hour period is 100 ppm.

* **Known to the State of California to cause cancer.**

5. Lead

- a. A heavy ductile soft grey metal.
- b. Toxic hazard by **inhalation, ingestion, and skin and/or eye contact**.
- c. Exposure may cause weakness, nausea, lassitude, diarrhea, insomnia, anorexia, inflamed mucous membranes and abdominal pains. Lead is carcinogenic.*
- d. Permissible exposure level for a time weighted average over an eight hour period is .05 ppb (in vapor).

6. Diesel

- a. Colorless to dark brown, combustible liquid with an aromatic odor
- b. Toxic hazard by **inhalation, ingestion, skin and/or eye contact**.
- c. Inhalation of vapors may depress the central nervous system, increasing reaction times, and decreasing pulse rate and blood pressure. Skin irritant.
- d. Occupational exposure limit 5.0 ppm (in vapor).

7. Gasoline

- a. Colorless liquid with a strong aromatic odor. Highly volatile and extremely flammable.
- b. Toxic hazard by **inhalation, adsorption, ingestion and skin and/or eye contact**.
- c. Inhalation of vapors can cause depression of the central nervous system with symptoms such as headache, dizziness, nausea and loss of coordination. Skin contact can cause defatting of the skin, skin irritation and dermatitis. Benzene is a major constituent of gasoline.
- d. Permissible exposure level for a time weighted average over an eight hour period is 300 ppm.

8. Waste Oil

- a. Toxic hazard by **ingestion** and possibly **inhalation**.
- b. Prolonged contact may cause skin irritation and dermatitis. Waste oil may be carcinogenic.*
- c. Waste oil may contain metals or toxic organics from thermal breakdown of the oil. In some cases, chlorinated solvents may be present.
- d. Permissible exposure level for a time weighted average over an eight hour period is 5 ppm (in vapor).

* **Known to the State of California to cause cancer.**

Dusty Roy has been designated to coordinate access control and security on site. All work will strictly follow OSHA guidelines. A safe perimeter has been established at a three foot radius surrounding the site. These boundaries are identified by yellow caution tape and orange safety cones. Personnel shall maintain the maximum distance from the pit while performing their duties. No one shall enter an excavation pit that is greater than five feet in depth unless the excavation is shored or sloped and no one shall climb on the stockpiled material except to cover it with plastic. Additional hazards on site include heavy equipment and overhead lifting equipment. Heavy equipment used for performing the tank removal project may include a backhoe, an excavator, or a crane for lifting the tank out of the excavation. Only 40 hour trained personnel will operate equipment or perform any duty associated with this project. A hard hat and steel toed boots are mandatory for all personnel associated with the tank removal.

A FIRST AID KIT AND A 40 POUND BC FIRE EXTINGUISHER WILL BE AVAILABLE ON SITE.

EMERGENCY SERVICES ARE AVAILABLE BY DIALING 911 ON THE TELEPHONE LOCATED IN THE SITE MANAGER'S VEHICLE. THIS VEHICLE WILL BE ON SITE AT ALL TIMES.

E. PERSONAL PROTECTIVE CLOTHING

Based on evaluation of potential hazards, level "D" protective clothing has been designated as the appropriate protection for this project. The level of protective clothing will be upgraded if the organic vapor levels in the operator's breathing zone exceeds 5 ppm above background levels continuously for more than five minutes, or if any single reading exceeds 25 ppm. If this occurs then level C protection will be used. If the organic concentration in the operator's breathing zone exceed's 200 ppm for 5 minutes and/or the organic vapor concentration two feet above the excavation exceeds 1,000 ppm or 10% of the lower explosive limit, then the equipment will be shut down and the site evacuated. If organic vapor concentrations exceed 200 ppm and work continues then level B protection will be required.

"EPA Standard Operating Safety Guidelines" defines the levels of protective clothing as follows:

LEVEL A:

Fully encapsulating suit / SCBA / Hard hat / Steel toe boots / Safety gloves.

LEVEL B:

Splash resistant suit / SCBA / Hard Hat / Steel toe boots / Safety gloves.

LEVEL C:

Half face respirator / Hard hat / Safety glasses / Steel toe boots / Coveralls / Gloves.

LEVEL D:

Coveralls / Hardhat / Safety Glasses / Steel toe boots / Gloves.

If air purifying respirators are authorized, organic vapor w-filter is the appropriate canister for use with the involved substances and concentrations. A competent individual has determined that all criteria for using this type of respiratory protection have been met.

NO CHANGES TO THE SPECIFIED LEVELS OF PROTECTION SHALL BE MADE WITHOUT THE APPROVAL OF THE COMPANY SAFETY OFFICER, J. S. ANDERSON.

F. MONITORING INSTRUMENTS

The following environmental monitoring instruments shall be used on site at specified intervals.

Lower Explosive Limit (LEL) Meter that will also check the tank for Oxygen levels will be used to check the tank for removal and transportation.

G. EMERGENCY HOSPITAL

The closest hospital with an emergency room is:

HIGHLAND GENERAL HOSPITAL
Emergency

911

510-437-4397

DIRECTIONS FROM THE JOB SITE:

EXIT JOBSITE AND GO:

NORTH ON SAN LEANDRO STREET
LEFT (WEST) ON 42ND STREET
RIGHT (NORTH) ON I-880
EXIT AT 23RD AVE
LEFT ON E. 14TH STREET
RIGHT ON 14TH AVENUE
HOSPITAL LOCATED AT 1411 E. 31ST STREET

APPENDIX C

TRANSPORT AND DISPOSAL DOCUMENTS

38002500
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAL000176326100002		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
		3. Generator's Name and Mailing Address Steve BACCIOLO 8275 SAN LEANDRO ST. OAKLAND CA. 94611		A. State Manifest Document Number 98822560		B. State Generator's ID			
4. Generator's Phone 510-630-3173		5. Transporter 1 Company Name EXCO ENVIRONMENTAL SERVICES		6. US EPA ID Number CAL000170148		C. State Transporter's ID		D. Transporter's Phone 800-376-6028	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone			
9. Designated Facility Name and Site Address AVISO OIL 5000 ARCHER ST. AVISO CA. 95002		10. US EPA ID Number CAL0001617413		G. State Facility's ID		H. Facility's Phone (908) 956-3000			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		I. Waste Number	
		No. Type		Quantity		Wt/Vol		State EPA/Other	
a. NON-RCRA HAZARDOUS WASTE LIQUID		001 TT		00325 G		G		State 221 EPA/Other	
b.								State EPA/Other	
c.								State EPA/Other	
d.								State EPA/Other	
J. Additional Descriptions for Materials Listed Above USED WATER		K. Handling Codes for Wastes Listed Above		a. 01		b.			
15. Special Handling Instructions and Additional Information GLOVES EMERGENCY PHONE 800-376-6028		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.		If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name John Ormerod		Signature <i>[Signature]</i>		Month 06		Day 03		Year 1995	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name TIM LICHT		Signature <i>[Signature]</i>		Month 06		Day 03		Year 1995	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month		Day		Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name		Signature		Month		Day		Year	

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA L000011763216		Manifest Document No. 01589		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
		3. Generator's Name and Mailing Address STEVE BACCIOTTO MONTEREY MECHANICAL 9275 SAN LEANDRO STREET OAKLAND CALIFORNIA 94621						A. State Manifest Document Number 99169711			
4. Generator's Phone (510) 632-3173		5. Transporter 1 Company Name OCEANIC		6. US EPA ID Number CA 00002433555		C. State Transporter ID (Reserved)		D. Transporter's Phone (925) 687-1222			
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter ID (Reserved)		F. Transporter's Phone		G. State Facility ID CAD 009466392			
9. Designated Facility Name and Site Address 200 PARR BLVD RICHMOND CA 94804		10. US EPA ID Number CA 00009169392		H. Facility ID		I. Facility Name		J. Facility Phone			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) WASTE EMPTY STORAGE TANK Non-PCRA hazardous waste solid				12. Containers		13. Total		14. Unit			
				No.		Type		Quantity		Wt/Vol	
				001		TP		02000		=	
15. Special Handling Instructions and Additional Information Wear appropriate protective clothing when handling. SITE LOCATION 9275 SAN LEANDRO ST. OAKLAND, CA 94621 24 hour emergency telephone number (510) 632-3173 24 hour emergency contact: STEVE BACCIOTTO											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name 1 John Ormerod				Signature <i>John Ormerod</i>				Month Day Year 06 03 99			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Robert James Cox				Signature <i>Robert James Cox</i>				Month Day Year 06 03 99			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space											
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name DAVID SATO											
Signature DAE SATO				Month Day Year 06 04 99							

DO NOT WRITE BELOW THIS LINE.

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 29882

CUSTOMER

JOB NO. 5209159

ALL ENV.

FOR: ECOLOGY CONTROL IND. TANK NO. 26667

LOCATION: RICHMOND, CA DATE: 8/11/99 TIME: 11:55:21

TEST METHOD VISUAL GASTECH/1314 SMPN LAST PRODUCT UG

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 2,000 GALLON TANK CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1% ECOLOGY CONTROL INDUSTRIES
HERBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED,
AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY.
ECOLOGY CONTROL INDUSTRIES HAS THE APROPRIATE PERMITS FOR, AND HAS ACCEPTED
THE TANK SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

Dance Phummer
REPRESENTATIVE

TITLE

Dave [Signature]
INSPECTOR

APPENDIX D
ANALYTICAL DOCUMENTATION



McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
<http://www.mccampbell.com> E-mail: main@mccampbell.com

All Environmental, Inc. 901 Moraga Road, Suite C Lafayette, CA 94549	Client Project ID: #3166; Monterey Mechanical	Date Sampled: 06/03/99
		Date Received: 06/03/99
	Client Contact: John Ormerod	Date Extracted: 06/03/99
	Client P.O:	Date Analyzed: 06/03/99

06/10/99

Dear John:

Enclosed are:

- 1). the results of 6 samples from your #3166; **Monterey Mechanical** project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Edward Hamilton, Lab Director

QC REPORT FOR HYDROCARBON ANALYSES

Date: 06/03/99-06/04/99

Matrix: WATER

Analyte	Concentration (ug/L)			Amount Spiked	% Recovery		RPD
	Sample (#12230)	MS	MSD		MS	MSD	
TPH (gas)	0.0	101.9	104.7	100.0	101.9	104.7	2.7
Benzene	0.0	9.4	9.3	10.0	94.0	93.0	1.1
Toluene	0.0	9.6	9.5	10.0	96.0	95.0	1.0
Ethyl Benzene	0.0	9.9	9.8	10.0	99.0	98.0	1.0
Xylenes	0.0	29.8	29.4	30.0	99.3	98.0	1.4
TPH(diesel)	0.0	7527	7383	7500	100	98	1.9
TRPH (oil & grease)	0	29100	28600	23700	123	121	1.7

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

QC REPORT FOR HYDROCARBON ANALYSES

Date: 06/02/99-06/03/99

Matrix: SOIL

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		RPD
	Sample (#01963)	MS	MSD		MS	MSD	
TPH (gas)	0.000	2.018	1.968	2.03	99	97	2.5
Benzene	0.000	0.192	0.186	0.2	96	93	3.2
Toluene	0.000	0.198	0.196	0.2	99	98	1.0
Ethylbenzene	0.000	0.198	0.194	0.2	99	97	2.0
Xylenes	0.000	0.584	0.568	0.6	97	95	2.8
TPH(diesel)	0	304	288	300	101	96	5.4
TRPH (oil and grease)	0.0	27.8	27.8	23.7	117	117	0.0

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

QC REPORT FOR HYDROCARBON ANALYSES

Date: 06/04/99

Matrix: SOIL

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		
	Sample (#01963)	MS	MSD		MS	MSD	RPD
TPH (gas)	0.000	1.462	1.578	2.03	72	78	7.6
Benzene	0.000	0.198	0.196	0.2	99	98	1.0
Toluene	0.000	0.202	0.214	0.2	101	107	5.8
Ethylbenzene	0.000	0.202	0.202	0.2	101	101	0.0
Xylenes	0.000	0.608	0.606	0.6	101	101	0.3
TPH(diesel)	0	343	347	300	114	116	1.3
TRPH (oil and grease)	0.0	31.5	29.8	23.7	133	126	5.5

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

QC REPORT FOR ICP and/or AA METALS

Date: 06/04/99-06/05/99

Matrix: WATER

Extraction:

TTLC

Analyte	Concentration (mg/L)			Amount	% Recovery		RPD
	Sample	MS	MSD		MS	MSD	
Total Lead	0.00	4.98	5.00	5.00	100	100	0.4
Total Cadmium	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Chromium	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Nickel	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Zinc	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Copper	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Barium	N/A	N/A	N/A	N/A	N/A	N/A	N/A

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

QC REPORT FOR ICP and/or AA METALS

Date: 06/04/99-06/05/99

Matrix: SOIL

Extraction:

TTLIC

Analyte	Concentration (mg/kg, mg/L)			Amount Spiked	% Recovery		RPD
	Sample	MS	MSD		MS	MSD	
Total Lead	0.0	5.17	5.15	5.0	103	103	0.4
Total Cadmium	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Chromium	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Nickel	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Zinc	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Copper	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Organic Lead	N/A	N/A	N/A	N/A	N/A	N/A	N/A

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$



ALL ENVIRONMENTAL, INC.
Environmental Engineering & Construction

901 Moraga Road, Suite C
Lafayette, CA 94549
(925) 283-6000 Fax: (925) 283-6121

CHAIN OF CUSTODY

15434 Ar 34

TAT: RUSH / 24 hr / 48 hr / 5 day / other

PAGE / OF

AEI PROJECT MANAGER *John Ormerod*
PROJECT NAME *Monterey Mechanical*
PROJECT NUMBER *3166*
TOTAL # OF CONTAINERS *11*
RCVD. GOOD CONDITION/COLD Y N

SAMPLE ID	DATE	TIME	MATRIX	TPH(g)	BTEX	MTBE	TOTAL OIL & GREASE	VOLATILE HALOCARBONS	YOC's	SEMI-VOLATILE ORGANICS	TOTAL LEAD	LUFT 5 METALS	HOLD	# OF CONTAINERS
				SOIL: EPA 8150/8015M, 8020 WATER: EPA 5050/8015, 8020, 812	SOIL: EPA 8150/8015M, 8020 WATER: EPA 5050/8015, 8020, 812	SOIL: EPA 8150/8015M, 8020 WATER: EPA 5050/8015, 8020, 812	SOIL: EPA 8150/8015M, 8020 WATER: EPA 5050/8015, 8020, 812	SOIL: EPA 8150/8015M, 8020 WATER: EPA 5050/8015, 8020, 812	SOIL: EPA 8150/8015M, 8020 WATER: EPA 5050/8015, 8020, 812	SOIL: EPA 8150/8015M, 8020 WATER: EPA 5050/8015, 8020, 812	SOIL: EPA 8150/8015M, 8020 WATER: EPA 5050/8015, 8020, 812	SOIL: EPA 8150/8015M, 8020 WATER: EPA 5050/8015, 8020, 812		
AEI GW 5'	6/3/99	2:00pm	W	X							X			3
AEI STKP 1-4			S	X							X			4
AEI ES N-5'			S	X							X			1
AEI ES S-5'			S	X							X			1
AEI ES E-5'			S	X							X			1
AEI ES W-5'			S	X							X			1
														12534
														12535
														12536
														12537
														12538
														12539

ICEN
GOOD CONDITION
HEAD SPACE ABSENT
PRESERVATION APPROPRIATE
CONTAINERS

COMMENTS / INSTRUCTIONS
ANALYTICAL LABORATORY *McCampbell Analytical*
ADDRESS
PHONE () FAX ()

RELINQUISHED BY
John Ormerod
SIGNATURE
John Ormerod
PRINTED NAME
All Environmental
COMPANY
DATE *6/3/99* TIME *4:30*

RECEIVED BY
Jina A Butten
SIGNATURE
Jina A Butten
PRINTED NAME
MAI
COMPANY
DATE *6/3/99* TIME *4:30*

RELINQUISHED BY
SIGNATURE
PRINTED NAME
COMPANY
DATE TIME

RECEIVED BY
SIGNATURE
PRINTED NAME
COMPANY
DATE TIME