

ALL ENVIRONMENTAL, INC.

Environmental Engineering & Construction

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December 2, 1994

Jennifer Eberle
Alameda County Health
Services Department
1131 Harbor Bay Parkway
Suite 250
Alameda, CA 94502

Dear Jennifer:

Enclosed you will find the final report which documents the underground storage tank removal activities at 245 8th Street in Oakland, California. Copies of all laboratory analyses, hazardous waste manifests, permits and tank disposal documents are included in the report.

If you have any questions, please do not hesitate to contact me at (510) 820-3224.

Sincerely,
All Environmental, Inc.



Jennifer Anderson
Project Geologist

Corporate Headquarters:

2641 Crow Canyon Rd., #5
San Ramon, CA 94583
(510) 820-3224

Los Angeles Office:

5031 Pacific Coast Hwy., #178
Torrance, CA 90505
(310) 328-8878

2-6K4875.

**UNDERGROUND STORAGE TANK REMOVAL
AND INSTALLATION
FINAL REPORT
Vic's Automotive
245 8th Street
Oakland, CA 94607**

Prepared for:

**Victor Lum
245 8th Street
Oakland, CA 94607**

Prepared by:

**All Environmental, Inc.
2641 Crow Canyon Road, Suite 5
San Ramon, CA 94583**

November 28, 1994



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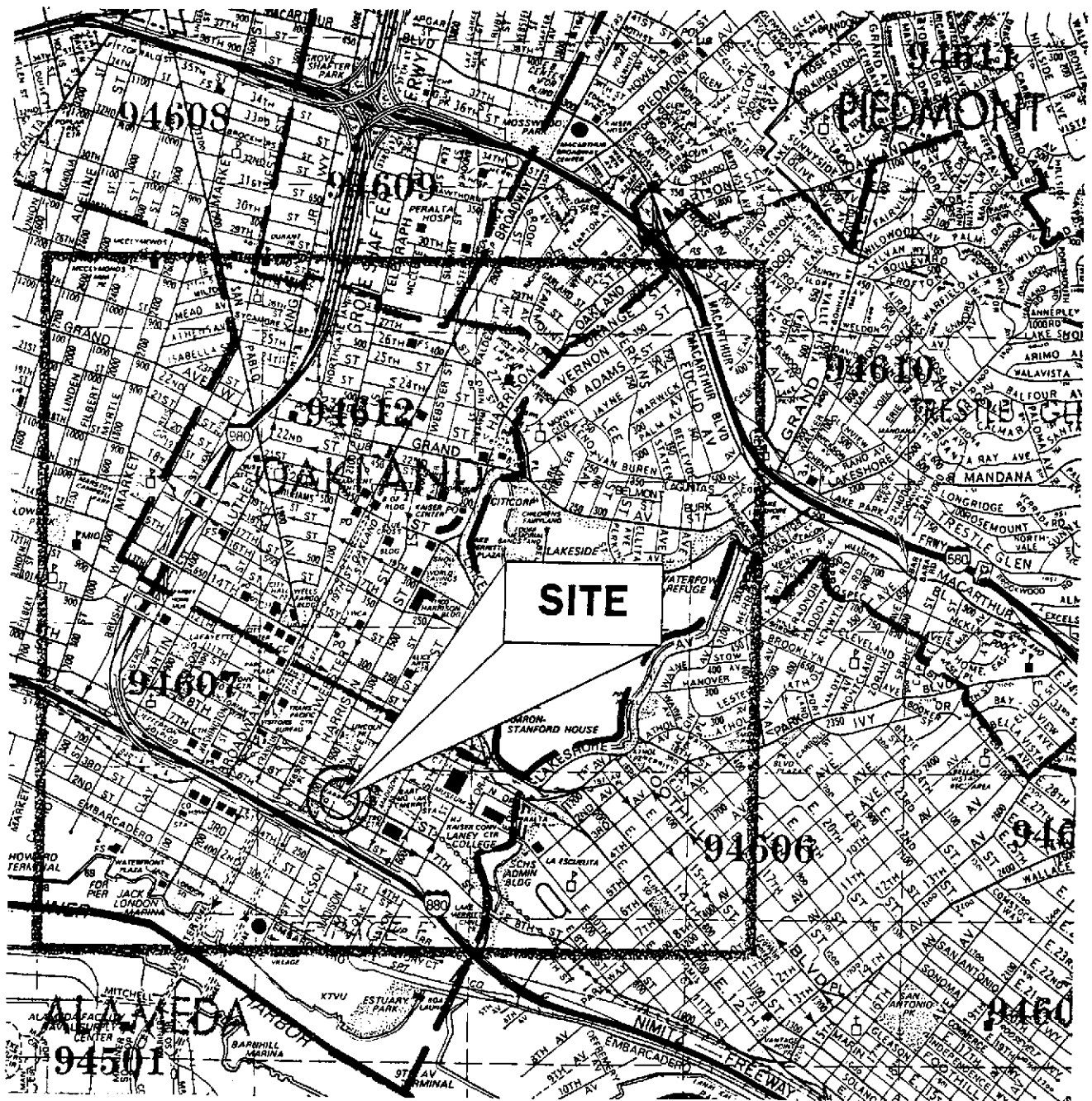
1.0 INTRODUCTION

All Environmental, Inc. (AEI) has prepared this final report to document the underground storage tank (UST) removals performed at 245 8th Street in Oakland, California (Figure 1: Site Location Map). There were two UST's on the property, a single wall steel 6,000 gallon gasoline tank and a single wall fiberglass gasoline tank, which were removed from the site. The two tanks were given the designations Tank A and Tank B. The tanks were located underground on the northwestern side of the property, perpendicular to Alice Street (Figure 2: Site Map). The two 6,000 gallon tanks were replaced by one 13,000 gallon, double walled, steel and fiberglass tank.

AEI was contracted to obtain all necessary permits, excavate to expose the tank, remove and dispose of residual liquids from the tank, remove and dispose of the tank, perform soil sampling and analyses, remove and dispose of contaminated soils if necessary, and backfill the excavation. Tank and dispenser installation was performed by ACRC Consultants of San Ramon.

2.0 PERMITS

An Underground Tank Closure Plan was approved by the Alameda County Health Care Services Agency (ACHCSA) on August 1, 1994. Project Specialist/Inspector Jennifer Eberle represented ACHCSA at the site. On August 9, 1994, Cal OSHA and the Bay Area Air Quality Management District were notified of the excavation plans. A City of Oakland tank removal permit was acquired from the Oakland Fire Prevention Bureau on August 18, 1994. Inspector Larry James represented the bureau at the site. The excavation areas were marked and the property owner was notified of the specific time plan. Copies of the permits and notification documents are located in Appendix A: Permits and Notification Documents.



SITE

ALL ENVIRONMENTAL, INC.

2641 CROW CANYON ROAD, SAN RAMON

SCALE: 1" = 1/4 MILE

APPROVED BY:

DRAWN BY: J.S. ANDERSON

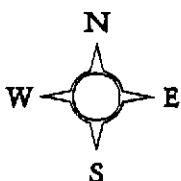
DATE: 6 SEPTEMBER 94

REVISED: J.S. ANDERSON

SITE LOCATION MAP

245 8TH STREET

DRAWING NUMBER:
FIGURE 1



FROM:
THOMAS BROS. MAPS
1994

ALICE STREET

SIDEWALK

TANK
A

TANK
B

1,000 GALLON FUEL
UNDERGROUND STORAGE TANKS
REMOVED JUNE 18, 1993

PROPERTY BOUNDARY

FENCE

245 8TH STREET

MECHANICS
SHOP

250 GALLON
WASTE OIL TANK
REMOVED JUNE 18, 1993

DISPENSER
ISLAND

SIDEWALK

8TH STREET

PARKING

PARKING

PROPERTY BOUNDARY

FENCE

ALL ENVIRONMENTAL, INC.

2641 CROW CANYON ROAD, SAN RAMON

SCALE: NOT TO SCALE

APPROVED BY:

DRAWN BY: J.S. ANDERSON

DATE: 6 SEPTEMBER 94

REVISED: J.S. ANDERSON

SITE MAP

245 8TH STREET

DRAWING NUMBER:

FIGURE 2



3.0 MOBILIZATION, EXCAVATION and REMOVAL

On August 23, 1994, the AEI work party was briefed and the Health and Safety Plan reviewed prior to the initiation of work. The Site Health and Safety Plan is located in Appendix B. Excavation of the tank pit was initiated and all excavated soil was stockpiled on plastic (Visqueen). Two stockpiles separated by Visqueen were created and designated Stockpile A and Stockpile B (STKP). Stockpile A originated from the excavation of Tank A and Stockpile B originated from the excavation of Tank B.

Waste Oil Recovery Systems, Inc. removed the residual liquids from the tanks with a vacuum truck. The vacuum truck transported the liquid, under uniform hazardous waste manifest, to the Demenno-Kerdoon facility located at 2000 N. Alameda in Compton, California, for disposal. A total of 500 gallons were removed from the tanks. The hazardous waste manifest for this liquid is located in Appendix C: Transport and Disposal Documents.

The tanks were further uncovered and readied for removal. The tanks were verified as being one single wall steel tank of 6,000 gallon capacity and one single wall fiberglass tank of 6,000 gallon capacity.

Fill and vent piping were disassembled and removed. Fill piping and various lines were disposed of with the tank. The tanks were inerted with a total of 600 pounds of dry ice. The Lower Explosive Limit (LEL) and oxygen content in the tanks was noted to be safe and the tanks were removed from the excavations at approximately 1:00 p.m. on August 23, 1994. Project Specialist/Inspector Jennifer Eberle of the ACHCSA and Inspector Larry James of the Oakland Fire Prevention Bureau witnessed the tank removal and loading operation. Copies of their reports are located in Appendix A.

The tanks were visually inspected prior to loading for transport and were noted as being in

OK-JE
good condition with no noticeable holes. The ~~tar wrap on top of the~~ 6,000 gallon steel tank (Tank A) was absent. The absence of the tar wrap was most likely the result of overfilling the tank during operation. OK-JE

The tanks were loaded onto an Erickson, Inc. truck and transported under hazardous waste manifest to the Erickson Disposal Facility at 255 Parr Boulevard in Richmond, California. There, the tanks were triple rinsed, cut, and scrapped. The hazardous waste manifest for the tank disposal is located in Appendix C: Transport and Disposal Documents. OK

4.0 SAMPLING and ANALYSES

A total of fourteen soil samples were analyzed from the tank removal activities. The excavator bucket was used to obtain native soil from one to two feet beneath the tank inverts. Two samples were taken from each excavation bottom and four samples were taken from each stockpile.

The soil beneath tank A was greenish gray sandy clay with a strong hydrocarbon odor and noticeable staining. Two samples were obtained from native soil, two feet beneath the tank invert. ^{at 14} Four soil samples were taken from the stockpile which, for analysis purposes, the laboratory compiled into one composite sample.

The soil beneath tank B was also greenish gray sandy clay. Moderate soil staining was visible on the excavation walls and the odor of hydrocarbons was much less pronounced than in the tank A excavation. Four soil samples were taken from the stockpile and individually analyzed to pinpoint the location of possible contamination.

The samples taken from the bottom of the excavations were designated EB and given three identifiers to show from which tank excavation (A, B), geographic location (N-North, S-

South), and depth (in feet) they were sampled. The samples taken from the stockpiled soil were designated STKP and given an identifying letter and number according to the tank and location from which they were sampled. Two samples were taken beneath each tank dispenser at approximately 4 feet below ground surface. All sample locations are indicated in Figure 3: Sample Location Map.

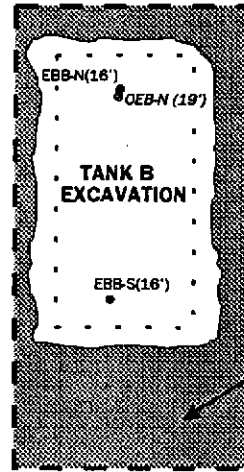
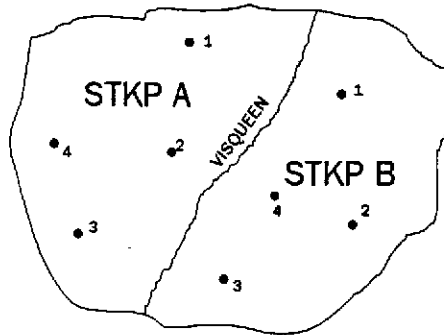
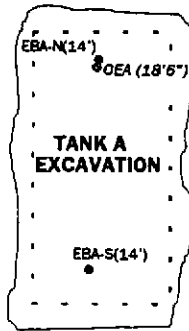
All soil samples were collected in stainless steel tubes which were driven into the soil until completely full, then sealed with aluminum foil, plastic caps, and tape. The secured sample tubes were placed into a cooler with ice. Chain of Custody documentation was initiated. The cooler and samples were brought to AEI offices and the samples were placed in a refrigerator. On August 23, 1994, the samples were picked up by Priority Environmental Labs personnel.

The samples were taken to Priority Environmental Labs (State Certification #1708) for chemical analysis. All soil samples were analyzed for Total Petroleum Hydrocarbons (TPH) as gasoline (EPA method 5030/8015), and Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) (EPA method 8020). Soil samples from the Tank A excavation and the dispenser samples were analyzed for Lead (EPA method 7420). The analyses are summarized on page 5 in table form.

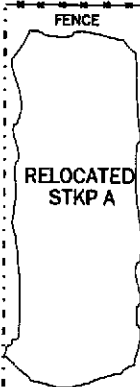
ALICE STREET

SIDEWALK

PROPERTY BOUNDARY

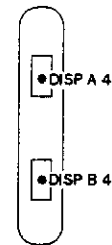


13,000 GALLON
GASOLINE UNDERGROUND
STORAGE TANK
INSTALLED 8/31/94



245 8TH STREET

MECHANICS SHOP



DISPENSER
ISLAND

SIDEWALK

8TH STREET

PARKING

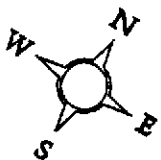
PARKING

PROPERTY BOUNDARY

FENCE

KEY:

- SOIL SAMPLE LOCATION
- VERIFICATION SOIL SAMPLE LOCATION



ALL ENVIRONMENTAL, INC.

2641 CROW CANYON ROAD, SAN RAMON

SCALE: NOT TO SCALE

APPROVED BY:

DRAWN BY: J.S. ANDERSON

DATE: 6 SEPTEMBER 94

REVISED: J.S. ANDERSON

SAMPLE LOCATION MAP

245 8TH STREET

DRAWING NUMBER:
FIGURE 3

Table 1: Soil Sample Analyses

8-23-94

~~100~~
initial samples

Sample I.D.	Gasoline (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethyl Benzene (ug/kg)	Total Xylenes (ug/kg)	Lead (mg/kg)
EBA-N(14')	140 ✓	520 ✓	510	370	1200	4.9 ✓
EBA-S(14')	160 ✓	820 ✓	870	570	1800	13 ✓
STKP A(1-4)*	3700 ✓	13000 ✓	14000	11000	34000	7.6 ✓
EBB-N(16')*	130 ✓	180 ✓	190	210	580	X
EBB-S(16')*	8.1 ✓	37 ✓	26	21	150	X
STKP B(1)	N.D. ✓	N.D. ✓	N.D.	5.9	20	X
STKP B(2)	2.1 ✓	N.D. ✓	56	31	160	X
STKP B(3)	1.8 ✓	N.D. ✓	15	12	100	X
STKP B(4)	N.D. ✓	N.D. ✓	5.4	7.5	40	X
DISP A 4'	N.D. ✓	N.D. ✓	N.D.	N.D.	N.D.	3.7 ✓
DISP B 4'	N.D. ✓	N.D. ✓	12	N.D.	55	4.0 ✓

(mg/kg) = ppm or parts per million

(ug/kg) = ppb or parts per billion

N.D. = Not Detected

X = Not Analyzed

* Compositated soil samples

* my notes said 14' bgs.

Copies of all analytical results and chain of custody are located in Appendix D: Sample Analytical Documentation.

On August 26, 1994, over-excavation of tank pit A and the northern portion of tank pit B was performed. A ~~dark brown/black liquid~~ was encountered at approximately 18 feet in the tank A excavation. The ~~same dark brown/black liquid~~ was encountered at approximately 19 feet in the tank B excavation. ~~Although the liquid was dark in color, it emitted the distinctive odor of gasoline product.~~

One verification sample was taken from each over-excavation. The samples were designated OE and given identifiers to indicate from which tank excavation (A, B) and depth (in feet) they were sampled. The over-excavation analyses are summarized below.

Table 2: Over-Excavation Soil Sample Analyses

Sample I.D.	Gasoline (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethyl Benzene (ug/kg)	Total Xylenes (ug/kg)	Lead (mg/kg)
OEA (18'6") ✓	3900 ✓	6100 ✓	6600	6400	16000	1.3 ✓
OEB-N(19') ^{16.5'} ✓	48 ✓	45 ✓	64	78	200	2.0 ✓

as per JE's notes

(mg/kg) = ppm or parts per million

(ug/kg) = ppb or parts per billion

N.D. = Not Detected

Copies of all analytical results and chain of custody are located in Appendix D: Sample Analytical Documentation.

On August 29, 1994, stockpiled soil from the tank A excavation was relocated to the western side of the building to await disposal at an appropriate landfill. Stockpiled soil from the tank B excavation was reused on-site to backfill the tank A excavation. The excavation was

backfilled in one foot lifts and compacted to approximately 90% compaction to prevent long term settling.

The tank B excavation was extended to accommodate the installation of a 12,000 gallon double wall, steel and fiberglass tank on August 31, 1994. The tank and dispensers were installed by ACRC Consultants of San Ramon.

5.0 DISCUSSION and CONCLUSIONS

Two 6,000-gallon underground gasoline storage tanks and associated piping were removed from the property at 245 8th Street in Oakland, California. The tanks were transported as hazardous waste to the Erickson Disposal Facility in Richmond, California where they were cleaned and disposed of as scrap metal.

The tanks were noted as being in good condition, although obvious signs of soil contamination were observed. Soil sample analyses revealed TPH-gasoline and BTEX contamination in the tank A excavation and the northern end of the tank B excavation. High concentrations of both TPH-gasoline and BTEX were found in the stockpiled soil from the tank A excavation. AEI recommends profiling this soil for disposal at an appropriate landfill.

AEI over-excavated soil from the bottom of the tank A excavation and the north end of the tank B excavation expecting to reach cleaner soil within a few feet. Instead, the contamination increased until highly contaminated ground water was encountered. It was apparent that further excavation of contaminated soil for replacement with clean fill would not be effective as the clean fill would be contaminated from the ground water. An integrated clean-up procedure such as soil vapor extraction and groundwater treatment is indicated. This was discussed with Ms. Eberle, Project Specialist from the ACHCSA who

approved backfilling the tank A excavation and installation of the new 13,000 gallon tank in the tank B excavation. She indicated the groundwater clean-up should be initiated shortly.

The tank A excavation was backfilled and compacted with soil from the Tank B excavation on August 29, 1994. A new 13,000 gallon underground storage tank and associated dispensers were installed in the tank B excavation on August 31, 1994 by ACRC Consultants.

6.0 REPORT LIMITATIONS

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 Environmental, Inc. warrants that 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.

Project Specialist (print) J. Eberle

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4320

ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH
210 Leelanau Street, 11th floor
Oakland, CA 94612
Telephone: (415) 874-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your plans in light of this Department's to assure compliance with State and local laws. The project proposed herein is now subject to the issuance of any required building permits for construction. One copy of these accepted plans must be available to all contractors and craftsmen during the removal.

Any change or alterations of any nature to these plans must be submitted to this Department for review and approval. Building Inspection Department. Any changes to these plans must meet the requirements of State and local laws. Notify this Department of any changes to these plans. Following required:

Signature of [Name] Secretary
Title: Secretary
Department: Hazardous Materials and Air Pollution Control

Issuance of a permit is subject to the applicant's compliance with acceptance plans and all applicable laws and regulations.

THERE IS A REQUIREMENT TO OBTAIN A PERMIT FROM THE DEPARTMENT OF ENVIRONMENTAL HEALTH.

*Eberle 8-1-94
must sample under dispenser & piping.*

UNDERGROUND TANK CLOSURE PLAN

*** Complete according to attached instructions ***

- Business Name VIC'S Automotive Services
Business Owner Vic Lum
 - Site Address 245 8th Street
City Oakland Zip 94607 Phone (510) 832-9014
 - Mailing Address 245 8th Street
City Oakland Zip 94607 Phone (510) 832-9014
 - Land Owner Vic Lum
Address 245 8th Street City, State Oakland, CA Zip 94607
 - Generator name under which tank will be manifested Vic Lum
- EPA I.D. No. under which tank will be manifested CAC000886936

6. Contractor All Environmental, Inc.
Address 2641 Crow Canyon Rd., Ste. 5
City San Ramon, CA 94583 Phone (510) 820-3224
License Type A w/ HAZ ID# 654919

7. Consultant All Environmental, Inc.
Address 2641 Crow Canyon Rd., Ste. 5
City San Ramon, CA 94583 Phone (510) 820-3224

8. Contact Person for Investigation
Name Craig Hertz Title Vice President
Phone (510) 820-3224

9. Number of tanks being closed under this plan 2
Length of piping being removed under this plan 40'
Total number of tanks at facility 2

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

** Underground tanks are hazardous waste and must be handled **
as hazardous waste

a) Product/Residual Sludge/Rinsate Transporter

Name Waste Oil Recovery EPA I.D. No. CAD000626515
Hauler License No. 843 License Exp. Date 7/30/94
Address 6401 Leona Street
City Oakland State CA Zip 94605

b) Product/Residual Sludge/Rinsate Disposal Site

Name Demeeno Kerdoon EPA I.D. No. CAT080013352
Address 2000 N. Alameda
City Compton State CA Zip _____

c) Tank and Piping Transporter

Name Erickson, Inc. EPA I.D. No. CAD009466392
Hauler License No. 019 License Exp. Date 7/95
Address 255 Parr Blvd
City Richmond State CA Zip 94801

d) Tank and Piping Disposal Site

Name Erickson, Inc. EPA I.D. No. CAD009466392
Address 255 Parr Blvd.
City Richmond State CA Zip 94801

11. Experienced Sample Collector

Name Craig Hertz
Company All Environmental, Inc.
Address 2641 Crow Canyon Rd., Ste.5
City San Ramon State CA Zip 94583 Phone (510) 820-3224

12. Laboratory

Name Priority Environmental Labs
Address 1764 Houret Ct.
City Milpitas State CA Zip 95035
State Certification No. 1708

13. Have tanks or pipes leaked in the past? Yes [] No [X]

If yes, describe. _____

14. Describe methods to be used for rendering tank inert

Add dry ice at thye rate of at least 1.5 lbs. per every
100 gallons of tank volume.

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be plugged.

The Bay Area Air Quality Management District (771-6000), along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of explosion proof combustibile gas meters to verify tank inertness. It is the contractor's responsibility to bring a working combustibile gas meter on site to verify tank inertness.

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
(2) 6,000	Automobile Fuel gasoline	Soil	2 samples taken at a depth of 2' below the tank invert. One sample from each end of each tank. One sample taken 2' below the center of the invert of the tank.

One soil sample must be collected for every 20 feet of piping that is removed. A ground water sample must be collected should any ground water be present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated) 200 yards	Sampling Plan Sixteen composited samples taken by driving a brass tube into the soil using a wooden mallet. Samples will be secured using aluminum foil, teflon caps and duct tape. Samples will be transported under Chain of Custody to a state certified laboratory.

1 per 20yd³ if reused onsite

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

16. Chemical methods and associated detection limits to be used for analyzing samples

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
TPH-gas	5030	8015	1 ppm
BTEX		8020	5 ppb
Total Lead		AA	0.5 ppm

17. Submit Site Health and Safety Plan (See Instructions)

18. Submit Worker's Compensation Certificate copy

Name of Insurer State Fund

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery. The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true.

I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor

Name (please type) All Environmental, Inc. Craig Hertz

Signature Craig Hertz

Date 7/12/94

Signature of Site Owner or Operator

Name (please type) Victor Lum

Signature Craig Hertz agent for the owner

Date 7/12/94

ALL ENVIRONMENTAL, INC.

Environmental Engineering & Construction

HEALTH AND SAFETY PLAN

Prepared for:

Victor Lum
245 8th Street
Oakland, CA 94607

A. INTRODUCTION

This Site Specific Health and Safety Plan is written for the tank removal project located at the residential property, owned by Victor Lum. All job site personnel will follow CAL OSHA safe operating practices as outlined in 29 CFR 1910 and 1926, as well as established guidelines set forth by All Environmental, Inc. or their respective companies.

B. WORK DESCRIPTION

Prepared by: Jennifer Anderson, Project Manager

Site Manager: Dusty Roy

Start Date: July 18, 1994

Address: 245 8th Street
Oakland, CA 94607

Scope of Work: All Environmental, Inc. (AEI) will remove two 6,000 gallon underground storage tank at the property located at the above address. The tank will be emptied, removed and disposed of according to federal, state and local regulations. Soil samples will be taken from the native material, two feet below the center of the tank, and from the stockpiled material. The excavation will be backfilled and resurfaced to match the surrounding conditions.

C. SITE/WASTE CHARACTERISTICS

Hazard Level:	Serious:	Low: XXX
	Moderate: XXX	Unknown:

Waste Type:	Solid:	Underground Storage Tank
	Sludge:	None
	Liquid:	Remaining Product Inside Tank
	Gas:	None

Hazard Characteristics: Combustible, Toxic

There will be a three feet boundary surrounding the excavation pit and the stockpiled material. The area within this boundary is considered an exclusion zone and only qualified personnel will be allowed to enter. All personnel arriving or departing the site should log in before entering the exclusion zone. All activities on site must be cleared through the Project Manager.

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 in gasoline or diesel fuel.

1. Benzene

- a. Colorless to light yellow, flammable liquid with an aromatic odor.
- b. Exposure may irritate eyes, nose and respiratory system and may cause acute restlessness, convulsions, nausea, or depression
- c. 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. Exposure may cause fatigue, weakness, confusion, euphoria, dizziness, headaches, dilated pupils, lacrimation, nervousness, insomnia, paresthesia, and dermatitis.
- c. Permissible exposure level for a time weighted average over an ten hour period is 100 ppm.

3. Xylene

- a. Colorless liquid with an aromatic odor.
- b. Exposure may irritate eyes nose and throat and may cause dizziness, excitement, drowsiness, incoordination, corneal vacuolization, anorexia, nausea, vomiting, and dermatitis.
- c. Permissible exposure level for a time weighted average over a ten hour period is 100 ppm.

4. Ethylbenzene

- a. Colorless liquid with an aromatic odor.
- b. Exposure may irritate eyes and mucous membrane and may cause headaches, dermatitis, narcosis and loss of consciousness.
- c. Permissible exposure level for a time weighted average over a ten hour period is 100 ppm.

5. Lead

- a. A heavy ductile soft grey metal.
- b. Exposure may cause weakness, nausea, lassitude, diarrhea, insomnia, anorexia, inflamed mucous membranes and abdominal pains. Lead is carcinogenic.
- c. Permissible exposure level for a time weighted average over an eight hour period is .05 ppb.

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 and no one shall climb on the stockpiled material. 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 / Hard hat / 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 SITE SAFETY OFFICER.

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 transportation.

G. EMERGENCY HOSPITAL

The closest hospital with an emergency room is:

HIGHLAND HOSPITAL (510) 437-4555

DIRECTIONS FROM THE JOB SITE:

EXIT JOBSITE AND GO:

SOUTH ON ALICE STREET
LEFT ON 7TH STREET
LEFT ON 14TH STREET
LEFT ON EAST 31ST STREET
LEFT INTO HIGHLAND HOSPITAL

ACORD. CERTIFICATE OF INSURANCE

11-15-93

PRODUCER
 Bentwood Surplus Lines Agency
 15851 Dallas Pky #865
 Dallas, Tx 75248

A.H. Smith Co. (707)255-2111

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGE

COMPANY A	Credit General Insurance Company
COMPANY B	
COMPANY C	
COMPANY D	

INSURED
 All Environmental, Inc.
 596 Indian Home Rd.
 Danville, CA 94526

COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input checked="" type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR OWNER'S & CONT PROT <input checked="" type="checkbox"/> professional liability <input checked="" type="checkbox"/> pollution liability	EOC800-353-00	11-02-93	11-02-94	GENERAL AGGREGATE \$ 1,000,000 PRODUCTS-COMP/OP AGG \$ 1,000,000 PERSONAL & ADV INJURY \$ 1,000,000 EACH OCCURRENCE \$ 1,000,000 FIRE DAMAGE (Any one fire) \$ 50,000 MED EXP (Any one person) \$ 5,000
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS				COMBINED SINGLE LIMIT \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE \$
	GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY: EACH ACCIDENT \$ AGGREGATE \$
	EXCESS LIABILITY <input type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM				EACH OCCURRENCE \$ AGGREGATE \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY THE PROPRIETOR/PARTNERS/EXECUTIVE OFFICERS ARE: <input type="checkbox"/> INCL <input type="checkbox"/> EXCU				STATUTORY LIMITS EACH ACCIDENT \$ DISEASE - POLICY LIMIT \$ DISEASE - EACH EMPLOYEE \$

OTHER
 The certificate holder is added as additional insured, but only as respects to work performed by the insured. This endorsement does not include professional liability.

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

CERTIFICATE HOLDER

Stacy Ambersand Witbeck/Dillingham
 P.O. Box 883063
 San Francisco, CA 94188-3063

CANCELLATION:

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE



8 TH STREET

DISPENSER
ISLAND

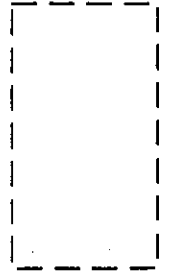


FENCE

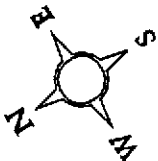
GARAGE
AND
OFFICE

FENCE

2 - 6,000 GALLON
UNDERGROUND
STORAGE TANKS



ALICE STREET



ALL ENVIRONMENTAL, INC.
2641 CROW CANYON ROAD, SAN RAMON

SCALE: NOT TO SCALE

APPROVED BY:

DRAWN BY: J.S. ANDERSON

DATE: 11 JUNE 94

REVISED: J.S. ANDERSON

SITE MAP

VIC'S AUTOMOTIVE

DRAWING NUMBER:
FIGURE 1

Excavation Permit Granted _____ No. _____

CITY OF OAKLAND

Tank Permit

Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks. No. 9841

Oakland, California, August 12, 19 94

PERMISSION IS HEREBY GRANTED TO ~~XXXXXX~~ remove ~~xxxxx~~ Gasoline tank and excavate commencing _____ feet inside inside line

on the _____ side of _____ Street Avenue _____ feet _____ of _____ Street Avenue

House No. 245 - 8th Street Street Avenue Present Storage _____

Owner Vic Lum Address 245 - 8th Street Phone 832-9014

Applicant All Environmental Address 2641 Crow Canyon San Ramon 94583 Phone 820-3224

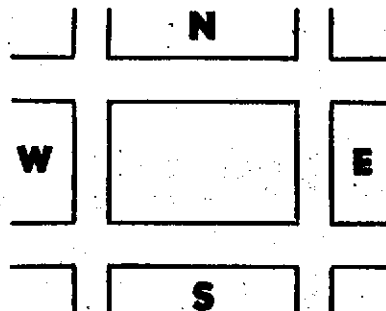
Dimensions of street (sidewalk) surface to be disturbed X Number of Tanks 2 Capacity 6,000 Gallons, each.

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.

Approved _____ Fire Marshal

Approved _____ Drainage Division Engineering Dept.



EXCAVATING PERMIT

Issued in accordance with Ord. No. 278 CMS, Sec. 6-2.04

_____ square feet of digging or removal granted.

The receipt of \$ _____ special deposit is hereby acknowledged.

GENERAL DEPOSIT.

BUREAU OF PERMITS AND LICENSES.

CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Inspected and passed on _____ 19 _____

By _____ Fire Marshal

Inspection Fee Paid - - - - - \$ 200.00 ck#2672 rec#705263

Received by D. Clemons

FIRE PREVENTION BUREAU

NOTICE

Before Covering Tanks, Above Certificate Must Be Signed.

When ready for inspection notify Fire Prevention Bureau, 273-3851

THIS PERMIT MUST BE LEFT ON THE WORK AS AUTHORITY THEREFOR.

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 ALAMEDA DOSH DISTRICT OFFICE ON 8/9/94
DOSH FAX NO. (510) 568 7092 BY JENNIFER ANDERSON

Company Name: ALL ENVIRONMENTAL, INC. Field Phone: (510) 3286259
Annual Permit Number: 560203 Office Phone: (510) 8203224
Issuing Region: SACRAMENTO Issuing District: CONCORD
Specific Activity Location: 254 8TH STREET Number of Employees: 3
Nearest Major Cross Street: _____ Starting Date: 8/15/94
City: OAKLAND Anticipated Completion Date: 8/15/94
County: ALAMEDA High Voltage Lines in Proximity? No X Yes _____

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 ~~10-11'~~ Maximum Span ~~36'~~ Material _____
Description: _____
(See 8 CCR 1717)

Trenches/Excavations: Depth Range (Min/Max) 10-11' Width Range (Min/Max) 5-6' Total Length 18'
Ground Protection Method: Shoring _____ Sloping X Trench Shield _____ Professional Engineer _____
Underground Services Alert (USA) Number N/A (NORTH 1-800-642-2444/SOUTH 1-800-422-4133)
Soil Analysis to be done? Yes X 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: TANK REMOVAL

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: Jennifer Anderson
Title: Project Manager Date: 8/9/94



BAY AREA AIR QUALITY MANAGEMENT DISTRICT

939 ELLIS STREET
SAN FRANCISCO, CALIFORNIA 94109
(415) 771-6000
(415) 928 0338

REGULATION 8, RULE 40
Aeration of Contaminated Soil and
Removal of Underground Storage Tanks

NOTIFICATION FORM

Removal or Replacement of Tanks
 Excavation of Contaminated Soil

SITE INFORMATION

SITE ADDRESS 254 8TH STREET
 CITY, STATE OAKLAND, CA ZIP 94607
 OWNER NAME VICTOR LUM
 SPECIFIC LOCATION OF PROJECT ADJACENT TO ALICE STREET

<p><u>TANK REMOVAL</u></p> <p>SCHEDULED STARTUP DATE <u>8/15/94</u></p> <p>VAPORS REMOVED BY:</p> <p><input type="checkbox"/> WATER WASH</p> <p><input checked="" type="checkbox"/> VAPOR FREEING (CO²)</p> <p><input type="checkbox"/> VENTILATION</p>	<p><u>CONTAMINATED SOIL EXCAVATION</u></p> <p>SCHEDULED STARTUP DATE <u>8/15/94</u></p> <p>STOCKPILES WILL BE COVERED? YES <input type="checkbox"/> NO <input type="checkbox"/></p> <p>ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):</p> <p>_____</p> <p>(MAY REQUIRE PERMIT)</p>
--	---

CONTRACTOR INFORMATION

NAME ALL ENVIRONMENTAL, INC. CONTACT JENNIFER ANDERSON
 ADDRESS 2641 CROW CANYON RD PHONE (510) 820 3224
 CITY, STATE, ZIP SAN RAMON, CA 94583

CONSULTANT INFORMATION (IF APPLICABLE)

NAME SAME CONTACT _____
 ADDRESS _____ PHONE () _____
 CITY, STATE, ZIP _____

FOR OFFICE USE ONLY

DATE RECEIVED FAX _____	BY _____	
	(init.)	
DATE POSTMARKED _____	BY _____	
	(init.)	
CC: INSPECTOR NO. _____	DATE _____	BY _____
		(init.)
UPDATE: CONTACT NAME _____	DATE _____	BY _____
		(init.)
BAAQMD N # _____	DATA ENTRY _____	

• See reverse for instructions

Acknowledgment

REGULATION 6, TITLE 4
Aeration of Contaminated Soil and
Removal of Underground Storage Tanks

NOTIFICATION FORM

Removal or Replacement of Tanks
 Excavation of Contaminated Soil

Kendall

Bay Area Air Quality Management District
acknowledges receipt of your Tank
Removal/Contaminated Soil Excavation
Notification Form received on

8/10/94 *Bly*

FORMATION

_____ ZIP 94607

ALICE STREET

CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE ~~8/10/94~~

KPILES WILL BE COVERED? YES NO

INATIVE METHOD OF AERATION (DESCRIBE BELOW):

(MAY REQUIRE PERMIT)

R INFORMATION

CONTACT JENNIFER ANDERSON

PHONE (570) 870 3224

4583

CONSULTANT INFORMATION
(IF APPLICABLE)

NAME SAME CONTACT _____

ADDRESS _____ PHONE () _____

CITY, STATE, ZIP _____

FOR OFFICE USE ONLY

DATE RECEIVED FAX 8/10/94 BY *Bly* (init.) _____

DATE POSTMARKED _____ BY _____ (init.) _____

CC: INSPECTOR NO. 450 DATE 8/10/94 BY *Bly* (init.) _____

UPDATE: CONTACT NAME _____ DATE _____ BY _____ (init.) _____

BAAQMD N # _____ DATA ENTRY 8/10/94

• See reverse for instructions

CITY OF OAKLAND
REPORT OF FIRE INSPECTION

ENGINE CO.

ADDRESS 245- 8TH ST F.P.B

NAME _____

GENERAL INSPECTION PERMIT OTHER HAZARD NOTED HAZARD ABATED

NOTICE LEFT LETTER 1st NOTICE 2nd NOTICE FINAL

DATE	VIOLATION	O.F.C.	CONTACTED
8/23/94	UNDERGROUND TANK REMOVAL		
	(1) 6,000 GAL Fiber 9145 OXY 8%		
	(2) 6,000 GAL Fiber Steel LEL 2%		
	→ LEL 4%		
	OK TO REMOVE OXY 4%		

A REINSPECTION WILL BE MADE WITHIN _____ DAYS.

FIRE PREVENTION BUREAU - PHONE 273-3851

INSPECTOR [Signature]

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
 Oakland, CA 94621
 (415) 271-4320

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name Vic's Auto Repair Today's Date 8/23/94

Site Address 245-8th St

City Oakland Zip 94607 Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks removal of 2 6K gasolin USTs.

Callf. Administration Code (CAC) or the Health & Safety Code (HS&C)

- II.A BUSINESS PLANS (Title 19)
- 1. Immediate Reporting 2703
 - 2. Bus. Plan Stds. 25503(b)
 - 3. RR Cars > 30 days 25503.7
 - 4. Inventory Information 25504(a)
 - 5. Inventory Complete 2730
 - 6. Emergency Response 25504(b)
 - 7. Training 25504(c)
 - 8. Deficiency 25505(a)
 - 9. Modification 25505(b)

- II.B ACUTELY HAZ. MAT'L S
- 10. Registration Form Filed 25533(a)
 - 11. Form Complete 25533(b)
 - 12. RMPP Contents 25534(c)
 - 13. Implement Sch. Req'd? (Y/N)
 - 14. OnSite Conseq. Assess. 25524(c)
 - 15. Probable Risk Assessment 25534(d)
 - 16. Persons Responsible 25534(g)
 - 17. Certification 25534(f)
 - 18. Exemption Request? (Y/N) 25536(b)
 - 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

- General
- 1. Permit Application 25284 (H&S)
 - 2. Pipeline Leak Detection 25292 (H&S)
 - 3. Records Maintenance 2712
 - 4. Release Report 2651
 - 5. Closure Plans 2670

- Monitoring for Existing Tanks
- 6. Method tank A
 - 1) Monthly Test
 - 2) Daily Vadose Semi-annual groundwater One time soils
 - 3) Daily Vadose Annual tank test One time soils
 - 4) Monthly Groundwater Annual tank testing Cont pipe leak det Vadose/gndwater mon
 - 5) Daily Inventory Annual tank testing Cont pipe leak det
 - 6) Daily Inventory Annual tank testing Cont pipe leak det
 - 7) Weekly Tank Gauge Annual tank testing
 - 8) Annual Tank Testing Daily Inventory
 - 9) Other _____

- 7. Precip Tank Test 2643
 - Date: _____
- 8. Inventory Rec. 2644
- 9. Soil Testing 2646
- 10. Ground Water. 2647

- New Tanks
- 11. Monitor Plan 2632
 - 12. Access, Secure 2634
 - 13. Plans Submit 2711
 - Date: _____
 - 14. As Built 2635
 - Date: _____

12:55 arrived, onsite. Larry James of Donsite Comments:
 Dusty of AEI said the soil surrounding Tank A appears contaminated. Tank A removed 1:08 by Subcontractor Joe Madison. Tank A ~~is~~ has tar-wrap partially on, is sgl-wall steel; tar-wrap is absent on the half of the tank w/the fill end. No obvious holes in UST. Bottom of tank at 12' bgs. 1:30 Took 2 soil samples 1m below tank A at ~14' bgs. Both samples were stained green; ^{strong} HC odor. Dusty said no apparent contain^{ment} at Tank B. Removal of tank B: sgl-wall, fiberglass w/no obvious holes (or tar wrap). USTs ^{removed} hauled by Erickson (manifest # 93235912). Vic Lubin said Arco installed the USTs in ~1972 (tank A in ~1962). He wants to install a new UST in the pit for tank B. 2:30 took 2 soil samples 1m below UST at ~14' bgs. Samples had a slight odor (HC?), + were stained. Analyze tank A for total Pb. The soil stockpile is divided by tank pit (~75 yd³ each). We'll take 4 samples 1m each portion; the tank A portion will be composited, + the tank B portion will be analyzed individually (4 samples). II, III

by tank pit (~75 yd³ each). A portion will be composited, + the tank B portion will be analyzed individually (4 samples).

Contact: 3:05 left site
 Title: _____
 Signature: Dusty Roy

Inspector: Jennifer Eberle
 Signature: J Eberle

II, III

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Inspection Form

p.1 of 2

II, III

ACRC 17-4032
Jett Orwig

Site ID # _____ Site Name Vic's Automotive Today's Date 8/26/94

II.A BUSINESS PLANS (Title 19)

- ___ 1. Immediate Reporting 25703
- ___ 2. Bus. Plan Stas. 25503(b)
- ___ 3. RR Cars > 30 days 25503.7
- ___ 4. Inventory Information 25504(a)
- ___ 5. Inventory Complete 2730
- ___ 6. Emergency Response 25504(b)
- ___ 7. Training 25504(c)
- ___ 8. Deficiency 25505(a)
- ___ 9. Modification 25505(b)

Site Address 245-8th ST

City Oakland Zip 94607 Phone _____

___ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- ___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ___ II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks overex + resample

II.B ACUTELY HAZ. MATLS

- ___ 10. Registration Form Filed 25533(a)
- ___ 11. Form Complete 25533(b)
- ___ 12. RMPP Contents 25534(c)
- ___ 13. Implement Sch. Req'd? (Y/N)
- ___ 14. OnSite Conseq. Assess. 25524(c)
- ___ 15. Probable Risk Assessment 25534(d)
- ___ 16. Persons Responsible 25534(g)
- ___ 17. Certification 25534(f)
- ___ 18. Exemption Request? (Y/N) 25536(b)
- ___ 19. Trade Secret Requested? 25538

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

III. UNDERGROUND TANKS (Title 23)

- General
 - ___ 1. Permit Application 25284 (H&S)
 - ___ 2. Pipeline Leak Detection 25292 (H&S)
 - ___ 3. Records Maintenance 2712
 - ___ 4. Release Report 2651
 - ___ 5. Closure Plans 2670
- Monitoring for Existing Tanks
 - ___ 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose Semi-annual groundwater One time soil
 - 3) Daily Vadose Annual tank test One time soil
 - 4) Monthly Groundwater Annual tank testing Cont pipe leak det Vadose/gndwater mon.
 - 5) Daily Inventory Annual tank testing Cont pipe leak det
 - 7) Weekly Tank Gauges Annual tank testing
 - 8) Annual Tank Testing Daily Inventory
 - 9) Other _____
- New Tanks
 - ___ 7. Precip Tank Test Date: 2643
 - ___ 8. Inventory Rec. 2644
 - ___ 9. Soil Testing. 2646
 - ___ 10. Ground Water. 2647
 - ___ 11. Monitor Plan 2632
 - ___ 12. Access. Secure 2634
 - ___ 13. Plans Submit Date: 2711
 - ___ 14. As Built Date: 2635

8:05 arrived onsite.
 Comments:
 Dusty plans to put the dirty stockpile ("A") behind the bldg. + to reuse SP "B." We're waiting for a loader to arrive to move the SP. 8:30 loader arrived. Not ready to samp.
 8:52 left site
 11:40 Arrived onsite. Tank A is excavated to ~18'. A small amt of liquid is seeping into the bottom at ~18'. This liquid is black in color, but the soil at 18' smells like gasoline. 11:55 sampled soil from bottom center at ~18.5' (strong gasoline odor). We collected a sample of the liquid in a plastic cup. Even though it's dark brown/black in color, it smells like gasoline product. Since the excavation is U-shaped, we can only get 1 bottom sample from tank A. Dusty showed me lead results (all < X10 SIZC) + dispensing results (ND).

II, III

Contact: _____
 Title: AEL
 Signature: Dusty Roy

Inspector: Jennifer Eberle
 Signature: J Eberle

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
 Oakland, CA 94621
 (415) 271-4320

Hazardous Materials Inspection Form

p.2 of 2

II, III

Site ID # _____ Site Name Vic's Automotive Today Date 8/26/94

II.A BUSINESS PLANS (Title 19)

- ___ 1. Immediate Reporting 2703
- ___ 2. Bus. Plan Stds. 25503(b)
- ___ 3. RR Cars > 30 days 25503.7
- ___ 4. Inventory Information 25504(a)
- ___ 5. Inventory Complete 2730
- ___ 6. Emergency Response 25504(b)
- ___ 7. Training 25504(c)
- ___ 8. Deficiency 25505(a)
- ___ 9. Modification 25505(b)

Site Address 245-8th St.
 City Oakland Zip 94607 Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.? Send Jennifer revised copy of 1st report

Inspection Categories:
 ___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
 ___ II. Business Plans, Acute Hazardous Materials
 III. Underground Tanks

II.B ACUTELY HAZ. MAT'L'S

- ___ 10. Registration Form Filed 25533(a)
- ___ 11. Form Complete 25533(b)
- ___ 12. RMPP Contents 25534(c)
- ___ 13. Implement Sch. Req'd? (Y/N)
- ___ 14. OHSite Conseq. Assess. 25524(c)
- ___ 15. Probable Risk Assessment 25534(d)
- ___ 16. Persons Responsible 25534(g)
- ___ 17. Certification 25534(f)
- ___ 18. Exemption Request? (Y/N) 25536(b)
- ___ 19. Trade Secret Requested? 25538

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

III. UNDERGROUND TANKS (Title 23)

- General**
- ___ 1. Permit Application 25284 (H&S)
- ___ 2. Pipeline Leak Detection 25292 (H&S)
- ___ 3. Records Maintenance 2712
- ___ 4. Release Report 2670
- ___ 5. Closure Plans 2670
- ___ 6. Method
- 1) Monthly Test
- 2) Daily Vadose
- Semi-annual groundwater
- One time soils
- 3) Daily Vadose
- One time soils
- Annual tank test
- 4) Monthly Groundwater
- One time soils
- 5) Daily Inventory
- Annual tank testing
- Cont pipe leak det
- Vadose/groundwater mon.
- 6) Daily Inventory
- Annual tank testing
- Cont pipe leak det
- 7) Weekly Tank Gauge
- Annual tank testing
- 8) Annual Tank Testing
- Daily inventory
- 9) Other _____
- ___ 7. Precs Tank Test 2643
- Date: _____
- ___ 8. Inventory Rec. 2644
- ___ 9. Soil Testing . 2646
- ___ 10. Ground Water. 2647
- New Tanks**
- ___ 11. Monitor Plan 2632
- ___ 12. Access. Secure 2634
- ___ 13. Plans Submit 2711
- Date: _____
- ___ 14. As Built 2635
- Date: _____

Comments: (OEB)
 11:30 Sampled soil from Tank B at ~16.5' from North end. Soil is sandy + has UHC odor. 11:33 Guy Roy + Jennifer Under-
 sen arrived. Excavated Tank B further
 11:45 Vic Lum arrived - 12:05 observed some black/brown liquid entering tank B pit N end at ~19' bgs. ~~It~~ It looks like the same gasoline product that was in tank H pit. Dusty + Joe M. said tank A had no over spill protection. Tank installation will be delayed until next week. AEI will cover the FP in tank A w/the SP. Took photo of tank A pit.
 12:30 left site
 This site obviously needs remediation. We're backfilling pits for now + then will do some in situ remediation.

Rev 6/88

Contact: _____
 Title: _____
 Signature: Dusty Roy

Inspector: Jennifer Eberle
 Signature: J Eberle

II, III

ALL ENVIRONMENTAL, INC.

Environmental Engineering & Construction

HEALTH AND SAFETY PLAN

Prepared for:

Victor Lum
245 8th Street
Oakland, CA 94607

Corporate Headquarters:

2641 Crow Canyon Rd., #5
San Ramon, CA 94583
(510) 820-3224

Los Angeles Office:

5031 Pacific Coast Hwy., #178
Torrance, CA 90505
(310) 328-8878

A. INTRODUCTION

This Site Specific Health and Safety Plan is written for the tank removal project located at the property owned by Victor Lum. All job site personnel will follow CAL OSHA safe operating practices as outlined in 29 CFR 1910 and 1926, as well as established guidelines set forth by All Environmental, Inc. or their respective companies.

B. WORK DESCRIPTION

Prepared by: Jennifer Anderson, Project Manager

Site Manager: Dusty Roy

Start Date: July 22, 1994

Address: 245 8th Street
Oakland, CA 94607

Scope of Work: All Environmental, Inc. (AEI) will remove two 6,000 gallon underground storage tank at the property located at the above address. The tank will be emptied, removed and disposed of according to federal, state and local regulations. Soil samples will be taken from the native material, two feet below the center of the tank, and from the stockpiled material. The excavation will be backfilled and resurfaced to match the surrounding conditions.

C. SITE/WASTE CHARACTERISTICS

Hazard Level: Serious: Low: XXX
 Moderate: XXX Unknown:

Waste Type: Solid: Underground Storage Tank
 Sludge: None
 Liquid: Remaining Product Inside Tank
 Gas: None

Hazard Characteristics: Combustible, Toxic

There will be a three feet boundary surrounding the excavation pit and the stockpiled material. The area within this boundary is considered an exclusion zone and only qualified personnel will be allowed to enter. All personnel arriving or departing the site should log in before entering the exclusion zone. All activities on site must be cleared through the Project Manager.

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 in gasoline or diesel fuel.

1. Benzene

- a. Colorless to light yellow, flammable liquid with an aromatic odor.
- b. Exposure may irritate eyes, nose and respiratory system and may cause acute restlessness, convulsions, nausea, or depression
- c. 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. Exposure may cause fatigue, weakness, confusion, euphoria, dizziness, headaches, dilated pupils, lacrimation, nervousness, insomnia, paresthesia, and dermatitis.
- c. Permissible exposure level for a time weighted average over an ten hour period is 100 ppm.

3. Xylene

- a. Colorless liquid with an aromatic odor.
- b. Exposure may irritate eyes nose and throat and may cause dizziness, excitement, drowsiness, incoordination, corneal vacuolization, anorexia, nausea, vomiting, and dermatitis.
- c. Permissible exposure level for a time weighted average over a ten hour period is 100 ppm.

4. Ethylbenzene

- a. Colorless liquid with an aromatic odor.
- b. Exposure may irritate eyes and mucous membrane and may cause headaches, dermatitis, narcosis and loss of consciousness.
- c. Permissible exposure level for a time weighted average over a ten hour period is 100 ppm.

5. Lead

- a. A heavy ductile soft grey metal.
- b. Exposure may cause weakness, nausea, lassitude, diarrhea, insomnia, anorexia, inflamed mucous membranes and abdominal pains. Lead is carcinogenic.
- c. Permissible exposure level for a time weighted average over an eight hour period is .05 ppb.

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 feet 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 and no one shall climb on the stockpiled material. 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 / Hard hat / 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 SITE SAFETY OFFICER.

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 transportation.

G. EMERGENCY HOSPITAL

The closest hospital with an emergency room is:

HIGHLAND HOSPITAL (510) 437-4555

DIRECTIONS FROM THE JOB SITE:

EXIT JOBSITE AND GO:

SOUTH ON ALICE STREET
LEFT ON 7TH STREET
LEFT ON 14TH STREET
LEFT ON EAST 31ST STREET
LEFT INTO HIGHLAND HOSPITAL

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. CAC00088693640372	Manifest Document No. 372	2. Page 1 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address VICTOR LUM 832 9014 245 8th STREET OAKLAND CALIF 94607		92740372			
4. Generator's Phone ()					
5. Transporter 1 Company Name WASTE OIL RECOVERY		6. US EPA ID Number CAD000626515		01164 5105330750	
7. Transporter 2 Company Name		8. US EPA ID Number			
9. Designated Facility Name and Site Address ALVISO OIL 15002		10. US EPA ID Number CAL000048571		01164 5105330750	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers			
a. USED OILS, NON-PCRA HAZARDOUS WASTE LIQUID		No. Type 001 T, T 00500 G		14. Unit Wt/Vol G	
b.				EPA/Other	
c.				EPA/Other	
d.				EPA/Other	
15. Special Handling Instructions and Additional Information LRC # 27 24 ACUL - W.O.I.R.S 5105330750 PROTECTIVE GEAR					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the 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 federal, state and international laws. 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 VICTOR LUM		Signature <i>[Signature]</i>		Month Day Year 01 23 94	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>[Signature]</i>		Month Day Year 01 23 94	
18. Transporter 2 Acknowledgement of Receipt of Materials		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

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAC000088693635912		Manifest Document No. 35912		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address VICTOR Lum 245 8th St, OAKLAND, CA. 94607						4. Generator's Phone 510 832-9014					
5. Transporter 1 Company Name ERICKSON Inc				6. US EPA ID Number CAD009466392		7. Transporter 2 Company Name					
9. Designated Facility Name and Site Address ERICKSON, INC. 255 BARR BLVD. RICHMOND, CA. 94601				10. US EPA ID Number 020009466392		11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) NON-RCRA Hazardous Waste Solid Waste Empty Storage Tank.					
						12. Containers No. Type 002 T P		13. Total Quantity 8000		14. Unit Wt/Val E	
								15. Waste Number State 12 EPA/Other None			
								State			
								EPA/Other			
								State			
								EPA/Other			
								State			
								EPA/Other			
15. Special Handling Instructions and Additional Information Keep away from sources of ignition. Always wear hardhats when working around U.S.T.'s 24 Hr. Contact Name ALL ENV. Phone 510-830-3224						16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the 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 federal, state and international laws.					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: Robert Haney Signature: <i>Robert Haney</i> Month: 08 Day: 23 Year: 94						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.

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 22194

CUSTOMER
ALL ENVIRO

JOB NO.
85890

FOR: ERICKSON, INC. TANK NO. 14354

LOCATION: RICHMOND DATE: 08/31/94 TIME: 13:37:41

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.

6000 GALLON TANK

SAFE FOR FIRE

TANK SIZE _____ CONDITION _____

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%

ERICKSON INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN

CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS

WASTE FACILITY.

ERICKSON INC. HAS THE APPROPRIATE 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.

REPRESENTATIVE

TITLE

INSPECTOR

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 22495

CUSTOMER
A.L. ENVIRO
JOB NO.
85890

FOR: ERICKSON, INC. TANK NO. 14353

LOCATION: RICHMOND DATE: 08/29/94 TIME: 10:31:23

TEST METHOD VISUAL TASTECH/1211 SWEN 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 6000 GALLON TANK CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%

ERICKSON, INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN
CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS
WASTE FACILITY.

ERICKSON, INC. HAS THE APPROPRIATE 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.

Klein REPRESENTATIVE TITLE *PS* INSPECTOR



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

August 25, 1994

PEL # 9408104

ALL ENVIRONMENTAL, INC.

Attn: Jennifer Anderson

Re: Nine soil samples for Gasoline/BTEX analysis.

Project name: Lum

Project number: 1114

Date sampled: Aug 23, 1994

Date submitted: Aug 24, 1994

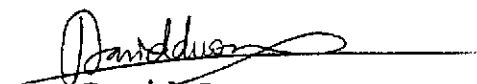
Date extracted: Aug 24-25, 1994

Date analyzed: Aug 24-25, 1994

RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
EBA-N(14')	140	520	510	370	1200
EBA-S(14')	160	820	870	570	1800
EBB-N(16')	130	180	190	210	580
EBB-S(16')	8.1	37	26	21	150
STKPA(1-4)*	3700	13000	14000	11000	34000
STKP B (1)	N.D.	N.D.	N.D.	5.9	20
STKP B (2)	2.1	N.D.	56	31	160
STKP B (3)	1.8	N.D.	15	12	100
STKP B (4)	N.D.	N.D.	5.4	7.5	40
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	84.7%	90.9%	81.6%	97.3%	104.1%
Detection limit	1.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	8020	8020	8020	8020

*Composited soil sample


David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

August 25, 1994

PEL # 9408104

ALL ENVIRONMENTAL, INC.

Attn: Jennifer Anderson

Re: Three soil samples for total Lead analysis.

Project name: Lum

Project number: 1114

Date sampled: Aug 23, 1994

Date extracted: Aug 24-25, 1994

Date submitted: Aug 24, 1994

Date analyzed: Aug 24-25, 1994

RESULTS:

SAMPLE I.D.	Lead (mg/Kg)
----------------	-----------------

EBA-N (14')	4.9
-------------	-----

EBA-S (14')	13
-------------	----

STKP A (1-4)	7.6
--------------	-----

Blank	N.D.
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Detection limit	1.0
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Method of Analysis	7420
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David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

August 27, 1994

PEL # 9408104

ALL ENVIRONMENTAL, INC.

Attn: Jennifer Anderson

Re: One composited soil sample for TCLP BTEX analysis.

Project name: LUM

Project number: 1114

Date sampled: Aug 23, 1994


Date submitted: Aug 24, 1994

Date extracted: Aug 25-27, 1994

Date analyzed: Aug 25-27, 1994

RESULTS:

SAMPLE I.D.	TCLP Benzene (ug/L)	TCLP Toluene (ug/L)	TCLP Ethyl Benzene (ug/L)	TCLP Total Xylenes (ug/L)
STPK A(1-4)	22	28	12	34
Blank	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	88.7%	94.6%	86.8%	97.3%
Detection limit	0.5	0.5	0.5	0.5
Method of Analysis	1311/602	1311/602	1311/602	1311/602


 David Duong
 Laboratory Director

Priority Environmental Labs
 1764 Houret Court
 Milpitas, CA 95035
 (408) 946-9636

PEL # 9408104

INV # 25150

Chain of Custody

1764 Houret Ct. Milpitas, CA. 95035 Tel: 408-946-9636

DATE: 8/23/94 PAGE: 1 OF: 1

PROJECT INFORMATION					ANALYSIS REPORT													NUMBER OF CONTAINERS									
PROJECT INFORMATION					TPH-Gasoline (EPA 50.30,8015)	TPH-Gasoline (50.30,8015) w/91TEX (EPA 602,8020)	TPH-Diesel (EPA 35.10/1550,8015)	PURGEABLE AROMATICS SITEX (EPA 602,8020)	TOTAL OIL & GREASE (EPA 5520 6&7)	PESTICIDES/PCS (EPA 608,8080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1	LEAO TOTAL AA	TCLP/STEX														
PROJECT MON: JENNIFER ANDERSON COMPANY: ALL ENVIRONMENTAL, INC. ADDRESS: 2641 CROW CANYON RD, STE 5 SAN RAMON, CA 94583 PHONE: 510-820-3224 FAX: 510-838-2687 SIGNATURE: <i>J. Anderson</i>																											
SAMPLER ID DATE TIME MATRIX LAB ID																											
EBA-N(14)	8/23	1:30	SOIL		X							X														1	
EBA-S(14)	8/23	1:30	SOIL		X							X														1	
STKPA(1-4)	8/23	1:30	SOIL		X							X	X	per Jennifer Anderson on 8/25/94 at 11:50AM										4			
EBB-N(10)	8/23	1:30	SOIL		X							X	} Don't Analyze													1	
EBB-S(10)	8/23	1:30	SOIL		X							X														1	
STKPB(1-4)	8/23	1:30	SOIL		X							X														4	
STKPB(2)	8/23	1:30	Soil		X																						
STKPB(3)	8/23	1:30	Soil		X																						
STKPB(4)	8/23	1:30	Soil		X																						

PROJECT INFORMATION		SAMPLER RECEIPT		RELINQUISHED BY: 1		RECEIVED BY: 1		RELINQUISHED BY: 2		RECEIVED BY: 2	
PROJECT NAME: LUM	TOTAL # OF CONTAINERS 12	RECD. GOOD COND./COLD YES		SIGNATURE: <i>[Signature]</i>		SIGNATURE: VICTOR DUONG		SIGNATURE:		SIGNATURE:	
PROJECT NUMBER: 1114	INSTRUCTIONS & COMMENTS: COMP STOCKPILE A & B RUSH			NAME: ACCEIVE 1246		NAME: 8/24/94 12:40		NAME:		NAME:	
				COMPANY:		COMPANY: PEL		COMPANY:		COMPANY:	



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

August 25, 1994

PEL # 9408108

ALL ENVIRONMENTAL, INC.

Attn: Dusty Roy

Re: Two RUSH soil samples for Gasoline/BTEX analysis.

Project name: LUM

Project number: 1114

Date sampled: Aug 23, 1994

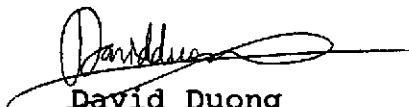
Date submitted: Aug 24, 1994

Date extracted: Aug 24-25, 1994

Date analyzed: Aug 24-25, 1994

RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
Disp A 4'	N.D. ✓	N.D. ✓	N.D.	N.D.	N.D.
Disp B 4'	N.D. ✓	N.D. ✓	12	N.D.	55
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	84.7%	90.9%	81.6%	97.3%	104.1%
Detection limit	1.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	8020	8020	8020	8020


David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

August 25, 1994

PEL # 9408108

ALL ENVIRONMENTAL, INC.

Attn: Dusty Roy
Re: Two RUSH soil samples for Total Lead analysis.


Project name: Lum
Project number: 1114

Date sampled: Aug 23, 1994
Date extracted: Aug 24-25, 1994

Date submitted: Aug 24, 1994
Date analyzed: Aug 24-25, 1994

RESULTS:

SAMPLE I.D.	Lead (mg/Kg)
Disp A 4'	3.7
Disp B 4'	4.0
Blank	N.D.
Detection limit	1.0
Method of Analysis	7420


David Duong
Laboratory Director

PROJECT MON: <i>Dusty Roy</i> COMPANY: <i>ALL ENVIRONMENTAL INC.</i> ADDRESS: <i>2641 Cow Canyon Rd San Ramon CA 94583</i> PHONE: <i>510-820-3224</i> FAX: <i>510-838-2687</i> SIGNATURE: <i>Dusty Roy</i>				ANALYSIS REPORT												NUMBER OF CONTAINERS	
SAMPLING ID		DATE	TIME	MATRIX	LAB ID	TPH - Gasoline (EPA 5030.8015)	TPH - Gasoline (5030.8015) + BTEX (EPA 602.8020)	TPH - Diesel (EPA 2510/3550.8015)	PURGEABLE AROMATICS BTEX (EPA 602.8020)	TOTAL OIL & GREASE (EPA 8520 L&F)	PESTICIDES/PCB (EPA 808.8080)	TOTAL RECOVERABLE HYDROCARBONS EPA +18.1	TOTAL Lead (AA)	PEL # 9408108 INV # 25154			
<i>Disp A4'</i>	<i>8/23/99</i>			<i>S</i>		<i>X</i>	<i>X</i>						<i>X</i>	<i>X</i>	<i>1</i>		
<i>Disp B4'</i>	<i>8/23/99</i>			<i>S</i>		<i>X</i>	<i>X</i>						<i>X</i>	<i>X</i>	<i>1</i>		
PROJECT INFORMATION			SAMPLE RECEIPT			RELINQUISHED BY: 1 <i>Dusty Roy</i> SIGNATURE: _____ Date: _____ <i>Dusty Roy</i> 8/24/99 NAME: _____ Time: _____ COMPANY: _____			RECEIVED BY: 1 _____ SIGNATURE: _____ Date: _____ 8/24/99 NAME: _____ Time: _____ COMPANY: <i>PEL</i>			RELINQUISHED BY: 2 _____ SIGNATURE: _____ Date: _____ NAME: _____ Time: _____ COMPANY: _____			RECEIVED BY: 2 _____ SIGNATURE: _____ Date: _____ NAME: _____ Time: _____ COMPANY: _____		
PROJECT NAME: <i>Lum</i>		TOTAL # OF CONTAINERS		<i>2</i>		INSTRUCTIONS & COMMENTS: _____ _____ _____			PROJECT NUMBER: <i>1114</i>			RECD. GOOD COND./COLD					