

ALL ENVIRONMENTAL, INC.

Environmental Engineering & Construction

93 AUG 6 PM 4:20
41 Crow Canyon Rd., San Ramon, CA 94583 • (510) 820-3224

August 3, 1993

Mr. Vic Lum
245 8th St.
Oakland, Ca. 94607

263
4-1000
1-250

Re: UST Removal Final Report submittal

Dear Mr. Lum,

Attached is the Final Report of methods and findings for the underground storage tank removal project performed by All Environmental, Inc. at your 245 8th St., Oakland facility. With the submittal of this report, all tank removal work contracted by All Environmental, Inc. is complete.

The UST Unauthorized Release/Contamination Site Report form has been filed with the County. Copies of the aforementioned Final Report will be forwarded to the County and the RWQCB on your behalf. You should receive correspondence from the County regarding your site status upon their review of the Final Report.

Thank you for the opportunity to be of service. Please call us as the need arises.

Best Regards,



Greg Gouvea
Project Geologist

cc. Ms. Jennifer Eberle, Alameda County Health Care Services Dept.
Mr. Richard Hiatt, RWQCB, S.F. Region
Project File

93 AUG -6 PM 4:20

ALL ENVIRONMENTAL, INC.

Environmental Engineering & Construction

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

July 29, 1993

UNDERGROUND STORAGE TANK REMOVAL FINAL REPORT

AT
Vic's Automotive Service
245 8th St.
Oakland, California

Prepared for:

Mr. Vic Lum
245 8th St.
Oakland, Ca. 94607



Prepared by:

ALL ENVIRONMENTAL, INC.
2641 Crow Canyon Road, Suite 5
San Ramon, CA 94583

FAX: (510) 838-2687

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1.0 INTRODUCTION

All Environmental Inc. (AEI) has prepared this final report to document underground storage tank removals performed at 245 8th St., Oakland, California (Figure 1). There were seven UST's on the property, of which 5 were removed. Four 1,000 gallon steel gasoline tanks and one 500 gallon steel waste oil tank were removed from the currently operating gasoline filling and auto service station. The gasoline tanks were given the designations Tank A-D, and the waste oil tank was Tank E (Figure 2). Tanks A, B, C, and D laid side by side along the sidewalk on Alice St. Tank E was located behind the southern wall of the garage building. The two remaining tanks are larger gasoline UST's which recently passed integrity testing of the tanks and product lines. They remain in use.

The following activities were performed in May, June and July, 1993:

1. Obtain permits and make notifications of tank removals;
2. Remove residual liquids from tanks, transport and dispose;
3. Excavate, remove, transport, dispose of UST's;
4. Sample soils, analyze samples;
5. Over excavate soil at select location;
6. Backfill and resurface excavations.

2.0 PERMITS, NOTIFICATIONS

An Underground Tank Closure Plan was approved by the Alameda County Health Care Services Agency on May 19, 1993. Ms. Jennifer Eberle was the Agency's Project Specialist/Inspector. A permit to excavate in the street, dated May 19, 1993, was obtained from the City of Oakland in that the 4- 1,000 gallon gasoline tanks were beneath the sidewalk along Alice St. A City of Oakland tank removal permit was acquired on June 3, 1993. On May 19, 1993, the Bay Area Air Quality Management District was notified of the UST activities. Cal OSHA was notified of the excavation plans on May 18, 1993. The excavation areas were marked and Dig Alert was notified of AEI's intentions to excavate, notification # 146482, updated through July 29.

Copies of the permits and notification documents are contained in Appendix A: Permits and Notifications.

3.0 LIQUID REMOVAL

On June 2, 1993, approximately 425 gallons of residual petroleum liquids were removed from the five tanks with a Waste Oil Recovery Systems, Inc. vacuum truck. The vacuum truck transported the liquid to the Demenno Kerdoon facility located at 2000 N. Alameda, Compton, Ca. for disposal. The hazardous waste manifest for these liquids can be found in Appendix B: Transport and Disposal Documents.

4.0 MOBILIZATION, EXCAVATION & REMOVAL

A health and safety plan for tank removal site operations was prepared and reviewed at a pre-work safety meeting (Appendix C: Health and Safety Plan). AEI removed the concrete and asphalt surface cover on June 1, 1993. Excavation of the tank pits was initiated on June 2. Excavated soil was stockpiled on plastic sheeting. Three distinct stockpiles were created and designated STKP 1A, STKP 2B, STKP 3C. STKP 1A and 2B resulted from the gasoline tank excavation and were about 70 cubic yards and 45 cubic yards, respectively. STKP 3C, from the waste oil tank excavation, was about 5 yards of soil. Temporary fencing was placed around the working areas.

On June 17, 1993 the tanks were further uncovered and readied for removal. Each of the four gasoline tanks A, B, C, D, were verified as being single wall steel tanks of 1,000 gallon capacity. The four tanks were close enough together so that a single excavation was left upon their removal. One fuel recovery line, one fuel product line, one electrical line, and one sewer line were encountered in the gas tank excavation. Each was either temporarily removed or re-routed, then permanently replaced during backfilling. The final electrical re-connection received inspection by a City of Oakland representative.

The waste oil tank E was found to be a 250 gallon single wall steel tank. It rested in a separate excavation near the garage building. Upon review of sample analyses, the waste oil tank pit was over excavated in early July to limits imposed by the proximity of the adjacent building.

No overspill prevention devices were in place. No groundwater was encountered.

Fill piping and product supply lines were removed to the limits of the excavations. The tanks were inerted with a total of 700 lbs. dry ice. The LEL and oxygen in each tank were noted to be safe and the tanks were removed from the excavations between 11 a.m. and 1 p.m. on June 18. Ms. Jennifer Eberle of the Alameda Health Care Services Agency and Mr. Gordon Gullett of the City of Oakland Fire Prevention Bureau were present during the tank removal and loading operation. Their reports are located in Appendix A.

The tanks were visually inspected prior to loading for transport. Tanks A, B, C, and D were noted to be slightly rusty with minor pitting and no obvious holes. Tank E was more rusted, moderately pitted, and with two visible holes, one on each end, top and bottom respectively.

The tank piping and tanks were loaded onto a Erickson, Inc. truck and transported under hazardous waste manifest to their facility at 255 Parr Blvd. in Richmond, Ca. There, the tanks were triple rinsed, cut, and scrapped.

STKP 2B was temporarily returned to the excavation to ensure the structural integrity of the street. Two weeks later, the soil was re-excavated and mixed with STKP 1 at the location of STKP 1. All stockpiled soil remains on site.

5.0 SAMPLING AND ANALYSIS

Soil samples were collected from the two excavations. The backhoe bucket was used to obtain native soil from one to two feet beneath the tank inverts, or about 8.5 to 10.5 feet below grade. The soil beneath tanks A-D was greenish gray clayey sand with a mild to moderate odor of aged gasoline. Six samples were obtained in a grid type pattern. The samples were designated by the tank from which they were under (A-D), and by which tank end (north-N or south-S) they came from.

Soils from under tank E were dark brown to black clayey sand with no odors. One sample was collected from beneath the middle of the tank, about 7.5 feet depth below grade, and designated "WO" for waste oil. Contamination was found to exist in the pit walls, primarily near the fill pipe.

Stockpiles STKP 1A, 2B, 3C were sampled at 5, 4, 3 point locations, respectively. The samples from each pile were composited at the lab for one analysis per stockpile.

After further excavation of the waste oil tank pit, verification samples were collected from the walls and floors of the excavation. The samples were designated according to their spatial orientation within the pit. "WO-E" corresponds to the waste oil tank pit excavation, eastern wall about 3 feet depth below grade.

All soil samples were collected into stainless steel tubes which were driven into the soil of interest 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 placed in a refrigerator. On June 21, the samples were picked up by Priority Labs personnel.

The samples were taken to Priority Environmental Labs (State Certification # 1708) for certified chemical analysis. One sample from under each tank A-D, and samples STKP 1 and 2 were analyzed for Total Petroleum Hydrocarbons (TPH) as gasoline (EPA method 5030/8015) with Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) distinction (EPA method 8020), and total lead (EPA method 7420). Samples AS and BN were held pending initial analyses (Table 1: Gasoline Tank Pit Sample Analyses).

Samples WO and STKP 3C were analyzed for TPH as gasoline with BTEX and lead, as well as TPH as diesel (EPA method 3550/8015), total oil and grease (EPA method 5520 D&E), volatile organics (EPA method 8240), and total cadmium, chromium, nickel, and zinc (EPA methods 7130, 7190, 7520, 7950, respectively) (Table 2: Waste Oil Tank Pit Analyses).

After over excavation, soil samples obtained from the walls of the waste oil tank pit were analyzed for total oil and grease and total lead. The floor or bottom sample EB-11' was analyzed for total oil and grease as well as TPH as gasoline with BTEX and lead.

The sampling locations are shown on Figure 3, Sample Location Map.

Samples AS 2, BS 4, CN 5, and DS 6 contained 1.3 parts per million (ppm), 1.1 ppm, 24 ppm, and 1.4 ppm TPH as gasoline, respectively. Only CN 5 yielded detectable BTEX results, with 19 parts per billion (ppb) benzene, 24 ppb toluene, 27 ppb ethylbenzene, and 90 ppb xylenes. Total lead levels ranged between 7.6 ppm in BS 4 and 8.4 ppm in AS 2. STKP 1A and STKP 2B, related to tanks A, B, C, D, contained 31 ppm and 17 TPH as gasoline, respectively. BTEX analysis of STKP 1 showed 6.6 ppb toluene, 14 ppb ethylbenzene, and 110 ppb xylenes. STKP 2B had 12 ppb ethylbenzene and 81 ppb xylenes. Soil sample AN 1, analyzed later to help verify apparent low level gasoline contamination, yielded 18 ppm TPH as gasoline with 19 ppb benzene, 33 ppb toluene, 34 ppb ethylbenzene, 120 ppb xylenes, and 7.9 ppm total lead (Table 1: Gasoline Tank Pit Sample Analyses).

Soil sample WO and sample STKP 3C, related to the waste oil tank, contained 3.5 and 2.6 ppm TPH as gasoline, 4.6 and 7.0 ppm TPH diesel, both N.D. (not detected) for benzene, 7.0 ppb and N.D. for toluene, 6.7 and N.D. ethylbenzene, 65 ppb and 10.9 ppb xylenes, N.D. and 1,100 ppm total oil and grease, respectively. Total cadmium in samples WO and STKP 3C showed at 0.7 and 0.6 ppm, with 30 ppm and 28 ppm total chromium, 11 ppm and 91 ppm total lead, 26 ppm and 14 ppm total nickel, and 31 ppm and 34 ppm total zinc, respectively.

from fuel pit - taken to confirm original results

After further excavation, the five over-excavation samples were analyzed. ~~excavation~~ excavation bottom, 11' depth), showed 3.9 ppm TPH as gasoline, 7.3 ppb benzene, 7.4 ppb toluene, 8.7 ppb ethylbenzene, 27 ppb xylenes, 6.5 ppm lead. The other four samples were analyzed only for oil and grease, and lead, with WO-E (east wall of pit) yielding the only positive oil and grease analysis at 2,100 ppm. Total lead analyses ranged from 4.5 ppm in WO-S to 70 ppm in WO-E. The results of soil sample analysis are depicted in the following tables.

Table 1: Gasoline Tank Pit Sample Analyses

Sample I.D.	Gasoline (mg/kg)	Total Lead (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethyl Benzene (ug/kg)	Xylenes (ug/kg)
AN 1	██████	7.9 ✓	██████	33 ✓	34 ✓	120 ✓
AS 2	1.3 ✓	8.4 ✓	N.D. ✓	N.D. ✓	N.D. ✓	21 ✓
BS-4	1.1 ✓	7.6 ✓	N.D. ✓	N.D. ✓	N.D. ✓	16 ✓
CN 5	██████	8.3 ✓	██████	24 ✓	27 ✓	90 ✓
DS 6	1.4 ✓	8.1 ✓	N.D. ✓	N.D. ✓	5.4 ✓	28 ✓
STKP 1A*	██████	██████	N.D. ✓	6.6 ✓	14 ✓	110 ✓
STKP 2B*	██████	██████	N.D. ✓	N.D. ✓	12 ✓	81 ✓

Table 2: Waste Oil Tank Pit Sample Analyses

Sample I.D.	Gas (mg/kg)	Diesel (mg/kg)	Oil and Grease (mg/kg)	Toluene? (ug/kg)	Ethyl? benzene (ug/kg)	Xylenes? (ug/kg)
WO**	3.5 ✓	4.6 ✓	N.D. ✓	7.0 ✓	6.7 ✓	65 ✓
STKP 3C*,**	2.6 ✓	7.0 ✓	██████	N.D. ✓	N.D. ✓	10.9 ✓

benz?
WO ✓
NO ✓

Table 3: Waste Oil Tank Pit and Over Excavation Samples

Sample I.D.	Oil and Grease (mg/kg)	Total Cadmium (mg/kg)	Total Chromium (mg/kg)	Total Lead (mg/kg)	Total Nickel (mg/kg)	Total Zinc (mg/kg)
WO	N.D. ✓	0.7 ✓	30 ✓	11 ✓	26 ✓	31 ✓
STKP 3C*	██████	0.6 ✓	28 ✓	██████	14 ✓	34 ✓
WO-E	██████	----	----	██████	----	----
WO-N	N.D. ✓	----	----	3.5 ✓	----	----
WO-S	N.D. ✓	----	----	4.5 ✓	----	----
W-W	N.D. ✓	----	----	6.3 ✓	----	----
	Gas (mg/kg) ✓	Benzene (ug/kg) ✓	Toluene (ug/kg)	Ethyl benzene (ug/kg)	Xylenes (ug/kg)	O+G
EB-11'	3.9 ✓	7.3 ✓	7.4 ✓	8.7 ✓	27 ✓	----

6-18
↓

7-2-93
↓

at 7.5' below UST

at 22' bgs

Pb

6.5

(mg/kg) = ppm or parts per million
 (ug/kg) = ppb or parts per billion
 N.D. = Not Detected
 ---- = not analyzed

* Composited soil samples

** Also analyzed N.D. for benzene and other EPA 8240 constituents

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

6.0 BACKFILLING AND RESURFACING

On July 2 and July 7, 1993, the excavations were backfilled with clean, imported soil. The upper six inches is comprised of base rock. The excavations were backfilled in one foot lifts and compacted to approximately 90% compaction to prevent long term settling. The tank removal areas were not resurfaced, as requested by the client due to the possibility of future excavation.

7.0 DISCUSSION & CONCLUSIONS

Four 1,000 gallon and one 250 gallon underground storage tanks were removed from the property located at 245 8th St., Oakland,

California and transported as hazardous waste to the Erickson Disposal Facility in Richmond, California. Over excavation at a select location was performed. Soil sampling and analysis were performed on samples from beneath the UST's and after over excavation.

Soil sample analyses indicated low level gasoline contamination within the gasoline storage tank pit. Gasoline which had probably leaked in the distant past has aged within site soils to low levels. Oil and grease contamination at moderate levels, as well as low level diesel and gasoline contamination were detected in samples from the over excavated waste oil tank pit.

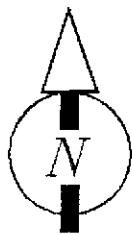
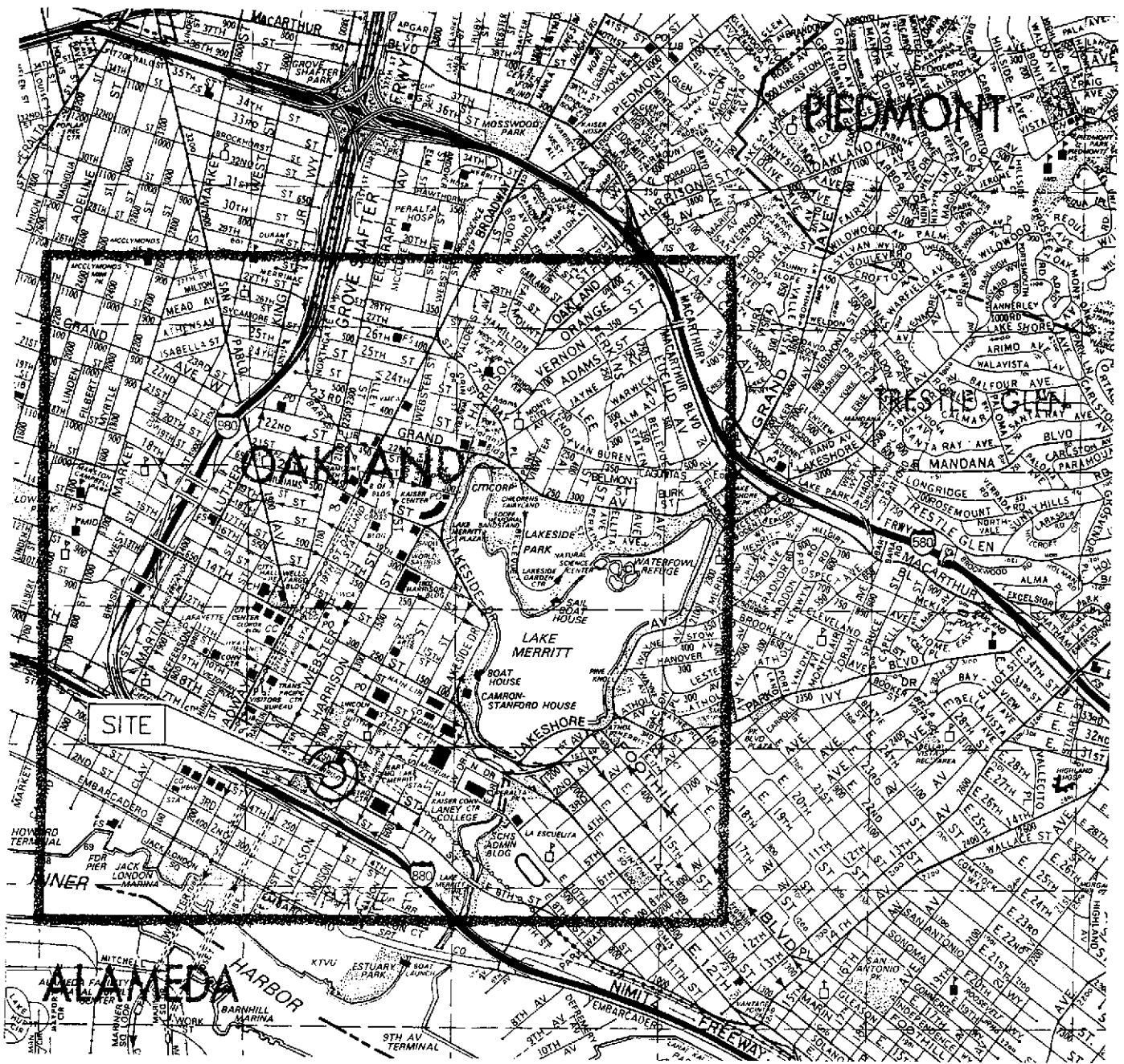
~~Two groundwater monitoring wells were installed at the two excavations to determine if groundwater contamination has been impacted by various petroleum products known to enter the site soils.~~ means just one NW

Groundwater samples from each well should be collected and analyzed quarterly for chemical constituents already detected in site soils. If 4 consecutive sampling and analysis events yield "N.D." results for the constituents of interest, then sampling can probably be discontinued and the wells properly destroyed.

8.0 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.

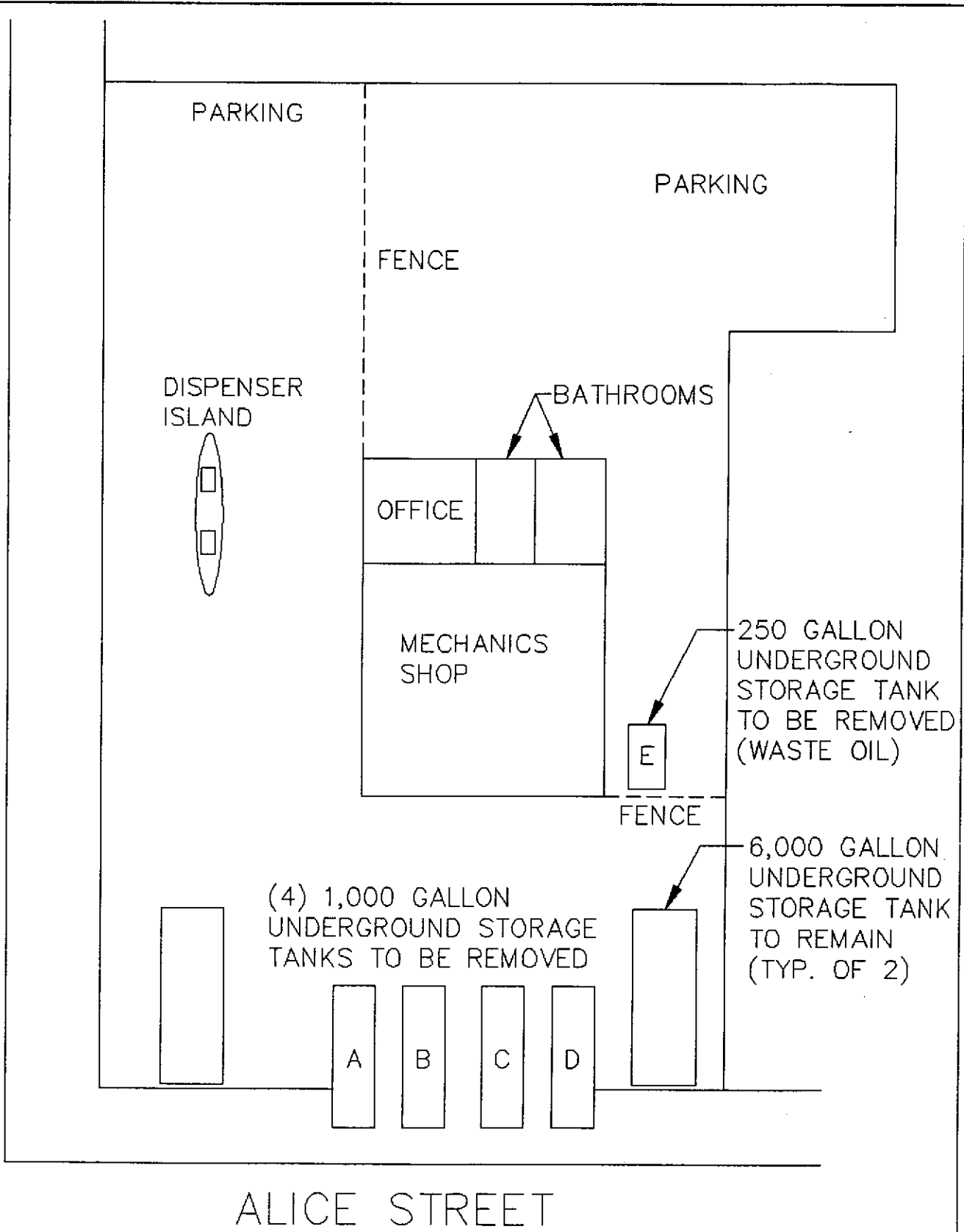
All Environmental, Inc. warrants that all services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work.



From Thomas Bros. Map - 1992

ALL ENVIRONMENTAL, INC. 2641 CROW CANYON RD, SAN RAMON		
SCALE: 1 INCH = 2200 FEET	APPROVED BY:	DRAWN BY: C.H.L.
DATE: 7/25/93		REVISED: C.H.L.
SITE LOCATION MAP		
VIC'S AUTOMOTIVE		DRAWING NUMBER: FIGURE 1

8TH STREET



ALICE STREET



ALL ENVIRONMENTAL, INC. 2641 CROW CANYON RD, SAN RAMON		
SCALE: 1 INCH = 15 FEET	APPROVED BY:	DRAWN BY: C.H.L.
DATE: 7/30/93		REVISED: C.H.L.
SITE MAP		
VIC'S AUTOMOTIVE		DRAWING NUMBER: FIGURE 2

8TH STREET

PARKING

PARKING

FENCE

STKP 1A

DISPENSER ISLAND



BATHROOMS

OFFICE

MECHANICS SHOP

direction locations?

250 GALLON UNDERGROUND STORAGE TANK EXCAVATION (WASTE OIL)

WO-E

EB

WO-N

WO-W

WO-S

STKP 3C

6,000 GALLON UNDERGROUND STORAGE TANK (TYP. OF 2)

STKP 2B

AS BS DS

AN BN CN

(4) 1,000 GALLON UNDERGROUND STORAGE TANK EXCAVATION

*Pb (ppm)
TOG (ppm)*

ALICE STREET



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

SCALE: 1 INCH = 15 FEET	APPROVED BY:	DRAWN BY: G.H.
DATE: 7/30/93		REVISED: G.H.
SAMPLE LOCATION MAP		
VIC'S AUTOMOTIVE		DRAWING NUMBER: FIGURE 3

APPENDIX A

PERMITS AND NOTIFICATIONS

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

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board. Indicate that the certificate has been received, in addition, to holding the appropriate contractors license type.

7. Consultant All Environmental, Inc.
Address 2641 Crow Canyon Road
City San Ramon, CA 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 5

Length of piping being removed under this plan 20' most of piping to be removed in 2nd phase of work
Total number of tanks at facility 7

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. 309033 License Exp. Date 10/93
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. 0019 License Exp. Date 5/31/94
Address 255 Parr Blvd.
City Richmond State CA Zip 94801

d) Tank and Piping Disposal Site

Name Erickson 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 Road
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 the 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 combustible gas meters to verify tank inertness. It is the contractor's responsibility to bring a working combustible 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)		
(4) 1,000	Automobile Fuel gasoline	Soil	2 Samples taken at a depth of 2' below the invert of the tank. One sample from each end of each tank. One sample taken 2' below the center of the invert of tank.
(1) 500	Waste Oil	Soil	

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)	Sampling Plan
50 yards	Four composited samples taken by driving a brass tube into the soil using a wooden mallet. Samples will be secured using aluminum foil, teflon caps & Duct Tape. Samples will be transported under Chain of custody to a state certified Laboratory.

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
<u>Gasoline Tanks</u>			
TPH-gasoline	5030	8015	1 ppm
BTEX		8020	5 ppb
Total Lead		AA	0.5 ppm
<u>Waste Oil Tanks</u>			
TPH-gasoline	5030	8015	1 ppm
TPH-diesel	3510 3550	8015	1 ppm
Volatiles Organics	624 5030	8240	
Oil & Grease		5520 E&F	
5 metals		AA	
Semi VOCs		8270	

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*

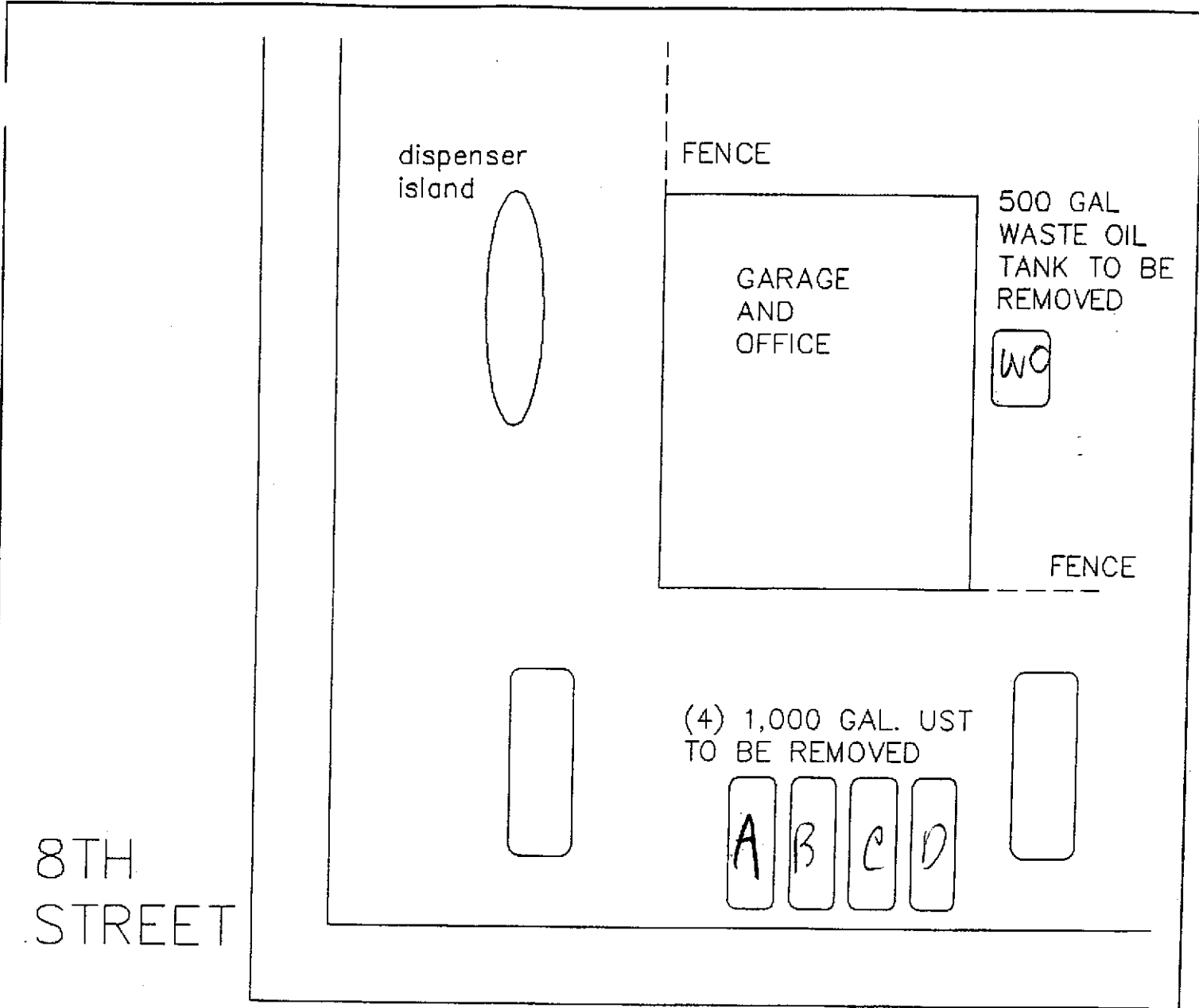
Date 4/30/93

Signature of Site Owner or Operator

Name (please type) Victor Lum

Signature *Victor Lum*

Date 4/30/93



ALL ENVIRONMENTAL, INC. 2641 CROW CANYON RD, SAN RAMON		
SCALE: NTS	APPROVED BY:	DRAWN BY: C.H.
DATE: 4/28/93		REVISED: C.H.
SITE MAP		
VIC'S AUTOMOTIVE		DRAWING NUMBER: FIGURE 1



BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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

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 <u>245 8th STREET</u>	
CITY, STATE <u>OAKLAND CA</u>	ZIP <u>94607</u>
OWNER NAME <u>VIC LUM</u>	
SPECIFIC LOCATION OF PROJECT <u>CORNER OF 8th & ALICE OAKLAND CA</u>	
TANK REMOVAL	CONTAMINATED SOIL EXCAVATION
SCHEDULED STARTUP DATE <u>6-1-93</u>	SCHEDULED STARTUP DATE _____
VAPORS REMOVED BY:	STOCKPILES WILL BE COVERED? YES _____ NO _____
<input type="checkbox"/> WATER WASH	ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):
<input checked="" type="checkbox"/> VAPOR FREEING (CO ²)	_____
<input type="checkbox"/> VENTILATION	(MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME <u>ALL ENVIRONMENTAL Inc</u>	CONTACT <u>CRAIG HERTZ</u>
ADDRESS <u>2641 CROW CANYON Rd</u>	PHONE (510) <u>820-3224</u>
CITY, STATE, ZIP <u>SAN RAMON CA 94583</u>	

CONSULTANT INFORMATION (IF APPLICABLE)

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

FOR OFFICE USE ONLY

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

BAAQMD
 Bay Area Air Quality
 Management District

Acknowledgment

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

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

5/19/93 Bly

FORMATION

Lenschan

ZIP 94607

* Alice Oakland CA

CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE _____

PILE WILL BE COVERED? YES _____ NO _____

INACTIVE METHOD OF AERATION (DESCRIBE BELOW):

 (MAY REQUIRE PERMIT)

OWNER INFORMATION

NAME A.L.L. ENVIRONMENTAL Inc CONTACT CRAIG HERTZ
 ADDRESS 2641 CROW CANYON Rd PHONE (510) 820-3224
 CITY, STATE, ZIP SAN RAMON CA 94583

CONSULTANT INFORMATION

(IF APPLICABLE)

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

FOR OFFICE USE ONLY

DATE RECEIVED FAX 5/19/93 BY Bly (init.)
 DATE POSTMARKED _____ BY _____ (init.)
 EC: INSPECTOR NO. 524 DATE 5/21/93 BY Bly (init.)
 UPDATE: CONTACT NAME _____ DATE _____ BY _____ (init.)
 BAAQMD N # _____ DATA ENTRY 5/21/93 BY _____ (init.)

Excavation Permit Granted _____ No. _____

CITY OF OAKLAND

Tank Permit

Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks. No. 9698

Oakland, California, June 3, 19 93

PERMISSION IS HEREBY GRANTED TO ~~install~~ remove ~~repair~~ Gasoline tank and excavate commencing _____ feet inside property line

side of _____ Street Avenue _____ feet of _____ Street Avenue

245 - 8th Street

Street Avenue Present Storage
Street Avenue

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

All Environmental Address 2641 Crow Canyon Rd. San Ramon Phone 820-3224

94583

ions of street (sidewalk) surface to be disturbed Number of Tanks 4 Capacity 1,000 Gallons, each. 500

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.

Fire Marshal

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.

_____ of \$ _____ special deposit is hereby acknowledged.

GENERAL DEPOSIT.

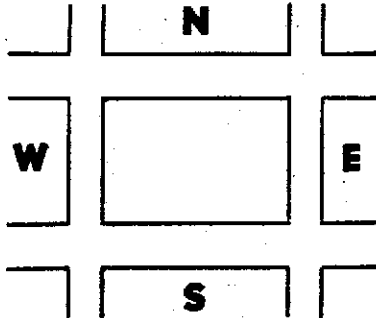
BUREAU OF PERMITS AND LICENSES.

Fee Paid - - - - - \$ 240.00 ck#1345 rec#683572

by D. Clemons

FIRE PREVENTION BUREAU

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



CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Inspected and passed on _____ 19 _____

By _____ Fire Marshal

NOTICE

Before Covering Tanks, Above Certificate Must Be Signed.

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

CITY OF OAKLAND
REPORT OF FIRE INSPECTION

ENGINE

ADDRESS 245-8th St

NAME Vic Lum / all Environmental 920-3224

GENERAL INSPECTION PERMIT HAZARD NOTED HAZARD ABATED
OTHER

NOTICE LEFT LETTER 1st NOTICE 2nd NOTICE FINAL

DATE	VIOLATION	O.F.C.	CONTACTED
8/18/92	4-1000 Gal Tanks, 1,500 Gal waste oil acceptable oxygen + Lel levels. O.k. to pull tanks. Fence excavation before leaving JOB Site		

A REINSPECTION WILL BE MADE WITHIN _____ DAYS.

FIRE PREVENTION BUREAU PHONE 273-3851

INSPECTOR Gordon Gullett # 23

Permit Application and Job Notification Form

Construction Demolition Trenches Excavation Buildings Structures Falsework Scaffolding

State of California
 Department of Industrial Relations
 Division of Occupational Safety & Health

Concord District Office
 Date: 5/18/93
 PERMIT No. _____

Sections 6500, 6501 and 6502 of the California Labor Code require that certain activities which by their nature involve substantial risk of injury may not be performed without a permit issued by DOSH. The Labor Code requires that the applicant supply, and that the Division review,

information necessary to evaluate the safety of the worksite subject to permit requirements. A permit will not be issued until evidence has been demonstrated that the place of employment will be safe and healthful.

Applicant refers to the employer applying for the Permit	
Employer: <u>ALL ENVIRONMENTAL INC</u> Address: <u>2641 CROSS CANYON RD SUITE 5</u> <u>SAN RAMON, CA 94583</u> Phone: <u>510-880-3224</u>	Project Safety Contact: <u>Dusty Roy</u> Employer's Representative: <u>STEVE ROE</u> Title & Phone No: <u>Supt 510-880-3224</u> Employer's State Contractor's License No. <u>654919</u>

Check Applicable Items:	<div style="border: 1px solid black; padding: 2px;"> *Applicant* refers to a knowledgeable person in a position of authority and responsibility for the activity to be covered by this permit. </div>
Applicant is: <input type="checkbox"/> General Building Contractor <input type="checkbox"/> General Engineering Contractor <input checked="" type="checkbox"/> Specialty Contractor Specialty Contractor Type: <u>HAZ</u> Other: _____	<input type="checkbox"/> General Contractor Option Initial this blank if applicant elects to assume responsibility for obtaining a single permit to cover one multi-employer project, e.g., a high-rise construction project. The duties of employers at the site to obey safety and health laws are not changed by this section. A list of employers on site will be attached by the Division to this application and the list will be updated as necessary.

Type of Permit Sought: <input type="checkbox"/> Annual <input checked="" type="checkbox"/> Single Project <input checked="" type="checkbox"/> Job Start Notification Only <input type="checkbox"/> Provisional Permit [PLAN CHECK ONLY]	<input type="checkbox"/> Multiple Project. (If Projects to be covered are similar in all important aspects; work is performed by the same employer; and information concerning each project covered is provided.)
For: <input type="checkbox"/> Construction of: <input type="checkbox"/> Building <input type="checkbox"/> Structure <input type="checkbox"/> Demolition of: <input type="checkbox"/> Building <input type="checkbox"/> Structure <input type="checkbox"/> Scaffolding and/or Falsework and/or Vertical Shoring <input type="checkbox"/> Tower Crane Erection <input checked="" type="checkbox"/> Trench and/or Excavation	Underground Services Alert # <u>146482</u> (DIGALERT 1-800-642-2444) Northern CA (DIGALERT 1-800-422-4133) Southern CA

Any permit based on this application is issued with the understanding that the applicant has knowledge of occupational safety and health orders applicable to the project(s) described in this application and attachments, and that the applicant and supervising personnel will take special care to insure compliance with safety orders reviewed with the applicant by the Division in the application process.

Issuance of the permit is also conditional upon the following:

- 1) Upon initiation of any new project not described in this application, the holder of an annual permit will provide the Division with a completed Project Description Form describing the new project prior to the start of work, preferably at least one week in advance of start-up date. A phone call may be used to meet the deadline but will not be considered valid notice unless followed in writing by mailing a completed Project Description Form.
- 2) The applicant has implemented a written accident prevention program and Code of Safe Practices which meet the requirements of 8 California Administrative Code, 1509.
- 3) The Division will be notified of significant changes in information provided with this application if such changes might affect the safety of the activity.

4) The applicant understands that under the permit program, DOSH schedules routine inspections by authorized personnel for the purpose of verifying that holders of permits are meeting their obligation to provide a safe work place for their employees. The Division reserves the right to revoke a permit if it is unable to promptly verify compliance with the terms and conditions of the permit and its issuance.

5) The applicant understands that failure to comply with any of the above listed conditions for obtaining a permit could result in denial, suspension or revocation of the permit. Employers may appeal these actions to the Director of the Department of Industrial Relations (California Labor Code, Section 6500 et. seq., and 8 California Administrative Code, Section 341).

Is the applicant conducting any activities to be covered by this permit application in partnership or joint venture with any other persons or corporations conducting activities requiring permits? Yes No
 If "yes" give details: _____

Have any permits for any project to be covered by the permit application previously been applied for or obtained? Yes No If "yes," when from what district office _____

in whose name _____

Permit Application and Job Notification Form (Continued)

JOB NOTIFICATION

Specific jobsite location Side walk South Field phone 510-448-3151
SIDE 2 A103 Office phone 510-820-3224
 Nearest major cross street 8th No. of employees 2
 City Oakland Starting date 6-1-93
 County Alameda Anticipated completion date 6-11-93
 Name and title of jobsite supervisor STEVE ROE High Voltage Lines in Proximity: No Yes

TYPE OF JOB

INSTRUCTIONS: THE APPROPRIATE ITEM(S) must be completed and signed by a person knowledgeable about the project and/or jobsite to be covered by a permit. Please fill in or check off blanks where appropriate.

Construction of: Building Structure Height Basement No. Stories
 Type: Steel Frame Tiered Concrete Tilt-up Wood Frame Liftslab Precast Slip Form
 Job Description: _____

[See 8CCR1709-30,38;Appendix, A Plate A-2-a&b]

Demolition of: Building Structure Height No. of Stories
 Steel Frame Wood Frame Concrete Asbestos Involved: Yes No
 Method Used: Demolition Ball Clam Explosives Loader/Tractors Other

[See 8CCR1734-37]

Scaffolding-Falsework-Vertical Shoring: Maximum Height Maximum Span Material
 Job Description: _____

(Metal > 125' or Wood > 60' requires design by California Civil Engineer, plans at site.) [See 8CCR1644(c)(7)]

Job Description: _____

Tower Crane Erection/Dismantling: Make and model _____

Capacity _____ Height _____ Date of Erection 1/1/ OverHead High Voltage? [Y/N]

Foundation and/or Support(s) for Crane Designed/Constructed by _____

Will crane be stepped or jumped? Yes No Estimated Date 1/1/ [See 8CCR4966]

Name of crane certifier _____

Other _____

Trench/Excavation: Dimensions: Depth 6 Width 20 Length 12 Utilities? [Y/N]

Soil Analysis will be done Y X N Slope Excavation 1 1/2 to 1 Y X N

Name of Competent Person(s): _____

Protective System: Shoring Sloping Trench Shield Alternate _____

Job Description: REMOVE UNDERGROUND STORAGE TANKS (4)

[Alternate Plan or excavation greater than 20 feet deep must be designed by Reg. Professional Engineer] [See 8CCR1540-47]

Fee _____
 Paid _____
 Approved _____
 Conference _____
 Other _____

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: Steve Roe
 Title: 1 SUPV
 Date: 1 5/12/93

CITY OF OAKLAND

PERMIT TO EXCAVATE IN STREETS OR OTHER WORK AS SPECIFIED

X 1205714

LOCATION OF WORK: 245 8th St BETWEEN 8th AND ALICE
(Street or Address) (Street/Ave.) (Specify)

PERMISSION TO EXCAVATE IN THE PUBLIC RIGHT-OF-WAY IS HEREBY GRANTED TO:

APPLICANT All Environmental Inc.
ADDRESS 2641 Cross Canyon Rd. San Francisco CA 94080 PHONE #: 510-820-3024

TYPE OF WORK: GAS _____ ELECTRIC _____ WATER _____ TELEPHONE _____ CABLE TV _____ SEWER _____ OTHER _____
(Specify)

NATURE OF WORK: EXCAVATE + REMOVE UTILITY

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than \$500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 70044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption in this subdivision on more than two structures more than once during any three-year period. (Sec. 7044, Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

I am exempt under Sec. _____, B.&P.C. for this reason _____

Signature _____ Date _____

OWNER/BUILDER

PERMIT VOID 90 DAYS FROM DATE OF ISSUE UNLESS EXTENSION GRANTED BY DIRECTOR OF PUBLIC WORKS.

Approximate Starting Date DATE 6-1-93

Approximate Completion Date DATE 6-11-93

HOLIDAY RESTRICTION (1 NOV - 1 JAN) YES NO

LIMITED OPERATION AREA (7AM - 9AM / 4PM - 6PM) YES NO

DATE STREET LAST RESURFACED DATE 77

SPECIAL PAVING DETAIL REQUIRED YES _____ NO

24-HOUR EMERGENCY PHONE NUMBER 510 820 3024

PERMIT NOT VALID WITHOUT 24 HOUR NUMBER.

Telephone 238-3668 Forty-eight (48) HOURS BEFORE ACTUAL CONSTRUCTION.

ATTENTION

State law requires that contractor/owner call Underground Service Alert two working days before excavating to have below-ground utilities located. This permit is not valid unless applicant has secured an inquiry identification number issued by Underground Service Alert.

Call Toll Free: 800-642-2444 USA ID Number 166480

This permit issued pursuant to all provisions of Chapter 6, Article 2 of the Oakland Municipal Code.

This permit is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance.

CONTRACTOR

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

LICENSE # AND CLASS 654119 A CITY BUSINESS TAX #

X [Signature] Date 5-14-93

Signature of Contractor Owner or Agent

Agent for Contractor Owner

WORKER'S COMPENSATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab C).

Policy # _____ Company Name All Environmental Inc.

Certified copy is hereby furnished.

Certified copy is filed with the city building inspection dept.

Signature [Signature] Date 5-13-93

(This section need not be completed if the permit is for one hundred dollars (\$100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Signature [Signature] Date 5-14-93

NOTICE TO APPLICANT. If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith imply with such provisions or this permit shall be deemed revoked.

INSPECTION COST COMPANIES & ADDITION HOURS WILL CONFORMANCE WITH FEE SCHEDULE

OFFICIAL UTILITY COMPANY

Supervisor _____

Completion Date _____

CITY INSPECTOR

BACKFIL

Initials _____

Hours _____

Date _____

Concrete _____

Asphalt _____

Sidewalk _____

Size of Cut: Sq. Ft. _____ Inches _____

Paved by _____ Type _____

Bill No. _____

Charges Backfill _____

Paving _____

Paving Insp. _____

Traffic Striping Replaced _____

APPROVED _____ Date _____

Engineering Services _____ Date 5-17-93

Planning _____ Date _____

Field Services _____ Date _____

Construction _____ Date _____

Traffic Engineering _____ Date _____

Electrical Engineering _____ Date _____

DIRECTOR OF PUBLIC WORKS

APPROVED BY: [Signature]

DATE: 5-19-93

EXTENSION GRANTED BY: _____

DATE: _____

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Division Inspection Form p.1

Site ID# _____ Site Name Vic's Automotive Today's Date 6/18/93
 Site Address 245-8th St. EPA ID# _____
 City Oakland Zip 94607 Phone _____

MAX Amt. Stored > 500lbs/55g/200cf? Y N
 Hazardous Waste generated per month? _____

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks Removal

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

LA GENERATOR (Title 22)

- ___ 1. Waste ID # 66471
- ___ 2. EPA ID 66472
- ___ 3. > 90 days 66508
- ___ 4. Label dates 66508
- ___ 5. Biennial 66493

- Manifest
- ___ 6. Records 66492
 - ___ 7. Correct 66484
 - ___ 8. Copy sent 66492
 - ___ 9. Exception 66484
 - ___ 10. Copies Rec'd 66492

- Prevention
- ___ 11. Treatment 66371
 - ___ 12. On-site Disp. (H.S.&C.) 26189.3
 - ___ 13. Ex Haz. Waste 66570

- Contn. Agency
- ___ 14. Communications 67121
 - ___ 15. Aisle Space 67124
 - ___ 16. Local Authority 67126
 - ___ 17. Maintenance 67120
 - ___ 18. Training 67105

- Containers, Tanks
- ___ 19. Prepared 67140
 - ___ 20. Name List 67141
 - ___ 21. Copies 67141
 - ___ 22. Emg. Coord. Trng. 67144

- ___ 23. Condition 67241
- ___ 24. Compatibility 67242
- ___ 25. Maintenance 67243
- ___ 26. Inspection 67244
- ___ 27. Buffer Zone 67246
- ___ 28. Tank Inspection 67259
- ___ 29. Containment 67245
- ___ 30. Safe Storage 67261
- ___ 31. Freeboard 67257

LB TRANSPORTER (Title 22)

- ___ 32. Applic./Insurance 66428
- ___ 33. Comp. Cert./CHP Insp. 66448
- ___ 34. Containers 66465

- Manifest
- ___ 35. Vehicles 66465
 - ___ 36. EPA ID #s 66531
 - ___ 37. Correct 66541
 - ___ 38. HW Delivery 66543
 - ___ 39. Records 66544

- Contn's
- ___ 40. Name/ Covers 66545
 - ___ 41. Recyclables 66800

Comments:

Gordon Bulletin of OFD on site. All LELs + C₂ are okay.
 Tank A - 1,000 gal, single wall steel; has some rust but no apparent holes. Tank invert sat at 8' bas. Erickson onsite to transport USTs under manifest # #92203793 (all 5 USTs)
 Tank B - 1,000 gal, single wall steel; has some rust but no apparent holes. Some SP soil was put back in pit to support electric wire/lines next to street
 Tank C - 1,000 gal, gal wall steel; some rust, minor pitting (also on A + B); no obvious holes
 Tank D - 1,000 gal, gal wall steel; some rust, no obvious holes
 Tanks A-D were gasoline USTs
 Tank E - 200 gal waste oil, gal wall steel; rusted + pitted w/ 2 holes (1 on the top ledge + 1 on bottom side edge). Photos taken.
 Fuel line for SU UST + an electric line are in pit above USTs. The fuel line will be retrofitted by Steve DeLoe.

Contact: Steve DeLoe

Title: _____

Signature: [Signature]

Inspector: Jennifer Elberk

Signature: [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

p. 2

A5 + 2

Site ID # _____ Site Name Vic's Automotive Today's Date 6/18/93

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 Sampling

Calif. 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'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(h)
- 18. Exemption Request? (Y/N) 25536(b)
- 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

- neutral
- 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 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: _____

Rev 8/88

Comments:
 Tank A: sample 1 at 8 1/2 - 9' bgs (A North) -> analyze
 sample 2 at 9 1/2' bgs (A South) -> hold
 Tank B: sample 3 at 9' bgs (B-S) -> analyze
 sample 4 at 10 1/2' bgs (B-N) -> hold
 Tank C: sample 5 at 9' bgs
 Tank D: sample 6 at 9 1/2' bgs
 I allowed them to ~~to~~ sample the fuel tank pit in a grid/staggered fashion, see it's one tank pit, all the USTs contained gasoline, & all samples were greenish & had gasoline odor.
 South side near bldg, N side near St.
 Tank E - sample 7 at 7 1/2' bgs
 (looks clean; no odor; soil is brown & black, but not oily)
 2 SPs from fuel pit (1A behind bldg ~10 yd³, + 3B next to pit ~45 yd³ which is being backfilled to keep sidewalk by sidewalk's integrity). Also 5yd³ SP below w.o. pit (3C).

UST K 1A, STK 2B, STK 3C

II, III

Contact: STEVE DeHoge

Title: _____

Signature: [Signature]

Inspector: Jennifer Eberle

Signature: [Signature]

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
 Hazardous Materials Inspection Form

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

II, III

Site ID # _____ Site Name Vic's Automotive Today's Date 7/2/93

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

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

Comments:

SP IIB was removed from fuel tank pit. We dug to 11' bgs on side of pit closest to 8th St. & took a soil sample just to see ~~if~~ what the concentrations are at that depth. Soil was silty sand w/some clay.

Waste oil pit overexcavated. E wall sampled at 2'3" directly below fill pipe. W, S, + N walls sampled at ~2' bgs. Samples to be analyzed for TOG + total Pb.

Fuel pit being backfilled w/lean imported fill.

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. 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. OffSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(i)
- 18. Exemption Request? (Y/N) 25533(b)
- 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

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

Rev 6/88

Contact: STEVE DeHoje
 Title: Supervisor
 Signature: [Signature]

Inspector: Jennifer Eberle
 Signature: [Signature]

II, III

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.	
REPORT DATE 01/06/93		CASE # STTD 713		SIGNED: <u>[Signature]</u> DATE: 01-28-93	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Craig Hertz		PHONE (415) 220-3224	SIGNATURE [Signature]	
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME All Environmental Inc.		
	ADDRESS 2141 Crown Canyon Rd, Suite 9, San Ramon, CA 94583				
RESPONSIBLE PARTY	NAME Victor Lum <input type="checkbox"/> UNKNOWN		CONTACT PERSON Vic Lum		PHONE (415) 832-9011
	ADDRESS 2910 8th Street, Hayward, CA 94607				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) Vic's Automotive		OPERATOR Vic Lum		PHONE (415) 832-9011
	ADDRESS 2415 8th St., Hayward, CA 94607				
	CROSS STREET Alice Street				
IMPLEMENTING AGENCIES	LOCAL AGENCY Alameda County Health Services		CONTACT PERSON Jennifer E. ...		PHONE (415) 271-...
	REGIONAL BOARD Regional Water Quality (SF-Bay)		CONTACT PERSON Rick Hietala		PHONE (415)
SUBSTANCES INVOLVED	(1) NAME Gasoline		QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN		
	(2) NAME Waste Oil		QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN		
DISCOVERY/ABATEMENT	DATE DISCOVERED 01/06/93		HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER		
	DATE DISCHARGE BEGAN UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER		
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 01/06/93				
SOURCE/CAUSE	SOURCE OF DISCHARGE <input checked="" type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER		
	CASE TYPE <input checked="" type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input checked="" type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY				
	REMEDIAL ACTION CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> OTHER (OT)				
COMMENTS	[Empty]				

APPENDIX B

TRANSPORT AND DISPOSAL DOCUMENTATION

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA010707447E0165110** Manifest Document No. **1 of 1** 2. Page 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
**VIC LUM
 2415 C STREET**

4. Generator's Phone **(510) 29014 OAKLAND CA 94607**

5. Transporter 1 Company Name **WASTE OIL SERVICES** 6. US EPA ID Number **CA010707447E0165110**

7. Transporter 2 Company Name **WASTE OIL SERVICES** 8. US EPA ID Number **CA010707447E0165110**

9. Designated Facility Name and Site Address
**RECYCLING CENTER
 2500 N. ALAMEDA
 OAKLAND CA 94622** 10. US EPA ID Number **CA010707447E0165110**

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste Number
	No.	Type			
a. WASTE OIL					
b.					
c.					
d.					

15. Special Handling Instructions and Additional Information
**WEAR PERSONAL PROTECTIVE EQUIPMENT
 24 HOUR EMERGENCY 510 330750
 ERG # 27**

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 **STEVE HARRIS** Signature **[Signature]** Month **02** Day **12** Year **91**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name **MONICA FALCON** Signature **[Signature]** Month **02** Day **12** Year **91**

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name **[Signature]** Signature **[Signature]** Month **02** Day **12** Year **91**

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]** Signature **[Signature]** Month **02** Day **12** Year **91**

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7250

81852

See Instructions on back of page 6.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD00084692803793 Manifest Document No. 93 of 1
 2. Page 1 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address Vic Lum
245 8th Street
 A. State/Manifest Document Number 92203793

4. Generator's Phone (510) 832-9014 Oakland, Ca, 94607
 B. State/Generator's ID

5. Transporter 1 Company Name Erickson Inc 6. US EPA ID Number CAD0009466392
 C. State/Transporter's ID 902964

7. Transporter 2 Company Name _____ 8. US EPA ID Number _____
 D. State/Transporter's ID 510235-1393

9. Designated Facility Name and Site Address Erickson, Inc.
255 Parr Blvd.
Richmond, Ca. 94801 10. US EPA ID Number CAD0009466392
 E. State/Facility's ID 510235-1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste Number
	No.	Type			
a. <u>Waste Empty Storage Tank</u> <u>NON-RCRA Hazardous Waste Solid.</u>	<u>01</u>	<u>STP</u>	<u>145100</u>	<u>P</u>	State: <u>512</u> EPA/Other: <u>None</u>
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

12. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Keep away from sources of ignition. Always wear hardhats when working around
U.G.S.T.'s 24 Hr. Contact Name Craig Hertz Phone 510 448-3151

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 Vic Lum Signature _____ Month 06 Day 18 Year 93

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name Steve Fleming Signature _____ Month 06 Day 18 Year 93

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 RESP CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7.

92203793

FACILITY

255 Parr Blvd.
 Richmond, CA 94801
 (510) 235-1393
 Fax (510) 235-3709

ERICKSON

Contractor Lic. No. 168067

13738 Slover Ave.
 Fontana, CA 92335
 (909) 355-5601
 Fax (909) 355-5912

DRIVER/SUPERVISOR NAME: FLEMING		EMPLOYEE #: CLOSED	JOB #: 81852	
JOB TYPE: (BID T & M DEGAS TANKS ENVIRONMENTAL OTHER)		JOB STATUS: (JOB START JOB IN-PROGRESS JOB CLOSED)		
DATE: 2726	DAY: M T W TH S SAT SUN 6-18-93	P.O./CONTRACT #	CONTRACT REL. #	
CUSTOMER #	POWER # 1025	TRAILER # 2F35		
CUSTOMER NAME ALL ENVIRON		1030 ONSITE		
JOBSITE ADDRESS 345 5TH ST VICKS AUTOMOTIVE OAKLAND, CA				
CONTACT STEVE		PHONE # T&D OF 4-IN & 1-500 STEEL TANKS		
JOB/DRIVER INSTRUCTIONS				
ADDITIONAL INFO:				
EQUIPMENT/MATERIAL USED				
WASTE MATERIAL		QUANTITY 5 TKS	HW MANIFEST # 92203793	
DISPOSAL SITE		DATE & APPOINTMENT TIME	PROFILE #/W.S. #	
COMMENTS (WORK PERFORMED, JOB DELAYS)				
Loaded Piping about 1000 AM				
LEFT YARD 800	ARRIVE JOBSITE 900 AM	START LOADING 1100 AM	FINISH LOADING 130 PM	LEAVE JOBSITE
ARRIVE DISPOSAL SITE	START UNLOAD	FINISH UNLOAD	LEAVE DISPOSAL SITE	RETURNED TO YARD
CUSTOMER ACKNOWLEDGES WORK PERFORMED / CHANGE ORDER				
CUSTOMER'S SIGNATURE <i>[Signature]</i>		DATE 6-18-93	EMPLOYEE SIGNATURE <i>[Signature: Steve Fleming]</i>	

ADDITIONAL INFORMATION				EXTRAS	
97200	SUBSTANCE:	@ \$			FEET HOURS
99152	WASHOUT:	@ \$		VACTOR HOSE	
99218	BRIDGE FEE:	@ \$		DISCHARGE HOSE (VACUUM)	
99218	BRIDGE FEE:	@ \$		WATER HOSE	
90090	DRY ICE	@ \$	LBS.		
2010	55 GALLON DRUMS:	@ \$	EA.		
2012	OVERPACK DRUMS:	@ \$	EA.		
2014	DRUM LINERS:	@ \$	EA.		
2015	RIVET BUSTER	@ \$	EA.		
99260	NEUTRALIZATION CHARGE				
83010	PICK-UP		HOURS		
RESPIRATORY & PROTECTIVE GEAR					
83060	FRESH AIR GEAR		HOURS		
85110	HALF MASK CARTRIDGE RESPIRATOR		DAYS		
85115	FULL FACE CARTRIDGE RESPIRATOR		DAYS		
85132	SELF-CONT. STANDBY AIR PACK		DAYS		
NON-OPERATED EQUIPMENT					
116	BOX LINER		EA.		
1008	VISQUEEN		EA.		
83100	MEDIUM DUTY RUBBER GEAR		SETS		
85010	TYVEK COVERALLS		SETS		
85104	COMBUSTIBLE FUME & OXY ANALYZER		DAYS		
28500	DEGASSER		HOURS		
79011	HOT WATER BLASTER		HOURS		
77110	AIR COMPRESSOR				
				CREW NAMES	
				ADDITIONAL CHARGES/CHANGE ORDER	
				RENTAL EQUIPMENT & MATERIALS	

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 12283

CUSTOMER
ALL ENVIRO

JOB NO.
81852

FOR: Erickson, Inc. TANK NO. 11442

LOCATION: Richmond DATE: 06/22/93 TIME: 07:13:06

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT UO

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 250 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."

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 Kditt TITLE _____ INSPECTOR DS

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 12292

CUSTOMER
ALL ENVIRO

JOB NO. 81852

FOR: Erickson, Inc. TANK NO. 11440

LOCATION: Richmond DATE: 06/24/93 TIME: 07:01:31

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT LG

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 1000 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."

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.

K. Aita REPRESENTATIVE TITLE INSPECTOR DS

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 12291

CUSTOMER
ALL ENVIRO

JOB NO. 81852

FOR: Erickson, Inc. TANK NO. 11439

LOCATION: Richmond DATE: 06/24/93 TIME: 07:01:31

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT LG

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 1000 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."

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. 12293

CUSTOMER
ALL ENVIRO

JOB NO. 81852

FOR: Erickson, Inc. TANK NO. 11441

LOCATION: Richmond DATE: 06/24/93 TIME: 07:01:31

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT LG

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 1000 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."

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. 12290

CUSTOMER ALL ENVIRO
JOB NO. 81852

FOR: Erickson, Inc. TANK NO. 11438

LOCATION: Richmond DATE: 06/24/93 TIME: 07:01:31

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT LG

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 1000 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."

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.

K. A. [Signature] REPRESENTATIVE TITLE [Signature] INSPECTOR

APPENDIX C

SITE HEALTH AND SAFETY PLAN

ALL ENVIRONMENTAL, INC.

Environmental Engineering & Construction

596 Indian Home Road • Danville, CA 94526 • (510) 820-3224

HEALTH AND SAFETY PLAN

Prepared for:

LUM JOBSITE
245 8TH STREET
OAKLAND, CA 94607

Prepared by:

ALL ENVIRONMENTAL, INC.
2641 Crow Canyon Road
San Ramon, CA 94583

A. INTRODUCTION

This Site Specific Health and Safety Plan is written for the remediation project located at the commercial 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: Craig Hertz (Vice President)

Site Manager: Craig Hertz

Start Date: November 16, 1992

Address: 245 8th Street
Oakland, CA 94607

Scope of Work: All Environmental, Inc. (AEI) will remove five underground storage tanks from the commercial property located at the above address.

C. SITE/WASTE CHARACTERISTICS

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

Waste Type: Solid: Contaminated Soil
 Sludge: None
 Liquid: Possible Ground Water
 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 an 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 an 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.

Craig Hertz 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 a fence, 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 excavation project may include a backhoe, an excavator, or a crane for lifting the heavy objects 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. The excavation will be properly sloped for stability, safety, and personnel entry in needed. The site will inspected on a daily basis for safety and potential cave-ins.

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

EMERGENCY SERVICES ARE AVAILABLE BY DIALING 911 ON THE TELEPHONE LOCATED IN THE PROJECT 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 then five minutes. 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 2,000 ppm or 25% 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 A or B protection will be required.

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

LEVEL A:

Fully encapsulating suit / SCRA / 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 excavation atmosphere for toxic levels will be used to check if the work area is safe.

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


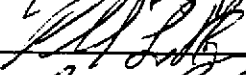
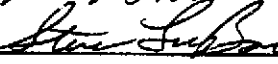
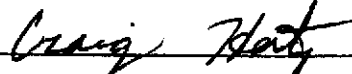
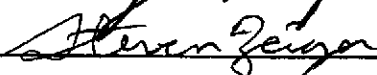
LEFT ON 14TH STREET

LEFT ON EAST 31ST STREET

LEFT INTO HIGHLAND HOSPITAL

H. READ AND SIGN

The work party was briefed on the contents of this plan on 6-16-93 at 8:00 AM. All site personnel have read the above plan and are familiar with its provisions.

<u>NAME:</u>	<u>SIGNATURE:</u>	<u>COMPANY NAME:</u>
STEVE DeHoge		AET
Phil LABARE		AEI
STEVE LABARE		AEI
Craig Hertz		AEI
STEVEN ZEIGER		AEI

APPENDIX D

SAMPLE ANALYTICAL DOCUMENTATION



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

June 23, 1993

PEL # 9306057

ALL ENVIRONMENTAL, INC.

Attn: Steve DeHope
Re: Eight soil samples for Gasoline/BTEX, Diesel, and Oil & Grease analyses.

Project name: LUM / Oakland
Project number: 1020

Date sampled: June 18, 1993
Date extracted: June 21-22, 1993

Date submitted: June 21, 1993
Date analyzed: June 21-22, 1993

RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	Diesel (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)	Oil & Grease (mg/Kg)
AS 2	1.3	---	N.D.	N.D.	N.D.	21	---
BS 4	1.1	---	N.D.	N.D.	N.D.	16	---
CN 5	24	---	19	24	27	90	---
DS 6	1.4	---	N.D.	N.D.	5.4	28	---
WO	3.5	4.6	---	---	---	---	N.D.
STKP 1A*	31	---	N.D.	6.6	14	110	---
STKP 2B*	17	---	N.D.	N.D.	12	81	---
STKP 3C*	2.6	7.0	---	---	---	---	1100
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	89.1%	93.5%	83.4%	86.8%	90.2%	93.5%	---
Duplicate Spiked Recovery	91.0%	92.6%	93.1%	92.7%	94.6%	102.3%	---
Detection limit	1.0	1.0	5.0	5.0	5.0	5.0	10
Method of Analysis	5030 / 8015	3550 / 8015	8020	8020	8020	8020	5520 D & F

* Compositated soil samples.

David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

June 23, 1993

PEL # 9306057

ALL ENVIRONMENTAL, INC.

Attn: Steve DeHope

Re: Eight soil samples for Cadmium, Chromium, Lead, Nickel, and Zinc analyses.

Project name: LUM / Oakland

Project number: 1020

Date sampled: Jun 18, 1993

Date submitted: Jun 21, 1993

Date extracted: Jun 21-22, 1993

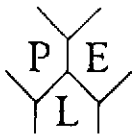
Date analyzed: Jun 23, 1993

RESULTS:

SAMPLE I.D.	Cadmium (mg/Kg)	Chromium (mg/Kg)	Lead (mg/Kg)	Nickel (mg/Kg)	Zinc (mg/Kg)
AS 2	---	---	8.4	---	---
BS 4	---	---	7.6	---	---
CN 5	---	---	8.3	---	---
DS 6	---	---	8.1	---	---
STKP 1A*	---	---	120	---	---
STKP 2B*	---	---	66	---	---
STKP 3C*	0.6	28	91	14	34
WO	0.7	30	11	26	31
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection limit	0.5	1.0	1.0	1.0	1.0
Method of Analysis	7130	7190	7420	7520	7950

* Compositated soil samples.

David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

June 23, 1993

PEL # 9306057

ALL ENVIRONMENTAL, INC.
Project name: LUM / Oakland

Attn: Steve DeHope
Project number: 1020


Sample I.D.: WO
Date Sampled: Jun 18, 1993
Date Analyzed: Jun 22, 1993

Date Submitted: Jun 21, 1993

Method of Analysis: EPA 8240

Detection limit: 5.0 ug/Kg

COMPOUND NAME	CONCENTRATION (ug/Kg)	SPIKE RECOVERY (%)
Acetone	N.D.	88.2
Chloromethane	N.D.	-----
Vinyl Chloride	N.D.	87.6
Bromomethane	N.D.	-----
Chloroethane	N.D.	-----
Trichlorofluoromethane	N.D.	-----
1,1-Dichloroethene	N.D.	90.2
Methylene Chloride	N.D.	-----
Trans-1,2-Dichloroethene	N.D.	-----
1,1-Dichloroethane	N.D.	93.1
Chloroform	N.D.	-----
1,1,1-Trichloroethane	N.D.	-----
Carbon Tetrachloride	N.D.	-----
1,2-Dichloroethane	N.D.	84.4
Trichloroethene	N.D.	91.5
1,2-Dichloropropane	N.D.	-----
Bromodichloromethane	N.D.	-----
2-Chloroethylvinylether	N.D.	-----
Trans-1,3-Dichloropropene	N.D.	-----
Cis-1,3-Dichloropropene	N.D.	-----
1,1,2-Trichloroethane	N.D.	-----
Tetrachloroethene	N.D.	87.8
Benzene	N.D.	91.2
Dibromochloromethane	N.D.	-----
Toluene	7.0	94.0
Chlorobenzene	N.D.	80.6
Ethylbenzene	6.7	89.8
Bromoform	N.D.	-----
1,1,2,2-Tetrachloroethane	N.D.	-----
Dichlorodifluoromethane	N.D.	84.7
Freon 113	N.D.	-----
M & P-Xylenes	43	100.7
O-Xylene	22	-----
1,3-Dichlorobenzene	N.D.	-----
1,4-Dichlorobenzene	N.D.	-----
1,2-Dichlorobenzene	N.D.	-----


David Duong

Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

June 23, 1993

PEL # 9306057

ALL ENVIRONMENTAL, INC.
Project name: LUM / Oakland

Attn: Steve DeHope
Project number: 1020


Sample I.D.: STKP 3C
Date Sampled: Jun 18, 1993
Date Analyzed: Jun 22, 1993

Date Submitted: Jun 21, 1993

Method of Analysis: EPA 8240

Detection limit: 5.0 ug/Kg

COMPOUND NAME	CONCENTRATION (ug/Kg)	SPIKE RECOVERY (%)
Acetone	N.D.	88.2
Chloromethane	N.D.	-----
Vinyl Chloride	N.D.	87.6
Bromomethane	N.D.	-----
Chloroethane	N.D.	-----
Trichlorofluoromethane	N.D.	-----
1,1-Dichloroethene	N.D.	90.2
Methylene Chloride	N.D.	-----
Trans-1,2-Dichloroethene	N.D.	-----
1,1-Dichloroethane	N.D.	93.1
Chloroform	N.D.	-----
1,1,1-Trichloroethane	N.D.	-----
Carbon Tetrachloride	N.D.	-----
1,2-Dichloroethane	N.D.	84.4
Trichloroethene	N.D.	91.5
1,2-Dichloropropane	N.D.	-----
Bromodichloromethane	N.D.	-----
2-Chloroethylvinylether	N.D.	-----
Trans-1,3-Dichloropropene	N.D.	-----
Cis-1,3-Dichloropropene	N.D.	-----
1,1,2-Trichloroethane	N.D.	-----
Tetrachloroethene	N.D.	87.8
Benzene	N.D.	91.2
Dibromochloromethane	N.D.	-----
Toluene	N.D.	94.0
Chlorobenzene	N.D.	80.6
Ethylbenzene	N.D.	89.8
Bromoform	N.D.	-----
1,1,2,2-Tetrachloroethane	N.D.	-----
Dichlorodifluoromethane	N.D.	84.7
Freon 113	N.D.	-----
M & P-Xylenes	7.3	100.7
O-Xylene	3.6	-----
1,3-Dichlorobenzene	N.D.	-----
1,4-Dichlorobenzene	N.D.	-----
1,2-Dichlorobenzene	N.D.	-----


David Duong

Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

June 25, 1993

PEL # 9306074

ALL ENVIRONMENTAL, INC.

Attn: Steve DeHope

Re: One soil sample for Gasoline/BTEX and total Lead analyses.

Project name: LUM / Oakland

Project number: 1020

Date sampled: June 18, 1993

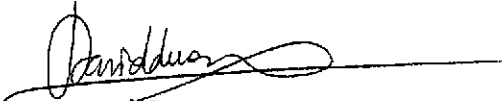
Date submitted: June 21, 1993

Date extracted: June 23-24, 1993

Date analyzed: June 23-24, 1993

RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)	Total Lead (mg/Kg)
AN 1	18	19	33	34	120	7.9
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	89.1%	83.4%	86.8%	90.2%	93.5%	---
Detection limit	1.0	5.0	5.0	5.0	5.0	1.0
Method of Analysis	5030 / 8015	8020	8020	8020	8020	7420


David Duong
Laboratory Director

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

PEL # 9306057

INV # 23712

Chain of Custody

1764 Houret Ct. Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

DATE: 6/18/93 PAGE: 1 OF 1

PROJECT MOR: Steve De Hope					ANALYSIS REPORT												NUMBER OF CONTAINERS
COMPANY: All Environmental					TPH-Gasoline (EPA 5030.8015)	TPH-Gasoline (5030.8015) w/BTEX (EPA 502.8020)	TPH-Diesel (EPA 3510/3550.8015)	PURGEABLE AROMATICS STX (EPA 502.8020)	TOTAL OIL & GREASE (EPA 3520 E&F)	PESTICIDES/PCB (EPA 608.8080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1	Total Lead (AA)	Volatile 5030 Organics (EPA 5030)	5 Metals (AA)			
ADDRESS: 2641 Crow Canyon Rd. San Ramon, Ca 94583																	
PHONE: 510-820-3224 FAX: 510-838-2687																	
SIGNATURE: Craig Hertz																	
SAMPLE ID	DATE	TIME	MATRIX	LABID													
AN1	6/18	11:15	Soil	HOLD	X							X					1
AS2	"	11:20	"		X							X					1
BN3	"	12:15	"	HOLD	X							X					1
BS4	"	12:20	"		X							X					1
CN5	"	3:00	"		X							X					1
DS6	"	3:00	"		X							X					1
WO	"	3:00	"		X		X		X				X	X			1
STKP 1A	"	4:00	"		X							X					5
STKP 2B	"	4:10	"		X							X					4
STKP 3L	"	4:20	"		X		X		X				X	X			3

PROJECT INFORMATION		SAMPLE RECEIPT		RELINQUISHED BY: 1		RECEIVED BY:		RELINQUISHED BY: 2		RECEIVED BY: 2	
PROJECT NAME: LUM/OAKLAND	TOTAL # OF CONTAINERS 19	SIGNATURE: Craig Hertz	DATE: 6/21	SIGNATURE: David Duong	DATE: 6/21	SIGNATURE:	DATE:	SIGNATURE:	DATE:	SIGNATURE:	DATE:
PROJECT NUMBER: 1020	REC'D. GOOD COND./COLD Yes	NAME: All Environ	TIME: 8:50	NAME: PEL	TIME: 8:50 AM	NAME:	TIME:	NAME:	TIME:	NAME:	TIME:
INSTRUCTIONS & COMMENTS:		COMPANY:		COMPANY:		COMPANY:		COMPANY:		COMPANY:	

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

PEL # 9306074

INV # 23729

Chain of Custody

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

DATE: 6/18/93 PAGE: 1 OF 1

PROJECT INFO:					ANALYSIS REPORT																							
PROJECT MGR.: Steve De Hope					TPH-Cocaine (EPA 5030.8015)	TPH-Gasoline (5030.8015) 7/BTEX (EPA 602.8020)	TPH-Diesel (EPA 3510/3550.8015)	PURGEABLE AROMATICS BTEX (EPA 602.8020)	TOTAL OIL & GREASE (EPA 5520 E&F)	PESTICIDES/PCB (EPA 608.8080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1	Total Lead (AA)	Volatile 5030 Organics (EPA 816)	5 Metals (CAA)										NUMBER OF CONTAINERS				
COMPANY: All Environmental																												
ADDRESS: 2641 Crow Canyon Rd. San Ramon, Ca 94583																												
PHONE: 510-820-3224 FAX: 510-838-2687																												
SIGNATURE: Craig Hertz																												
SAMPLE ID	DATE	TIME	MATRIX	LAB ID																								
AN1	6/18	11:15	Soil	HOLD		X						X																
AS2	"	11:20	"			X						X																
BN3	"	12:15	"	HOLD		X						X																
BS4	"	12:20	"			X						X																
CN5	"	3:00	"			X						X																
DS6	"	3:00	"			X						X																
W0	"	3:00	"		X		X		X				X	X														
STKP 1A	"	4:00	"			X						X																
STKP 2B	"	4:20	"			X						X																
STKP 3L	"	4:20	"		X		X		X				X	X														
PROJECT INFORMATION					SAMPLE RECEIPT					REINQUISHED BY:				RECEIVED BY:														
PROJECT NAME: LUM/OAKLAND					TOTAL # OF CONTAINERS: 19					SIGNATURE: Craig Hertz				SIGNATURE: David Duong														
PROJECT NUMBER: 1020					RECD. GOOD COND./COLD: Yes					DATE: 6/21				DATE: 6/21														
INSTRUCTIONS & COMMENTS:					NAME: All Environ 8:50					NAME: PEL				NAME: DAVID DUONG														
					COMPANY: All Environ 8:50					COMPANY: PEL				COMPANY: DAVID DUONG														

← Released per Mr Craig 16 ppm 6/23/93



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

July 07, 1993

PEL # 9307007

ALL ENVIRONMENTAL, INC.

Attn: Steve DeHope

Re: Five soil samples for Gasoline/BTEX and Oil & Grease analyses.

Project name: LUM

Project number: 1020

Date sampled: Jul 02, 1993

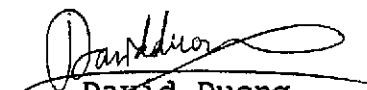
Date submitted: Jul 02, 1993

Date extracted: Jul 06-07, 1993

Date analyzed: Jul 06-07, 1993

RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)	Oil & Grease (mg/Kg)
EB-11'	3.9 ✓	7.3 ✓	7.4 ✓	8.7 ✓	27 ✓	---
WO-E	---	---	---	---	---	2100 ✓
WO-N	---	---	---	---	---	N.D. ✓
WO-S	---	---	---	---	---	N.D. ✓
W-W	---	---	---	---	---	N.D. ✓
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	93.2%	91.4%	95.6%	92.9%	105.2%	---
Duplicate Spiked Recovery	86.4%	85.3%	89.1%	90.4%	97.2%	---
Detection limit	1.0	5.0	5.0	5.0	5.0	10
Method of Analysis	5030 / 8015	8020	8020	8020	8020	5520 D & F


David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

July 09, 1993

PEL # 9307007

ALL ENVIRONMENTAL, INC.

Attn: Steve DeHope
Re: Five soil samples for total Lead analysis.

Project name: LUM
Project number: 1020

Date sampled: Jul 02, 1993
Date extracted: Jul 06-07, 1993

Date submitted: Jul 02, 1993
Date analyzed: Jul 08, 1993

RESULTS:

SAMPLE I.D.	Total Lead (mg/Kg)
EB-11'	6.5 ✓
WO-E	70 ✓
WO-N	3.5 ✓
WO-S	4.5 ✓
W-W	6.3 ✓
Blank	N.D.
Detection limit	1.0
Method of Analysis	7420


David Duong
Laboratory Director

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

PEL # 9307007

INV # 23760

ly

1764 Houret Ct. Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

DATE: 7/2/93 PAGE: 1 OF: 1

PROJECT MOR: STEVE DeHoye COMPANY: A.E.I. ADDRESS: PHONE: 510-823-9351 FAX: SIGNATURE: <i>Steve DeHoye</i>				ANALYSIS REPORT													NUMBER OF CONTAINERS									
SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TPH-Gasoline (EPA 5030.8015)	TPH-Gasoline (5030.8015) w/BTEX (EPA 602.8020)	TPH-Diesel (EPA 3510/3550.8015)	PURGEABLE AROMATICS BTEX (EPA 602.8020)	TOTAL OIL & GREASE (EPA 3520 E&F)	PESTICIDES/PCB (EPA 608.8080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1	TOTAL Lead														
W0-N									X			X														1
W0-S									X			X														1
W0-E									X			X														1
W-W									X			X														1
EB-11'						X			X			X														1

PROJECT INFORMATION		SAMPLE RECEIPT		RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
PROJECT NAME:	LUM	TOTAL # OF CONTAINERS	5	SIGNATURE:	<i>Steve DeHoye</i>	SIGNATURE:	<i>David Duarte</i>	SIGNATURE:		SIGNATURE:	
PROJECT NUMBER:	1020	RECD. GOOD COND./COLD		Date:	7-2	Date:	7/2	Date:		Date:	
INSTRUCTIONS & COMMENTS:				NAME:	A.E.I.	NAME:	PEL	NAME:		NAME:	
				Time:	12:45	Time:	12:45	Time:		Time:	
				COMPANY:		COMPANY:		COMPANY:		COMPANY:	