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June 8, 1993

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GE

ENVIRONMENTAL REMEDIATION

EXCAVATION
&
DISPOSAL

FINAL REPORT

AT
250 8th Street
Oakland, CA 94607

Prepared for:

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1.0 INTRODUCTION

All Environmental Inc. (AEI) has prepared this final report to document the contaminated soil over-excavation performed at 250 8th Street in Oakland, California (Figure 1). The remedial activities included soil excavation, sampling the side walls, laboratory analysis, backfilling, profiling the excavated soil, transportation and disposal of the hydrocarbon contaminated soil.

Prior to the tank removal, the site was used as a service station (Figure 2). Aqua Science Engineers was the contractor that removed the 10 underground storage tanks from the site in May of 1992. The tanks that were excavated and removed from the site were: (1) 10,000 gallon gasoline tank, (1) 5,000 gallon diesel tank, (3) 2,000 gallon gasoline tanks, (1) 2,000 gallon diesel tank, (3) 500 gallon gasoline tanks, and (1) 250 gallon waste oil tank. Soil sample analysis from the excavation of the 10,000 gallon gasoline tank yielded a maximum gasoline concentration of 110 ppm. The soil samples taken from beneath the (4) 2,000 gallon tanks showed gasoline concentrations up to 10,000 ppm. Two of the three samples taken from beneath the (3) 500 gallon gasoline tanks yielded high concentrations of gasoline contamination (2,400 ppm & 2,700 ppm). Sample analysis showed detectable concentrations of Nickel and Zinc from the waste oil tank. It is our understanding that no soil overexcavation was performed during or after the time of tank removal. A copy of the final report for removing the ten underground storage tanks is included in Appendix A.

2.0 PERMITS

All Environmental prepared a written workplan and submitted a copy to the Alameda County Health Services Department (ACHSD) for approval by the assigned inspector, Jennifer Eberle. A copy of the workplan is included in Appendix B. The workplan was approved as per the letter dated November 6, 1992 (Appendix C).

A Health & Safety plan was prepared by All Environmental to safeguard against chemical and physical hazards associated with drilling, excavation, sampling, and any on site soil treatments. AEI personnel working on site were required to read and adhere to the Health and Safety Plan. The Health and Safety Plan was submitted to the Alameda County Health Services Department. A copy of the Health and Safety Plan is in Appendix D.

Cal OSHA and the Bay Area Air Quality Management District were notified by fax of the overexcavation project five days prior to the project initiation date.

An encroachment permit, already obtained for the tank removal process, was extended for six more months commencing on November 28, 1992 and ending on May 27, 1993. This permit allows k-rail to extend into the roadway to provide pedestrians a safe walkway around the job site.

A Building Permit was acquired from the City of Oakland Development Services Department to install a shoring system to provide support to the excavation wall along 8th Street. A california state licensed civil engineer prepared, stamped and signed a drawing as required by the City of Oakland.

Copies of the notification documents and city permits are located in Appendix E

3.0 EXCAVATION OF CONTAMINATED SOIL

All Environmental mobilized on site for work on November 24, 1992. Project Personnel included Craig Hertz - Project Manager, Guy Roy - Health & Safety Officer, Jim Garland - Construction Superintendent and two Haz Technicians.

On November 24, the temporary shoring system along 8th Street was installed by MTL Construction Company, Inc. The shoring system consisted of five 10" x 20' I-beams and four 1" x 6' x 10' trench plates.

All Environmental began excavating contaminated soil on December 1, 1993. Soil was excavated, down to the level of groundwater (21'), underneath tanks A, B, C, D, F, G, H, and J. Further excavation was performed around Tank E even though further action was not required. Further action was also not required in the vicinity of tank I due to soil samples, taken at the time of tank removal, indicating non-detectable concentrations of diesel.

The general objective of the excavation process was to remove most of the affected soil with a concentration of TPH as gasoline and TPH as diesel greater than 100 mg/kg. All Environmental did not excavate contaminated soils beyond the edge of the sidewalk area or into 8th Street. The overexcavation was divided into two areas as per Figure 2. These areas are titled Excavation I and Excavation II.

On February 3, 1993, soil samples (A1, C2, D3, H4, I5, J6, K7) were collected from Excavation I at approximately one sample per 20 lineal feet of the exposed excavation sidewalls (Figure 3). Each soil sample was analyzed by a state certified laboratory for TPH-gasoline (EPA 5030/8015), TPH-diesel (EPA 3510/8015), BTEX (EPA 8020) and Lead (AA).

Two of the soil samples (C2 & K7) taken from Excavation I had significant concentrations of TPH-gasoline and/or TPH-diesel. Jennifer Eberley requested that further excavation and resampling of C2 and K7 was necessary.

On February 5, 1993, All Environmental overexcavated more contaminated soil and resampled C2 and K7. The area where the soil sample C2 was taken, was resampled as CC. Soil sample CC was analyzed for TPH-gasoline (EPA 5030/8015), TPH-diesel (EPA 3510/8015), BTEX (EPA 8020) and Lead (AA). The area where the soil sample K7 was taken, was resampled as KK. Soil sample KK was analyzed for TPH-diesel (EPA 3510/8015). Laboratory analyses for the soil samples CC and KK revealed non-detectable concentrations of all respective contaminants.

On February ~~12~~ 10, 1993, soil samples were collected from Excavation II at approximately one sample per 20 lineal feet of the exposed excavation sidewalls. Each soil sample was analyzed by a state certified laboratory for TPH-gasoline (EPA 5030/8015), TPH-diesel (EPA 3510/8015), BTEX (EPA 8020) and Lead (AA). Laboratory analyses revealed non-detectable concentrations of gasoline, diesel, benzene, toluene, ethyl-benzene, and xylene within each of the samples taken out of the four sidewalls. Lead analytical results were less than 'actionable' levels within all four soil samples.

→ only the dispenser sample

Prior to tank removal operations, two dispenser islands were located on this property. The soil beneath the dispenser island located closest to 8th Street was completely excavated down to ground water. The soil beneath the dispenser island located closest to the building was excavated to a depth of five feet and sampled (DISP A).

On December 15, February ~~29~~ 12, and April 9 the excavations were pumped dry by Waste Oil Recovery using a vacuum truck. The liquids were transported to a recycling facility (Demenno Kerdoon), located in Compton, California. Copies of the Hazardous Waste Manifests are located in Appendix E.

During the over-excavation, 1,764 yards of contaminated soil was overexcavated, stockpiled, profiled, transported and disposed of at BFI Landfill in Livermore, California. document?

Continuous air monitoring was performed throughout the overexcavation process by the use of an organic vapor meter. Air monitoring was performed at the edge of the excavations, along the property line, and across the street. Readings indicated that concentrations in the air reached up to 20 ppm for brief moments surrounding the excavation. Readings were at non-detectable from distances of 15 feet beyond the sides of the excavation.

4.0 SAMPLING AND ANALYSIS

On February 3, 1993, the first set of soil samples (A1, C2, D3, H4, I5, J6, K7) were collected from the sidewalls of Excavation I as shown on Figure 5.3 The results of the first set of samples collected from Excavation I are tabulated below.

TABLE ONE: EXCAVATION I
Summary of Analytical Results of Soil Samples

Sample I.D.	GASOLINE (mg/Kg)	DIESEL (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL-BENZENE (ug/Kg)	XYLENE (ug/Kg)
A 1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
C 2	[redacted]	[redacted]	32	39	42	180
D 3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
H 4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
I 5	1.5	8.8	N.D.	6.6	11	30
J 6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
K 7	N.D.	[redacted]	N.D.	N.D.	N.D.	N.D.

Sample I.D.	LEAD (mg/Kg)
A 1	5.8
C 2	5.7
D 3	4.9
H 4	6.1
I 5	5.6
J 6	6.0
K 7	5.6

Sample results C2 and K7, above, were considered high levels by the Alameda County Health Services Department. Following a day of more excavating in these two areas, resampling was performed, on February 5, to further characterize the soil. The locations of these two samples are illustrated in Figure 5.3 The results of the resampling are characterized in the following table.

TABLE TWO: EXCAVATION I
Summary of Analytical Results of Soil Samples

Sample I.D.	GASOLINE (mg/Kg)	DIESEL (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL-BENZENE (ug/Kg)	XYLENE (ug/Kg)
CC	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
KK	--	N.D.	--	--	--	--

Sample I.D.	LEAD (mg/Kg)
CC	N.D.

On February 10, 1993, following the last day of over-excavation, samples were taken on the four side walls (AW1, BW2, CW3, & DW4) of Exc. II. A sample (DISP A) was also collected, following over-excavation, from below the dispenser island closest to the building. Figure 4 shows the location of all the samples taken. Analytical results are tabulated below.

TABLE THREE: EXCAVATION II
Summary of Analytical Results of Soil Samples

Sample I.D.	GASOLINE (mg/Kg)	DIESEL (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL-BENZENE (ug/Kg)	XYLENE (ug/Kg)
AW 1	N.D.	--	N.D.	N.D.	N.D.	N.D.
BW 2	N.D.	--	N.D.	N.D.	N.D.	N.D.
CW 3	N.D.	--	N.D.	N.D.	N.D.	N.D.
DW 4	N.D.	--	N.D.	N.D.	N.D.	N.D.
DISP A	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Sample I.D.	LEAD (mg/Kg)
AW 1	5.6
BW 2	6.6
CW 3	6.3
DW 4	6.0
DISP A	5.8

Due to the difficulty in obtaining samples from the soil along the shoring system, All Environmental backfilled a ramp down to a depth of 16 feet below grade against the shoring plates. On February 12, 1993, two samples (NWS1 & SES2) were taken along the shoring system. Locations of these samples are shown on Figure 3.

TABLE FOUR: EXCAVATION I (Along Shoring)
Summary of Analytical Results of Soil Samples

Sample I.D.	GASOLINE (mg/Kg)	DIESEL (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL-BENZENE (ug/Kg)	XYLENE (ug/Kg)
NWS 1	1800	100	830	1100	2300	8400
SES 2	130	120	110	240	260	930

Sample I.D.	LEAD (mg/Kg)
NWS 1	11.0
SES 2	5.1

hits left in place

All stockpiled soil was sampled at various times during the excavation process. Laboratory analyses ranged from N.D. to 350 ppm of TPH-gasoline and N.D. to 510 ppm of TPH-Diesel. At various times during the over-excavation, soil was pushed back into the excavation to support the shoring system during heavy rain storms. As the soil was reexcavated, samples were retaken to profile the soil for disposal.

Soil samples were taken by Craig Hertz of All Environmental, Inc., trained in sampling protocol by a registered Civil Engineer. Soil samples were collected by driving a 6-inch by 2-inch brass tube into the soil using a wooden mallet when necessary. The sample of stockpiled material was taken as a composite of four subsamples. The four samples were composited as one sample at the laboratory. All soil samples were secured using aluminum foil, teflon caps and sealed with duct tape. All samples were put on ice and transported, under chain of custody procedures, directly to Priority Environmental Labs in Milpitas, California.

5.0 CONTAMINATED SOIL DISPOSAL

The stockpile of contaminated soil was profiled for disposal into the Vasco Road Landfill in Livermore, California. All Soil samples that were submitted were reanalyzed for TPH-Gasoline, TPH-Diesel, Benzene, Toluene, Ethyl Benzene, Total Xylenes, STLC Lead, Reactivity, Corrosivity, and Ignitability. A copy of the Analytical results are enclosed in Appendix G.

The 1,764 yards of contaminated soil were loaded onto a truck and transported under a Non Hazardous Waste Manifest to the Vasco Road Landfill. All Environmental began loading and transporting soil on December 15, 1992 and continued, off and on, until March 8, 1993.

6.0 BACKFILLING

The excavation was backfilled with peagravel to a depth of 4 feet. The last four feet were backfilled with imported base rock to grade as specified by the client.

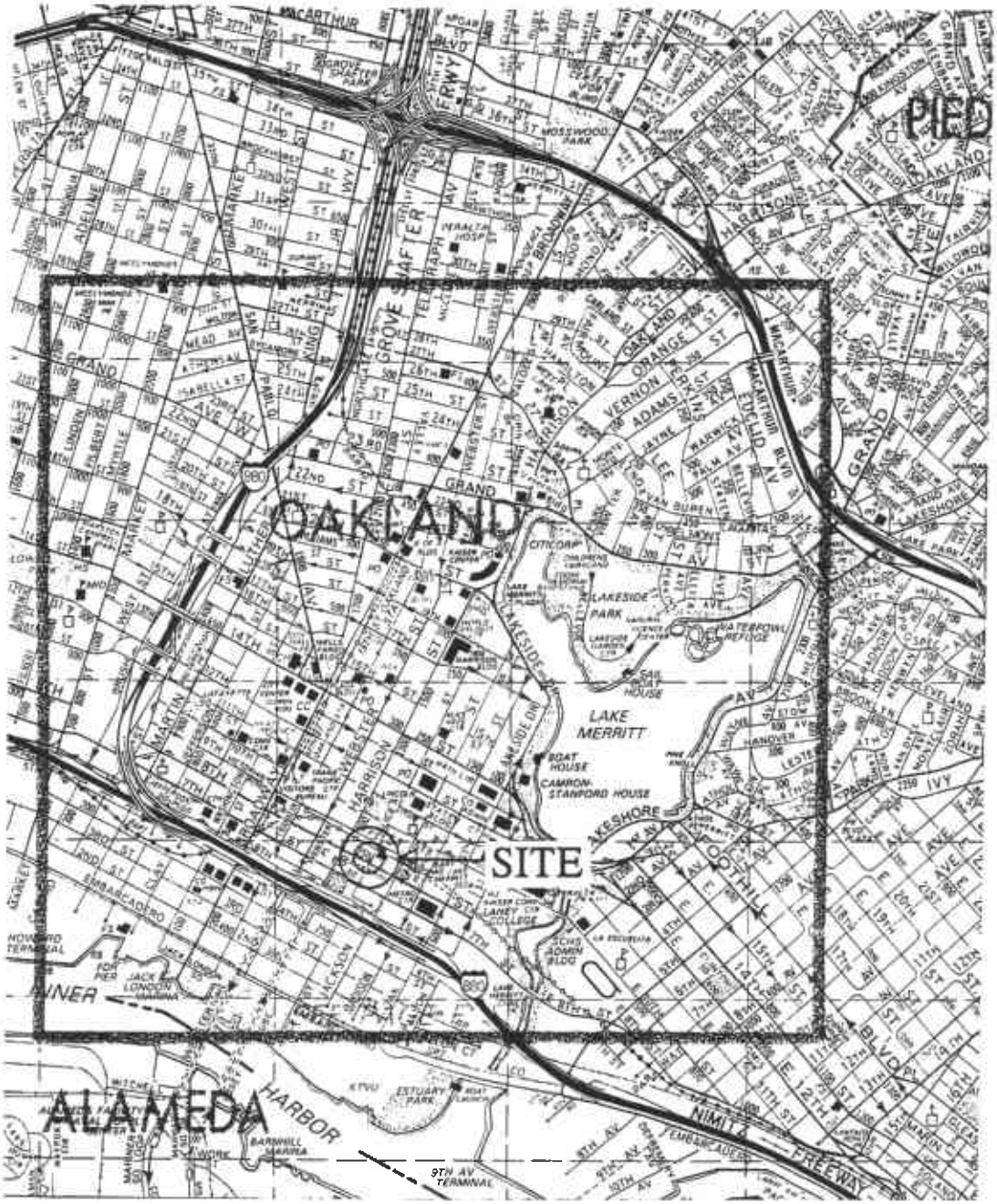
The sheet piles remained in the excavation until the backfill was within 5 feet of the surface. The sheet piles were then removed and backfilling to grade was completed.

7.0 DISCUSSION & CONCLUSIONS

All Environmental over-excavated contaminated soil at 250 8th Street in Oakland, California to the depth of groundwater (21 feet below grade). Laboratory analysis indicated that of the samples taken, contaminated soil within the property boundaries, greater than 10 ppm, have been excavated. The excavation was backfilled with peagravel and clean imported base rock to grade as specified by the client.

Contaminated soil (1,764 yards) was loaded, transported and disposed of at BFI Vasco Road Landfill in Livermore, California.

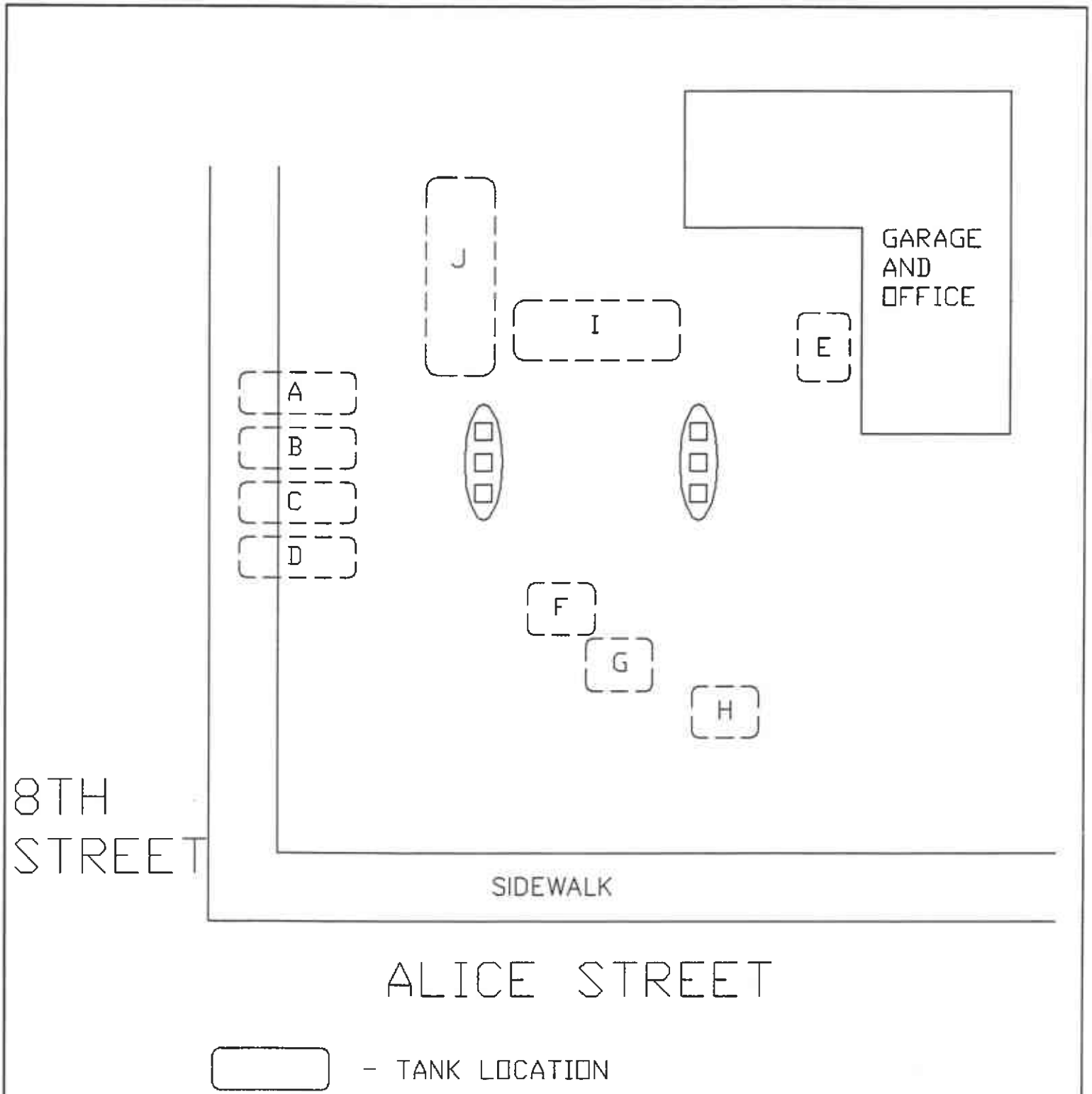
Some contam. soil remains under 8th St.



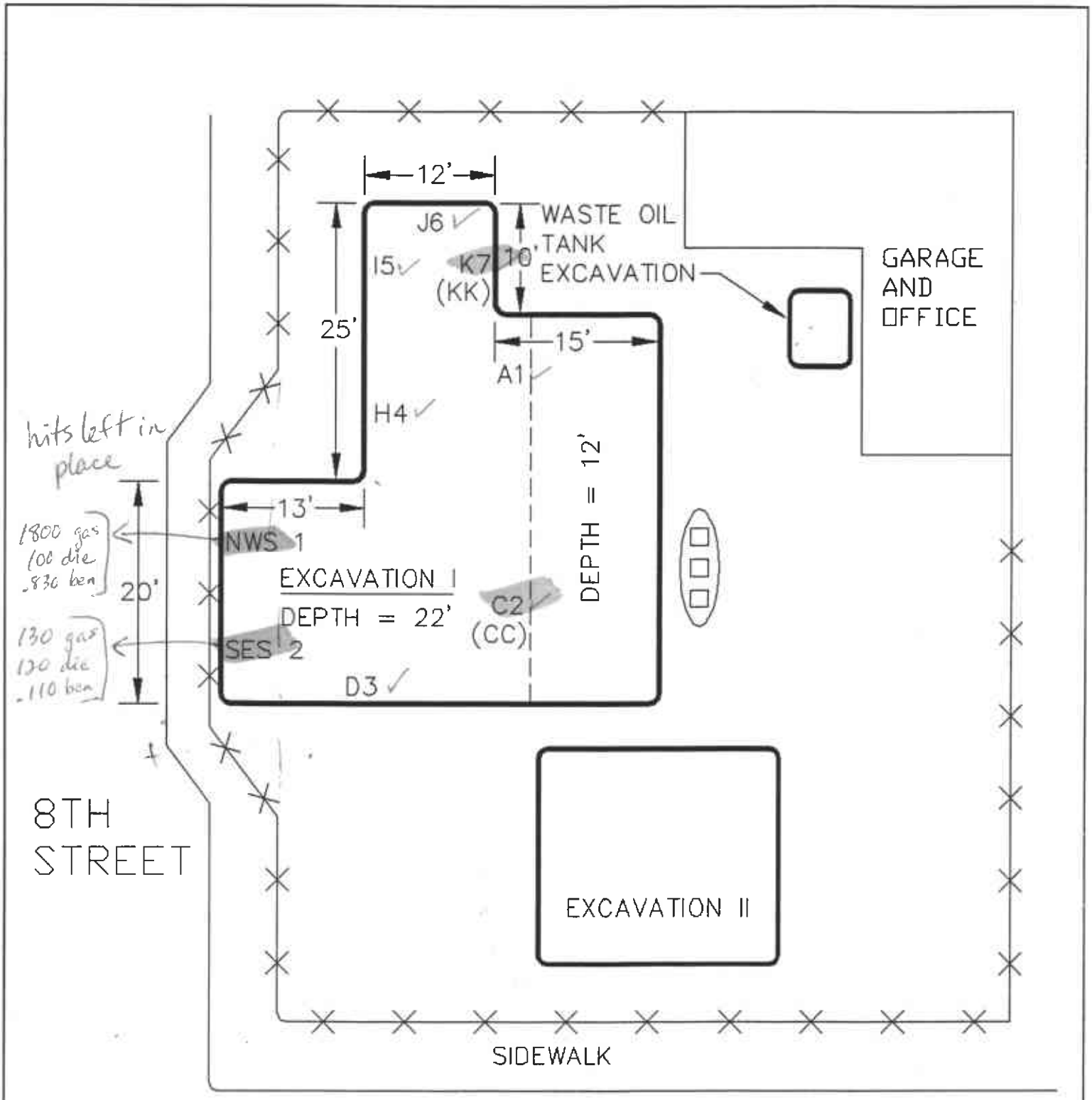
N

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.
DATE: 6/7/93		REVISED: C.H.
SITE LOCATION MAP		
250 8TH STREET, OAKLAND		DRAWING NUMBER: FIGURE 1



ALL ENVIRONMENTAL, INC. 2641 CROW CANYON RD, SAN RAMON		
SCALE: NTS	APPROVED BY:	DRAWN BY: CJH
DATE: 8/7/03		REVISED: CJH
SITE MAP		
250 8TH STREET, OAKLAND		DRAWING NUMBER: FIGURE 2



SAMPLE I.D.	DEPTH BELOW GRADE
A1	20'
C2 hits	18'
D3	18'
H4	16'
I5	17'
J6	17'
K7 hits	17'
CC	19'
KK	17'

overexed to ND

N

5'-3"

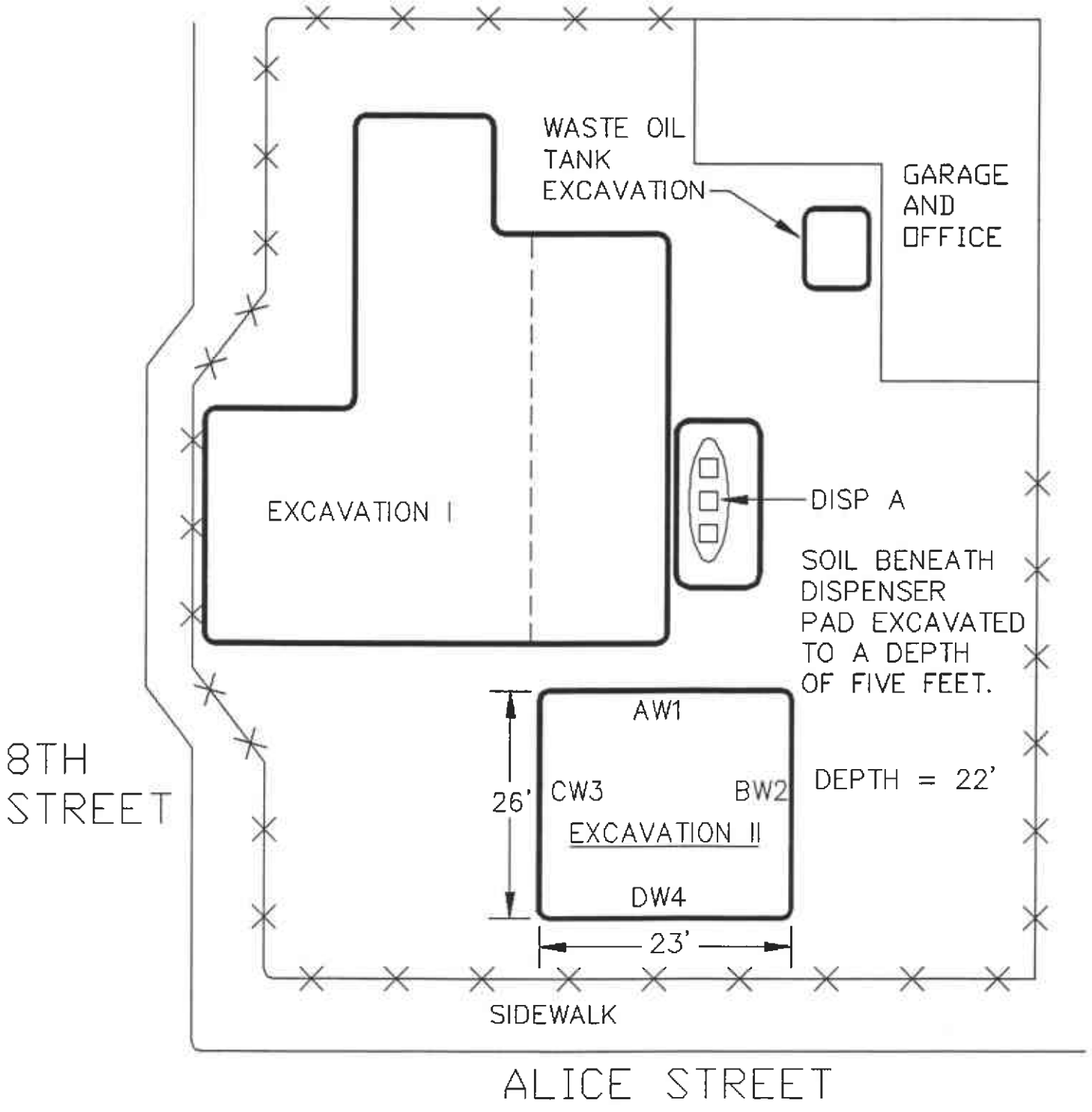
ALL ENVIRONMENTAL, INC.
2641 CROW CANYON RD, SAN RAMON

SCALE: NTS	APPROVED BY:	DRAWN BY: CJL
DATE: 8/7/93		REVISED: CJL

EXCAVATION I: SAMPLE LOCATION MAP

250 8TH STREET, OAKLAND

DRAWING NUMBER: FIGURE 3



SAMPLE I.D.	DEPTH BELOW GRADE
AW1	18'
BW2	17'
CW3	19'
DW4	17'

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

SCALE: NTS	APPROVED BY:	DRAWN BY: C.H.
DATE: 6/7/93		REVISED: C.H.

EXCAVATION II: SAMPLE LOCATION MAP

250 8TH STREET, OAKLAND

DRAWING NUMBER: FIGURE 4

APPENDIX A

TANK REMOVAL REPORT

aqua science engineers inc.

June 1, 1992

PROJECT REPORT
UNDERGROUND STORAGE TANK REMOVAL
at
250 8th Street
Oakland, CA 94607

Prepared for:

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1.0 INTRODUCTION

This report documents the removal and related activities of the underground storage tank closure performed at 250 8th Street in Oakland, California. As of the date of tank removal, the property is reportedly owned by Alice, Edward, and May Lim of Oakland, California. The following tanks were removed from the site; one 250 gallon waste oil underground storage tank, three 500 gallon gasoline underground storage tanks, one 2,000 gallon diesel underground storage tank, three 2,000 gallon gasoline underground storage tanks, one 5,000 gallon diesel underground storage tank, and one 10,000 gallon gasoline underground storage tank. The scope of services provided by Aqua Science Engineers, Inc. (ASE) is in accordance with ASE proposal No. 92-006 and includes the following tasks:

- Obtain permits from the Alameda County Health Services Department and the Oakland Fire Department.
- Remove and dispose of residual liquid from the tanks.
- Remove and dispose of the underground storage tanks.
- Sample the soil beneath the tanks and within the stockpiles.
- Prepare a report of methods and findings.

2.0 PERMITS

The application for permits to remove the underground storage tank were obtained from the Alameda County Health Services Department and the Oakland Fire Department. Copies of the permits and notification documents are contained in Appendix A.

3.0 MOBILIZATION

ASE mobilized for on-site work on April 28, 1992. Project personnel included: Craig Hertz- Project Manager, Steve De Hope- Construction Manager, Field Personnel- David Prull and Jerry Sasse.

3.1 EXCAVATION

Prior to excavation, ASE inspected the tanks to confirm that only residual liquids remained, tested the Lower Explosive Limit of the vapor

within the tanks, then commenced to cut and remove the concrete cover over the tanks. The associated fill pipe and product supply pipe were disassembled and removed, and soil was excavated to expose the tanks on top and along the two sides. The tanks and individual stockpiles were labeled alphabetically, in order to present some consistancy within the sampling analysis and final report.

Tank Label	Tank Description
A	2,000 gallon gasoline tank on the north west side.
B	2,000 gallon gasoline tank in the middle.
C	2,000 gallon gasoline tank on the south east side.
D	2,000 gallon diesel tank.
E	500 gallon waste oil tank.
F	500 gallon gasoline tank on the west side.
G	500 gallon gasoline tank in the middle.
H	500 gallon gasoline tank on the east side
I	5,000 gallon diesel tank.
J	10,000 gallon gasoline tank.

(Figure 1: Site Map)

Native material around the tanks consisted primarily of sands with some fine gravel and clay. Groundwater was not encountered during the tank removal. Tank backfill material was classified as a light brown poorly graded sand.

Air quality sampling was conducted at the edge of the excavations using an organic vapor analyzer model 580A by TEI. Volatile organic vapors were detected in the air surrounding the edges of all five excavations.

Tank A:
Excavated backfill material appeared discolored and there were odors of petroleum products in the area below the tank. There were no apparent holes in the tank and there was no evidence of corrosion on the steel tank. No overspill protection devices were in place.

Tank B:
Excavated backfill material appeared discolored and there were odors of petroleum products in the area below the tank. There were no apparent holes in the tank and there was no evidence of corrosion on the steel tank. No overspill protection devices were in place.

Tank C:
Excavated backfill material appeared discolored and there were odors of petroleum products in the area below the tank. There were no apparent holes in the tank and there was no evidence of corrosion on the steel tank. No overspill protection devices were in place.

Tank D:
Excavated backfill material appeared discolored and there were odors of petroleum products in the area below the tank. There were no apparent holes in the tank and there was no evidence of corrosion on the steel tank. No overspill protection devices were in place.

Tank E:
Excavated backfill material appeared discolored and there were odors of petroleum products in the area below the tank. There were no apparent holes in the steel tank, but there was evidence of corrosion and pitting with dark stains. No overspill protection devices were in place.

Tank F:
Excavated backfill material appeared discolored and there were odors of petroleum products in the area below the tank. There were no apparent holes in the tank and there was no evidence of corrosion on the steel tank. However, there was evidence of rust along the bottom of the tank. No overspill protection devices were in place.

Tank G:
Excavated backfill material appeared discolored and there were odors of petroleum products in the area below the tank. There were no apparent holes in the tank and there was no evidence of corrosion on the steel tank. No overspill protection devices were in place.

Tank H:
Excavated backfill material appeared discolored and there were odors of petroleum products in the area below the tank. There was a large hole on the vent end of the tank near the bottom. There was evidence of corrosion and pitting on the steel tank. No overspill protection devices were in place.

Tank I:
Excavated backfill material appeared discolored and there were no odors of petroleum products in the area below the tank. There were no apparent holes in the tank and there was no evidence of corrosion on the steel tank. No overspill protection devices were in place.

Tank J:
Excavated backfill material appeared discolored and there were odors of petroleum products in the area below the tank. There were apparent holes along the seam of the tank and there was evidence of corrosion and pitting on the bottom of the steel tank. No overspill protection devices were in place.

3.2 REMOVAL

ASE and Waste Oil Recovery Systems triple rinsed, pumped all liquids from the tank and transported the liquids to the Demenno Kerdoon recycling facility in Compton, California. A hazardous waste manifest is located in appendix B in this report.

Prior to tank removal on the morning of May 7, 1992, ASE inerted the tanks by adding dry ice at the rate of at least 1.5 pounds per 100 gallons of tank volume. After verifying a safe LEL of the tanks atmosphere, the vessels were removed from the excavations. The tank removal operations were witnessed by the Alameda County Health Services Department Inspector- Jennifer Eberle, Oakland Fire Department Inspectors- Steve Hallert and Christine Myers and Craig Hertz of ASE.

The tanks were transported by a licensed hazardous waste hauler, Erickson Inc., to the Erickson Tank Disposal Facility in Richmond, CA, on the date of removal. Copies of the Hazardous Waste Manifest and Tank Disposal Certificates are contained in Appendix B.

4.0 SAMPLING AND ANALYSIS

Soil samples were collected from the excavation between 3:30 and 6:40 PM, by Project Engineer, Craig Hertz of ASE trained in sampling protocol by a registered civil engineer. Soil sampling was performed at the direction of the Alameda County Health Services Department San Leandro Fire Department Hazardous Materials Division Inspector Mike Bakaldin.

Tank A:
The depth of the excavation was 11 feet and samples were taken at 1-2 feet below both ends of the tank.

Tank B:
The depth of the excavation was 11 feet and samples were taken at 1-2 feet below both ends of the tank.

Tank C:
The depth of the excavation was 11 feet and samples were taken at 1-2 feet below both ends of the tank.

Tank D:
The depth of the excavation was 11 feet and samples were taken at 1-2 feet below both ends of the tank.

Tank E:
The depth of the excavation was 9 feet and one sample was taken at 1-2 feet below the center of the tank.

Tank F:
The depth of the excavation was 9 feet and one sample was taken at 1-2 feet below the center of the tank.

Tank G:
The depth of the excavation was 9 feet and one sample was taken at 1-2 feet below the center of the tank.

Tank H:
The depth of the excavation was 9 feet and one sample was taken at 1-2 feet below the center of the tank.

Tank I:
The depth of the excavation was 13 feet and samples were taken at 1-2 feet below both ends of the tank.

Tank J:
The depth of the excavation was 13 feet and samples were taken at 1-2 feet below both ends of the tank.

The sampling locations are shown on the site map in figure 1. Soil samples of the stockpiled material were collected by driving a 6-inch by 2-inch brass tube into the soil using a wooden mallet when necessary. The individual stockpiles were labeled alphabetically as follows:

Stockpile Label	Stockpile Description
K	(4) 2,000 Gallon Tanks
L	(1) 5,000 Gallon Diesel Tank
M	(1) 10,000 Gallon Gasoline Tank
N	(3) 500 Gallon Gasoline Tanks
O	(1) 500 Gallon Waste Oil Tank

The samples of stockpiled soil were taken as a composite of four subsamples. The four samples were composited as one sample at the laboratory. All soil samples were secured using aluminum foil, teflon caps and sealed with duct tape. All samples were put on ice and transported directly to the analyzing laboratory under chain of custody procedures.

The samples were submitted for analysis to the state certified laboratory, Priority Environmental Labs in Milpitas, California (408) 946-9636. The soil samples were analyzed as follows:

Sample Location	Analysis Description & Method
A	TPH gasoline/BTEX (EPA 5030/8015 & 8020) and Lead (AA).
B	TPH gasoline/BTEX (EPA 5030/8015 & 8020) and Lead (AA).
C	TPH gasoline/BTEX (EPA 5030/8015 & 8020) and Lead (AA).
D	TPH diesel/BTEX (EPA 3510/8015 & 8020).
E	TPH gasoline (EPA 5030/8015), TPH diesel (EPA 3510/8015), Volatile Organics (EPA 624/8240), (Base/Neutrals & Acids (EPA 625/8270), Oil & Grease (EPA 5520), LUFT Metals (5) (EPA 6010 & 7000).
F	TPH gasoline/BTEX (EPA 5030/8015 & 8020) and Lead (AA).
G	TPH gasoline/BTEX (EPA 5030/8015 & 8020) and Lead (AA).
H	TPH gasoline/BTEX (EPA 5030/8015 & 8020) and Lead (AA).
I	TPH diesel/BTEX (EPA 3510/8015 & 8020).
J	TPH gasoline/BTEX (EPA 5030/8015 & 8020) and Lead (AA).
K	TPH gasoline/BTEX (EPA 5030/8015 & 8020), TPH diesel (EPA 3510/8015), and Lead (AA).
L	TPH diesel/BTEX (EPA 3510/8015 & 8020).
M	TPH gasoline/BTEX (EPA 5030/8015 & 8020) and Lead (AA).
N	Lead (AA).
O	TPH gasoline (EPA 5030/8015), TPH diesel (EPA 3510/8015), Volatile Organics (EPA 624/8240), (Base/Neutrals & Acids (EPA 625/8270), Oil & Grease (EPA 5520), LUFT Metals (5) (EPA 6010 & 7000).
DISPNORTH	TPH gasoline/BTEX (EPA 5030/8015 & 8020), TPH diesel (EPA 3510/8015), and Lead (AA).
DISPWEST	TPH gasoline/BTEX (EPA 5030/8015 & 8020), TPH diesel (EPA 3510/8015), and Lead (AA).

TABLE ONE: Sample Results

Sample No.	TPH Gasoline (ppm)	Benzene (ppb)	Toluene (ppb)	Ethyl Benzene (ppb)	Total Xylenes (ppb)	Total Lead (ppm)	TPH Diesel (ppm)
A1NE	10000	6200	19000	22000	140000	N.D.	----
A2SW	5300	1000	13000	14000	46000	4.6	----
B2NE	6300	2600	21000	15000	97000	N.D.	----
B2SW	4900	2300	20000	18000	93000	N.D.	----
C3NE	2000	1700	4700	9300	24000	1.2	----
C3SW	3300	3900	20000	18000	73000	2.0	----
D4NE	----	1500	1200	1200	33000	----	880
D4SW	----	3100	2000	3700	19000	----	5900
E5	N.D.	----	----	----	----	N.D.	N.D.
F6	2400	680	1900	3600	11000	2.2	----
G7	2700	3800	5000	11000	22000	N.D.	----
H8	N.D.	N.D.	N.D.	N.D.	N.D.	1.8	----
I9NE	----	N.D.	N.D.	N.D.	N.D.	----	N.D.
I9SW	----	N.D.	N.D.	N.D.	N.D.	----	N.D.
J10NW	110	2000	4200	2800	15000	N.D.	----
J10SE	1.0	26	12	20	57	N.D.	----
K-STKP*	1100	780	980	1700	7200	78.0	860
L-STKP*	----	N.D.	5.1	17	34	----	42
M-STKP*	6.2	N.D.	5.5	7.2	47	24.0	----
N-STKP*	31	N.D.	7.3	29	73	46.0	
O-STKP*	N.D.	----	----	----	----	320	N.D.
DISPNORTH	N.D.	N.D.	N.D.	N.D.	N.D.	110	N.D.
DISTWEST	570	450	240	2200	14000	4.8	300

Sample No.	Oil & Grease (ppm)	Cadmium (ppm)	Chromium (ppm)	Nickel (ppm)	Zinc (ppm)	Tetrachloro-ethene (ppb)
E5	N.D.	N.D.	N.D.	24	12	N.D.
0-STKP*	440	N.D.	6.0	22	150	16

* - Composited sample
N.D. - Non Detectable at analytical method limits
ppm - parts per million
ppb - parts per billion

In total, approximately 325 cubic yards of material were removed from the excavation and stockpiled.

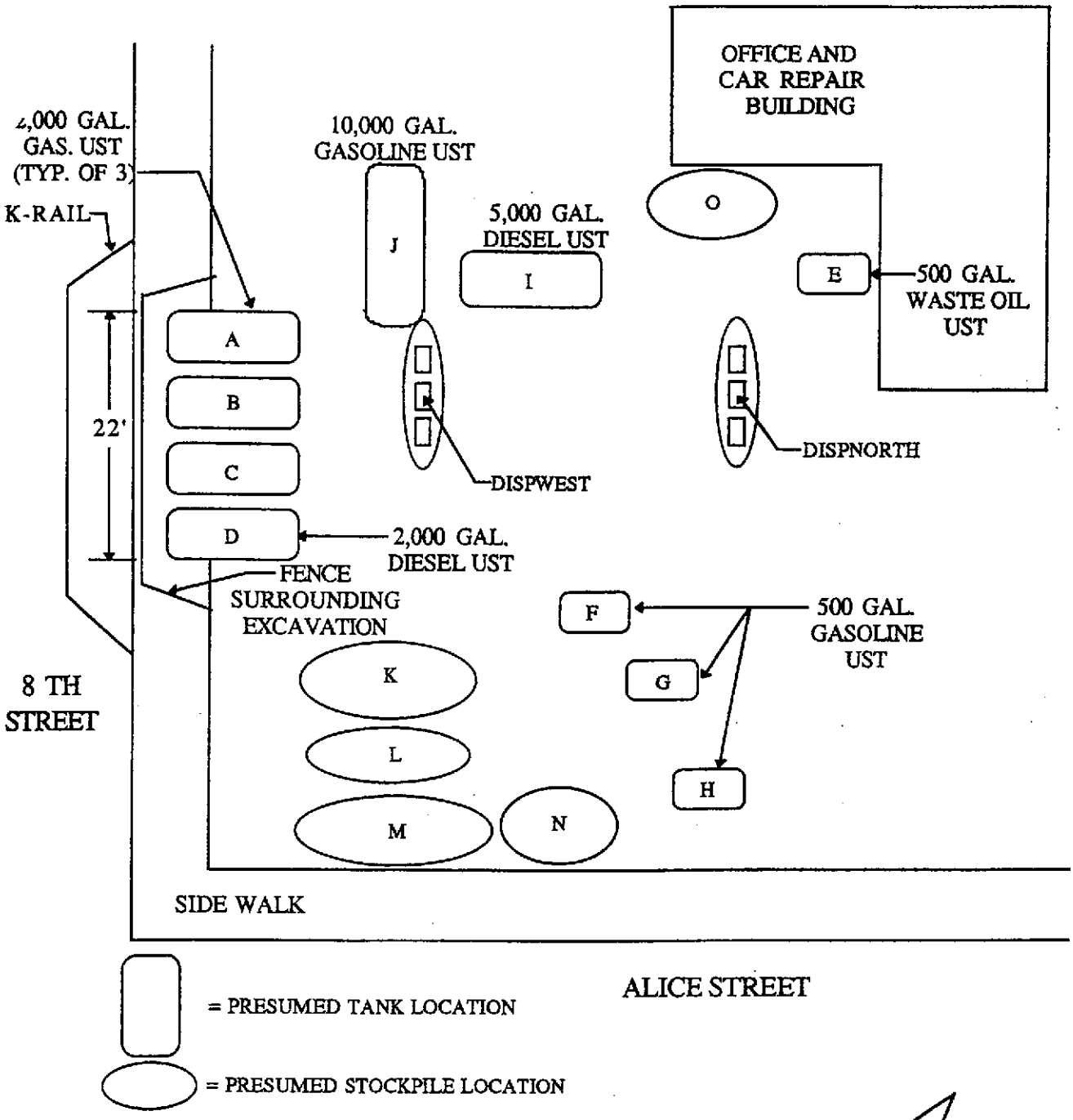
5.0 BACKFILLING AND RESURFACING

Due to the levels of contamination, the excavations have not been backfilled and resurfaced.

6.0 DISCUSSION AND CONCLUSIONS

The following tanks were removed from the site; one 250 gallon waste oil underground storage tank, three 500 gallon gasoline underground storage tanks, one 2,000 diesel underground storage tank, three 2,000 gallon gasoline underground storage tanks, one 5,000 gallon diesel underground storage tank, and one 10,000 gallon gasoline underground storage tank. All of the underground storage tanks were transported as hazardous waste to the Erickson Facility in Richmond California, to be cleaned and disposed of as scrap metal.

Soil samples from the excavations containing tanks A, B, C, D, F, G, H and J showed detectable concentrations of petroleum hydrocarbons, BTEX, and lead. A soil sample from the native material below tank E indicated detectable levels of Nickel and Zinc. Soil samples from the corresponding stockpiled soil (O-STKP) showed detectable levels of Oil & Grease, Chromium, Lead, Nickel, Zinc and Tetrachloroethene. Soil samples from the native material below tank I (5,000 gallon diesel UST) revealed non detectable levels of TPH-Diesel and BTEX. Soil samples form the stockpiles (K-STKP, L-STKP, M-STKP, N-STKP) showed detectable concentrations of petroleum hydrocarbons, BTEX, and lead. An underground storage tank unauthorized release form was prepared by Aqua Science and filed with the Alameda County Health Services Department. A copy of this form is in Appendix D. A copy of the certified laboratory results appear in Appendix C.



= PRESUMED TANK LOCATION

= PRESUMED STOCKPILE LOCATION

STOCKPILE SCHEDULE:

K - STOCKPILED SOIL FROM THE (4) 2,000 GALLON UNDERGROUND STORAGE TANKS.

L - STOCKPILED SOIL FROM THE (1) 5,000 GALLON DIESEL UNDER-GROUND STORAGE TANKS.

M - STOCKPILED SOIL FROM THE (1) 10,000 GALLON GASOLINE UNDERGROUND STORAGE TANK.

N - STOCKPILED SOIL FROM THE (3) 500 GALLON GASOLINE UNDER-GROUND STORAGE TANKS.

O - STOCKPILED SOIL FROM THE (1) 500 GALLON WASTE OIL UNDER-GROUND STORAGE TANK.

N

AQUA SCIENCE ENGINEERS, INC

FIGURE 1: Site Plan
at
250 8th Street
Oakland, California 94607

SCALE: 1" = 20'

APPENDIX A

PERMITS

Project Specialist (print) SUSAN L HUGO

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

ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, CA 94612
Telephone: (415) 874-7237

✓ Removal of Tank and Piping
✓ Sampling
Final Inspection

Issuance of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

Please note change made on page 4 & 5.
Susan L. Hugo 4/1/92

UNDERGROUND TANK CLOSURE PLAN

*** Complete according to attached instructions ***

1. Business Name ____________________

   Business Owner Alice Lim, Edward Lim, and May Lim

2. Site Address 250 8th Street

   City Oakland Zip 94607 Phone (510) 452-3456

3. Mailing Address 250 8th Street

   City Oakland Zip 94607 Phone (510) 452-3456

4. Land Owner Alice Lim, Edward Lim, and May Lim

   Address 250 8th Street City, State Oakland, CA Zip 94607

5. Generator name under which tank will be manifested

   Alice Lim, Edward Lim, and May Lim

   EPA I.D. No. under which tank will be manifested CAC000678456

rev 12/90

6. Contractor Aqua Science Engineers, Inc.

Address 1041 Shary Circle

City Concord, CA Phone (510) 685-6700

License Type A ID# 487000

7. Consultant Aqua Science Engineers, Inc.

Address 1041 Shary Circle

City Concord, CA Phone (510) 685-6700

8. Contact Person for Investigation

Name Craig Hertz Title Project Engineer

Phone (510) 685-6700

9. Number of tanks being closed under this plan 10

Length of piping being removed under this plan Less than 20' per tank

Total number of tanks at facility 10

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. DOHS - 843 Cal Pud-106399 License Exp. Date 4/92

Address 6401 Leona Street

City Oakland State CA Zip 94605

b) Product/Residual Sludge/Rinsate Disposal Site

Name Demenno Kerdoon EPA I.D. No. CAT080013352

Address 2000 N. Alameda

City Compton State CA Zip 90221

c) Tank and Piping Transporter

Name Erickson, Inc. EPA I.D. No. CAD009466392

Hauler License No. 0019 License Exp. Date 5/92

Address 255 Parr Blvd.

City Richmond State CA Zip 94801

d) Tank and Piping Disposal Site

Name Erickson, Inc. EPA I.D. No. CAD009466392

Address 255 Parr Blvd.

City Richmond State CA Zip 94801

11. Experienced Sample Collector

Name Craig Hertz

Company Aqua Science Engineers, Inc.

Address 1041 Shary Circle

City Concord State CA Zip 94518 Phone (510) 685-6700

12. Laboratory

Name Chromalab, Inc.

Address 2239 Omega Rd, #1

City San Ramon State CA Zip 94583

State Certification No. E-694

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

Tanks will be inerted by introducing dry ice into the tank at a rate of at least 1.5 lbs of dry ice per 100 gallons of tank volume. LEL will be checked prior to actual tank pull.

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, groundwater, etc.)	Location and Depth of Samples
Capacity (gallons)	Use History (see instructions)		
(1) 10,000	Gasoline	Soil	2 feet below tank
(1) 5,000	Diesel	Soil	2 feet below tank
(3) 2,000	Gasoline	Soil	2 feet below tank
(1) 2,000	Diesel	Soil	2 feet below tank
(3) 500	Gasoline	Soil	2 feet below tank
(1) 250	Waste Oil	Soil	2 feet below tank
		Groundwater Sample must be collected if present	one soil sample must be collected from each end of the tank, no deeper than 2 ft at tank bottom.

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) 525 Yards	**Sampling Plan** Drive a 6" x 2" brass tube into the soil at each end of the tank, seal ends with aluminum foil and plastic caps, chill in cooler with blue ice. Transport to the labratory under chain of custody procedures and sample for TPH-Gas, TPH-Diesel, BTEX, Total Lead and Oil & Grease. Stockpiled soil must be characterized depending on disposal method.

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

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

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

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
TPH-Gasoline	5030	GC-FID	1.0 ppm (soil)
BTEX	8020	8240	.005 ppm (soil)
TPH-Diesel	3550	GC-FID	1.0 ppm (soil)
Oil & Grease	~~503 D&E~~ 5520 D&F	~~503 D&E~~	~~0.5 ppm~~ 50 ppm (soil)
Total Lead	AA	AA	0.05 ppm
Cl HC Metals: Cd, Cr, Pb, Zn Ni PCB PCP PNA Creosote	3010 or 8240		

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

Name of Insurer Ohio Casualty Group

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) Aqua Science Engineers, Inc.

Signature Craig Hertz

Date March 18, 1992

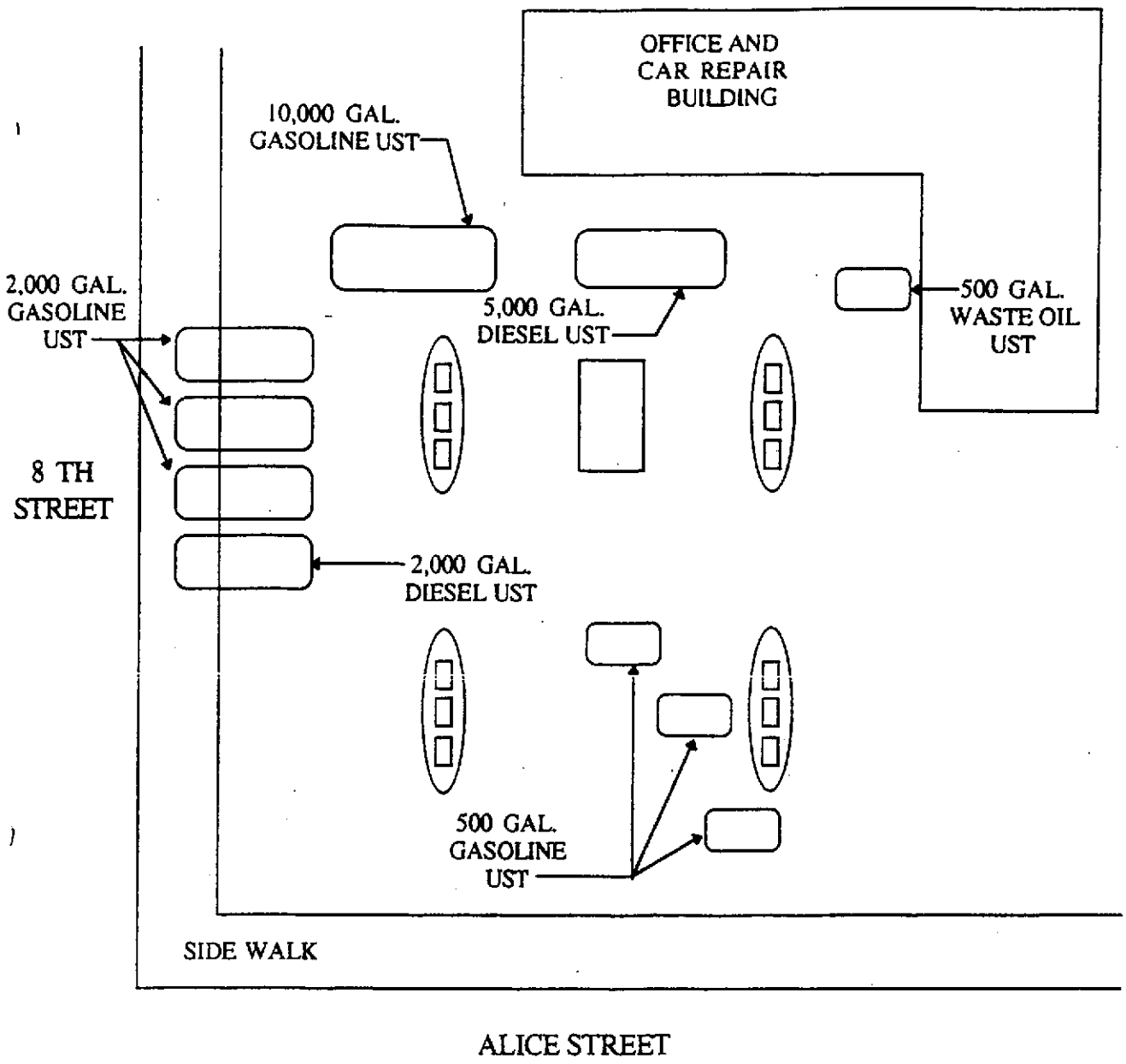
Signature of Site Owner or Operator

Name (please type) Russell Lim

Signature

Date March 18, 1992

rev 12/90



N

= PRESUMED TANK LOCATION

SCALE: 1" = 20'

AQUA SCIENCE ENGINEERS, INC
Plotplan for UST Removal at 250 8th Street Oakland, California 94607

Excavation Pe. _ Granted _____ No. _____

CITY OF OAKLAND

Tank Permit

Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks. No. 9557

Oakland, California, April 8, 1992 19

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

on the N.E. side of 8th Street Street Avenue feet of Alice Street Avenue

House No. 250 - 8th Street Street Avenue Present Storage _____

Owner Edward, Alice & May Lim Address 250 - 8th Street Phone 452-3456

Applicant Aqua Science Engineers, Inc. Address 1041 Shary Circle Concord 94518 Phone 685-6700

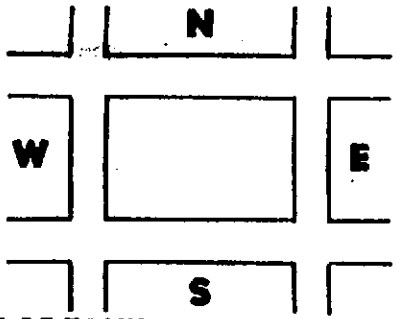
Dimensions of street (sidewalk) surface to be disturbed 30' x 3' Number of Tanks 1 Capacity 10,000
1 5,000
4 2,000
3 500
1 250 Gallons, each.

Remarks: _____

This Permit is granted in accordance with existing City Ordinances.
Owner hereby agrees to remove tanks on discontinuance of use or when notified by the City Authorities.
When installing, removing or repairing tanks, no open flame to be on or near premises.

Approved _____ Fire Marshal

Approved _____ Drainage Division Engineering Dept.



EXCAVATING PERMIT

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

_____ square feet of digging or removal granted.

The receipt of $ _____ special deposit is hereby acknowledged.

GENERAL DEPOSIT.

BUREAU OF PERMITS AND LICENSES.

CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Inspected and passed on _____ 19 _____

By _____ Fire Marshal

Inspection Fee Paid . . . . . $440.00 ck#014695 rec#665505

Received by G. M. Johnson FIRE PREVENTION BUREAU

NOTICE

Before Covering Tanks, Above Certificate Must Be Signed.

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

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

536-88 (6-87)

CITY OF OAKLAND
PERMIT TO EXCAVATE IN STREETS OR OTHER WORK AS SPECIFIED

LOCATION OF WORK: _____ (Street or Address) BETWEEN _____ (Street/Ave.) AND _____ (Specify)

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

APPLICANT _____

ADDRESS _____ PHONE #: _____

TYPE OF WORK: GAS____ ELECTRIC____ WATER____ TELEPHONE____ CABLE TV____ SEWER____ OTHER _____ (Specify)

NATURE OF WORK: _____

OWNER/BUILDER

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 it's 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. 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 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&PC for this reason _____

Signature _____ Date _____

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 _____

☐ Certified copy is hereby furnished.

☑ Certified copy is filed with the city building inspection dept.

Signature _____ Date _____

(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 _____ Date _____

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.

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

Approximate Starting Date DATE _____

Approximate Completion Date DATE _____

HOLIDAY RESTRICTION (1 NOV — 1 JAN) YES ☑ NO ☐

LIMITED OPERATION AREA (7AM – 9AM / 4PM – 6PM) YES ☑ NO ☐

DATE STREET LAST RESURFACED DATE _____

SPECIAL PAVING DETAIL REQUIRED YES ☐ NO ☒

24-HOUR EMERGENCY PHONE NUMBER _____

PERMIT NOT VALID WITHOUT 24 HOUR NUMBER.

Telephone 238-3868 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 _____

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 _____ CITY BUSINESS TAX # _____

X _____ Date _____

Signature of Contractor (Owner) or Agent

☐ Agent for ☑ Contractor ☐ Owner

OFFICIAL USE ONLY

UTILITY COMPANY REPORT

Supervisor _____

Completion Date _____

CITY INSPECTOR'S REPORT

	BACKFILL	PAVING
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 _____ Date

APPROVED

Engineering Services _____ Date _____

Planning _____ Date _____

Field Services _____ Date _____

Construction _____ Date _____

Traffic Engineering _____ Date _____

Electrical Engineering _____ Date _____

DIRECTOR OF PUBLIC WORKS

APPROVED BY: _____

DATE: _____

EXTENSION GRANTED BY: _____

DATE: _____

ACKNOWLEDGMENT

Bay Area Air Quality Management District acknowledges receipt of your Tank Removal/Contaminated Soil Excavation Notification Form received on 4/24/92 BLy.

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

NOTIFICATION FORM

X Removal or Replacement of Tanks
___ Excavation of Contaminated Soil

ORMATION

CITY, STATE [illegible] ZIP 94607

OWNER NAME Alice Lim, Edward Lim, and May Lim

SPECIFIC LOCATION OF PROJECT Northern Corner Lot of Alice Street and 8th Street

TANK REMOVAL

SCHEDULED STARTUP DATE 4/29

VAPORS REMOVED BY:

[ ] WATER WASH
[X] VAPOR FREEING (CO^2)
[ ] VENTILATION

CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE _____

STOCKPILES WILL BE COVERED? YES ___ NO ___

ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):

_____
(MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME Aqua Science Engineers, Inc. CONTACT Craig Hertz

ADDRESS 1041 Shary Circle PHONE (510) 685-6700

CITY, STATE, ZIP Concord, CA 94518

CONSULTANT INFORMATION
(IF APPLICABLE)

NAME Aqua Science Engineers, Inc. CONTACT Craig Hertz

ADDRESS 1041 Shary Circle PHONE (510) 685-6700

CITY, STATE, ZIP Concord, CA 94518

FOR OFFICE USE ONLY

DATE RECEIVED FAX 4/24/92 BY BLy (Init.)

DATE POSTMARKED _____ BY _____ (Init.)

CC: INSPECTOR NO. 524 DATE 4/28/92 BY BLy (Init.)

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

BAAQMD N # _____ DATA ENTRY 4/29/92

1/94

See reverse for instructions

Permit Application and Job Notification Form

Construction Demolition Trenches Excavations Buildings Structures Falsework Scaffolding

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

District (Name) Alameda County
Date April 24, 1992
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 Aqua Science Engineers
Address: 1041 Shary Circle
Concord, CA 94518
Phone: (510) 685-6700

Project Safety Contact: Craig Hertz
Employer's Representative: Jerry Sasse
Title & Phone No: V.P. (510) 685-6700
Employer's State Contractor's License No.: 487000

Check Applicable Items: "Applicant" refers to the employer applying for the Permit.

Applicant is:
___ General Building Contractor
___ General Engineering Contractor
_X_ Specialty Contractor
Specialty Contractor Type Haz
___ Other:

___ 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 election. 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:

___ **Annual**
___ **Single Project**
_X_ **Job Start Notification Only**

___ **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:
___ **Construction of:** ___ Building ___ Structure
_X_ **Demolition of:** ___ Building _X_ Structure
_X_ Trench and/or Excavation
___ Tower Crane Erection, Dismantling
___ Scaffolding and/or Falsework and/or Vertical Shoring

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 conditioned 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, Section 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 _X_ If "yes" give details: ___

Have any permits for any project to be covered by this permit application previously been applied for or obtained? Yes ___ No. _X_ If "yes," when ___ ; from what district office ___ in whose name ___

Permit Application and Job Notification Form (Continued)

Specific jobsite location 250 8th Street
Oakland, CA 94607
Nearest major cross street Alice Street
City Oakland
County Alameda County
Name and title of jobsite supervisor Steve De Hope

Field phone (510) 409-3536
Office phone (510) 685-6700
No. of employees 3
Starting date April 30, 1992
Anticipated completion date May 15, 1992
High Voltage Lines in Proximity ___ No X Yes

TYPE OF JOB

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

Construction of: ___ Building ___ Structure Type: ___ ___ Steel Frame ___ Tiered ___ Concrete
___ Tilt-up ___ Wood frame ___ Liftslab ___ Precast ___ Slip Form ___ Depth ___ No. of Stories
Description ___

Scaffolding Height ___ ___ Metal ___ Wood ___ Metal over 125 ft.
___ Wood over 60 ft. (require design by California Registered Civil Engineer, plans at site.) [CSO 1643, 1644(c)(7)]
Job description ___

Falsework/Vertical Shoring Maximum Height ___ Maximum Span ___ Material ___
Job description ___

Tower Crane Erection/Dismantling
Maximum Radius ___ Capacity ___ Make and model of crane ___
Foundation and/or support(s) for crane on this site designed/constructed by (see Section 1584(a), CSO): ___
Will crane be stepped or jumped as construction proceeds (see CSO Section 1584.1) ___Yes ___No
Name of crane certifier ___

Demolition of: ___ Building Structure Type: Canopie Height 25' No. of Stories ___
___ Steel frame ___ Wood frame ___ Concrete ___ Demolition Ball ___ Clam ___ Explosives
___ Loader/tractors Other Steel and plastic
CSO Article 31 - Demolition

Excavations/Trenches Depth range (min./max) 10' Width range (min./max.) 10' Total Length 10'
Ground Protection Method: Shoring ___ Sloping X Trench Shield ___ Alternate ___
Project description: Removal of 10 underground storage tanks. (Gas Station)

Division Use Only

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: ___
Title: Project Engineer
Date: April 16, 1992

B9201101 **SE USE BALL POINT PEN!** **RETURN ALL COPIES.**

B9201101

DEPARTMENT
OR

BUILDING PERMIT APPLICATION

THIS IS YOUR PERMIT WHEN PROPERLY FILLED OUT, SIGNED, VALIDATED & FEES PAID.

BUILDING ADDRESS 250 8th Street
TRACT BLOCK PAGE LOT PARCEL

OWNER
NAME Alice, Edward, & May LIM
ADDRESS 250 8th Street PHONE 452-3456
CITY Oakland ST CA ZIP 94607
TENANT'S NAME AND TELEPHONE NUMBER (IF APPLICABLE)

ARCH. ENGR.
NAME LICENSE #
ADDRESS PHONE
CITY ST. ZIP

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 487000 B & C57 CITY BUSINESS TAX#
CONTRACTOR NAME AQua Science Engineers
ADDRESS 1041 Shary Circle
CITY Concord ST. Ca ZIP 94518 PHONE 685-6700
SIGNATURE Craig Hert DATE 3/25/91

OWNER/BUILDER
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. 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 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 of Owner or Authorized Agent Date

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
☐ Certified copy is hereby furnished.
☐ Certified copy is filed with the city building inspection department.
Signature X Date
(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 Date

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 comply with such provisions or this permit shall be deemed revoked.

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).
LENDERS NAME
LENDERS ADDRESS

I CERTIFY THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION GIVEN IS TRUE AND CORRECT. I AGREE TO COMPLY WITH ALL LOCAL ORDINANCES AND STATE LAWS RELATING TO BUILDING CONSTRUCTION AND I MAKE THIS STATEMENT UNDER PENALTY OF LAW. I HEREBY AUTHORIZE REPRESENTATIVES OF THIS CITY TO ENTER UPON THE ABOVE MENTIONED PROPERTY FOR INSPECTION PURPOSES. NOTICE!! THIS PERMIT WILL EXPIRE BY LIMITATION IF WORK IS NOT STARTED IN 180 DAYS OR IF WORK IS ABANDONED FOR MORE THAN 180 DAYS. DO NOT CONCEAL OR COVER ANY CONSTRUCTION UNTIL THE WORK IS INSPECTED AND THE INSPECTION IS RECORDED ON THE BACK OF THE JOB COPY OF THIS PERMIT. ALL INSPECTION REQUESTS ARE REQUIRED 24 HOURS IN ADVANCE OF THIS INSPECTION.
I hereby agree to save, indemnify and keep harmless the City of Oakland and its officers, employees and agents against all liabilities, judgments, costs and expenses which may accrue against the City in consequence of the granting of this permit or from the use or occupancy of any sidewalk, street or subsidewalk, or otherwise by virtue thereof, and will in all things strictly comply with the conditions under which this permit is granted.
☐ Contractor
☐ Owner X Craig Hert Date 3/25/91
Signature of Contractor or Owner or Agent
Craig Hertz

B9201101

APPL	30.00
BUILDING	166.00
PROCESS	225.00
MICR	4.98
SUBTL	425.98

Permit No. B
Call for Inspection 273-3444
DATE ISSUED CHECKED 425.98
☐ NEW ☐ REPAIR ITEM ☐ ADDITION
☐ MOVE 02-26-92 ☒ ALTERATION ZCL ☒ DEMOLITION 14:42TH
☐ OTHER

DESCRIBE BRIEFLY ALL PROPOSED CONSTRUCTION WORK.
Abandoned Gas station - remove canopies & cashiers Hut. (DEMO)

Plan Filed 0 Survey filed
Size of Bldg. 1060 No. of Stories 1
Number of Units 0 Height at Highest Point
Proposed Use of Bldg. N/A Vacant Serv. stat.
Present Use of Bldg. Vacant serv. stat.
Number of Bldgs. on lot 2 Use of each B-2
Lot Size
TYPE OF BUILDING I II III IV (V) F.R. H.T. (1 hr) N
OCCUPANCY GROUP A__ B 2 E__ H__ I__ R__ M__
FIRE SPRINKLERS ____ SPECIAL INSPECTION REQUIRED ____
ZONING R 80 C____ M____ S____
Roof Covering
Exterior Wall
Valuation of Proposed Work $
Include all labor and materials, all lighting, heating, ventilation, water supply, plumbing, electrical, fire sprinklers, elevator equipment therein and thereon.

OFFICIAL USE ONLY

VALUE:	Appl. Fee	$ 30.00
	Checking Fee	$
	B.R. Tax	$
	Pl. Pl. Rev.	$
$	TOTAL	$
	General Fee	$ 166.00
	Processing Fee	$ 225.00
	State Regs	$
	Mic. Sur.	$ 4.98
	SMIP	$
ADDITIONAL COST:	Address Fee	$
$	TOTAL	$ 425.98
Date	Add'l Fee	$
	Add'l Ch Fee	$
	Add'l State Regs.	$
TOTAL VALUE:	Add'l Sur.	$
$	Add'l SMIP	$
	TOTAL	$

			DATE
		LICENSE/OWNER VERIFICATION	
BJ	X	ZONING & PLANNING NO.	25 MARCH 91
		FIRE MARSHAL	
		HEALTH DEPT.	
		PORT OF OAKLAND	
		HOUSING CONSERVATION	
		MOVING PERMIT NO.	
		SPECIAL ACTIVITY NO.	
		BE&A ITEM NO.	
		HA&AB RES. NO.	
		HANDICAP APPEALS	
		OTHER-	

APPL REC'D BY CB | APPL FILED CHKD BY DATE | PLAN CHECKED BY DATE

PERMIT NO. B 9201101 | DISTRICT NO. LM | ADDRESS 250 8th St. | DATE FILED 3-25-91

APPENDIX B

HAZARDOUS WASTE MANIFEST

Toxic Substances Control Division
Sacramento, California

Please print or type. *Form designed for use on elite (12-pitch typewriter).*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAC000678456 Manifest Document No. 88283

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Alice, Edward, AND MAY Lim 250 8th Street
OAKLAND, CALIFORNIA 94607

A. State Manifest Document Number 90648283

4. Generator's Phone 510) 452-3456

B. State Generator's ID

5. Transporter 1 Company Name: ERICKSON INC.

6. US EPA ID Number: CAD009466392

C. State Transporter's ID 205701

D. Transporter's Phone (510) 235-1393

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Erickson, Inc.
255 Parr Blvd.
Richmond, Ca. 94801

10. US EPA ID Number: C|A|D|0|0|9|4|6|6|3|9|2

G. State Facility's ID CAD009466392

H. Facility's Phone (510) 235-1393

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid.	008	TP	12000	P	State 512 / EPA/Other NONE
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Qty. Empty Storage Tank (s) #8633, 8634, 8635
8636, 8637 Tank (s) have been inerted with 15 lbs. Dry Ice per 1000 Cal. Capacity
ALSO TANK #'S 8638, 8639, AND 8640

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
Keep away from sources of ignition. Always wear hardhats when working around U.S.T.'s 24 Hr. Contact Name Edward Lim & Phone (510)452-3456

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: AGENTS FOR ALICE, MAY, STEVE DeHaas, AND EDWARD LIM — Signature — Month Day Year: 050792

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Robert Hainey, Erickson Inc. — Signature — Month Day Year: 050792

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

DHS 8022 A
A 8700—22
v. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

YELLOW: GENERATOR RE

Form Approved OMB No. 2050-0039 (Expires 9-30-91) L0207 and Front of Page 7 Toxic Substances Control Division
Please print or type. *Form designed for use on elite (12-pitch typewriter)* Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAC000678456 Manifest Document No. 48286
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Alice, Edward, and May Lim 250 8th Street Oakland, California 94607
4. Generator's Phone (510) 452-3456

A. State Manifest Document Number 90648286
B. State Generator's ID

5. Transporter 1 Company Name: Erickson Inc.
6. US EPA ID Number: CAD009466392
7. Transporter 2 Company Name
8. US EPA ID Number

C. State Transporter's ID 205169
D. Transporter's Phone (510) 235-1393
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
Erickson, Inc.
255 Parr Blvd.
Richmond, Ca. 94801

10. US EPA ID Number CAD009466392

G. State Facility's ID CAD009466392
H. Facility's Phone (510) 235-1393

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Empty Storage Tank ~~NON-RCRA Hazardous Waste Solid.~~	002	TP	15000	P	State 512 EPA/Other NONE
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
Qty. TWO Empty Storage Tank (s) #1K, 8K, 10K
_____ _____ Tank (s) have been inerted with 15 lbs. Dry Ice per 1000 Gal. Capacity. And Associated Pipe

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
Keep away from sources of ignition. Always wear hardhats when working around U.S.T.'s 24 Hr. Contact Name EDWARD LIM & Phone (510) 452-3456

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Steve DeHope, A.S.I. Agent for Alice, May and Edward Lim | Signature | Month Day Year 05 07 92

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jerry Hulsey, Erickson Inc. | Signature | Month Day Year 05 07 92

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

GENERATOR / TRANSPORTER / FACILITY

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

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

UNIFORM HAZARDOUS WASTE MANIFEST

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

3. Generator's Name and Mailing Address ALICE, EDWARD AND MAY LIM [illegible] ST OAKLAND CA 94607
A. State Manifest Document Number 91024821
4. Generator's Phone [illegible]
B. State Generator's ID
5. Transporter 1 Company Name [illegible]
6. US EPA ID Number [illegible]
C. State Transporter's ID
D. Transporter's Phone
7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone
9. Designated Facility Name and Site Address DEMENNO KERDOON [illegible] ALAMEDA COMPTON CA
10. US EPA ID Number CAT[illegible]
G. State Facility's ID
H. Facility's Phone [illegible]

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. PETROLEUM OIL N.O.S. (WASTE OIL) COMBUSTIBLE LIQUID NA 1270	01	T[illegible]	350	G	State [illegible] EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WEAR PROTECTIVE CLOTHING

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Steve [illegible] FOR Alice, Ed, M. Lim | Signature: [signature] | Month Day Year: 01 12 92

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MONICA FALCON | Signature: [signature] | Month Day Year: [illegible]

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

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

GENERATOR / TRANSPORTER / FACILITY

APPENDIX C

LABORATORY ANALYSIS
and
CHAIN OF CUSTODY SHEET

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

Date: May. 12, 1992

AQUA SCIENCE ENGINEERS, INC.

Attn: Craig Hertz

Re: Twenty two soil samples for Gasoline/BTEX, Diesel and Oil & Grease analyses.

Project name: Lim -Oakland
Project Location: 250 8th St. -Oakland, CA.
Project number: 2513

Date sampled:May 07, 1992
Date extracted:May. 08-11, 1992
Date submitted:May 08, 1992
Date analyzed:May. 08-11, 1992

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)
A1NE	10000	---	6200	19000	22000	140000	---
A1SW	5300	---	1000	13000	14000	46000	---
B2NE	6300	---	2600	21000	15000	97000	---
B2SW	4900	---	2300	20000	18000	93000	---
C3NE	2000	---	1700	4700	9300	24000	---
C3SW	3300	---	3900	20000	18000	73000	---
D4NE	---	880	1500	1200	1200	33000	---
D4SW	---	5900	3100	2000	3700	19000	---
E5	N.D.	N.D.	---	---	---	---	N.D.
F6	2400	---	680	1900	3600	11000	---
G7	2700	---	3800	5000	11000	22000	---
H8	N.D.	---	N.D.	N.D.	N.D.	N.D.	---
I9NE	---	N.D.	N.D.	N.D.	N.D.	N.D.	---
I9SW	---	N.D.	N.D.	N.D.	N.D.	N.D.	---
J10NW	110	---	2000	4200	2800	15000	---
J10SE	1.0	---	26	12	20	57	---
K-Stkp *	1100	860	780	980	1700	7200	---
L-Stkp *	---	42	N.D.	5.1	17	34	---
M-Stkp *	6.2	---	N.D.	5.5	7.2	47	---
O-Stkp *	N.D.	N.D.	---	---	---	---	440
DispNorth	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	---
DispWest	570	300	450	240	2200	14000	---

* Composited soil samples.

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

Precision Environmental Analytical Laboratory

PEL # 0592008

QA / QC REPORT

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)
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	98.9%	100.5%	98.3%	86.7%	91.7%	82.0%	----
Duplicate spiked Recovery	101.4%	88.5%	89.3%	87.2%	91.5%	103.2%	----
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

David Duong
Laboratory Director

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

Precision Environmental Analytical Laboratory

Date: May 15, 1992

PEL # 0592008

AQUA SCIENCE ENGINEERS, INC.

Attn: Craig Hertz
Re: Eighteen soil samples for Cadmium, Chromium, Lead, Nickel, and Zinc analyses.

Project name: LIM -Oakland
Project location: 250 8th St. -Oakland
Project number: 2513

Date sampled:May 07, 1992
Date extracted:May 12-15, 1992
Date submitted:May 08, 1992
Date analyzed:May 12-15, 1992

RESULTS:

SAMPLE I.D.	Cadmium (mg/Kg)	Chromium (mg/Kg)	Lead (mg/Kg)	Nickel (mg/Kg)	Zinc (mg/Kg)
A1NE	---	---	N.D.	---	---
A1SW	---	---	4.6	---	---
B2NE	---	---	N.D.	---	---
B2SW	---	---	N.D.	---	---
C3NE	---	---	1.2	---	---
C3SW	---	---	2.0	---	---
E5	N.D.	N.D.	N.D.	24	12
F6	---	---	2.2	---	---
G7	---	---	N.D.	---	---
H8	---	---	1.8	---	---
J10NW	---	---	N.D.	---	---
J10SE	---	---	N.D.	---	---
K-Stkp	---	---	78	---	---
M-Stkp	---	---	24	---	---
N-Stkp	---	---	46	---	---
O-Stkp	N.D.	6.0	320	22	150
DispNorth	---	---	110	---	---
DispWest	---	---	4.8	---	---
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	92.1%	104.3%	90.9%	100.7%	98.4%
Detection limit	1.0	1.0	0.5	1.0	1.0
Method of Analysis	7130	7190	7420	7520	7950

David Duong
Laboratory Director

PRIORITY ENVIRONMENTAL LABS

SAMPLE ID: E5
CLIENT PROJ. ID: 0592008
DATE SAMPLED: 05/08/92
DATE RECEIVED: 05/08/92
REPORT DATE: 05/27/92

QUANTEQ LAB NO: 9205077-01A
QUANTEQ JOB NO: 9205077
DATE ANALYZED: 05/15-18/92
INSTRUMENT: 12

EPA METHOD 8240 (SOIL MATRIX)
GC/MS VOLATILE ORGANIC COMPOUNDS

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Acetone	67-64-1	ND	100
Benzene	71-43-2	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	10
2-Butanone	78-93-3	ND	100
Carbon Disulfide	75-15-0	ND	10
Carbon Tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	10
2-Chloroethyl Vinyl Ether	110-75-8	ND	10
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	10
Dibromochloromethane	124-48-1	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5
1,2-Dichloropropane	78-87-5	ND	5
cis-1,3-Dichloropropene	10061-01-5	ND	5
trans-1,3-Dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
2-Hexanone	591-78-6	ND	50
Methylene Chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	50
Styrene	100-42-5	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Vinyl Acetate	108-05-4	ND	50
Vinyl Chloride	75-01-4	ND	10
Xylenes, total	1330-20-7	ND	10

ND = Not Detected
Duplicate sample analyses show surrogate recoveries outside Q.C. limits; therefore all results are estimated concentrations.

PRIORITY ENVIRONMENTAL LABS

SAMPLE ID: O-STKP
CLIENT PROJ. ID: 0592008
DATE SAMPLED: 05/08/92
DATE RECEIVED: 05/08/92
REPORT DATE: 05/27/92

QUANTEQ LAB NO: 9205077-02A
QUANTEQ JOB NO: 9205077
DATE ANALYZED: 05/15-18/92
INSTRUMENT: 12

EPA METHOD 8240 (SOIL MATRIX)
GC/MS VOLATILE ORGANIC COMPOUNDS

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Acetone	67-64-1	ND	100
Benzene	71-43-2	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	10
2-Butanone	78-93-3	ND	100
Carbon Disulfide	75-15-0	ND	10
Carbon Tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	10
2-Chloroethyl Vinyl Ether	110-75-8	ND	10
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	10
Dibromochloromethane	124-48-1	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5
1,2-Dichloropropane	78-87-5	ND	5
cis-1,3-Dichloropropene	10061-01-5	ND	5
trans-1,3-Dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
2-Hexanone	591-78-6	ND	50
Methylene Chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	50
Styrene	100-42-5	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	16	5
Toluene	108-88-3	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Vinyl Acetate	108-05-4	ND	50
Vinyl Chloride	75-01-4	ND	10
Xylenes, total	1330-20-7	ND	10

ND = Not Detected
Duplicate sample analyses show surrogate recoveries outside Q.C. limits; therefore all results are estimated concentrations.

PRIORITY ENVIRONMENTAL LABS

SAMPLE ID: E5
CLIENT PROJ. ID: 0592008
DATE SAMPLED: 05/08/92
DATE RECEIVED: 05/08/92
REPORT DATE: 05/27/92

QUANTEQ LAB NO: 9205077-01A
QUANTEQ JOB NO: 9205077
DATE EXTRACTED: 05/14/92
DATE ANALYZED: 05/15/92
INSTRUMENT: 11

EPA METHOD 8270 (SOIL MATRIX)
GC/MS SEMI-VOLATILE ORGANIC COMPOUNDS
BASE/NEUTRAL EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Acenaphthene	83-32-9	ND	330
Acenaphthylene	208-96-8	ND	330
Anthracene	120-12-7	ND	330
Benzidine	92-87-5	ND	1600
Benzoic Acid	65-85-0	ND	1600
Benzo(a)anthracene	56-55-3	ND	330
Benzo(b)fluoranthene	205-99-2	ND	330
Benzo(k)fluoranthene	207-08-9	ND	330
Benzo(g,h,i)perylene	191-24-2	ND	330
Benzo(a)pyrene	50-32-8	ND	330
Benzyl Alcohol	100-51-6	ND	660
Bis(2-chloroethoxy) methane	111-91-1	ND	330
Bis(2-chloroethyl)ether	111-44-4	ND	330
Bis(2-chloroisopropyl) ether	108-60-1	ND	330
Bis(2-ethylhexyl) phthalate	117-81-7	ND	330
4-Bromophenyl phenyl ether	101-55-3	ND	330
Butylbenzyl phthalate	85-68-7	ND	330
4-Chloroaniline	106-47-8	ND	660
2-Chloronaphthalene	91-58-7	ND	330
4-Chlorophenyl phenyl ether	7005-72-3	ND	330
Chrysene	218-01-9	ND	330
Dibenzo(a,h)anthracene	53-70-3	ND	330
Dibenzofuran	132-64-9	ND	330
Di-n-butylphthalate	84-74-2	ND	330
1,2-Dichlorobenzene	95-50-1	ND	330

ND = Not Detected

PRIORITY ENVIRONMENTAL LABS

SAMPLE ID: E5
CLIENT PROJ. ID: 0592008
DATE SAMPLED: 05/08/92
DATE RECEIVED: 05/08/92
REPORT DATE: 05/27/92

QUANTEQ LAB NO: 9205077-01A
QUANTEQ JOB NO: 9205077
DATE EXTRACTED: 05/14/92
DATE ANALYZED: 05/15/92
INSTRUMENT: 11

EPA METHOD 8270
BASE/NEUTRAL EXTRACTABLES (cont.)

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
1,3-Dichlorobenzene	541-73-1	ND	330
1,4-Dichlorobenzene	106-46-7	ND	330
3,3'-Dichlorobenzidine	91-94-1	ND	660
Diethylphthalate	84-66-2	ND	330
Dimethylphthalate	131-11-3	ND	330
2,4-Dinitrotoluene	121-14-2	ND	330
2,6-Dinitrotoluene	606-20-2	ND	330
Di-n-octylphthalate	117-84-0	ND	330
1,2-Diphenylhydrazine	122-66-7	ND	330
Fluoranthene	206-44-0	ND	330
Fluorene	86-73-7	ND	330
Hexachlorobenzene	118-74-1	ND	330
Hexachlorobutadiene	87-68-3	ND	330
Hexachlorocyclopentadiene	77-47-4	ND	330
Hexachloroethane	67-72-1	ND	330
Indeno(1,2,3-cd)pyrene	193-39-5	ND	330
Isophorone	78-59-1	ND	330
2-Methylnaphthalene	91-57-6	ND	330
Naphthalene	91-20-3	ND	330
2-Nitroaniline	88-74-4	ND	1600
3-Nitroaniline	99-09-2	ND	1600
4-Nitroaniline	100-01-6	ND	1600
Nitrobenzene	98-95-3	ND	330
N-Nitrosodimethylamine	62-75-9	ND	330
N-Nitrosodiphenylamine	86-30-6	ND	330
N-Nitroso-di-n-propylamine	621-64-7	ND	330
Phenanthrene	85-01-8	ND	330
Pyrene	129-00-0	ND	330
1,2,4-Trichlorobenzene	120-82-1	ND	330

ND = Not Detected

PRIORITY ENVIRONMENTAL LABS

SAMPLE ID: E5
CLIENT PROJ. ID: 0592008
DATE SAMPLED: 05/08/92
DATE RECEIVED: 05/08/92
REPORT DATE: 05/27/92

QUANTEQ LAB NO: 9205077-01A
QUANTEQ JOB NO: 9205077
DATE EXTRACTED: 05/14/92
DATE ANALYZED: 05/15/92
INSTRUMENT: 11

EPA METHOD 8270
ACID EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
4-Chloro-3-methylphenol	59-50-7	ND	330
2-Chlorophenol	95-57-8	ND	330
2,4-Dichlorophenol	120-83-2	ND	330
2,4-Dimethylphenol	105-67-9	ND	330
4,6-Dinitro-2-methylphenol	534-52-1	ND	1600
2,4-Dinitrophenol	51-28-5	ND	1600
2-Methylphenol	95-48-7	ND	330
4-Methylphenol	106-44-5	ND	330
2-Nitrophenol	88-75-5	ND	330
4-Nitrophenol	100-02-7	ND	1600
Pentachlorophenol	87-86-5	ND	1600
Phenol	108-95-2	ND	330
2,4,5-Trichlorophenol	95-95-4	ND	330
2,4,6-Trichlorophenol	88-06-2	ND	330

ND = Not Detected

PRIORITY ENVIRONMENTAL LABS

SAMPLE ID: O-STKP
CLIENT PROJ. ID: 0592008
DATE SAMPLED: 05/08/92
DATE RECEIVED: 05/08/92
REPORT DATE: 05/27/92

QUANTEQ LAB NO: 9205077-02A
QUANTEQ JOB NO: 9205077
DATE EXTRACTED: 05/14/92
DATE ANALYZED: 05/15/92
INSTRUMENT: 11

EPA METHOD 8270 (SOIL MATRIX)
GC/MS SEMI-VOLATILE ORGANIC COMPOUNDS
BASE/NEUTRAL EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Acenaphthene	83-32-9	ND	330
Acenaphthylene	208-96-8	ND	330
Anthracene	120-12-7	ND	330
Benzidine	92-87-5	ND	1600
Benzoic Acid	65-85-0	ND	1600
Benzo(a)anthracene	56-55-3	ND	330
Benzo(b)fluoranthene	205-99-2	ND	330
Benzo(k)fluoranthene	207-08-9	ND	330
Benzo(g,h,i)perylene	191-24-2	ND	330
Benzo(a)pyrene	50-32-8	ND	330
Benzyl Alcohol	100-51-6	ND	660
Bis(2-chloroethoxy) methane	111-91-1	ND	330
Bis(2-chloroethyl)ether	111-44-4	ND	330
Bis(2-chloroisopropyl) ether	108-60-1	ND	330
Bis(2-ethylhexyl) phthalate	117-81-7	ND	330
4-Bromophenyl phenyl ether	101-55-3	ND	330
Butylbenzyl phthalate	85-68-7	ND	330
4-Chloroaniline	106-47-8	ND	660
2-Chloronaphthalene	91-58-7	ND	330
4-Chlorophenyl phenyl ether	7005-72-3	ND	330
Chrysene	218-01-9	ND	330
Dibenzo(a,h)anthracene	53-70-3	ND	330
Dibenzofuran	132-64-9	ND	330
Di-n-butylphthalate	84-74-2	ND	330
1,2-Dichlorobenzene	95-50-1	ND	330

ND = Not Detected

PRIORITY ENVIRONMENTAL LABS

SAMPLE ID: O-STKP
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QUANTEQ JOB NO: 9205077
DATE EXTRACTED: 05/14/92
DATE ANALYZED: 05/15/92
INSTRUMENT: 11

EPA METHOD 8270
BASE/NEUTRAL EXTRACTABLES (cont.)

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
1,3-Dichlorobenzene	541-73-1	ND	330
1,4-Dichlorobenzene	106-46-7	ND	330
3,3'-Dichlorobenzidine	91-94-1	ND	660
Diethylphthalate	84-66-2	ND	330
Dimethylphthalate	131-11-3	ND	330
2,4-Dinitrotoluene	121-14-2	ND	330
2,6-Dinitrotoluene	606-20-2	ND	330
Di-n-octylphthalate	117-84-0	ND	330
1,2-Diphenylhydrazine	122-66-7	ND	330
Fluoranthene	206-44-0	ND	330
Fluorene	86-73-7	ND	330
Hexachlorobenzene	118-74-1	ND	330
Hexachlorobutadiene	87-68-3	ND	330
Hexachlorocyclopentadiene	77-47-4	ND	330
Hexachloroethane	67-72-1	ND	330
Indeno(1,2,3-cd)pyrene	193-39-5	ND	330
Isophorone	78-59-1	ND	330
2-Methylnaphthalene	91-57-6	ND	330
Naphthalene	91-20-3	ND	330
2-Nitroaniline	88-74-4	ND	1600
3-Nitroaniline	99-09-2	ND	1600
4-Nitroaniline	100-01-6	ND	1600
Nitrobenzene	98-95-3	ND	330
N-Nitrosodimethylamine	62-75-9	ND	330
N-Nitrosodiphenylamine	86-30-6	ND	330
N-Nitroso-di-n-propylamine	621-64-7	ND	330
Phenanthrene	85-01-8	ND	330
Pyrene	129-00-0	ND	330
1,2,4-Trichlorobenzene	120-82-1	ND	330

ND = Not Detected

PRIORITY ENVIRONMENTAL LABS

SAMPLE ID: O-STKP
CLIENT PROJ. ID: 0592008
DATE SAMPLED: 05/08/92
DATE RECEIVED: 05/08/92
REPORT DATE: 05/27/92

QUANTEQ LAB NO: 9205077-02A
QUANTEQ JOB NO: 9205077
DATE EXTRACTED: 05/14/92
DATE ANALYZED: 05/15/92
INSTRUMENT: 11

EPA METHOD 8270
ACID EXTRACTABLES

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
4-Chloro-3-methylphenol	59-50-7	ND	330
2-Chlorophenol	95-57-8	ND	330
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2,4-Dimethylphenol	105-67-9	ND	330
4,6-Dinitro-2-methylphenol	534-52-1	ND	1600
2,4-Dinitrophenol	51-28-5	ND	1600
2-Methylphenol	95-48-7	ND	330
4-Methylphenol	106-44-5	ND	330
2-Nitrophenol	88-75-5	ND	330
4-Nitrophenol	100-02-7	ND	1600
Pentachlorophenol	87-86-5	ND	1600
Phenol	108-95-2	ND	330
2,4,5-Trichlorophenol	95-95-4	ND	330
2,4,6-Trichlorophenol	88-06-2	ND	330

ND = Not Detected

aqua science engineers inc.

Aqua Science Engineers, Inc.
PO Box 535, San Ramon CA 94583
(415) 820-9391

PEL # 0592008
INV # 201079

DATE May 7, 1992 PAGE 1 OF 3

SAMPLERS (SIGNATURE) (PHONE NO.) (510) 685-6700

PROJECT NAME Lim - Oakland NO. 2513
ADDRESS 250 8th St., Oakland, CA

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH- GASOLINE (EPA 5030/8015)	TPH- GASOLINE/BTEX (EPA 5030/8015-8020)	TPH- DIESEL (EPA 3510/8015)	PURGABLE AROMATICS (EPA 602/8020)	PURGABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240)	BASE/NUETRALS, ACIDS (EPA 625/8270)	OIL & GREASE (EPA 5520 E&F or B&P)	PCB (EPA 608/8080)	PHENOLS (EPA 604/8040)	LUFT METALS (5) (EPA 6010+7000)	PRIORITY POLLUT. (13) (EPA 6010 ICP + 7000)	TITLE 22 (CAM 17) (EPA 6010+7000)	TCLP (EPA 1311/1310)	STLC- CAM WET (EPA 1311/1310)	REACTIVITY CORROSIVITY IGNITABILITY	Lead (AA)
A1NE	5/7	4:00	Soil	1		X															X
A1SW	5/7	4:05	Soil	1		X															X
B2NE	5/7	4:10	Soil	1		X															X
B2SW	5/7	4:15	Soil	1		X															X
C3NE	5/7	4:20	Soil	1		X															X
C3SW	5/7	4:30	Soil	1		X															X
D4NE	5/7	4:40	Soil	1			X	X													
D4SW	5/7	4:45	Soil	1			X	X													
E5	5/7	4:50	Soil	1	X		X			X	X	X			X						
F6	5/7	4:55	Soil	1		X															X
G7	5/7	5:00	Soil	1		X															X

1. RELINQUISHED BY:	1. RECEIVED BY:	2. RELINQUISHED BY:	2. RECEIVED BY LABORATORY:
Craig Hertz 12:00			VICTOR DUONG
(signature) (time)	(signature) (time)	(signature) (time)	(signature) (time)
Craig Hertz 5-8-92			12 PM
(printed name) (date)	(printed name) (date)	(printed name) (date)	(printed name) (date)
Company- ASE	Company-	Company-	GEO CHEM 5/8/92
			Company-

#2

PEL # 0592008

INV # 201079

aqua science engineers inc.

Aqua Science Engineers, Inc.
PO Box 535, San Ramon CA 94583
(415) 820-9391

DATE May 7, 1992 PAGE 2 OF 3

SAMPLERS (SIGNATURE) (PHONE NO.) (510) 685-6700

PROJECT NAME Lim - Oakland NO. 2513

ADDRESS 250 8th Street, Oakland, CA

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH- GASOLINE (EPA 5030/8015)	TPH- GASOLINE/BTEX (EPA 5030/8015/8020)	TPH- DIESEL (EPA 3510/8015)	PURGABLE AROMATICS (EPA 602/8020)	PURGABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240)	BASE/NUETRALS, ACIDS (EPA 625/8270)	OIL & GREASE (EPA 5520 B&F OR B&F)	PCB (EPA 608/8080)	PHENOLS (EPA 604/8040)	LUFT METALS (5) (EPA 6010+7000)	PRIORITY POLLUT. (13) (EPA 6010 ICP + 7000)	TITLE 22 (CAM 17) (EPA 6010+7000)	TCLP (EPA 1311/1310)	STLC- CAM MET. (EPA 1311/1310)	REACTIVITY CORROSIVITY IGNITABILITY	Lead (AA)
H8	5/7	5:10	Soil	1		X															X
I9NE	5/7	3:35	Soil	1			X	X													
I9SW	5/7	3:40	Soil	1			X	X													
J10NW	5/7	3:45	Soil	1		X															X
J10SE	5/7	3:50	Soil	1		X															X
DispNorth	5/7	5:20	Soil	1		X	X														X
DispWest	5/7	5:25	Soil	1		X	X														X
K_Stkp	5/7	5:45	Soil	4		X	X														X
L_Stkp	5/7	6:00	Soil	4			X	X													
M_Stkp	5/7	6:15	Soil	4		X															X
N_Stkp	5/7	6:30	Soil	4		X															X

1. RELINQUISHED BY:	1. RECEIVED BY:	2. RELINQUISHED BY:	2. RECEIVED BY LABORATORY:
Craig Hertz 12:00			VICTOR DUONG
(signature) (time)	(signature) (time)	(signature) (time)	(signature) (time)
Craig Hertz 5-8-92			12 PM
(printed name) (date)	(printed name) (date)	(printed name) (date)	(printed name) (date)
Company- ASE	Company-	Company-	GEO CHEM 5/8/92 Company-

PEL # 0592008

aqua science engineers inc.

Aqua Science Engineers, Inc.
PO Box 535, San Ramon CA 94583
(415) 820-9391

Ch INV # 201079

DATE 5/7/92 PAGE 3 OF 3

SAMPLERS (SIGNATURE) (PHONE NO.) (510) 685-6700

PROJECT NAME Lim - Oakland NO. 2513

ADDRESS 250 8th Street, Oakland, CA

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH-GASOLINE (EPA 5030/8015)	TPH-GASOLINE/BTEX (EPA 5030/8015+8020)	TPH-DIESEL (EPA 3510/8015)	PURGABLE AROMATICS (EPA 602/8020)	PURGABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240)	BASE/NUETRALS, ACIDS (EPA 625/8270)	OIL & GREASE (EPA 5520 E&F or B&F)	PCB (EPA 608/8080)	PHENOLS (EPA 604/8040)	LUFT METALS (5) (EPA 6010+7000)	PRIORITY POLLUT. (13) (EPA 6010 ICP + 7000)	TITLE 22 (CAM 17) (EPA 6010+7000)	TCLP (EPA 1311/1310)	STLC- CAM MET (EPA 1311/1310)	REACTIVITY CORROSIVITY IGNITABILITY	
O Stkp	5/7	6:40	Soil	4	X		X			X	X	X			X						

1. RELINQUISHED BY:	1. RECEIVED BY:	2. RELINQUISHED BY:	2. RECEIVED BY LABORATORY:
Craig Hertz 12:00			Victor Duong
(signature) (time)	(signature) (time)	(signature) (time)	(signature) (time)
Craig Hertz 5-8-92			Victor Duong 12PM
(printed name) (date)	(printed name) (date)	(printed name) (date)	(printed name) (date)
Company- ASE	Company-	Company-	GEOCHEM 5/8/92 Company-

APPENDIX D

UNDERGROUND STORAGE TANK
UNAUTHORIZED RELEASE FORM

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

EMERGENCY ☐ YES ☒ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED ? ☐ YES ☒ 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.
SIGNED _____ DATE _____

REPORT DATE 06/02/92

CASE #

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: Craig Hertz
PHONE: (510) 685-6700
SIGNATURE: Craig Hertz
REPRESENTING ☒ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☐ OTHER
COMPANY OR AGENCY NAME: Aqua Science Engineers, Inc.
ADDRESS: 1041 STREET Shary Circle CITY Concord STATE CA ZIP 94518

RESPONSIBLE PARTY

NAME: Alice, Edward, & May Lim ☐ UNKNOWN
CONTACT PERSON: Russ Lim
PHONE: (510) 452-3456
ADDRESS: 250 STREET 8th Street CITY Oakland STATE Ca ZIP 94607

SITE LOCATION

FACILITY NAME (IF APPLICABLE):
OPERATOR:
PHONE: ( )
ADDRESS: 250 STREET 8th Street CITY Oakland COUNTY Alameda ZIP 94607
CROSS STREET: Alice Street

IMPLEMENTING AGENCIES

LOCAL AGENCY / AGENCY NAME: Alameda County Health Services Dept.
CONTACT PERSON: Jennifer Eberle
PHONE: (510) 271-4530
REGIONAL BOARD: San Francisco Bay Region 2
PHONE: (510) 464-1255

SUBSTANCES INVOLVED

(1) NAME: Gasoline/BTEX/Diesel/Lead/Oil & Grease/Chromium/Nickel/Zinc/Tetrachloroethene ☐ UNKNOWN
QUANTITY LOST (GALLONS):
(2) ☒ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: 05/07/92
HOW DISCOVERED: ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☒ TANK REMOVAL ☐ OTHER
DATE DISCHARGE BEGAN: ☒ UNKNOWN
HAS DISCHARGE BEEN STOPPED ? ☒ YES ☐ NO IF YES, DATE 05/07/92
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)
☒ REMOVE CONTENTS ☒ CLOSE TANK & REMOVE ☐ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☐ CHANGE PROCEDURE ☐ REPLACE TANK ☐ OTHER

SOURCE/CAUSE

SOURCE OF DISCHARGE: ☒ TANK LEAK ☐ UNKNOWN ☐ PIPING LEAK ☐ OTHER
CAUSE(S): ☒ OVERFILL ☐ RUPTURE/FAILURE ☐ SPILL ☒ CORROSION ☐ UNKNOWN ☐ OTHER

CASE TYPE

CHECK ONE ONLY
☐ UNDETERMINED ☐ SOIL ONLY ☒ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY
☒ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION
☒ LEAK BEING CONFIRMED ☐ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS
☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☐ CAP SITE (CD) ☐ CONTAINMENT BARRIER (CB) ☒ VACUUM EXTRACT (VE)
☒ EXCAVATE & DISPOSE (ED) ☒ EXCAVATE & TREAT (ET) ☐ NO ACTION REQUIRED (NA) ☐ OTHER (OT)
☐ REMOVE FREE PRODUCT (FP) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ TREATMENT AT HOOKUP (HU)
☐ ENHANCED BIO DEGRADATION (IT) ☐ REPLACE SUPPLY (RS) ☐ VENT SOIL (VS)

COMMENTS

The appropriate remedial action has not been determined. We will initiate an investigation phase that includes soil borings at the request of the client.

ALL ENVIRONMENTAL, INC.
Environmental Engineering & Construction
596 Indian Home Road • Danville, CA 94526 • (510) 820-3224

November 1, 1992

ENVIRONMENTAL REMEDIATION

EXCAVATION
&
DISPOSAL

WORKPLAN

AT
250 8th Street
Oakland, CA 94607

Prepared for:

Alice, Edward, & May Lim
250 8th Street
Oakland, CA 94607

Prepared by:

ALL ENVIRONMENTAL, INC.
596 Indian Home Road
Danville, CA 94526

FAX: (510) 838-2687

November 1, 1992

Alameda County Health Services Department
Attn: Jennifer Eberle
80 Swan Way, Room 200
Oakland, CA 94621

Dear Ms. Eberle:

As you requested, All Environmental, Inc. has prepared the enclosed report in response to the October 21, 1992 letter from you. All Environmental has been contracted by the owners of the property at 250 8th Street in Oakland to overexcavate and dispose of contaminated soil. A work plan describing the scope of work is outlined in the following pages.

The work plan describes activities to be performed as part of the remedial soil excavation at the site, including field methods and regulatory compliance. Based on the analytical results and the final report prepared by the tank removal contractor, we propose that limited excavation be performed to mitigate the presence of hydrocarbon contamination at the site.

This work plan is based upon the requirements found in the document "Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Storage Tank Sites" dated August 10, 1990.

All Environmental, Inc. is honored to be considered for this assignment and confident that our capabilities and experience will meet the needs of this project. This proposal includes permits, the preparation of a work plan, excavation, transportation and disposal of contaminated soils and a final report that includes recommendations for site closure.

Please review our proposal and if you have any questions, please do not hesitate to contact me at (510) 820-3224.

Sincerely yours,
ALL ENVIRONMENTAL, INC.

Craig Hertz

Craig H. Hertz
Vice President

cc: Lim Family

TABLE OF CONTENTS

WORK PLAN FOR SITE REMEDIATION
250 8th Street
Oakland, California

1.0 INTRODUCTION

This work plan describes activities to be performed to mitigate contaminated soil at the 250 8th Street property in Oakland, California (Figure 1). All Environmental Inc. (AEI) has prepared this work plan on behalf of Alice, Edward, & May Lim, in response to the Alameda County Health Services Department (ACHSD) October 21, 1992 letter to the Lim family requesting that site remediation be initiated. The proposed remedial activities include soil excavation, backfilling, profiling the excavated soil for appropriate disposal sites and the installation of one monitoring well.

2.0 BACKGROUND

The site background is detailed in the June 1, 1992 report entitled Project Report - Underground Storage Tank Removal and located in Appendix A. A summary of the past tank activities and regulatory oversight is presented below.

Prior to the tank removal, the site was used as a service station. Aqua Science Engineers was the contractor that removed the 10 underground storage tanks from the site in May of 1992. The tanks that were excavated and removed from the site were: (1) 10,000 gallon gasoline tank, (1) 5,000 gallon diesel tank, (3) 2,000 gallon gasoline tanks, (1) 2,000 gallon diesel tank, (3) 500 gallon gasoline tanks, and (1) 250 gallon waste oil tank. Soil sample analysis from the excavation of the 10,000 gallon gasoline tank yielded a maximum gasoline concentration of 110 ppm. The soil samples taken from beneath the (4) 2,000 gallon tanks showed gasoline concentrations up to 10,000 ppm. Two of the three samples taken from the beneath the (3) 500 gallon gasoline tanks yielded high concentrations of gasoline contamination (2,400 ppm & 2,700 ppm). Sample analysis showed detectable concentrations of Nickel and Zinc from the waste oil tank. It is our understanding that no soil overexcavation was performed during or after the time of tank removal.

3.0 PROPOSED REMEDIAL PLAN

The proposed remedial plan involves over-excavation of contaminated soil, transportation and disposal of contaminated soil, backfilling, and the installation of a monitoring well. Unaffected soil and imported backfill material will be used to backfill the excavation. Soil will be disposed of in the least costly manner available, that is acceptable to all regulatory agencies involved. The remedial plan is described in detail below.

3.1 SOIL EXCAVATION

The following sections describe the cleanup objectives, the required permits, the site specific Health & Safety Plan, and the excavation procedure for implementing the remedial plan.

3.1.1 Excavation Objectives

The general objective of the excavation is to remove most of the affected soil with a concentration of TPH as gasoline greater than 100 mg/kg. Physical obstructions restrict complete excavation of possible affected soil. These obstructions could include public property (8th street or Alice street) and buildings located on site.

3.1.2 Permits

Several permits are required to conduct the activities associated with soil remediation at the site. AEI will secure permits from the appropriate agencies and will notify CAL-OSHA and the Bay Area Air Quality Management District within five days prior to the initiation of any field work.

An encroachment permit, already obtained for the tank removal process, will be extended for three more months. This permit allows further excavation along the sidewalk area.

If encountered, groundwater will be pumped from the excavation and temporarily stored on site for eventual discharge to the storm drain. Approval from the City of Oakland Sewer Department or the Regional Water Quality Control Board will be obtained by All Environmental for a one time discharge of pumped groundwater to the storm drain following chemical analysis.

3.1.3 Health & Safety

A Health & Safety plan will be prepared by All Environmental to safeguard against chemical and physical hazards associated with drilling, excavation, sampling, and any on site soil treatments. AEI personnel working on site will be required to read and adhere to the Health and Safety Plan. A site safety officer will be responsible for implementing the Health and Safety Plan and observing the crew during field activities. Ambient air will be monitored imtermittenly using a photoionization device (PID) while people are on the job site.

Safety meetings will be conducted every morning, on site, prior to the initiation of any field work.

3.1.4 Excavation Design

The maximum depth of the excavation is estimated to be approximately 21 feet below ground surface. Based on OSHA guidelines for cohesive material, the sidewall of the excavation along 8th Street will be braced by cantilever sheet piles. All other sidewalls of the excavation will be sloped at 3/4 to 1 (horizontal to vertical). Conventional earth moving equipment will be used to excavate and stockpile the soil. Excavated soil will be evaluated during the removal for staining and odor, and segregated. The excavated soil will be sampled for chemical analysis to confirm that soil designated for use as backfill material contains no detectable concentrations of hydrocarbon contamination. It is estimated that approximately 600 additional yards of soil will be excavated from the site.

Soil samples will be collected at approximately one sample per 20 lineal feet of the exposed excavation sidewalls and bottom. Each soil sample will be analyzed by a state certified laboratory for TPH-gasoline (EPA 5030/8015), TPH-diesel (EPA 3510/8015), BTEX (EPA 8020) and Lead (AA). Additional soil excavated from the waste oil pit will also be analyzed for Volatile Organics (EPA 624/8240), Base/Neutrals & Acids (EPA 625/8270), Oil & Grease (EPA 5520), and the LUFT Metals-5 (EPA 6010 & 7000).

3.2 EXCAVATION BACKFILL

After the affected soil has been removed, the excavation will be backfilled with compacted soil to existing grade. Imported fill will be used to replace the contaminated soil that was excavated. Imported or native soil containing detectable concentrations of gasoline will not be used as backfill material.

To enable compaction, the sheet piles will remain in the excavation until the backfill is within 5 feet of the surface. The sheet piles then will be removed, and backfilling to grade will be completed. The backfill material will be placed in uniform lifts, not to exceed 12 inches in uncompacted thickness, and compacted to a relative dry density of approximately 90 percent.

3.3 RESURFACING

The site will be resurfaced with asphalt to match existing conditions.

3.4 DISPOSAL OF CONTAMINATED SOIL

The soil will be profiled and transported to a Class III landfill for disposal. If the soil does not qualify for Class III disposal, then on site insitu treatments will be considered to reduce the concentration levels of contamination. Possible on site treatments will include Aeration, Bioremediation, Thermal treatments etc..

3.5 MONITORING WELL INSTALLATION

One groundwater monitoring well will be installed on-site. Based on information from the Fire Station across Alice Street, groundwater is reported to be at 22 feet below the surface and the groundwater flow in the site vicinity is reported to be towards the south.

The monitoring well will be constructed using 2 inch diameter, flush threaded, schedule 40 polyvinyl chloride pipe. The well annulus will be backfilled with sand over the screened interval followed by a bentonite-cement seal to provide protection from surface water runoff. A locking cap and traffic rated cover will be placed over the monitoring well at the ground surface.

After allowing the well seal to set, the monitoring well will be developed to loosen debris, stabilize the sandpack, and remove sediment. Groundwater purged during development will be placed in 55-gallon drums and temporarily stored on site. Groundwater samples will be collected one week later to establish a baseline to evaluate the effectiveness of the soil removal.

4.0 ESTIMATED SCHEDULE

Activities associated with the proposed site remediation will begin following the Alameda County Health Services Department approval of the workplan.

Once excavation begins, it is estimated that excavation, soil sampling, chemical analysis, and backfilling will be completed within a period of 5 weeks.

Well installation, including permitting, developing, and sampling, should be completed within a period approximately 4 weeks following completion of backfilling activities.

The time schedule for performing on site treatment of soils will depend largely on the type of remediation determined.

5.0 FINAL REPORT

A final report of methods and findings, that summarizes the remediation work performed by All Environmental, will be prepared and delivered to the client and a copy will be delivered to the Alameda County Health Services Department.

This plan has the advantage that cleanup is performed at the same time that the extent of the contamination is determined. This approach will also minimize the cost of cleanup and restore the site in the least amount of time.

APPENDIX C

LETTER FROM ALAMEDA COUNTY
HEALTH SERVICES DEPARTMENT

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

November 6, 1992

STID 1585

Alice, Edward, and May Lim
c/o Russell Lim
601 Brush St.
Oakland CA 94607

RE: Former Exxon Station
250-8th St.
Oakland CA 94607

Dear Lim Family,

We have received the "Environmental Remediation, Excavation & Disposal Workplan," prepared by All Environmental, Inc., dated 11/1/92, in our office today. The workplan is approved under the following conditions:

1. The Oil & Grease analysis for soil will utilize EPA method 5520 E & F, and for water will utilize EPA method 5520 C & F.

2. A site specific Health & Safety Plan will be submitted and accepted by this agency prior to field activities.

3. Due to the lateral extent of soil contamination onsite, one groundwater monitoring well is not adequate to characterize the groundwater beneath the site. Therefore, a minimum of three groundwater monitoring wells must be installed.

Thank you for your timely consideration of this matter. We appreciate the difficulties you encountered in trying to comply with this agency's requests for site characterization and remediation.

If you have any questions, please contact me at 510-271-4530.

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

cc: Craig Hertz, All Environmental, Inc., 596 Indian Home Rd., Danville CA 94526
Rich Hiett, RWQCB
Ed Howell/File

je 1585-A

APPENDIX D

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:

LIM FAMILY JOBSITE
250 8TH STREET
OAKLAND, CA 94607

Prepared by:

ALL ENVIRONMENTAL, INC.
596 Indian Home Road
Danville, CA 94526

FAX: (510) 838-2687

A. INTRODUCTION

This Site Specific Health and Safety Plan is written for the remediation project located at the commercial property, owned by Alice, Edward, and May Lim. 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: 250 8th Street
Oakland, CA 94607

Scope of Work: All Environmental, Inc. (AEI) will overexcavate and dispose of contaminated soil at 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

APPENDIX E

PERMITS
AND
HAZARDOUS WASTE MANIFESTS

ACKNOWLEDGMENT

Bay Area Air Quality Management District acknowledges receipt of your Tank Removal/Contaminated Soil Excavation Notification Form received on 11/11/92 Bly.

SITE ADDRESS _____

CITY, STATE Oakland, CA ZIP 94607

OWNER NAME Alice, Edward, & May Lim

SPECIFIC LOCATION OF PROJECT Corner of 8th Street & Alice Street

TANK REMOVAL

SCHEDULED STARTUP DATE _____

VAPORS REMOVED BY:

[ ] WATER WASH

[ ] VAPOR FREEING (CO^2)

[ ] VENTILATION

CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE 11/17/92

STOCKPILES WILL BE COVERED? YES X NO ____

ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):

_____

(MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME All Environmental, Inc. CONTACT Craig Hertz

ADDRESS 596 Indian Home Road PHONE (510) 820-3224

CITY, STATE, ZIP Danville, CA 94526

CONSULTANT INFORMATION
(IF APPLICABLE)

NAME All Environmental, Inc. CONTACT Craig Hertz

ADDRESS 596 Indian Home Road PHONE (510) 820-3224

CITY, STATE, ZIP Danville, CA 94526

FOR OFFICE USE ONLY

DATE RECEIVED FAX 11/11/92 BY Bly (init.)

DATE POSTMARKED _____ BY _____ (init.)

CC: INSPECTOR NO. 524 DATE 11/12/92 BY Bly (init.)

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

BAAQMD N # _____ DATA ENTRY 11/12/92

1/91

* See reverse for instructions

Permit Application and Job Notification Form (Continued)

JOB NOTIFICATION

Specific jobsite location 250 8th Street
Corner of 8th & Alice Streets
Nearest major cross street Alice Street
City Oakland
County Alameda
Name and title of jobsite supervisor Jim Garland

Field phone 816-9862
Office phone 820-3224
No. of employees 4
Starting date 11/24/93
Anticipated completion date 5/1/93
High Voltage Lines in Proximity: No X 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 ___/___/___ 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___/___/___ [See 8CCR4966]
Name of crane certifier _____
Other _____

Trench/Excavation: Dimensions: Depth 22' Width 50' Length 40' 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): Guy Roy
Protective System: Shoring X Sloping X Trench Shield ___ Alternate _____
Job Description: Excavation of Contaminated Soils
_____
[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: Craig Tobert
Title: Vice President
Date: 11/22/92

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: ____/____/____
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: All Environmental, Inc.
Address: 2641 Crow Canyon Road
San Ramon, CA 94583
Phone: (510)-820-3224

Project Safety Contact: Craig Hertz
Employer's Representative: Craig Hertz
Title & Phone No: V.P. (510) 820-3224
Employer's State Contractor's License No.
654919

Check Applicable Items:

"Applicant" refers to a knowledgeable person in a position of authority and responsibility for the activity to be covered by this permit.

Applicant is:
____General Building Contractor
____General Engineering Contractor
__X__Specialty Contractor
Specialty Contractor Type: HAZ
____Other: _____

____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:

____ **Annual**
____ **Single Project**
__X__ **Job Start Notification Only**
____ **Provisional Permit [PLAN CHECK ONLY]**

____ **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:
____Construction of: ___ Building ___ Structure
____Demolition of: ___ Building ___ Structure
____Scaffolding and/or Falsework and/or Vertical Shoring
____Tower Crane Erection
__X__Trench and/or Excavation

Underground Services Alert # _____

(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 projects(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 __X__
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 __X__ If "yes," when _____ from what district office _____
In whose name _____

CITY OF OAKLAND

DEVELOPMENT SERVICES DEPARTMENT
1330 BROADWAY - 2ND FLOOR
OAKLAND, CALIF. 94612

BUILDING PERMIT APPLICATION

THIS IS YOUR PERMIT WHEN PROPERLY FILLED OUT, SIGNED, VALIDATED & FEES PAID.

APPL.	30.00		
BUILDING	34.00		
CHECKING	22.10		
ST REGS	8.50		
MICR	1.02		
SMIP	0.50		
SURTI			
CHECK ITEM	$96.12		

Permit No. B
Call for Inspection 238-3444

DATE ISSUED 11/23/92 DATE FILED 11/23/92

☐ NEW ☐ REPAIR ☐ ADDITION
☐ MOVE 11-23-92 ☒ ALTERATION ☐ DEMOLITION
☐ OTHER

BUILDING ADDRESS 2508 8th St. Oakland Ca 94607
TRACT BLOCK PAGE LOT PARCEL

OWNER
NAME Alice Edward & May Lim
ADDRESS 250 8th St. PHONE 820-3724
CITY Oakland STATE Ca ZIP 94607
TENANT'S NAME AND TELEPHONE NUMBER (IF APPLICABLE)

ARCH. ENGR.
NAME All Environmental LICENSE # 654919
ADDRESS 596 Indian Home Rd. PHONE 820-3724
CITY Danville STATE Ca ZIP 94526

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 654919 A CITY BUSINESS TAX #
CONTRACTOR NAME All Environmental, Inc.
ADDRESS 596 Indian Home Rd.
CITY Danville STATE Ca ZIP 94526 PHONE 820-3724
SIGNATURE Craig Hunt DATE 11/23/92

OWNER/BUILDER
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 Divison 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. 7044, Business 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&PC for this reason

DESCRIBE BRIEFLY ALL PROPOSED CONSTRUCTION WORK.

25' of shoring along 8th St.

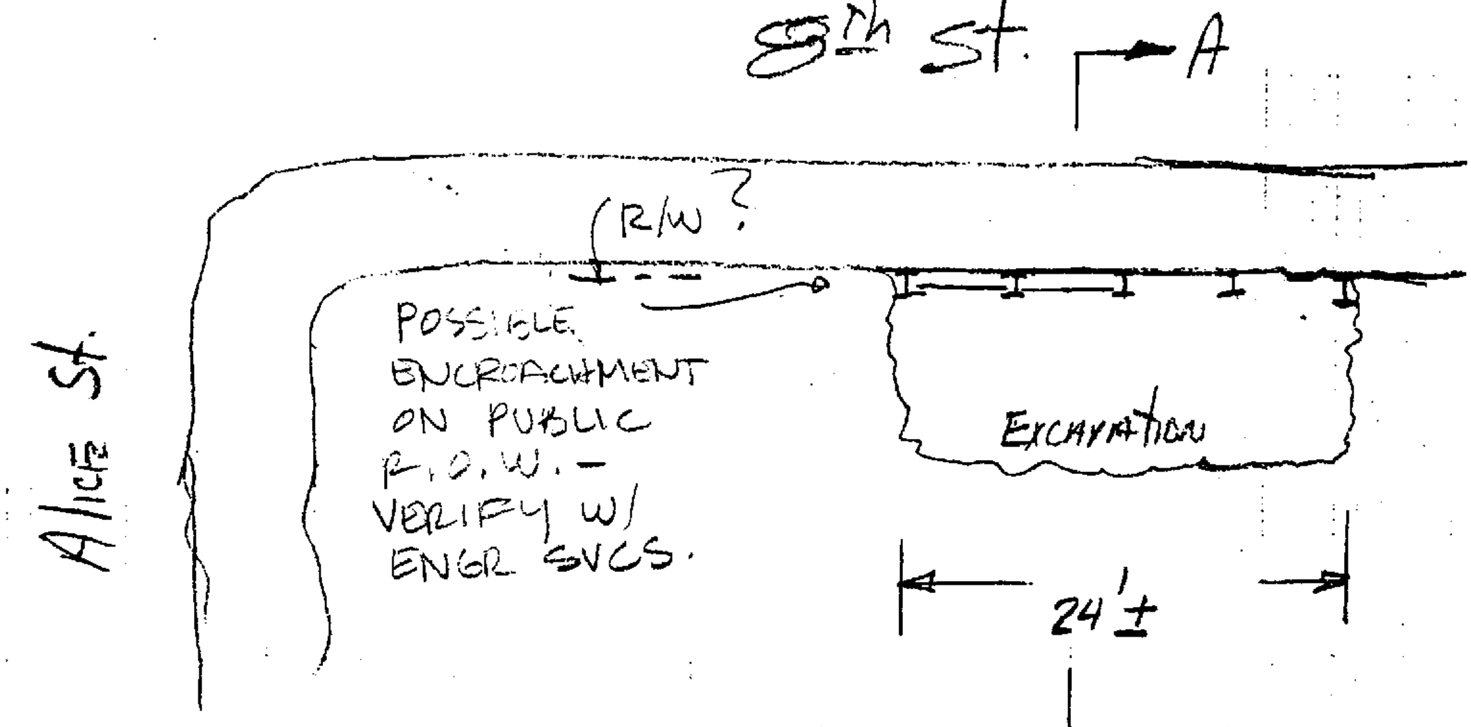
Plan Filed 2 Survey Filed
Size of Bldg. No. of Stories
Number of Units Height at Highest Point
Proposed Use of Bldg. Shoring - Retaining Wall 72
Present Use of Bldg.
Number of Bldgs. on lot C404 Code
Lot Size
TYPE OF BUILDING I II III IV (V) F.R. H.T. 1 hr. (N)
OCCUPANCY GROUP A B E H I R M 2
FIRE SPRINKLERS SPECIAL INSPECTION REQUIRED
ZONING R C M S
Roof Covering
Exterior Wall
Valuation of Proposed Work $ 1500
Include all labor and materials, all lighting, heating, ventilation, water supply, plumbing, electrical, fire sprinklers, elevator equipment therein and thereon.

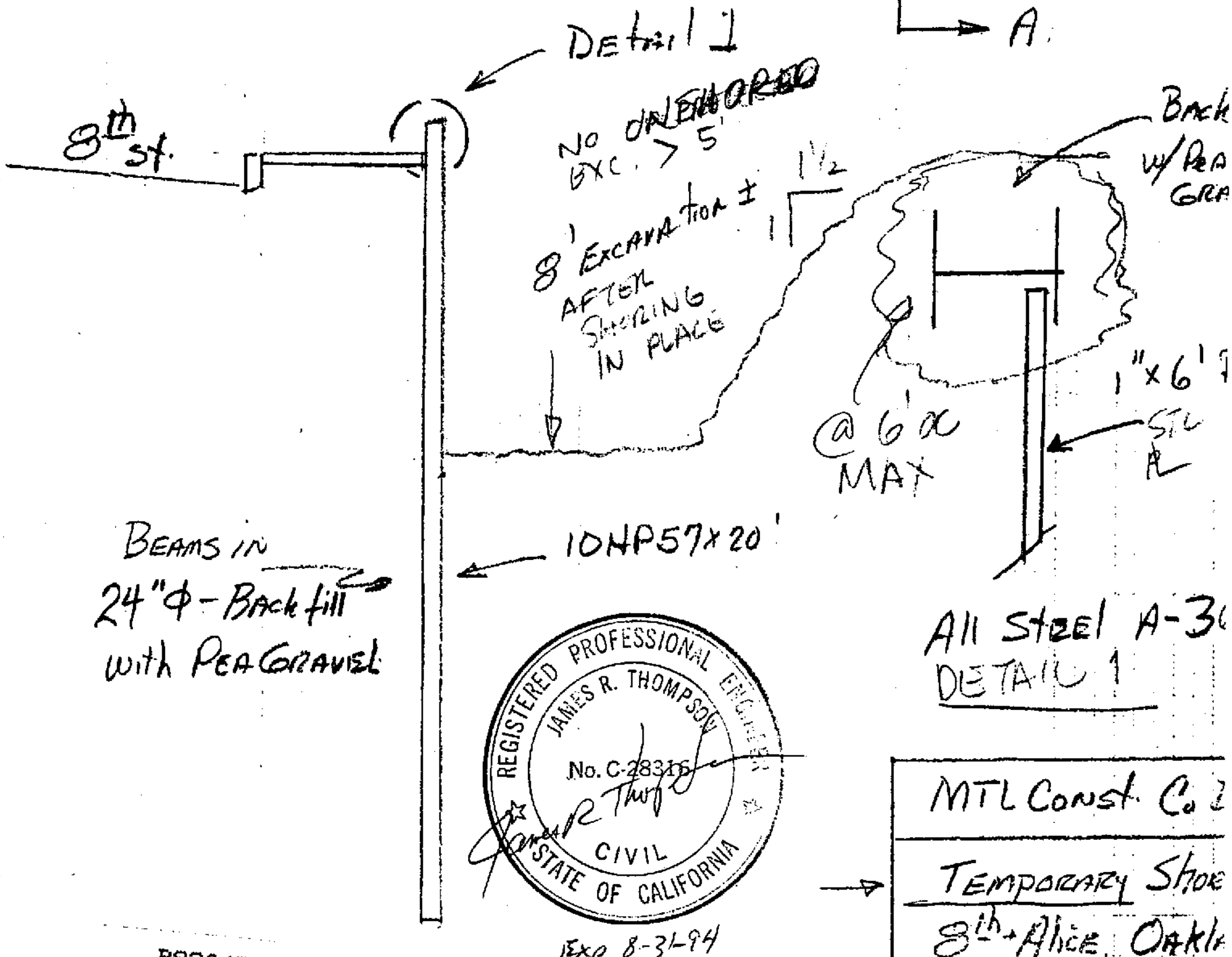
PERMIT NO. B 9211765
DISTRICT NO. 14
ADDRESS 2508 1

OFFICIAL USE ONLY

VALUE:
Appl. Fee $ 30.00
Checking Fee $
B.R. Tax $

WORKER'S COMPENSATION





MTL Const. Co. ...

Temporary Shore...

8th + Alice, Oakl...

JRT	11/23/92	585...

B9204765

APPROVED
CITY OF OAKLAND
DEVELOPMENT SERVICES
PLAN CHECK SECTION
For Substantial Compliance
With Codes and Ordinances
REVISIONS REQ ADD'L APPROVAL

By

BUILDING CODE
SUBJECT TO SECTION 303(c)
(ELECT. MECH. PLUMB. NOT CHECKED)

____ PLOT PLAN REVIEW
____ PARKING / DWY LAYOUT
____ SURVEY (REVIEW ONLY)
____ GRADING & EROSION CONTROL
____ SOILS REPORT ON FILE
____ SEE ATTACHED SHT ____
FOR CONDITIONS

Date 11/23/92

~~TO BE POSTED ON JOB~~
OFFICIAL RECEIPT - H. Pfeffer

City of Oakland
OFFICE OF PUBLIC WORKS

Supersedes 3000-224
3000-240

STREET AND SIDEWALK OBSTRUCTION PERMIT

Effective: 11/28/92
Expires: 5/27/93

Name ALL ENVIRONMENTAL, INC.

Address 596 Indian Home Rd. Phone 820-3224

City Danville, CA State CA Zip Code: 94526

Date _____
Not valid after 6 months

Deposit $ 450 00

Non metered rate in meter area

IMPORTANT
NOTIFY J. Nichols INSPECTION SECTION WHEN OBSTRUCTION IS CLEARED ~~(275-[illegible]~~ (238-2110
FEES CONTINUE UNTIL CLEARED

is hereby granted permission to obstruct a portion of the street at

Job Site #250 - 8th ST.

fronting 50 ft. max. on the north side of 8th ST. within frontage covered by existing tank removal excavtn. for the period of 6 months for the purpose of excavation on sidewalk & K rail in parking lane.

RESPONSIBILITY FOR ACCIDENTS. 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 warning devices or the use and occupancy of any sidewalk, street or sidewalk place by virtue of the permit. 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, warning devices or the use of an occupancy of any sidewalk, street or sidewalk place by virtue of the permit. (Oakland Municipal Code Section 6-2.611).

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

DIRECTOR OF PUBLIC WORKS

By H. Pfeffer 12/2/92.

INSPECTOR CLEARANCE:

DATE OBSTRUCTION CLEARED _____

INSPECTOR SIGNATURE _____ ☐ METERED ☐ UNMETERED

ACCOUNTING SECTION:

Fe

ALL ENVIRONMENTAL INC
(510) 820-3224
596 INDIAN HOME RD
DANVILLE, CA 94526

1044
11-35/1210

12/2 19 92

To

PAY TO THE ORDER OF City of Oakland $ 450 no/100

four hundred fifty and no/100 DOLLARS

Bank of America
Montclair Branch 0558
P.O. Box 13100
Oakland, CA 94661

MEMO Obstruction Permit 3000-240

Craig Hertz

⑆121000358⑆ 1044 ⑈05586⑈ 16 1 1⑈

ND
LIC WORKS
HALL

PRI

550-137 (9/80)

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAC000678451 / Manifest Document No.: 6RD
2. Page 1 of 1

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

A. State Manifest Document Number: **91041635**

3. Generator's Name and Mailing Address: MANDARIN SERVICE, 250 8th STREET, OAKLAND CA 94607
4. Generator's Phone ( ) 510 820 3224

B. State Generator's ID:

5. Transporter 1 Company Name: WASTE OIL RECOVERY
6. US EPA ID Number: CAD000626515

C. State Transporter's ID: 309033
D. Transporter's Phone: 510 533 0750

7. Transporter 2 Company Name: W-H TANK
8. US EPA ID Number: CAD040370645

E. State Transporter's ID: 314204 314209
F. Transporter's Phone: 310 427 3109

9. Designated Facility Name and Site Address: DEMENNO KERDOON, 2000 N ALAMEDA, COMPTON CALIF
10. US EPA ID Number: CAT080013352

G. State Facility's ID: CAT080013352
H. Facility's Phone: 310 537 7100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. PETROLEUM OILS N.O.S (WASTE OILS) COMBUSTIBLE LIQUID N.A. 1270	001	TT	01100	G	State 221; EPA/Other N/A
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

THIS WASTE STREAM HAS BEEN QUALIFIED FOR RECYCLING/TREATMENT AT THE DeMENNO/KERDOON FACILITY IN COMPTON, CALIFORNIA. THIS FACILITY HAS THE NECESSARY PERMITS TO RECEIVE YOUR WASTE STREAM AS QUALIFIED. OUR EPA NUMBER IS CAT080013352

J. Additional Descriptions for Materials Listed Above: A) WATER, WASTE OILS, WASTE FUEL RESIDUAL

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information: ERG 27; 24 HR 510 533 0750; PROTECTIVE GEAR

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

100 ONE ON SITE

Printed/Typed Name	Signature	Month	Day	Year
PUMP FOR CONTRACTOR A FALCON	G Falcon	12	15	92

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
A FALCON	G Falcon	12	15	92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
LARRY METHENY	Larry Metheny	12	23	92

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
WILLIAM BARNES	William Barnes	12	24	92

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

91041635

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD000678456 Manifest Document No. 11847
2. Page 1 of 1

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

3. Generator's Name and Mailing Address: Manderin Auto Service, 250 8th St. Oakland, California 94607
4. Generator's Phone: (510) 451-1529

A. State Manifest Document Number: 91041847
B. State Generator's ID: CAD000678456

5. Transporter 1 Company Name: Waste Oil Recovery Systems
6. US EPA ID Number: CAD980626515
C. State Transporter's ID: 14055
D. Transporter's Phone: 510 533-0750

7. Transporter 2 Company Name: ODYSSEY
8. US EPA ID Number: CAD008712001?
E. State Transporter's ID: 322261
F. Transporter's Phone: 510 786 3880

9. Designated Facility Name and Site Address: Demenno Kerdoon, 2000 Alameda Ave. Compton, California
10. US EPA ID Number: CAT080013352
G. State Facility's ID: CAT080013352
H. Facility's Phone: (213) 537-7100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Petroleum Oil, N.O.S. (Waste Oil) Combustible Liquid NA 1270	001	TT	01025	G	State 221; EPA/Other NONE
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

THIS WASTE STREAM HAS BEEN QUALIFIED FOR RECYCLING TREATMENT AT THE DEMENNO/KERDOON FACILITY IN COMPTON, CALIFORNIA. THIS FACILITY HAS THE NECESSARY PERMITS TO RECEIVE YOUR WASTE STREAM AS QUALIFIED. OUR EPA NUMBER IS CAT080013352

J. Additional Descriptions for Materials Listed Above: a. [illegible] waste oil
K. Handling Codes for Wastes Listed Above: a. 01-K

15. Special Handling Instructions and Additional Information: LUBE OIL ERG #27 Wear Gloves 24 HR WORS 510 5330750

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
JAMES GARLAND	[signature]	02 12 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Jesse Garcia Jr.	[signature]	02 12 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
RICHARD DUNNIGAN	[signature]	02 16 93

19. Discrepancy Indication Space: Quantity discrepancy greater than 10% variation reconciled with generator 2-22-93 with USG of Waste Oil Received 861 gallons

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
ERNEST BRYAN	[signature]	02 17 93

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

91041847

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Environmental Protection Agency
Form Approved OMB No. 2050–0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

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

92506407

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAC000678456
Manifest Document No.: 06407
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: 92506407

GENERATOR

3. Generator's Name and Mailing Address: S/O MANDARIN AUTO 4511529 250 8th ST OAKLAND CALIF. 94607
4. Generator's Phone ( )

5. Transporter 1 Company Name: WASTE OIL RECOVERY
6. US EPA ID Number: CAD000626515
C. State Transporter's ID: 309033
D. Transporter's Phone: 510 533 0750

7. Transporter 2 Company Name: ODYSSEY
8. US EPA ID Number: CAD082100919
E. State Transporter's ID: 406016
F. Transporter's Phone: 510 786 3880

9. Designated Facility Name and Site Address: DEMENNO KERDOON 2000 N. ALAMEDA COMPTON CALIF
10. US EPA ID Number: CAT080013352
G. State Facility's ID: CAT080013354
H. Facility's Phone: 310 537 7100

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. PETROLEUM OIL NOS (WASTE OILS) COMBUSTIBLE LIQUID NA 1270	001	TT	01400	G	State 221 EPA/Other NONE
b. THIS WASTE STREAM HAS BEEN QUALIFIED FOR RECYCLING/[illegible] AT THE					State EPA/Other
c. DeMENNO/KERDOON FACILITY IN COMPTON, CALIFORNIA. THIS FACILITY HAS THE NECESSARY					State EPA/Other
d. PERMITS TO RECEIVE YOUR WASTE STREAM AS QUALIFIED. OUR EPA NUMBER IS CAT080013352					State EPA/Other

J. Additional Descriptions for Materials Listed Above [illegible]
K. Handling Codes for Wastes Listed Above: O R

15. Special Handling Instructions and Additional Information
ERG #27
24 HR WORS 5105330750
PROTECTIVE GEAR
MAIL MANIFEST TO; ALL ENVIRONMENTAL 2641 CROW CANYON SAN RAMON CA 94583

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	Signature	Month	Day	Year
[illegible]	[signature]	04	09	93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
P FALCON	[signature]	04	09	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MARTIN SHUMATE	[signature]	04	13	93

FACILITY

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
BEAT HICKI	[signature]	04	16	93

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (7/92)
EPA 8700—22

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS. (Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 30 days.)

APPENDIX F

LABORATORY ANALYSES AND CHAIN OF CUSTODY
FOR SAMPLES TAKEN FROM THE EXCAVATIONS

OWR 2/3

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

February 04, 1993 PEL # 9302005

ALL ENVIRONMENTAL, INC.

Attn: Craig Hertz
Re: Seven soil samples for Gasoline/BTEX and Diesel analyses.

Project name: Lim - Oakland
Project number: 1004

Date sampled: Feb 03, 1993 Date submitted: Feb 04, 1993
Date extracted: Feb 04, 1993 Date analyzed: Feb 04, 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)
A 1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
C 2	80	28	32	39	42	180
D 3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
H 4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
I 5	1.5	8.8	N.D.	6.6	11	30
J 6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
K 7	N.D.	770	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	101.8%	91.6%	98.3%	103.2%	94.6%	105.7%
Duplicate Spiked Recovery	97.6%	92.2%	90.4%	94.2%	89.5%	97.0%
Detection limit	1.0	1.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	3550 / 8015	8020	8020	8020	8020

David Duong
Laboratory Director

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

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

February 09, 1993 PEL # 9302005

ALL ENVIRONMENTAL, INC.

Attn: Craig Hertz
Re: Seven soil samples for total Lead analysis.

Project name: LIM - Oakland
Project number: 1004

Date sampled: Feb 03, 1993 Date submitted: Feb 04, 1992
Date extracted: Feb 04-05, 1993 Date analyzed: Feb 08, 1993

RESULTS:

SAMPLE I.D.	Lead (mg/Kg)
A 1	5.8
C 2	5.7
D 3	4.9
H 4	6.1
I 5	5.6
J 6	6.0
K 7	5.6
Blank	N.D.
Detection limit	1.0
Method of Analysis	7420

David Duong
Laboratory Director

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

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

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

PEL # 9302005

INV # 23350

DATE: 2/3/93 PAGE: 1 OF: 1

PROJECT MGR.: Craig Hertz
COMPANY: All Environmental
ADDRESS: 132 Vista Del Diablo
: Danville Ca 94526
PHONE: 510-820-3224 FAX: 510-838-2687
SIGNATURE: Craig Hertz

ANALYSIS REPORT

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 5520 E&F)	PESTICIDES/PCB (EPA 608,8080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1	Lead (7420)	NUMBER OF CONTAINERS
A1	2/3	2:15	Soil			X	X					X	1
C2	2/3	4:45	Soil			X	X					X	1
D3	2/3	2:30	Soil			X	X					X	1
H4	2/3	2:00	Soil			X	X					X	1
I5	2/3	3:00	Soil			X	X					X	1
J6	2/3	4:00	Soil			X	X					X	1
K7	2/3	4:30	Soil			X	X					X	1

PROJECT INFORMATION
PROJECT NAME:: HM-Oakland
PROJECT NUMBER: 1004

SAMPLE RECEIPT
TOTAL # OF CONTAINERS:
RECD. GOOD COND./COLD: Yes

INSTRUCTIONS & COMMENTS:

RELINQUISHED BY: 1	RECEIVED BY: 1	RELINQUISHED BY: 2	RECEIVED BY: 2
SIGNATURE: Craig Hertz Date: 2/3	SIGNATURE: Date: 02/04/93	SIGNATURE: Date:	SIGNATURE: Date:
NAME: Craig Hertz Time:	NAME: DAVID DUNZ Time: 7:00 AM	NAME: Time:	NAME: Time:
COMPANY: All Environmental	COMPANY: PEL	COMPANY:	COMPANY:

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

February 06, 1993 PEL # 9302011

ALL ENVIRONMENTAL, INC.

Attn: Craig Hertz
Re: Two soil samples for Gasoline/BTEX and Diesel analyses.

Project name: LIM
Project number: 1004

Date sampled: Feb 05, 1993 Date submitted: Feb 06, 1993
Date extracted: Feb 06, 1993 Date analyzed: Feb 06, 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)
CC	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
KK	---	N.D.	---	---	---	---
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	101.8%	91.6%	98.3%	103.2%	94.6%	105.7%
Detection limit	1.0	1.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	3550 / 8015	8020	8020	8020	8020

David Duong
Laboratory Director

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

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

February 09, 1993 PEL # 9302011

ALL ENVIRONMENTAL, INC.

Attn: Craig Hertz
Re: One soil sample for STLC Lead analysis.

Project name: LIM
Project number: 1004

Date sampled: Feb 05, 1993 Date submitted: Feb 06, 1992
Date extracted: Feb 06-08, 1993 Date analyzed: Feb 08, 1993

RESULTS:

SAMPLE I.D.	STLC Lead (mg/L)
CC	N.D.
Blank	N.D.
Detection limit	0.5
Method of Analysis	1310 / 7420

David Duong
Laboratory Director

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

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

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

PEL # 9302011

INV # 23356

DATE: 2/5/93 PAGE: 1 OF: 1

PROJECT MGR.: Craig Hertz
COMPANY: All Environmental
ADDRESS: 596 Indian Home Rd.
Danville Ca. 94526
PHONE: 510-820-3224 FAX: 510-838-2687
SIGNATURE: Craig Hertz

ANALYSIS REPORT

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 5520 E&F)	PESTICIDES/PCB (EPA 608,8080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1	Lead STLC	NUMBER OF CONTAINERS
CC	2/5	11:15	Soil			X	X					X	1
KK	2/5	1:35	Soil				X						1

PROJECT INFORMATION
PROJECT NAME:: LIM
PROJECT NUMBER: 1004

SAMPLE RECEIPT
TOTAL # OF CONTAINERS: 2
RECD. GOOD COND./COLD: Yes

INSTRUCTIONS & COMMENTS:

RELINQUISHED BY: 1	RECEIVED BY: 1	RELINQUISHED BY: 2	RECEIVED BY: 2
SIGNATURE: Craig Hertz Date: 2/5	SIGNATURE: Date: 2/6/93	SIGNATURE: Date:	SIGNATURE: Date:
NAME: Craig Hertz Time:	NAME: DAVID DUONG Time: 5:10 AM	NAME: Time:	NAME: Time:
COMPANY: All Environmental	COMPANY: PEL	COMPANY:	COMPANY:

DWR 2/10

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

February 12, 1993 PEL # 9302020

ALL ENVIRONMENTAL, INC.

Attn: Craig Hertz
Re: Five soil samples for Gasoline/BTEX and Diesel analyses.

Project name: LIM -Oakland
Project number: 1004

Date sampled: Feb 10, 1993 Date submitted: Feb 11, 1993
Date extracted: Feb 11-12, 1993 Date analyzed: Feb 11-12, 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)
AW 1	N.D.	---	N.D.	N.D.	N.D.	N.D.
BW 2	N.D.	---	N.D.	N.D.	N.D.	N.D.
CW 3	N.D.	---	N.D.	N.D.	N.D.	N.D.
DW 4	N.D.	---	N.D.	N.D.	N.D.	N.D.
DISP A	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	101.8%	91.6%	98.3%	103.2%	94.6%	105.7%
Duplicate Spiked Recovery	97.6%	92.2%	90.4%	94.2%	89.5%	97.0%
Detection limit	1.0	1.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	3550 / 8015	8020	8020	8020	8020

David Duong
Laboratory Director

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

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

February 12, 1993 PEL # 9302020

ALL ENVIRONMENTAL, INC.

Attn: Craig Hertz
Re: Five soil samples for total Lead analysis.

Project name: LIM - Oakland
Project number: 1004

Date sampled: Feb 10, 1993 Date submitted: Feb 11, 1992
Date extracted: Feb 11-12, 1993 Date analyzed: Feb 11-12, 1993

RESULTS:

SAMPLE I.D.	Lead (mg/Kg)
AW 1	5.6
BW 2	6.6
CW 3	6.3
DW 4	6.0
DISP A	5.8
Blank	N.D.
Detection limit	1.0
Method of Analysis	7420

David Duong
Laboratory Director

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Priority Environmental Labs
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PEL # 9302020

INV # 23365

Chain of Custody

DATE: 2/10/93 PAGE: 1 OF: 1

PROJECT MGR.: Craig Hertz
COMPANY: All Environmental Inc
ADDRESS: 2641 Crow Canyon Rd.
San Ramon, Ca 94526
PHONE: 510-820-3224 FAX: 510-838-2687
SIGNATURE: Craig Hertz

ANALYSIS REPORT

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 5520 E&F)	PESTICIDES/PCB (EPA 608.8080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1	Lead (7420)	NUMBER OF CONTAINERS
AW1	2/10	3:00	Soil			X						X	1
BW2	2/10	3:15	Soil			X						X	1
CW3	2/10	3:40	Soil			X						X	1
DW4	2/10	4:15	Soil			X						X	1
DispA	2/10	4:45	Soil			X	X					X	1

PROJECT INFORMATION
PROJECT NAME:: LIM - Oakland
PROJECT NUMBER: 1004

SAMPLE RECEIPT
TOTAL # OF CONTAINERS: 5
RECD. GOOD COND./COLD: Yes

INSTRUCTIONS & COMMENTS:

RELINQUISHED BY: 1	RECEIVED BY: 1	RELINQUISHED BY: 2	RECEIVED BY: 2
SIGNATURE: Craig Hertz Date: 2/10	SIGNATURE: David Wong Date: 2/11/93	SIGNATURE: Date:	SIGNATURE: Date:
NAME: Craig Hertz Time:	NAME: DAVID WONG Time: 8:10 Am	NAME: Time:	NAME: Time:
COMPANY: All Environme. +1	COMPANY: PEL	COMPANY:	COMPANY:

DWR 2/12

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

February 17, 1993 PEL # 9302033

ALL ENVIRONMENTAL, INC.

Attn: Craig Hertz
Re: Two soil samples for Lead analysis.

Project name: Lim - Oakland
Project number: 1004

Date sampled: Feb 12, 1993
Date extracted: Feb 16, 1993
Date submitted: Feb 12, 1992
Date analyzed: Feb 17, 1993

RESULTS:

SAMPLE I.D.	Lead (mg/Kg)
NWS 1	11
SES 2	5.1
Blank	N.D.
Detection limit	1.0
Method of Analysis	7420

David Duong
Laboratory Director

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

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

February 15, 1993 PEL # 9302033

ALL ENVIRONMENTAL , INC.

Attn: Craig Hertz
Re: Two soil samples for Gasoline/BTEX and Diesel analyses.

Project name: LIM Oakland
Project number: 1004

Date sampled: Feb 12, 1993 Date submitted: Feb 12, 1993
Date extracted: Feb 12-14, 1993 Date analyzed: Feb 13-14, 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)
NWS 1	1800	100	830	1100	2300	8400
SES 2	130	120	110	240	260	930
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	101.1%	92.7%	101.6%	102.9%	97.5%	104.3%
Detection limit	1.0	1.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	3550 / 8015	8020	8020	8020	8020

David Duong
Laboratory Director

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

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

PEL # 9302033

INV # 23378

Chain of Custody

DATE: 2/12/93 PAGE: 1 OF: 1

PROJECT MGR.: Craig Hertz
COMPANY: All Environmental Inc.
ADDRESS: 2641 Crow Canyon Rd.
: San Ramon, Ca. 94583
PHONE: 510-820-3274 FAX: 510-858-2687
SIGNATURE: Craig Hertz

ANALYSIS REPORT

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 5520 E&F)	PESTICIDES/PCB (EPA 608,8080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1	Lead 7420	NUMBER OF CONTAINERS
HWS1	2/12	4:00	Soil			X	X					X	1
SES2	2/12	4:15	Soil			X	X					X	1
~~EE~~													

PROJECT INFORMATION

PROJECT NAME:: LM-Oakland
PROJECT NUMBER: 1004

SAMPLE RECEIPT

TOTAL # OF CONTAINERS: 2
RECD. GOOD COND./COLD: Yes

INSTRUCTIONS & COMMENTS:

RELINQUISHED BY: 1	RECEIVED BY: 1	RELINQUISHED BY: 2	RECEIVED BY: 2
SIGNATURE: Craig Hertz Date: 2/12/93	SIGNATURE: David Duong Date: 7:20 PM	SIGNATURE: Date:	SIGNATURE: Date:
NAME: Craig Hertz Time:	NAME: DAVID DUONG 2/12/93 Time:	NAME: Time:	NAME: Time:
COMPANY: All Environmental	COMPANY: PEL	COMPANY:	COMPANY:

APPENDIX G

LABORATORY ANALYSIS AND CHAIN OF CUSTODY
FOR SAMPLES TAKEN FROM THE STOCKPILED SOIL

DWR 11/16

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

November 20, 1992 PEL # 9211043

ALL ENVIRONMENTAL , INC.

Attn: Craig Hertz
Re: Four composited soil samples for STLC Lead analysis.

Project name: LIM
Project number: 1004

Date sampled: Nov 16, 1992
Date extracted: Nov 17-19, 1992
Date submitted: Nov 17, 1992
Date analyzed: Nov 17-20, 1992

RESULTS:

SAMPLE I.D.	STLC Lead (mg/L)
K(N,W,S,E)	2.1
M(N,W,S,E)	N.D.
N(N,W,S,E)	N.D.
O(N,W,S,E)	N.D.
Blank	N.D.
Detection limit	0.5
Method of Analysis	1310 / 7420

David Duong
Laboratory Director

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

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

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

PEL # 9211043

INV # 23213

Chain of Custody

DATE: 11 / 17 / 92 PAGE: 1 OF: 1

PROJECT MGR.: Craig Hertz
COMPANY: All Environmental, Inc.
ADDRESS: 596 Indian Home Road
Danville, CA 94526
PHONE: 510 - 820 - 3224 FAX: 838-2687
SIGNATURE:

ANALYSIS REPORT

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 5520 E&F)	PESTICIDES/PCB (EPA 608,8080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1	Pb STLC									NUMBER OF CONTAINERS
K(N,W,S,E)	11/16	2:00	Soil									X									4
M(N,W,S,E)	11/16	2:00	Soil									X									4
N(N,W,S,E)	11/16	2:00	Soil									X									4
O(N,W,S,E)	11/16	2:00	Soil									X									4

PROJECT INFORMATION
PROJECT NAME:: LIM
PROJECT NUMBER: 1004

SAMPLE RECEIPT
TOTAL # OF CONTAINERS: 16
RECD. GOOD COND./COLD: Yes

INSTRUCTIONS & COMMENTS:

RELINQUISHED BY: 1	RECEIVED BY: 1	RELINQUISHED BY: 2	RECEIVED BY: 2
Craig Hertz			
SIGNATURE: Craig Hertz Date: 11/17	SIGNATURE: DAVID DUONG Date: 11/17/4	SIGNATURE: Date:	SIGNATURE: Date:
NAME: All Env. Time: 7:30	NAME: PEL Time: 7:30	NAME: Time:	NAME: Time:
COMPANY:	COMPANY:	COMPANY:	COMPANY:

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

ON Nov 30 Daily Work Report

December 07, 1992 PEL # 9211043

ALL ENVIRONMENTAL, INC.

Attn: Craig Hertz
Re: One composited soil sample for Gasoline/BTEX analysis.

Project name: LIM
Project number : 1004

Date sampled: Nov 16, 1992 Date submitted: Nov 17, 1992
Date extracted: Dec 03, 1992 Date analyzed: Dec 03, 1992

RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
N(N,W,S,E)	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	102.3%	100.7%	98.4%	97.9%	103.1%
Detection limit	1.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	8020	8020	8020	8020

David Duong
Laboratory Director

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

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

December 07, 1992 PEL # 9211043

ALL ENVIRONMENTAL , INC.

Attn: Craig Hertz
Re: Three composited soil samples for RCI analysis.

Project name: LIM
Project number: 1004

Date sampled: Nov 16, 1992 Date submitted: Nov 17,1992
Date extracted: Dec 05, 1992 Date analyzed: Dec 05, 1992

RESULTS:

SAMPLE I.D.	REACTIVITY	CORROSIVITY	IGNITABILITY
M(N,W,S,E)	NO	pH 8.0	NO
N(N,W,S,E)	NO	pH 7.4	NO
O(N,W,S,E)	NO	pH 7.5	NO
Blank	NO	pH 7.0	NO
Method of Analysis	Title 22, CCR 66261.23	Title 22, CCR 66261.22	Title 22, CCR 66261.21

David Duong
Laboratory Director

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

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

December 10, 1992 PEL # 9211043

ALL ENVIRONMENTAL, INC.

Attn: Craig Hertz
Re: One composited soil sample for STLC Lead analysis.

Project name: LIM
Project number: 1004

Date sampled: Nov 16, 1992 Date submitted: Nov 17, 1992
Date extracted: Dec 03-06, 1992 Date analyzed: Dec 09, 1992

RESULTS:

SAMPLE I.D.	STLC Lead (mg/L)
O(N,W,S,E)	N.D.
Blank	N.D.
Detection limit	0.5
Method of Analysis	1310 / 7420

David Duong
Laboratory Director

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

Superior Precision Analytical, Inc.
825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 87353-2
CLIENT: GEOCHEM LABS
CLIENT JOB NO.: 129201

DATE RECEIVED:12/07/92
DATE REPORTED:12/11/92
CLIENT SAMPLE ID: O
DATE SAMPLED: 12/03/92

CAM 17 METALS
Methods: EPA SW 846 6000 & 7000 Series
California Administrative Code Title 22

Compound		Results (mg/kg)	Detection Limit (mg/kg)
Antimony	(Sb)	ND	5
Arsenic	(As)	1	1
Barium	(Ba)	100	5
Beryllium	(Be)	ND	0.5
Cadmium	(Cd)	ND	1
Chromium	(Cr)	42	5
Cobalt	(Co)	ND	10
Copper	(Cu)	20	10
Lead	(Pb)	150	5
Mercury	(Hg)	0.18	0.05
Molybdenum	(Mo)	ND	10
Nickel	(Ni)	30	10
Selenium	(Se)	ND	1
Silver	(Ag)	ND	5
Thallium	(Tl)	ND	5
Vanadium	(V)	30	10
Zinc	(Zn)	150	20

mg/kg = parts per million (ppm)

QAQC Summary: Spike Recovery Range: 84-106%
Duplicate RPD = < 20

Richard Srna, Ph.D.
Laboratory Manager

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

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

PEL # 9211043

INV # 23213 & 23244

Chain of Custody

DATE: 11 / 17 / 92 PAGE: 1 OF: 1

PROJECT MGR.: Craig Hertz
COMPANY: All Environmental, Inc.
ADDRESS: 596 Indian Home Road
Danville, CA 94526
PHONE: 510 - 820 - 3224 FAX: 838-2687
SIGNATURE:

ANALYSIS REPORT

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 5520 E&F)	PESTICIDES/PCB (EPA 608.8080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1	Pb STLC		RCH	CAM 17 metals							NUMBER OF CONTAINERS
K(N,W,S,E)	11/16	2:00	Soil									X										4
M(N,W,S,E)	11/16	2:00	Soil									X										4
N(N,W,S,E)	11/16	2:00	Soil									X										4
O(N,W,S,E)	11/16	2:00	Soil									X										4
M (N,W,S,E)	11/16	2:00	Soil											X								
N (N,W,S,E)	↓	↓	↓			X								X								
O (N,W,S,E)	↓	↓	↓									X		X	X		per Craig Hertz on 12/03/92 at 8:30 AM					

PROJECT INFORMATION

PROJECT NAME:: LIM
PROJECT NUMBER: 1004

SAMPLE RECEIPT

TOTAL # OF CONTAINERS: 16
RECD. GOOD COND./COLD: Yes

INSTRUCTIONS & COMMENTS:

RELINQUISHED BY: 1	RECEIVED BY: 1	RELINQUISHED BY: 2	RECEIVED BY: 2
Craig Hertz			
SIGNATURE: Craig Hertz Date: 11/16	SIGNATURE: DAVID DUONG Date: 11/17/92	SIGNATURE: Date:	SIGNATURE: Date:
NAME: All Env. Time: 7:30	NAME: PEL Time: 7:30	NAME: Time:	NAME: Time:
COMPANY:	COMPANY:	COMPANY:	COMPANY:

DWR 11/30

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

December 16, 1992 PEL # 129203

ALL ENVIRONMENTAL, INC.

Attn: Craig Hertz
Re: One composited soil sample for TSLC Lead analysis.

Project name: LIM
Project number: 1004

Date sampled: Dec 08, 1992 Date submitted: Dec 08, 1992
Date extracted: Dec 08-11, 1992 Date analyzed: Dec 15, 1992

RESULTS:

SAMPLE I.D.	STLC Lead (mg/L)
L-STKP	N.D.
Blank	N.D.
Detection limit	0.5
Method of Analysis	1310/ 7420

David Duong
Laboratory Director

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

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

DWR 11/30

December 08, 1992 PEL # 129203

ALL ENVIRONMENTAL ,INC.

Attn: Craig Hertz
Re: One composited soil sample for RCI analysis.

Project name: LIM
Project number: 1004

Date sampled: Dec 08, 1992 Date submitted: Dec 08,1992
Date extracted: Dec 08, 1992 Date analyzed: Dec 08, 1992

RESULTS:

SAMPLE I.D.	REACTIVITY	CORROSIVITY	IGNITABILITY
L STKP	NO	pH 7.9	NO
Blank	NO	pH 7.0	NO
Method of Analysis	Title 22, CCR 66261.23	Title 22, CCR 66261.22	Title 22, CCR 66261.21

David Duong
Laboratory Director

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[redacted]
1764 Houret Court
Milpitas, CA 95035
(408) 946-9636

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

PEL # 129203

INV # 201169& 23266

Chain of Custody

DATE: 12 / 08 / 92 PAGE: 01 OF: 01

PROJECT MGR.: Craig Hertz
COMPANY: (All Environmental
ADDRESS: 596 Indian Home Road
Danville Ca 94526
PHONE: 510-820-3224 FAX: 510-838-7687
SIGNATURE: Craig Hertz

ANALYSIS REPORT

SAMPLE I.D.	DATE	TIME	MATRIX	LAB I.D.	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 5520 E&F)	PESTICIDES/PCB (EPA 608,8080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1	RCI		STLC Lead								NUMBER OF CONTAINERS
L STKP	12/8	9:30	Soil									X		X								4

Per Craig Hertz
10:15 AM Dec/11/92

PROJECT INFORMATION

PROJECT NAME:: LIM
PROJECT NUMBER: 1004

SAMPLE RECEIPT

TOTAL # OF CONTAINERS: 4
RECD. GOOD COND./COLD: Yes

INSTRUCTIONS & COMMENTS:

RELINQUISHED BY: 1	RECEIVED BY: 1	RELINQUISHED BY: 2	RECEIVED BY: 2
SIGNATURE: Craig Hertz Date: Craig Hertz 12/8	SIGNATURE: David Duong Date: 12/8/92	SIGNATURE: Date:	SIGNATURE: Date:
NAME: Time: All Envr. 17:00	NAME: Time: PEL 12:00 PM	NAME: Time:	NAME: Time:
COMPANY:	COMPANY:	COMPANY:	COMPANY:

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Milpitas, CA 95035
(408) 946-9636

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

PEL # 129203

INV # 201169

Chain of Custody

DATE: 12 / 08 / 92 PAGE: 01 OF: 01

PROJECT MGR.: Craig Hertz
COMPANY: All Environmental
ADDRESS: 596 Indian Home Road
Danville Ca 94526
PHONE: 510-820-3224 FAX: 510-838-7687
SIGNATURE: Craig Hertz

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 5520 E&F)	PESTICIDES/PCB (EPA 608,8080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1	RCI										NUMBER OF CONTAINERS
1 L STKP	12/8	9:30	Soil									+										4

PROJECT INFORMATION
PROJECT NAME:: LIM
PROJECT NUMBER: 1004

SAMPLE RECEIPT
TOTAL # OF CONTAINERS: 4
RECD. GOOD COND./COLD: Yes

INSTRUCTIONS & COMMENTS:

RELINQUISHED BY: 1	RECEIVED BY: 1	RELINQUISHED BY: 2	RECEIVED BY: 2
SIGNATURE: Craig Hertz Date:	SIGNATURE: Date: 12/8/92	SIGNATURE: Date:	SIGNATURE: Date:
NAME: Craig Hertz 12/8 Time:	NAME: DAVID DUONG 12:00 PM Time:	NAME: Time:	NAME: Time:
COMPANY: All Envr. 17:00	COMPANY: PEL	COMPANY:	COMPANY:

DWR 2/3

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

February 07, 1993 PEL # 9302004

ALL ENVIRONMENTAL, INC.

Attn: Craig Hertz
Re: Three composited soil samples for Gasoline/BTEX and Diesel analyses.

Project name: LIM -Oakland
Project number: 1004

Date sampled: Feb 03, 1993 Date submitted: Feb 04, 1993
Date extracted: Feb 05-06, 1993 Date analyzed: Feb 05-06, 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)
ST1-ST4	5.7	6.7	5.0	11	12	43
ST5-ST8	350	27	320	400	460	1800
ST9-ST12	N.D.	510	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	92.1%	94.3%	88.6%	90.2%	94.5%	91.2%
Duplicate Spiked Recovery	89.8%	91.4%	91.0%	87.2%	92.0%	89.8%
Detection limit	1.0	1.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	3550 / 8015	8020	8020	8020	8020

David Duong
Laboratory Director

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

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

February 07, 1993 PEL # 9302004

ALL ENVIERONMENTAL, INC.

Attn: Craig Hertz
Re: Three composited soil samples for RCI analysis.

Project name: LIM - Oakland
Project number: 1004

Date sampled: Feb 03, 1993 Date submitted: Feb 04, 1993
Date extracted: Feb 04-05, 1993 Date analyzed: Feb 04-05, 1993

RESULTS:

SAMPLE I.D.	REACTIVITY	CORROSIVITY	IGNITABILITY
ST1-ST4	NO	pH 7.4	NO
ST5-ST8	NO	pH 7.5	NO
ST9-ST12	NO	pH 7.7	NO
Blank	NO	pH 7.0	NO
Method of Analysis	Title 22, CCR 66261.23	Title 22, CCR 66261.22	Title 22, CCR 66261.21

David Duong
Laboratory Director

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

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

February 09, 1993 PEL # 9302004

ALL ENVIRONMENTAL, INC.

Attn: Craig Hertz
Re: Three composited soil samples for STLC Lead analysis.

Project name: LIM - Oakland
Project number: 1004

Date sampled: Feb 03, 1993 Date submitted: Feb 04, 1992
Date extracted: Feb 04-06, 1993 Date analyzed: Feb 08, 1993

RESULTS:

SAMPLE I.D.	STLC Lead (mg/L)
ST1-ST4	N.D.
ST5-ST8	N.D.
ST9-ST12	N.D.
Blank	N.D.
Detection limit	0.5
Method of Analysis	1310 / 7420

David Duong
Laboratory Director

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

Priority Environmental Labs
1764 Houret Court
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(408) 946-9636

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PEL # 9302004

INV # 23349

DATE: 2/3/93 PAGE: 1 OF: 1

PROJECT MGR.: Craig Hertz
COMPANY: All Environmental
ADDRESS: 132 Vista Del Diablo
Danville Ca 94526
PHONE: 510-820-3274 FAX: 510-838-1763
SIGNATURE: Craig Hertz

ANALYSIS REPORT

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 5520 E&F)	PESTICIDES/PCB (EPA 608.8080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1	RCI	Lead (STLC)	NUMBER OF CONTAINERS
ST1 - ST4	2/3	5:00	Soil			X	X					X	X	4
ST5 - ST8	2/3	5:20	Soil			X	X					X	X	4
ST9 - ST12	2/3	5:45	Soil			X	X					X	X	4

PROJECT INFORMATION
PROJECT NAME: Lim - Oakland
PROJECT NUMBER: 1004

SAMPLE RECEIPT
TOTAL # OF CONTAINERS: 12
RECD. GOOD COND./COLD: Yes

INSTRUCTIONS & COMMENTS:

RELINQUISHED BY: 1	RECEIVED BY: 1	RELINQUISHED BY: 2	RECEIVED BY: 2
SIGNATURE: Craig Hertz Date: 2/3	SIGNATURE: David Duong Date: 2/4/93	SIGNATURE: Date:	SIGNATURE: Date:
NAME: Craig Hertz Time:	NAME: DAVID DUONG Time: 7:00 AM	NAME: Time:	NAME: Time:
COMPANY: All Environmental	COMPANY: PEL	COMPANY:	COMPANY:

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

February 18, 1993 PEL # 9302044

ALL ENVIRONMENTAL, INC.

Attn: Craig Hertz
Re: Four composited soil samples for Gasoline/BTEX and Diesel analyses.

Project name: LIM
Project number: 1004

Date sampled: Feb 17, 1993 Date submitted: Feb 18, 1993
Date extracted: Feb 18-19, 1993 Date analyzed: Feb 18-19, 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)
ST 1	N.D.	12	N.D.	N.D.	N.D.	N.D.
ST 3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
ST 9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
ST 10	7.3	N.D.	N.D.	7.0	7.7	51
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	101.1%	95.1%	101.6%	102.9%	97.5%	104.3%
Duplicate Spiked Recovery	90.2%	98.0%	90.1%	92.8%	86.0%	93.2%
Detection limit	1.0	1.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	3550 / 8015	8020	8020	8020	8020

David Duong
Laboratory Director

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PRIORITY ENVIRONMENTAL LABS
Precision Environmental Analytical Laboratory

February 19, 1993 PEL # 9302044

ALL ENVIERONMENTAL, INC.

Attn: Craig Hertz
Re: Four composited soil samples for RCI analysis.

Project name: LIM
Project number: 1004

Date sampled: Feb 17, 1993 Date submitted: Feb 18, 1993
Date extracted: Feb 18, 1993 Date analyzed: Feb 18, 1993

RESULTS:

SAMPLE I.D.	REACTIVITY	CORROSIVITY	IGNITABILITY
ST 1	NO	pH 7.9	NO
ST 3	NO	pH 7.0	NO
ST 9	NO	pH 6.9	NO
ST 10	NO	pH 7.2	NO
Blank	NO	pH 7.0	NO
Method of Analysis	Title 22, CCR 66261.23	Title 22, CCR 66261.22	Title 22, CCR 66261.21

David Duong
Laboratory Director

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

PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

February 22, 1993

PEL # 9302044

ALL ENVIRONMENTAL, INC.

Attn: Craig Hertz
Re: Four soil samples for STLC Lead analysis.

Project name: LIM
Project number: 1004

Date sampled: Feb 17, 1993
Date extracted: Feb 18-20, 1993

Date submitted: Feb 18, 1992
Date analyzed: Feb 22, 1993

RESULTS:

SAMPLE I.D.	STLC Lead (mg/L)
ST 1	N.D.
ST 3	N.D.
ST 9	N.D.
ST 10	N.D.
Blank	N.D.
Detection limit	0.5
Method of Analysis	1310 / 7420

David Duong
Laboratory Director

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

PRIORITY ENVIRONMENTA

PEL # 9302044

INV # 23389

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

DATE: ____/____/____ PAGE: ____ OF: ____

PROJECT MGR.: Craig Hertz
COMPANY: All Environmental Inc.
ADDRESS: 2641 Crow Canyon Rd
San Ramon Ca 94583
PHONE: 510-820-3224 FAX: 510-838-2687
SIGNATURE:

SAMPLE ID	DATE	TIME	MATRIX	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 5520 C,D&F)	PESTICIDES/PCB (EPA 608,8080)	TOTAL RECOVERABL HYDROCARBONS (EPA 418.1)	CHLORINATED HYDROCARBONS (EPA 601,8010)	RCJ	STLC Lead 7420	NUMBER OF CONTAINERS
ST1					X	X						X	X	4
ST3					X	X						X	X	4
ST9					X	X						X	X	4
ST10					X	X						X	X	4

TABLE 3

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PROJECT INFORMATION

PROJECT NAME: Lim
PROJECT NUMBER: 1004

SAMPLE RECEIPT

TOTAL # OF CONTAINERS	16
RECD. GOOD COND./COLD	Yes

INSTRUCTIONS & COMMENTS:

RELINQUISHED BY: 1	RECEIVED BY: 1	RELINQUISHED BY: 2	RECEIVED BY: 2
SIGNATURE: Craig Hertz / Craig Hertz	SIGNATURE: DAVID DUONG	SIGNATURE:	SIGNATURE:
Date: 2/18/93 Time: 7:30	Date: 2/18/93 Time: 7:30	Date: Time:	Date: Time:
COMPANY: All Environmental	COMPANY: PEL	COMPANY:	COMPANY: