aqua science engineers inc.

June 1, 1992

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

Prepared for:

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

Submitted by:
Aqua Science Engineers
1041 Shary Circle
Concord, CA 94518
(510) 685-6700

TABLE OF CONTENTS

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~~ are 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:

Santa Clara Co. used to be called ~~Geo-Chem~~ Geochem

Certificate # 1708

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	gas + BTEX & 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	N-D	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.	N-D	N-D	N-D	ND	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
TTLC						1,000	
STLC						5	

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
TTLC		100	Cr6 500 Cr3 2,500	2,000	5,000	
STLC		1	5	20	250	

* - 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.

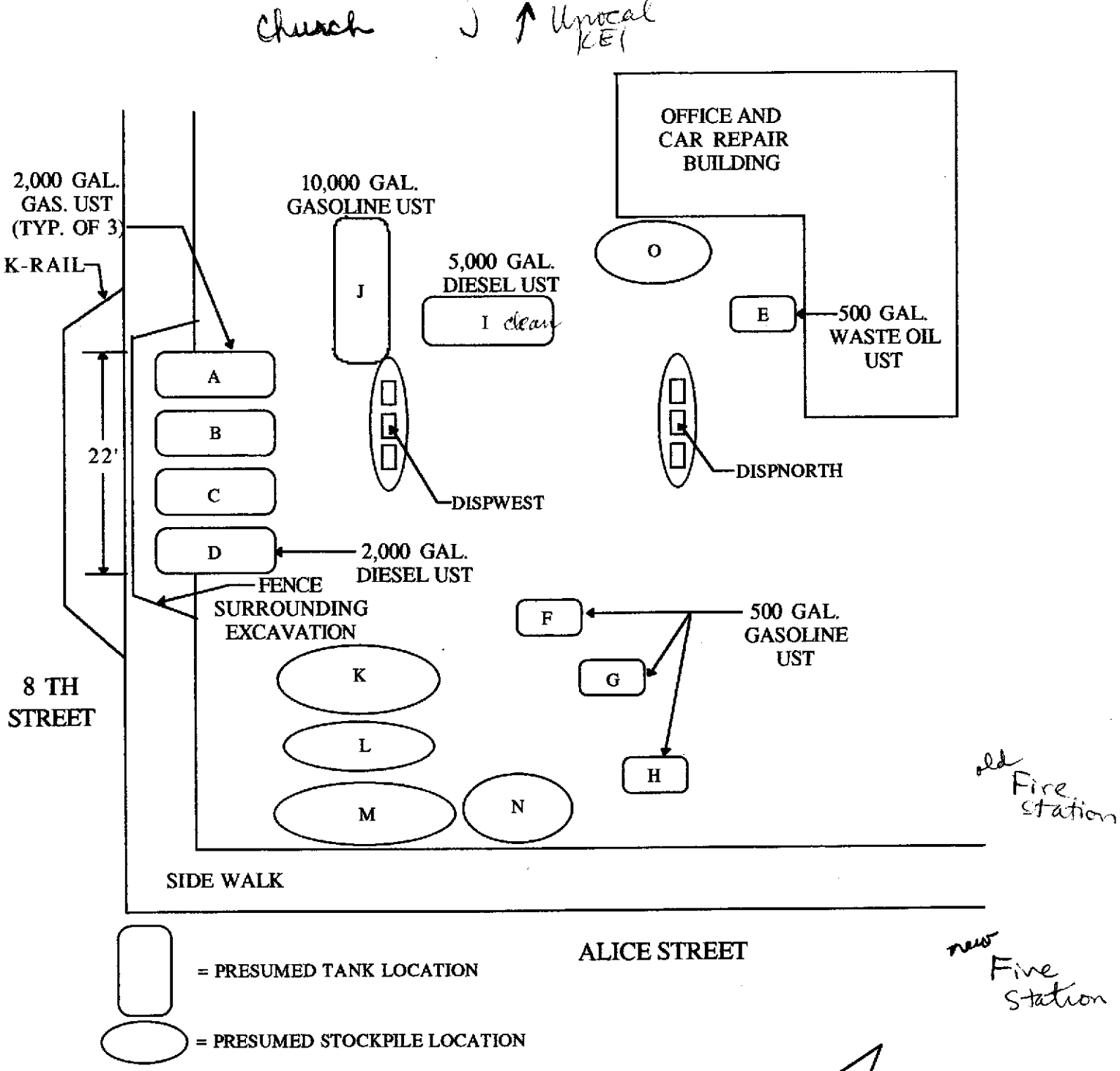
5.0 BACKFILLING AND RESURFACING

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~~ 500 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~~ 2 STK H had only Pb 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.



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.

AQUA SCIENCE ENGINEERS, INC

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

SCALE: 1" = 20'

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

Project Specialist (print) SUSAN L. HUGO

ACCEPTED
DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, CA

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

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

rev 12/90

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, ground-water, 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	8010 or 8240		
Metals: Ca, Cr, Pb, Zn, Ni			
PCB's			
PCP			
PNA			
Creosote			

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

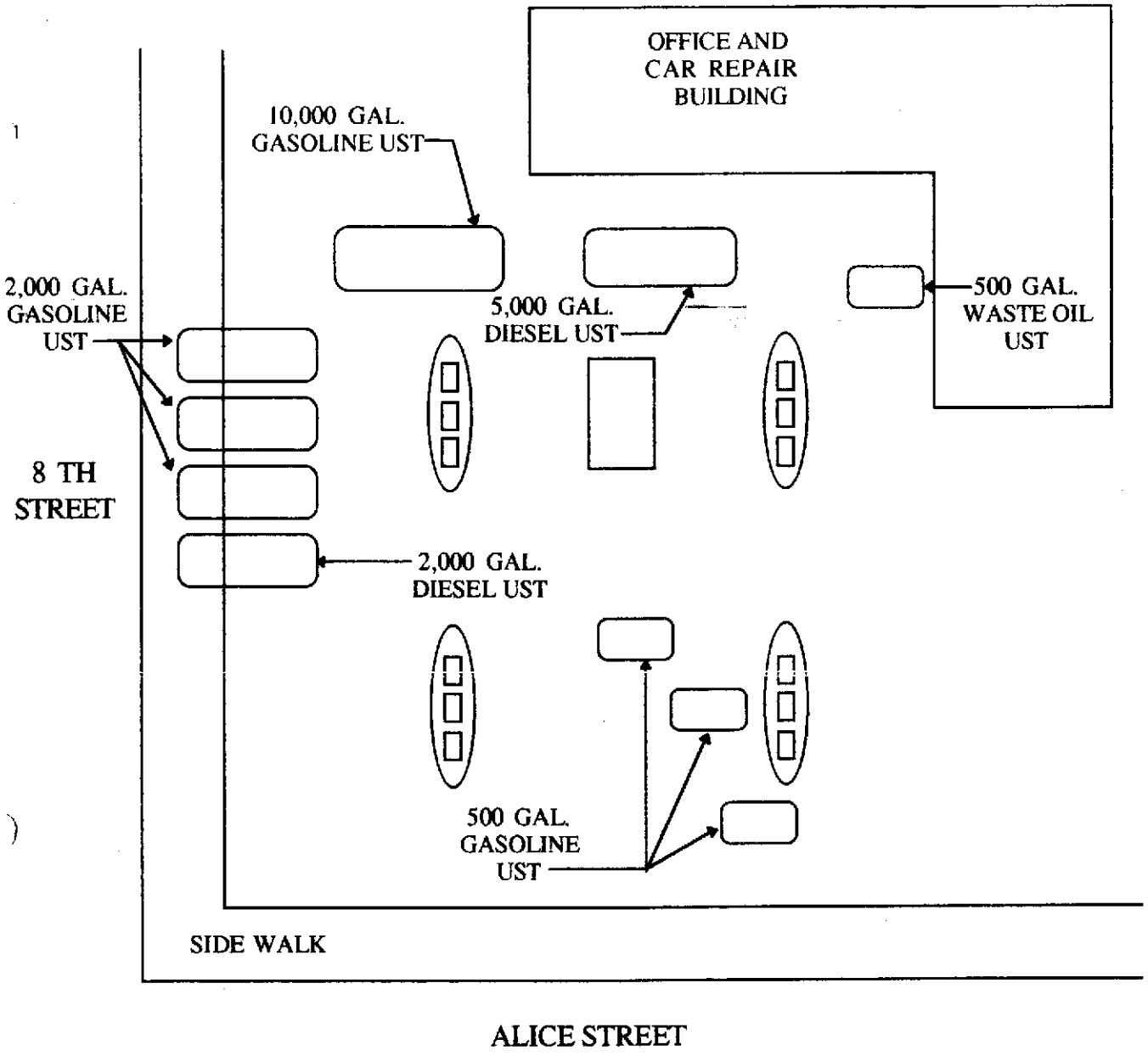
Signature of Site Owner or Operator

Name (please type) Russell Lim

Signature

Date March 18, 1992

rev 12/90



= 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 Gallons, each.

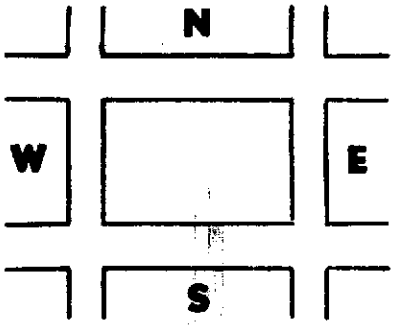
1 5,000
4 2,000
3 500
1 250

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.

538-68 (6-67)

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

LOCATION OF WORK 250 8th St. BETWEEN ~~8th~~ Alice AND ~~7th~~ Harrison
(Street or Address) (Street/Ave.) (Specify)

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

APPLICANT Agua Science Engineers

ADDRESS 1411 Shary Circle, Concord PHONE #: 685-6740

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

NATURE OF WORK: UST Removal

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 Agua Science Eng.

☐ Certified copy is hereby furnished.

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

Signature Craig Hunt Date 3/23/12

(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.

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 74	
SPECIAL PAVING DETAIL REQUIRED	YES	NO X

24-HOUR EMERGENCY PHONE NUMBER _____
PERMIT NOT VALID WITHOUT 24 HOUR NUMBER.

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

ATTENTION

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

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

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 487000 A CITY BUSINESS TAX # _____

X Craig Hunt Date 3/23/12
Signature of Contractor Owner or Agent

☐ Agent for ☒ Contractor ☐ Owner

OFFICIAL USE ONLY

UTILITY COMPANY REPORT

Supervisor _____ Date _____

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

1/91

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 informtion 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 writen 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

NG SERVICE (415)436-7606 516718

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

B9201101

DEPARTMENT OF

BUILDING PERMIT APPLICATION

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

B9201101

Permit No. B

Call for Inspection 273-3444

DATE ISSUED

APPL	30.00
BUILDING	166.00
PROCESS	225.00
MICR	4.98
SUBTL	425.98
DATE FILED	

☐ NEW ☐ REPAIR ITEM ☐ ADDITION

☐ MOVE ☐ ALTERATION ☒ DEMOLITION

☐ OTHER

OWNER

BUILDING ADDRESS 250 8th Street

TRACT BLOCK PAGE LOT PARCEL

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 B+ C57 487000 CITY BUSINESS TAX#

CONTRACTOR NAME AQUA Science Engineers

ADDRESS 1041 Shary Circle

CITY Concord ST. Ca ZIP 94518 PHONE 685-6700

SIGNATURE Craig West 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

COMPENSATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worke.s' 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 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 West Date 3/25/91

Signature of Contractor or Owner or Agent

Craig West

DESCRIBE BRIEFLY ALL PROPOSED CONSTRUCTION WORK.

Abandoned Gas station - - remove canopies & cashiers Hut. (DEMO)

PERMIT NO. B 9201101

Plan Filed On Survey filed

Size of Bldg. 1660 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.

DISTRICT NO. 11

ADDRESS 250

OFFICIAL USE ONLY

VALUE:	Appl. Fee	$ 30.00
	Checking Fee	$
	B.R. Tax	$
	Pl. Pl. Rev.	$
$	TOTAL	$
	General Fee	$ 166.00
Processing	Checking 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	$

INITIAL		DATE
BJ	LICENSE/OWNER VERIFICATION X	
	ZONING & PLANNING NO.	25/MAR/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 DOR	APPL FIELD CHKD BY CB	PLAN CHECKED BY
	DATE	DATE

DATE FILED

APPENDIX B

HAZARDOUS WASTE MANIFEST

Please print or type. *Form designed for use on elite (12-pitch typewriter).* and Front of Page 7 — Toxic Substances Control Division, Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAC000678456 — Manifest Document No. 82283

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: 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.	008	TP	12000	P	State 312 / 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) #9633, 9634, 9635 9636, 9637. Tank (s) have been inerted with 15 lbs. Dry Ice per 1000 Gal. Capacity. ALSO TANK #'S 9638, 9639, AND 9640

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: AS AGENTS FOR ALICE, MAY, STEVE DeHaro, AND EDWARD LIM — Signature — Month Day Year: 05 07 92

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Robert Hainey, 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 18.

Printed/Typed Name — Signature — Month Day Year

GENERATOR / TRANSPORTER / FACILITY

DHS 8022 A
EPA 8700—22
(Rev. 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) 182051 and Front of Page 7 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.: 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

C. State Transporter's ID: 205169

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: 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
b.					State NONE; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above

Qty. TWO Empty Storage Tank (s) # 8641, 8642 (5K, 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	Signature	Month Day Year
Steve DeHope, A.S.I. Agent for Alice, May and Edward Lim	[signature]	05 07 92

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Jerry Hulsey Erickson Inc.	[signature]	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

9064 8286

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

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

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

and Front of Page 7

Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. / Manifest Document No.: CAC000781106 / 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, 750 7th ST, OAKLAND CA 94607
4. Generator's Phone: 510-452-3156

A. State Manifest Document Number: 91024821
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, 2000 N. ALAMEDA, COMPTON CA
10. US EPA ID Number: CAT080013352
G. State Facility's ID
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	01	TT	350	G	State 221 / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: [illegible]

K. Handling Codes for Wastes Listed Above: a. [illegible] K b. c. d.

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: [illegible] for Alice, Edward Lim — Signature: [signature] — Month Day Year: 04 12 92

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MONICA PACCON — Signature: [signature] — Month Day Year: 04 12 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

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

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

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

91024821

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

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

Precision Environmental Analytical Laboratory

June 01, 1992 PEL # 0592008

AQUA SCIENCE ENGINEERS, INC.

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

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

Date sampled:May 07, 1992 Date submitted:May 08, 1992
Date extracted:June 01, 1992 Date analyzed:June 01, 1992

RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
N-STKP	31	N.D.	7.3	29	73
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	90.1%	98.4%	102.6%	95.8%	107.1%
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
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
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
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
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

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

aqua science engineers inc.

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

CI INV # 201079

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&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 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			V Duong 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

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PO Box 535, San Ramon CA 94583
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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 WET (EPA 1311/1310)	REACTIVITY CORROSIVITY IGNITABILITY	
0 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 12 PM
(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 [X] NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED ? [ ] YES [X] 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: [X] 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 | QUANTITY LOST (GALLONS) | [ ] UNKNOWN
(2) NAME | QUANTITY LOST (GALLONS) | [X] UNKNOWN

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

SOURCE/CAUSE
SOURCE OF DISCHARGE: [X] TANK LEAK [ ] UNKNOWN [ ] PIPING LEAK [ ] OTHER
CAUSE(S): [X] OVERFILL [ ] RUPTURE/FAILURE [ ] SPILL [X] CORROSION [ ] UNKNOWN [ ] OTHER _____

CASE TYPE
CHECK ONE ONLY
[ ] UNDETERMINED [ ] SOIL ONLY [X] GROUNDWATER [ ] DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS
CHECK ONE ONLY
[X] NO ACTION TAKEN [ ] PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED [ ] POLLUTION CHARACTERIZATION
[X] 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) [X] EXCAVATE & DISPOSE (ED) [ ] REMOVE FREE PRODUCT (FP) [ ] ENHANCED BIO DEGRADATION (IT)
[ ] CONTAINMENT BARRIER (CB) [X] EXCAVATE & TREAT (ET) [ ] PUMP & TREAT GROUNDWATER (GT) [ ] REPLACE SUPPLY (RS)
[X] VACUUM EXTRACT (VE) [ ] NO ACTION REQUIRED (NA) [ ] TREATMENT AT HOOKUP (HU) [ ] VENT SOIL (VS)
[ ] OTHER (OT) _____

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.