



March 18, 1993

3/18/93

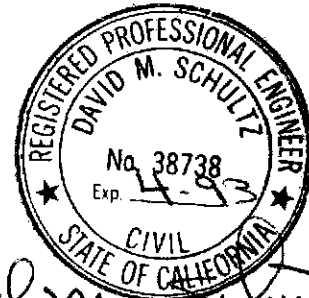
**FINAL REPORT  
UNDERGROUND STORAGE TANKS REMOVAL**

at

The Thomas A. Short Company (TASCO)  
3430 Wood Street  
Oakland, CA 94608

Submitted by:

Aqua Science Engineers  
2411 Old Crow Canyon Road, #4  
San Ramon, California 94583  
(510) 820-9391





2010011015

March 26, 1993

Alameda County Health Care Services Agency  
80 Swan Way, Room 350  
Oakland, California 94621

386

ATTENTION: Ms. Jennifer Eberle  
Hazardous Materials Specialist

SUBJECT: Final Report - Tank Removal Operations  
The Thomas A. Short Company  
3430 Wood Street  
Oakland, CA 94608

Dear Ms. Eberle:

Please find attached a copy of Aqua Science Engineer's subject report.

If you have any questions or comments, please feel free to give us a call  
at (510) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

  
David Allen  
Project Manager

cc: Mr. Thomas D. LaFlamme, Property Owner  
Mr. Rich Hiatt, RWQCB, San Francisco Bay Region

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## 1.0 INTRODUCTION

This report documents the removal, disposal and related activities of the underground storage tanks closure performed at the Thomas A. Short Company (TASCO), 3430 Wood Street in Oakland, California (see Figure 1, Location Map). The following tanks were removed from the site: one (1) fiberglass, 4000 gallon gasoline tank, and one (1) steel, 1000 gallon diesel underground storage tank (see Figure 2, Site Plan). The scope of services provided by Aqua Science Engineers, Inc. (ASE) was in accordance with ASE proposal No. 2270 and its addendum and included the following tasks:

- o Obtain necessary permits from appropriate agencies.
- o Remove and dispose of liquids from the tanks.
- o Remove and dispose of the underground storage tanks.
- o Sample and analyze the soil beneath the tanks.
- o Sample and analyze the excavation sidewalls.
- o Overexcavate contaminated soil and re-sample.
- o Backfill excavation to grade.
- o Prepare a report of methods and findings.

## 2.0 PERMITS

The approvals/permits to remove the underground storage tanks were obtained from the City of Oakland Fire Prevention Bureau (COFPB), the Alameda County Health Care Services Agency (ACHCSA), CAL-OSHA, and the Bay Area Air Quality Management District (BAAQMD). Originals of the permits, applications, forms and notification documents are contained in Appendix C.

## 3.0 LIQUID REMOVAL

The two tanks contained approximately 275 gallons total of residual product along with rinsewater used to clean the tanks' insides. The liquid was pumped out and transported to the Demenno Kerdoon Facility in Compton, California under a hazardous waste manifest by Waste Oil Recovery (WORS), a licensed hazardous waste hauler (D.O.H.S. #843).

→ copy of ?



determined that no holes were present. Upon removal of the tanks, groundwater was exposed in the excavation.

Tanks were transported to the Erickson Facility in Richmond, CA (a licensed recycling facility, No. CAD009466392) by Dexanna, Inc. (a licensed hazardous waste hauler, No. CAD982438566), where they were properly disposed. See Appendix B for copies of the Manifests, and see Appendix D for Tank Recycling Certificates.

~~1000 gal~~  
1000 gal } UST  
+ 1100 gal }

### 7.0 OVEREXCAVATION

During tank removal operations, it was apparent that soil petroleum contamination was present in the excavation. In an effort to remediate this petroleum-contaminated soil, overexcavation activities were conducted. The use of a hand-held organic vapor monitor (OVM 580A) was used to monitor each bucket full of overexcavated material to delineate the non-contaminated zones from the contaminated zones. The overexcavated material was stockpiled near the excavation and covered with plastic. Once it appeared that the contaminated soil had been appropriately removed, sampling activities were performed to verify that the overexcavation activities were successful. The following section discusses the sampling activities.

or  
1-29

quantity  
yd<sup>3</sup> ?

### 8.0 SAMPLING AND ANALYSIS

Soil samples were collected from the former tanks excavation and stockpiled soil as follows:

TABLE ONE  
SAMPLE LOCATIONS - EXCAVATION PIT and STOCKPILE

<u>Sample Identification</u>	<u>Location</u>	<u>Depth</u>
GSWN	North Sidewall under Gas Tank	9.0'
GSWS	South Sidewall under Gas Tank	9.0'
DSB-1	Soil from beneath Diesel Tank	8.5'
DSB-2	Soil from beneath Diesel Tank	8.5'
E-1	East Sidewall	9.0'
E-2	East Sidewall	9.5'
N	North Sidewall	9.0'
S-1	South Sidewall	9.5'
S-2	South Sidewall	9.5'
W	West Sidewall	9.0'
STKP-E (composited)	Stockpiled Soil, East Side	
STKP-W (composited)	Stockpiled Soil, West Side	

1-28

1-29

orig. tank removal

I thought  
7.5'

For locations of these sample locations, see Figure 3 - Sampling Plan. The soil samples listed above were collected by use of the backhoe bucket, then a 2" x 6" brass sample tube was inserted to collect a sample. The soil samples were secured using aluminum foil, capped, and sealed with tape and transported directly to the analyzing laboratory under proper chain of custody procedures. The stockpile samples (STKP-E and STKP-W) were composited by the laboratory. The composite sample consisted of four (4) discrete samples which were combined by the lab to form one (1) sample for analysis. Samples were submitted for analysis to the state certified laboratory, Priority Environmental Labs in Milpitas, California (DHS No. 1708). The soil samples were analyzed for Total Petroleum Hydrocarbons (TPH) as Gasoline (EPA 5030/8015), TPH as Diesel (EPA 3550/8015), the fractions BTEX (EPA 8020), and Total Extractable Lead (EPA 7420). Analysis results are shown below (Table Two) and copies can be found in Appendix A. ✓

**TABLE TWO**  
**EXCAVATION PIT SOIL SAMPLE RESULTS**

Sample ID.	TPH Gasoline (ppm)	TPH Diesel (ppm)	Benzene (ppb)	Toluene (ppb)	Ethyl Benzene (ppb)	Total Xylenes (ppb)	Lead (ppm)
1-28 { GSWN } gas	2.6 ✓	N.D. ✓	<del>0.0</del> ✓	8.4	10	25	6.3 ✓
GSWS	3.5 ✓	N.D. ✓	<del>0.1</del> ✓	10	14	32	10 ✓
1-28 { DSB-1 } diesel	49 ✓	N.D. ✓	<del>0.7</del> ✓	49	65	240	10 ✓
DSB-2	17 ✓	N.D. ✓	<del>0.8</del> ✓	26	37	130	8.9 ✓
E-1	19 ✓	N.D. ✓	<del>0.3</del> ✓	88	160	280	15 ✓
E-2	5.4 ✓	N.D. ✓	<del>0.3</del> ✓	15	21	61	14 ✓
1-29 { N }	3.3 ✓	N.D. ✓	<del>0.3</del> ✓	13	18	48	15 ✓
S-1	13 ✓	N.D. ✓	<del>0.4</del> ✓	22	37	89	10 ✓
S-2	10 ✓	N.D. ✓	<del>0.2</del> ✓	16	17	84	9.8 ✓
W	1.8 ✓	N.D. ✓	N.D. ✓	6.2	12	24	14 ✓
STKP-E*	<del>2.6</del>	28 ✓	<del>0.0</del>	250	480	1900	<del>10</del>
STKP-W*	<del>3.5</del>	N.D. ✓	<del>0.1</del>	160	320	990	<del>10</del>
EPA METHOD	5030/ 8015	3550/ 8015	8020	8020	8020	8020	7420

\* - Composited sample (performed at the lab)  
 ND - Non Detectable at analytical method limits  
 ppm - parts per million  
 ppb - parts per billion

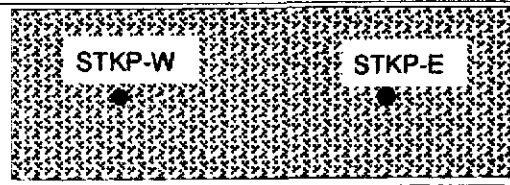
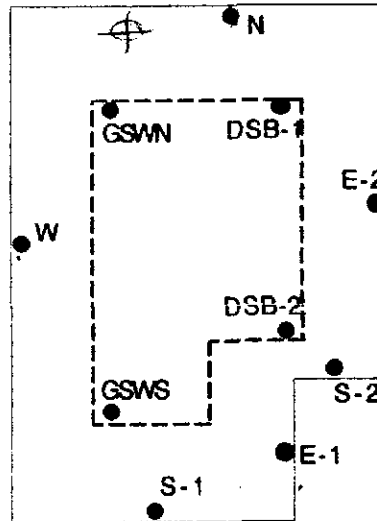


NOT TO SCALE

WOOD STREET

FENCE

MANUFACTURING BUILDING



**LEGEND**



EXCAVATION LIMITS AFTER INITIAL TANK REMOVAL



EXCAVATION LIMITS AFTER OVEREXCAVATION ACTIVITIES



STOCKPILED, CONTAMINATED SOIL



SOIL SAMPLE LOCATION

PARKING AREA

**SAMPLING PLAN**

TASCO Facility  
3430 Wood Street  
Oakland, California

Aqua Science Engineers

Figure 3



## 9.0 BACKFILLING AND RESURFACING

The excavation was backfilled and compacted with a clean, imported material once verbal approval from the ACHCSA was received. The approval was granted once soil sample analytical results were available. The excavation was backfilled to grade; however, resurfacing to match existing surroundings was determined not to be necessary.

## 10.0 STOCKPILED SOIL

The material that was overexcavated remains on site, covered. Based on analytical results, this soil must be handled as hazardous material and disposed of properly. Due to the levels of lead, it appears that this material will require recycling at an appropriately licensed, Class II landfill.

## 11.0 DISCUSSION AND CONCLUSIONS

Two underground tanks were removed from the site and properly disposed of: 1 4,000 gallon fiberglass tank, previously containing gasoline (tank #10537), and 1 - 1,000 gallon steel tank, previously containing diesel fuel (tank #10536). The tanks were transported as hazardous waste to the Erickson Facility in Richmond California, to be cleaned and disposed of as scrap. See Appendix D for copies of the Tank Recycling Certificates.

Overexcavation of petroleum-contaminated soils was conducted to remove and stockpile areas of elevated levels of contamination within the excavation pit. Sampling and subsequent analytical testing verified that overexcavation of contaminated soils was sufficient in removing the appropriate amounts of contaminated soil. Although detectable levels of petroleum and lead contamination still existed in the excavation (based on soil sampling required by the ACHCSA), it was determined by the ACHCSA representative that these levels did not warrant any further soil remediation activities. The excavation was backfilled, and the stockpiled material remains on site.

*I did not say that.*

~~A ground water monitoring well located adjacent to the former excavation, will be sampled to investigate the possibility of the presence of petroleum contamination in the groundwater. Results of such sampling and subsequent analysis will be made available to the appropriate agencies in the very near future.~~

*OK*

## 12.0 REPORT LIMITATIONS

The results of this investigation represent conditions at the time and specific location at which soil samples were collected, and for the specific parameters analyzed for by the laboratory. It does not fully characterize the site for contamination resulting from sources other than the former underground storage tanks at the site, or for parameters not analyzed for by the laboratory. All of the laboratory work cited in this report was prepared under the direction of independent CSDHS certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

ASE appreciates having the opportunity to provide our services to you. If you have any questions or comments, please feel free to give us a call at (510) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.



David Allen  
Project Manager

Enclosures:      Figure 1 - Location Map  
                     Figure 2 - Site Plan  
                     Figure 3 - Sampling Plan  
                     Appendices A - D

cc:                ACHCSA, Ms. Jennifer Eberle  
                     RWQCB, San Francisco Bay Region, Mr. Rich Hiatt



**SITE LOCATION MAP**

**TASCO Facility  
3430 Wood Street  
Oakland, California**

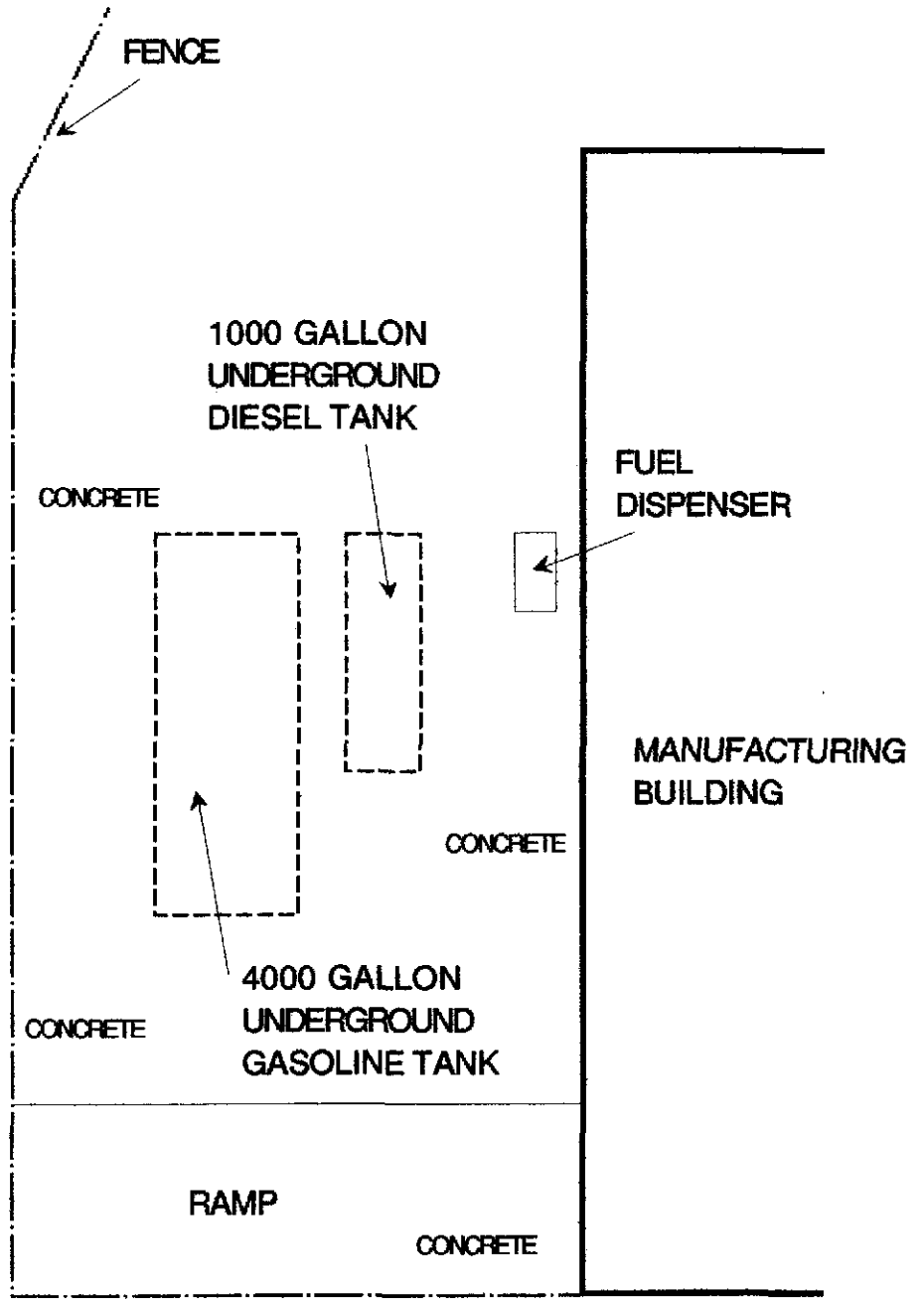
BASE: Oakland West 7.5 minute quadrangle topographic map, dated 1980, scale 1:24,000.

**Aqua Science Engineers**

**Figure 1**



WOOD STREET



PARKING AREA

### SITE PLAN

TASCO Facility  
3430 Wood Street  
Oakland, California

Aqua Science Engineers

Figure 2

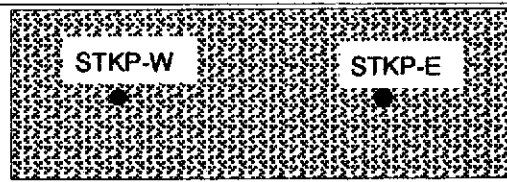
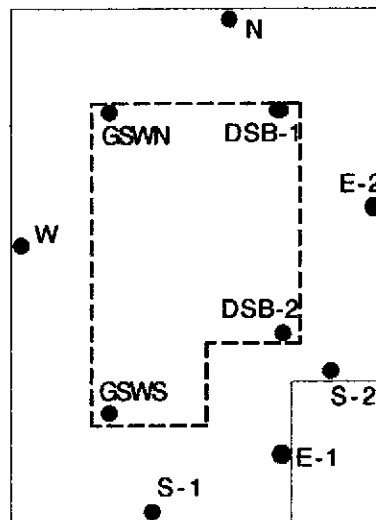


NOT TO SCALE

FENCE

WOOD STREET

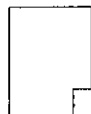
MANUFACTURING BUILDING



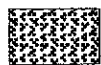
**LEGEND**



EXCAVATION LIMITS AFTER INITIAL TANK REMOVAL



EXCAVATION LIMITS AFTER OVEREXCAVATION ACTIVITIES



STOCKPILED, CONTAMINATED SOIL

GSWS



SOIL SAMPLE LOCATION

PARKING AREA

**SAMPLING PLAN**

TASCO Facility  
3430 Wood Street  
Oakland, California

Aqua Science Engineers

Figure 3

**APPENDIX A**  
**LABORATORY ANALYSIS**  
**and**  
**CHAIN OF CUSTODY SHEETS**



# PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

February 01, 1993

PEL # 9301042

AQUA SCIENCE ENGINEERS, INC.

Attn: David Allen

Re: Four soil samples for Gasoline/BTEX and Diesel analyses.

Project name: Tasco

Project location: 3430 Wood St., -Oakland

Project number: 2602

Date sampled: Jan 28, 1993

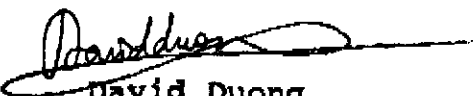
Date submitted: Jan 29, 1993

Date extracted: Jan 29-31, 1993

Date analyzed: Jan 29-31, 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)
GSWN	2.6 ✓	N.D.	5.0 ✓	8.4	10	25
GSWS	3.5 ✓	N.D.	7.1 ✓	10	14	32
DSB 1	49 ✓	N.D.	27 ✓	49	65	240
DSB 2	17 ✓	N.D.	18 ✓	26	37	130
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



# PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

February 02, 1993

PEL # 9301042

AQUA SCIENCE ENGINEERS, INC.

Attn: David Allen

Re: Four soil samples for total Lead analysis.

Project name: Tasco

Project location: 3430 Wood St., - Oakland

Project number: 2602

Date sampled: Jan 28, 1993

Date submitted: Jan 29, 1992

Date extracted: Feb 01-02, 1993

Date analyzed: Feb 01-02, 1993

## RESULTS:

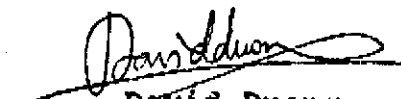
SAMPLE I.D.	Lead (mg/Kg)
----------------	-----------------

GSWN	6.3 ✓
GSWS	10 ✓
DSB 1	10 ✓
DSB 2	8.9 ✓

Blank	N.D.
-------	------

Detection limit	1.0
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Method of Analysis	7420
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David Duong  
Laboratory Director





# PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

February 01, 1993

PEL # 9301045

AQUA SCIENCE ENGINEERS, INC.

Attn: Steve DeHope

Re: Eight soil samples for Gasoline/BTEX and Diesel analyses.

Project name: Tasco

Project location: 3430 Wood St., -Oakland

Project number: 2602

Date sampled: Jan 29, 1993

Date submitted: Jan 30, 1993

Date extracted: Jan 30-31, 1993

Date analyzed: Jan 30-31, 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)
E-1	19 ✓	N.D. ✓	31 ✓	88	160	280
E-2	5.4 ✓	N.D. ✓	5.5 ✓	15	21	61
N	3.3 ✓	N.D. ✓	5.0 ✓	13	18	48
S-1	13 ✓	N.D. ✓	9.1 ✓	22	37	89
S-2	10 ✓	N.D. ✓	6.2 ✓	16	17	84
W	1.8 ✓	N.D. ✓	N.D. ✓	6.2	12	24
STKP-E*	510 ✓	28 ✓	180 ✓	250	480	1900
STKP-W*	280 ✓	N.D. ✓	90 ✓	160	320	990
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

\* Compositated soil samples.

David Duong  
Laboratory Director



# PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

February 02, 1993

PEL # 9301045

AQUA SCIENCE ENGINEERS, INC.

Attn: Steve DeHope

Re: Eight soil samples for total Lead analysis.

Project name: Tasco

Project location: 3430 Wood St., - Oakland

Project number: 2602

Date sampled: Jan 29, 1993

Date submitted: Jan 30, 1992

Date extracted: Feb 01-02, 1993

Date analyzed: Feb 01-02, 1993

## RESULTS:

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

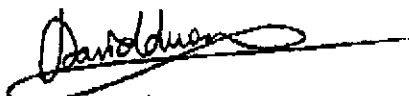
E-1	15 ✓
E-2	14 ✓
N	15 ✓
S-1	10 ✓
S-2	9.8 ✓
W	14 ✓
STKP-E*	140 ✓
STKP-W*	75 ✓

Blank                      N.D.

Detection  
limit                      1.0

Method of  
Analysis                      7420

\* Compositated soil samples.

  
David Duong  
Laboratory Director

Aqua Science Engineers, Inc.  
 2411 Old Crow Canyon Road, #4,  
 San Ramon, CA 94583  
 (510) 820-9391 - FAX (510) 837-4853

# Chain of

INV # 23345  
 PEL # 9301045

DATE 1-30-93 PAGE 1 OF 1

SAMPLERS (SIGNATURE) \_\_\_\_\_ (PHONE NO.) \_\_\_\_\_ PROJECT NAME TASCO NO. 2602  
 ADDRESS 2430 Wood St.

## ANALYSIS REQUEST

**SPECIAL INSTRUCTIONS:**

Composite stock pile

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 602/3020)	PURGABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240)	BASE/NUTRIENTS, ACIDS (EPA 625/8270)	OIL & GREASE (EPA 5520 REF OR REF)	LIGHT METALS (5) (EPA 6010+7000)	TITLE 22 (CAM 17) (EPA 6010+7000)	TCLP (EPA 1311/1310)	STC- CAN- MET (EPA 1311/1310)	REACTIVITY CORROSIVITY IGNITABILITY	TL	
																			STKP E
STKP W	1-29		S	4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
S-1	1-29		S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
S-2	1-29		S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
E-1	1-29		S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
E-2	1-29		S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
N	1-29		S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
W	1-29		S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

RELINQUISHED BY: <i>[Signature]</i> (signature)	RECEIVED BY:  (signature)	RELINQUISHED BY:  (signature)	RECEIVED BY LABORATORY: <i>[Signature]</i> (signature)	COMMENTS:  
STEVE DeBope (printed name)			DAVID DUONG (printed name)	
Company- <u>A.S.E.</u>	Company-	Company-	Company- <u>PEL</u>	

Aqua Science Engineers, Inc.  
 2417 Old Crow Canyon Road, #4,  
 San Ramon, CA 94583  
 (510) 820-9391 - FAX (510) 837-4853

# Chain of Cust

INV # 23342

DATE 1/29/93 PAGE 1

P. 04

SAMPLERS (SIGNATURE) *[Signature]* (PHONE NO.) 820-9391 PROJECT NAME TASCO NO. 260  
 ADDRESS 3430 WOOD ST. OAKLAND

## ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH GASOLINE	TPH GASOLINE/BTEX	TPH DIESEL	PURGABLE AROMATICS	PURGABLE HALOCARBONS	VOLATILE ORGANICS	BASE/NEUTRALS/ACIDS	OIL & GREASE	LEAD METALS (S)	TITLE 22 (CAM 17)	TCLP	SILIC. CM. MET	REACTIVITY	CORROSION	IGNITABILITY	TOTAL LEAD
					(EPA 5030/8015)	(EPA 5030/8015-8020)	(EPA 3510/8015)	(EPA 602/8020)	(EPA 501/8010)	(EPA 621/8240)	(EPA 625/8270)	(EPA 5520 ESP OF ERF)	(EPA 6010/7000)	(EPA 6010/7000)	(EPA 1311/1310)	(EPA 1311/1310)				
GSB1 (W)	1/28	4pm	S	1		X	X													X
GSB2 (W)						X	X													X
DSB1						X	X													X
DSB2						X	X													X

FAX NO. 4089469663

PRIORITY LABS

MAR-23-93 TUE 16:41

RELINQUISHED BY: <i>[Signature]</i> (signature)	RECEIVED BY: <i>[Signature]</i> (signature)	RELINQUISHED BY: <i>[Signature]</i> (signature)	RECEIVED BY LABORATORY: <i>[Signature]</i> (signature)	COMMENTS:
8:15am (time)			8:15am (time)	
DAVID ALLEN 1/29 (printed name) (date)			DAVID DUONG 1/29 (printed name) (date)	
Company- ASE	Company-	Company-	Company- PEL	

**APPENDIX B**

**HAZARDOUS WASTE MANIFESTS**

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No. **C1A1C10100816100108** Manifest Document No. **6,8,2,2,7** 2. Page 1 of 1 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address **Thomas A. Short Co.**  
**3430 Wood St**  
**Oakland CA 94608**

4. Generator's Phone **(510) 655-0316**

5. Transporter 1 Company Name **Dexanna, Ltd.** 6. US EPA ID Number **CAD982438566**

7. Transporter 2 Company Name \_\_\_\_\_ 8. US EPA ID Number \_\_\_\_\_

9. Designated Facility Name and Site Address **Erickson, Inc.**  
**255 Parr Blvd.**  
**Richmond, CA 94801** 10. US EPA ID Number **CAD009466392**

A. State Manifest Document Number **91688756**

B. State Generator's ID \_\_\_\_\_

C. State Transporter's ID **308783**

D. Transporter's Phone **(510) 687-1292**

E. State Transporter's ID \_\_\_\_\_

F. Transporter's Phone \_\_\_\_\_

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		13. Total Quantity	14. Unit Wt/Vol	15. Waste Number
	No.	Type			
a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid	0.01	T, P	0.1000	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  
**One (1) Empty storage tank # 10536 has been inerted with 15 lbs. of dry ice per 1000 gallons of capacity.**

K. Handling Codes for Wastes Listed Above  
 a. **01** b. \_\_\_\_\_  
 c. \_\_\_\_\_ d. \_\_\_\_\_

15. Special Handling Instructions and Additional Information  
**Keep away from sources of ignition. 24 Hr. Contact: Steve DeHope**  
**Always wear hardhats when working with UST's. Telephone #: (510) 830-7126**

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** Signature *[Signature]* Month **01** Day **12** Year **1993**  
 Agent for Generator

17. Transporter 1 Acknowledgement of Receipt of Materials  
 Printed/Typed Name **L.F. DeKalb** Signature *[Signature]* Month **01** Day **12** Year **1993**

18. Transporter 2 Acknowledgement of Receipt of Materials  
 Printed/Typed Name \_\_\_\_\_ Signature \_\_\_\_\_ Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.  
 Printed/Typed Name **DAVID SATO** Signature *[Signature]* Month **01** Day **12** Year **1993**

DO NOT WRITE BELOW THIS LINE.

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

91688756

800350

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

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No. **C,A,C,0,0,0,8,6,0,0,0,8** Manifest Document No. **6,8,2,3,7** 2. Page 1 of 1  
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address  
**Thomas A. Short Co.  
3430 Wood St. - Oakland, California 94608**

A. State Manifest Document Number **91688766**

4. Generator's Phone **(510) 655-9375**

B. State Generator's ID

5. Transporter 1 Company Name  
**Dexanna, Ltd.**

6. US EPA ID Number  
**C,A,D,9,8,2,4,3,8,5,6,6**

C. State Transporter's ID **308784**

D. Transporter's Phone **(510) 687-1292**

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, California 94801**

10. US EPA ID Number  
**C,A,D,0,0,9,4,6,6,3,9,2**

G. State Facility's ID **9466392**  
**C,A,D,0,0,0,8,6,0,0,8**

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

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	1. Waste Number
	No.	Type			
a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid.	0,0,1	T,P	91100	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. 1 Empty Storage Tank  
**#10537. Tank has been inerted with 15 lbs. Dry Ice per 1000 gals. capacity.**

K. Handling Codes for Wastes Listed Above  
a. 0 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. SITE LOCATION: 3430 Wood Street - Oakland, California  
24 Hr. Contact Name: Steve DeHope & Phone # (510) 830-7126**

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 **Agent For Generator** Signature *[Signature]* Month Day Year  
**STEVE DeHope** **0,1,12,8,19,3**

17. Transporter 1 Acknowledgment of Receipt of Materials  
Printed/Typed Name **James R. Cox** Signature *[Signature]* Month Day Year  
**0,1,12,8,19,3**

18. Transporter 2 Acknowledgment of Receipt of Materials  
Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.  
Printed/Typed Name **DAVID SATO** Signature *[Signature]* Month Day Year  
**0,1,12,8,19,3**

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY ONLY, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8302. WITHIN CALIFORNIA, CALL 1-800-852-7550

**APPENDIX C**

**PERMITS**



**HAZARDOUS MATERIALS DIVISION**

**80 SWAN WAY, ROOM 200**

**OAKLAND, CA 94621**

**PHONE NO. 510/271-4320**

**ACCEPTED**

**Underground Storage Tank Closure Permit Application**

**Alameda County Division of Hazardous Materials**

**80 Swan Way, Suite 200,**

**Oakland, CA 94621**

**Telephone: (510) 271-4320**

These closure/removal plans have been reviewed and found to be acceptable and hereby meet the requirements of State and Federal Regulations. Changes to your closure plans indicated by the Department are on the 27th page of this State and local permit. It is the responsibility of the permittee to obtain the necessary permits for construction/demolition.

One copy of the approved plan must be submitted to the local authority having jurisdiction and available to the local authority and the permittee at all times during the removal. Any alteration or change of these plans and specifications must be submitted to the Department and the local authority and Building Department for approval. If such changes meet the requirements of State and local laws.

Notify this Department a least 72 hours prior to the following required inspections:

Removal of Tank(s) and Piping

Sampling

Final Inspection

Issuance of a) permit to operate, b) permanent site closure, is dependant on compliance with accepted plans and all applicable laws and regulations.

**\*THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS**

Contact Specialist:

1) SAMPLER REQUIRED UNDER DISPENSER.  
2) STOCKPILE IF CONTAMINATED WILL BE HAULED OPERATED  
d  
W  
g

**UNDERGROUND TANK CLOSURE PLAN**

**\* \* \* Complete according to attached instructions \* \* \***

- Business Name Thomas A Short Company (TASCO)  
Business Owner Thomas Le Flemme
  - Site Address 3430 Wood Street  
City Oakland Zip 94607 Phone (510) 655-9315
  - Mailing Address 3430 Wood Street  
City Oakland Zip 94607 Phone (510) 655-9375
  - Land Owner Thomas Le Flemme  
Address 3430 Wood Street City, State Oakland, CA Zip 94607
  - Generator name under which tank will be manifested Thomas Le Flemme,  
The Thomas A. Short Co.
- EPA I.D. No. under which tank will be manifested CAC000860008

RECEIVED

JAN 28 1993

AQUA SCIENCE ENG.

Excavation Permit Granted \_\_\_\_\_ No. \_\_\_\_\_

# CITY OF OAKLAND

Tank Permit

Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks. No. 9652

Oakland, California, January 27, 1993

PERMISSION IS HEREBY GRANTED TO ~~XXXX~~ remove ~~XXXX~~ Gasoline tank and excavate commencing \_\_\_\_\_ feet inside Property line

on the \_\_\_\_\_ side of \_\_\_\_\_ Street Avenue \_\_\_\_\_ feet \_\_\_\_\_ of \_\_\_\_\_ Street Avenue

House No. 3430 Wood Street \_\_\_\_\_ Street Avenue Present Storage \_\_\_\_\_

Owner Thomas A. LeFlemme \_\_\_\_\_ Address 3430 Wood Street \_\_\_\_\_ Phone 655-9375

Applicant Aqua Science Engineers \_\_\_\_\_ Address 2411 Old Crow Canyon Rd. #4 San Ramon 94583 \_\_\_\_\_ Phone 820-9391

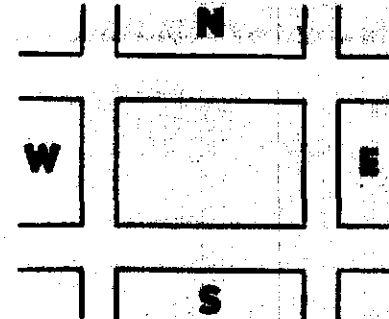
Dimensions of street (sidewalk) surface to be disturbed \_\_\_\_\_ X \_\_\_\_\_ Number of Tanks 1 Capacity 1,000 Gallon, each 4,000

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. 6-2.64

\_\_\_\_\_ 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 . . . . . \$ 120.00 ck#015334 rec#678310

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.**

# 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: Aqua Science Engineers, Inc.  
 Address: 2411 Old Crow Canyon Rd. #4  
San Ramon, CA 94583  
 Phone: 510-820-9391

Project Safety Contact: DAVE ALLEN  
 Employer's Representative: STEVE DEHOPE  
 Title & Phone No.: SUPERVISOR 510-820-7321  
 Employer's State Contractor's License No. 487000

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  
 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  
 Job Start Notification Only  
 Provisional Permit [PLAN CHECK ONLY]

For:  
 Construction of:  Building  Structure  
 Demolition of:  Building  Structure  
 Scaffolding and/or Falsework and/or Vertical Shoring  
 Tower Crane Erection  
 Trench and/or Excavation

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.)

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 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.

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.

Issuance of the permit is also conditional upon the following:

- 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.
- The applicant has implemented a written accident prevention program and Code of Safe Practices which meet the requirements of 8 California Administrative Code, 1509.
- The Division will be notified of significant changes in information provided with this application if such changes might affect the safety of the activity.

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

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

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

In whose name \_\_\_\_\_

# Permit Application and Job Notification Form (Continued)

## JOB NOTIFICATION

Specific jobsite location 3430 WOOD STREET Field phone 510-409-3536  
OAKLAND CA 94607 Office phone 510-820-9391  
 Nearest major cross street 28th No. of employees 3  
 City OAKLAND Starting date 1-26-93  
 County ALAMEDA Anticipated completion date 2-5-93  
 Name and title of jobsite supervisor STEUER DE HOPE High Voltage Lines in Proximity: No  Yes   
CONSTRUCTION SUPERVISOR

## 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 8' Width 12' Length 20' Utilities? [Y/N]

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

Name of Competent Person(s): \_\_\_\_\_

Protective System: Shoring  Sloping  Trench Shield  Alternate

Job Description: UNDERGROUND STORAGE TANK REMOVAL

[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: David Allen

Title: Project Manager

Date: 1/18/93

*Steve*



# BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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

*1/18/93*

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

### NOTIFICATION FORM

- Removal or Replacement of Tanks
- Excavation of Contaminated Soil

### SITE INFORMATION

SITE ADDRESS 3430 WOOD STREET  
 CITY, STATE OAKLAND CA ZIP 94607  
 OWNER NAME Thomas D. LaFlamme  
 SPECIFIC LOCATION OF PROJECT 3430 WOOD STREET

<b>TANK REMOVAL</b>	<b>CONTAMINATED SOIL EXCAVATION</b>
SCHEDULED STARTUP DATE <u>1-27-93</u>	SCHEDULED STARTUP DATE <u>1-28-93</u>
VAPORS REMOVED BY: <input checked="" type="checkbox"/> WATER WASH <input checked="" type="checkbox"/> VAPOR FREEING (CO <sup>2</sup> ) <input type="checkbox"/> VENTILATION	STOCKPILES WILL BE COVERED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> ALTERNATIVE METHOD OF AERATION (DESCRIBED BELOW) <u>None</u>

(MAY REQUIRE PERMIT) **RECEIVED**  
 JAN 27 1993  
 AQUA SCIENCE ENG

### CONTRACTOR INFORMATION

NAME Aqua Science Engineers, Inc. CONTACT Steve De Hope  
 ADDRESS 2411 Old Crow Canyon Road, #4 PHONE (510) 820-9391  
 CITY, STATE, ZIP San Ramon, CA 94583

### CONSULTANT INFORMATION (IF APPLICABLE)

NAME \_\_\_\_\_ CONTACT \_\_\_\_\_  
 ADDRESS \_\_\_\_\_ PHONE ( ) \_\_\_\_\_  
 CITY, STATE, ZIP \_\_\_\_\_

### FOR OFFICE USE ONLY

DATE RECEIVED FAX 1/18/93 BY Blg  
 (init.)  
 DATE POSTMARKED \_\_\_\_\_ BY \_\_\_\_\_  
 (init.)  
 CC: INSPECTOR NO. 524 DATE 1/22/93 BY Blg  
 (init.)  
 UPDATE: CONTACT NAME \_\_\_\_\_ DATE \_\_\_\_\_ BY \_\_\_\_\_  
 (init.)  
 BAAQMD N # \_\_\_\_\_ DATA ENTRY 1/22/93

**APPENDIX D**

**TANK RECYCLING CERTIFICATES**

DAY OR NIGHT  
TELEPHONE  
(510) 235-1393

# CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 15402

CUSTOMER DEXANNA
JOB NO. 80630

FOR: Erickson, Inc. TANK NO. 10536 ✓

LOCATION: Richmond DATE: 01/29/93 TIME: 11:02:04

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT D

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

TANK SIZE 1000 Gallon Tank CONDITION SAFE FOR FIRE

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

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

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

## STANDARD SAFETY DESIGNATION

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

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

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

K. A. [Signature]  
REPRESENTATIVE

[Signature]  
INSPECTOR

TITLE

INSPECTOR

DAY OR NIGHT  
TELEPHONE  
(510) 235-1393

# CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard, Richmond, California 94801

NO. 15403

CUSTOMER  
DEXANNA

JOB NO. 80630

FOR: Erickson, Inc. TANK NO. 10537 ✓

LOCATION: Richmond DATE: 01/29/93 TIME: 11:02:04

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT LG

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

TANK SIZE 4000 Gallon Tank CONDITION SAFE FOR FIRE

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

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

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

## STANDARD SAFETY DESIGNATION

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

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

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

REPRESENTATIVE

TITLE

INSPECTOR