



Technology, Engineering & Construction, Inc.

35 South Linden Avenue • Alameda • South San Francisco, CA 94080-6407

Tel: (650) 952-5551 • Fax: (650) 952-7631 • Contractor's Lic. #762034

99 DEC 29 PM 3: 36

December 21, 1999

Mr. Larry Seto
Hazardous Materials Specialist
Alameda County Health Agency
Division of Environmental Protection
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Seto

SUBJECT: REMOVAL OF TWO UNDERGROUND STORAGE TANKS

SITE: 2411 WEBB AVENUE, ALAMEDA, CALIFORNIA, 94501

Dear Mr. Seto:

Accutite is pleased to submit this underground storage tank (UST) removal report for Mr. David Lau regarding the property located at 2411 Webb Ave. in Alameda, California. On December 9, 1999, one 500-gallon gasoline UST and one 500-gallon heating oil UST were removed from the site and transported to Ecology Control Industries in Richmond, California for disposal.

Thank you for your cooperation and assistance on this project. If you have any questions, please call me at (650) 952-5551, Ext. 205.

Sincerely,
TEC Accutite

Walter Cuculic
Project Engineer

cc: Mr. David Lau
Transglobal Equipment
1932 Mason Street
San Francisco, CA 94133

**REMOVAL OF ONE 500-GALLON GASOLINE UST
AND ONE 500-GALLON HEATING OIL UST**

AT

**2411 WEBB AVE.
ALAMEDA, CA 94501**

PREPARED FOR:

MR. DAVID LAU

AND

**ALAMEDA COUNTY HEALTH AGENCY
DIVISION OF ENVIRONMENTAL PROTECTION**

DECEMBER 21, 1999

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FIGURE

LOCATIONS OF THE UNDERGROUND STORAGE TANKS AND SOIL SAMPLES

APPENDICES

- A PERMIT
- B HAZARDOUS WASTE MANIFEST
- C LABORATORY RESULTS



1.0 INTRODUCTION

TEC Accutite (Accutite) was contracted by Mr. David Lau to remove and dispose of one 500-gallon gasoline underground storage tank (UST) and one 500-gallon heating oil UST from 2411 Webb Avenue in Alameda, California. Presented below are the methods and procedures used for the removal and disposal of the USTs.

2.0 PERMITTING

Prior to removing the USTs, Accutite obtained a tank removal permit from the City of Alameda Fire Department (CAFD). A copy of the permit is provided in **Appendix A**. Accutite also notified the Bay Area Air Quality Management District and Underground Service Alert.

3.0 TANK REMOVAL ACTIVITIES

On December 9, 1999, Accutite removed two gasoline USTs from the site. The USTs were emptied prior to tank removal activities. Accutite excavated and uncovered the USTs, and inerted the interior by using CO₂ dry ice. The Lower Explosion Limit (LEL) and oxygen content were monitored by a Gas-Tech meter. After obtaining approval from the CAFD, the USTs were removed and transported under a manifest to Ecology Control Industries in Richmond, California. A copy of the manifest is provided in **Appendix B**. Mr. Steve McKinley of the CAFD and Mr. Scott Seery of the Alameda County Health Agency (ACHA) witnessed the tank removal activities. Mr. McKinley, Mr. Seery and Accutite inspected the USTs and the excavation area. Several holes were noted in both tanks during the tank inspection. Evidence of soil contamination (stained soil and odor of petroleum hydrocarbons) was observed in the excavation at approximately 6 feet below ground surface (bgs). The total depth of the excavation was at approximately 6 feet bgs. No groundwater was encountered during tank removal activities. After the USTs were removed, one soil sample was collected from beneath each UST, and one four-point composite soil sample was collected from the soil stockpile. The excavation was then backfilled with the soil generated by uncovering the USTs. The stockpiled soil was used as backfill due to the lack of room to store the soil onsite and to reduce the risk of an open excavation in a commercial sidewalk.

4.0 SOIL SAMPLING

On December 9, 1999, after removing the tanks, Accutite collected three soil samples (see **Table 1** below and the attached **Figure 1**). One soil sample was collected from beneath each of the former USTs at approximately 8 feet bgs and one four-point composite soil sample was collected from the soil stockpile

Soil samples were collected by driving clean brass tubes into the soil. Samples were completely filled with soil to avoid headspace and loss of volatile compounds. Samples were covered with Teflon liners, capped, taped, labeled, put on ice (approximately 4^o C) and transported, within 24 hours and under a chain of custody, to North State Environmental (a California certified laboratory).

5.0 ANALYTICAL FINDINGS

Soil samples were analyzed using the following Environmental Protection Agency Methods:

- ◆ EPA Method 8015M for Total Petroleum Hydrocarbons as gasoline (TPHg);
- ◆ EPA Method 8015M for Total Petroleum Hydrocarbons as diesel (TPHd);
- ◆ EPA Method 8020 for Benzene, Toluene, Ethyl benzene, and Xylenes (BTEX);
- ◆ EPA Method 8020 for Methyl *Tertiary*-butyl ether (MTBE); and
- ◆ EPA Method 8260 for MTBE.

The analytical results for the soil samples are summarized in **Table 1** below. The laboratory report is included in **Appendix C**.

Sample ID	Date Sampled	TPHd ppm*	TPHg ppm*	Benzene ppm	Toluene ppm	Ethyl Benzene ppm	Xylenes Ppm	MTBE ppm
SP-1,2,3,4	12/9/99	56	1.8	<0.005	<0.005	<0.005	0.017	<0.005
CS-1@8.0	12/9/99	8,300	450	<0.125	0.56	0.75	4.6	<0.125
CS-2@8.0	12/9/99	5,300	300	<0.125	0.76	0.60	2.2	<0.0.1**
Detection Limit		1.0	1.0	0.005	0.005	0.005	0.005	0.010

* ppm = (parts per million)

** Confirmed by EPA Method 8260

6.0 CONCLUSIONS AND RECOMMENDATIONS

- ◆ Soil samples CS-1@8.0, CS-2@8.0, and SP-1,2,3,4 collected beneath the former USTs and from the soil stockpile were below detection limits for benzene and MTBE. The highest TPHd and TPHg concentrations detected in soil were 8,300 ppm TPHd and 450 ppm TPHg in sample CS-1 at 8 feet bgs. On December 15, 1999, Mr. Scott Seery of the ACHA informed Accutite that the former tank excavation could be backfilled to surface and repave because the county did not require soil excavation at this time.
- ◆ Accutite recommends advancing 4 to 5 soil borings in and around the former USTs and collecting soil and groundwater samples to determine the extent of the soil and groundwater contamination.

7.0 LIMITATIONS

Our services consist of professional opinions; conclusions and recommendations made today in accordance with generally accepted engineering principles and practices. This warranty is in lieu of all other warranties either expressed or implied. Accutite's liability is limited to the dollar amount of the work performed.

Thank you for your cooperation with this project. If you have any questions, please call at (650) 952-5551, Ext. 205.

Sincerely,
TEC Accutite



Walter Cuculic
Project Engineer

Reviewed by:



Sami Maleab, P.E., R.E.A.
Project Manager

cc: Mr. David Lau, Transglobal Equipment, 1932 Mason Street, San Francisco, CA 94133

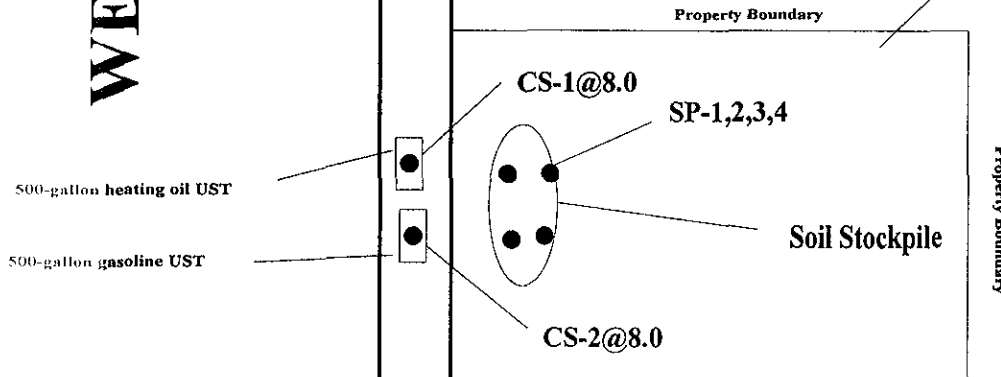
FIGURE



Park Street

WEBB AVENUE

2411 Webb Avenue
Alameda, CA 94501



TEC ACCUTITE

TITLE:

SITE MAP

one inch = 20 feet

FIGURE 1

KEY

● - Soil sample location

UST = Underground
Storage Tank

35 SOUTH LINDEN AVENUE
SOUTH SAN FRANCISCO, CA 94080



SITE:

**2411 Webb Avenue
Alameda, CA 94501**

DRAWN BY: WC

DATE: 12/21/99

REVISED:

APPENDIX A
PERMIT



2263 Santa Clara Ave
Alameda, CA 94501

CITY OF ALAMEDA

Building Division

(510) 748-4530

Fax (510) 748-4548

Printed: 11-24-1999

Fire Department

Permit #

F99-0061

Applicant

ACCUTITE ENVIRONMENTAL
35 SOUTH LINDEN AVENUE
SOUTH SAN FRANCISCO CA
94080
415 952 5551

Contractor Information

ACCUTITE ENVIRONMENTAL
35 SOUTH LINDEN AVENUE
SOUTH SAN FRANCISCO CA
94080

Owner Information

LAU DAVID ETAL
LINDA LEE
2200 LAKE RD
BELMONT CA
94002

Project Information

FIRE - Fire Department - **APPROVED**
Sub-Type:

Applied: 11/17/1999
Finaled:

Issued: 11/24/1999
Expires: 11/23/2000
Valuation: \$6,000.00

Job Address: 2411 WEBB AVE
Suite / Unit:

Parcel Number: 070 019001900

Work Description: UNDERGROUND TANK REMOVAL (2)

INSPECTIONS

Building: 748-4564 (8:00-10:00 a.m.)
Plumbing & Mechanical: 748-4563 (8:00-10:00 a.m.)

Electrical: 748-4634 (8:00-10:00a.m.)
Fire: 749-5885
Design Review: 748-4554

Total Fees: \$525.00
Total Payments: \$525.00
BALANCE DUE \$0.00

Payments Made:
Total Payment: **\$0.00**

RECEIPT

Payee:

Receipt #:

Current Payment Made to the Following Items:

Payments Made for this Receipt:

Type	Method	Description	Amount
-----	-----	-----	-----

Account Summary for Fees and Payments:

Item#	Description	Account Code	Tot Fee	Paid	Prev. Pmts	Cur. Pmts
250	Permit Filing Fees	4520-37450 (1050)	20.00	20.00	20.00	.00
530	Fire Department Fees	98512-37260 (6200)	450.00	450.00	450.00	.00
620	Microfiche / Scanning	99409-37900 (1464)	55.00	55.00	55.00	.00

Payments Made to the Following Permits:

APPENDIX B
HAZARDOUS WASTE MANIFEST



520096

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA1C10101132119776** Manifest Document No. **542114** 2. Page **1** of **1**

Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address **DAVID LAU**
1932 MASON STREET
SAN FRANCISCO CA 94133

A. State Manifest Document Number **99554214**

4. Generator's Phone **(415) 956-2942**

5. Transporter 1 Company Name **Ecology Control Industries** 6. US EPA ID Number **CA1D9820301713**

7. Transporter 2 Company Name _____ 8. US EPA ID Number _____

9. Designated Facility Name and Site Address **ECOLOGY CONTROL INDUSTRIES**
255 FARR BLVD
RICHMOND CA 94801 10. US EPA ID Number **CA1D009465392**

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol				
			No.	Type		
a. WASTE EMPTY STORAGE TANK AND ASSOCIATED NON RCRA HAZARDOUS WASTE SOLID Piping	2	TP	0	0	0	P
b.						
c.						
d.						

15. Special Handling Instructions and Additional Information **ECI Job # 5210096**
Wear proper protective equipment while handling. Weights or volumes are approximate.
24 Hour emergency telephone number: (415) 956-2942
24 Hour emergency contact: DAVID LAU
DOT ERG# 171

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 **DAVID LAU** Signature *David Lau* Month **12** Day **09** Year **99**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name **CHRIS WISE** Signature *Chris Wise* Month **12** Day **09** Year **99**

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 16-19
 Printed/Typed Name **DAVID SATO** Signature *DAVE SATO* Month **12** Day **10** Year **99**

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

APPENDIX C
LABORATORY RESULTS





North State Environmental Laboratory

CA ELAP#1753

90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

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

Lab Number: 99-1908
 Client: Technology Eng. Const.
 Project: 3142/2411 Webb Street, Alameda

Date Reported: 12/14/99

Gasoline, BTEX and MTBE by Methods 8015M and 8020
 Diesel Range Hydrocarbons as Heating Oil by Method 8015 M

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 99-1908-01		Client ID: SP-1,2,3,4		12/09/99	SOIL COMP
Gasoline	8015M	1.8	mg/Kg		12/13/99
Benzene	8020	ND			
Ethylbenzene	8020	ND			
MTBE	8020	ND			
Toluene	8020	ND			
Xylenes	8020	0.017	mg/Kg		
Diesel	8015M	56	mg/Kg		12/13/99
Sample: 99-1908-02		Client ID: CS-108.0		12/09/99	SOIL
Gasoline	8015M	450	mg/Kg		12/13/99
Benzene	8020	ND<0.125	mg/Kg		
Ethylbenzene	8020	0.75	mg/Kg		
MTBE	8020	ND<0.125	mg/Kg		
Toluene	8020	0.56	mg/Kg		
Xylenes	8020	4.6	mg/Kg		
Diesel	8015M	8300	mg/Kg		12/13/99
Sample: 99-1908-03		Client ID: CS-208.0		12/09/99	SOIL
Gasoline	8015M	300	mg/Kg		12/13/99
Benzene	8020	ND<0.125	mg/Kg		
Ethylbenzene	8020	0.60	mg/Kg		
MTBE	8020	*ND<0.01	mg/Kg		

*Confirmed by GC/MS method 8260.



North State Environmental Laboratory

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CA ELAP# 1753

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

Lab Number: 99-1908
Client: Technology Eng. Const.
Project: 3142/2411 Webb Street, Alameda

Date Reported: 12/14/99

Gasoline, BTEX and MTBE by Methods 8015M and 8020
Diesel Range Hydrocarbons as Heating Oil by Method 8015 M

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 99-1908-03	Client ID: CS-2@8.0			12/09/99	SOIL
Toluene	8020	0.76	mg/Kg		
Xylenes	8020	2.2	mg/Kg		
Diesel	8015M	5300	mg/Kg		12/13/99

*Confirmed by GC/MS method 8260.



North State Environmental Laboratory

CA ELAP# 1753

90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

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

Quality Control/Quality Assurance

Lab Number: 99-1908
 Client: Technology Eng. Const.
 Project: 3142/2411 Webb Street, Alameda

Date Reported: 12/14/99

Gasoline, BTEX and MTBE by Methods 8015M and 8020
 Diesel Range Hydrocarbons as Heating Oil by Method 8015 M

Analyte	Method	Reporting Limit	Unit	Blank	Avg MS/MSD Recovery	RPD
Diesel	8015M	1.0	mg/Kg	ND	92	0
Gasoline	8015M	0.5	mg/Kg	ND	98	0
Benzene	8020	.005	mg/Kg	ND	87	0
Ethylbenzene	8020	.005	mg/Kg	ND	102	0
Toluene	8020	.005	mg/Kg	ND	98	2
Xylenes	8020	.010	mg/Kg	ND	109	1
MTBE	8020	.005	mg/Kg	ND	73	5

ELAP Certificate NO 1753

Reviewed and Approved

John A. Murphy, Laboratory Director

Chain of Custody Accutite Environmental Engineering

99-1908

Client: Accutite Environmental Engineering		Report To: <i>Walter Cuatrecasas</i>		Turnaround							
Address: 35 South Linden Avenue South San Francisco, CA 94080		Bill To: Accutite		ASAP	1 Day	2 Day	<u>3 Day</u>				
Phone: 650-952-5551		Billing Reference#: 3147		1 Week	2 Week	Others					
Project Name/Address: <i>2411 Webb Street / Alameda</i>		Analysis Required									
Sampler: <i>Walter Cuatrecasas</i>		Date: <i>12/9/99</i>									
Sample ID	Sample Matrix	# of Containers	Container Type	Sample Date/Time	TPH _{90.5}	BTEX _{90.2}	MTBE _{90.2}	THO _{90.2}	as Heptane	Remarks	
SP-1	Soil	1	Brass	12/09/99 2:00	X	X	X	X		Composite into one sample	
SP-2			tube	2:00	X	X	X	X			
SP-3				2:00	X	X	X	X			
SP-4				2:00	X	X	X	X			
CS-1080				2:30							
CS-2080				2:45	X	X	X	X			
				2:45	X	X	X	X			
Relinquished by: <i>Walter Cuatrecasas</i>		Date: <i>12/9/99</i>	Time: <i>4:35</i>	Received by: <i>[Signature]</i>		Date: <i>12/9/99</i>	Time: <i>4:35pm</i>				
Relinquished by:		Date:	Time:	Received by:		Date:	Time:				
Relinquished by:		Date:	Time:	Received by:		Date:	Time:				