

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION (LOP)  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

March 2, 1999

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. William Billings  
C/o Sequoia Stages Inc.  
P.O. Box 77121  
San Francisco, CA 94107  
STID 1450

Re: Eastshore Lines, 2400 Adeline Steet, Oakland, CA 94607

Dear Mr. Billings:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung

Director of Environmental Health Services

c: Chief, Hazardous Materials Division - files  
Larry Seto, ACDEH  
Chuck Headlee, RWQCB  
Dave Deaner, SWRCB (w/ Case Closure Summary)

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Alameda, CA 94502-6577  
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FAX (510) 337-9335

Re: Eastshore Lines, 2400 Adeline Street, Oakland, CA 94607

Dear Mr. Billings:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Protection Division is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

**SITE INVESTIGATION AND CLEANUP SUMMARY**

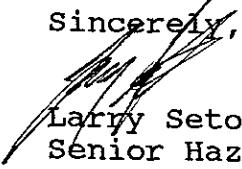
Please be advised that the following conditions exist at the site:

The most recent groundwater sample collected on August 9, 1995 contained 230 ppb TPH(gas), 7,800 ppb TPH(diesel), 3.4 ppb benzene, 0.75 ppb toluene, 0.79 ppb ethylbenzene and 1.3 ppb xylenes.

If land use changes, corrective action should be reviewed.

If you have any questions, please contact me at (510)567-6774.  
Thank you.

Sincerely,

  
Larry Seto  
Senior Hazardous Materials Specialist

Enclosures:

1. Case Closure Letter
2. Case Closure Summary

**CASE CLOSURE SUMMARY**  
**Leaking Underground Fuel Storage Tank Program**

**I. AGENCY INFORMATION**

Agency name: **Alameda County-HazMat**  
 City/State/Zip: **Alameda, CA 94502**  
 Responsible staff person: **Larry Seto**

Date: **January 21, 1999**

Address: **1131 Harbor Bay Parkway**  
 Phone: **(510) 567-6774**  
 Title: **Senior HMS**

CALIFORNIA REGIONAL WATER  
 FEB 11 1999  
 QUALITY CONTROL BOARD

**II. CASE INFORMATION**

Site facility name: **Eastshore Lines, Inc.**

Site facility address: **2400 Adeline Street, Oakland, CA 94607**

RB LUSTIS Case No: \_\_\_\_\_ Local Case No./LOP **1450**

URF filing date: **12-29-95** SWEEPS No: **N/A**

**Responsible Parties:**

**Addresses:**

**Phone Numbers:**

William Billings  
 C/o Sequoia Stages, Inc.

P.O. Box 77121  
 San Francisco, CA 94107

510-763-1242

<u>Tank No</u>	<u>Size in Gallons</u>	<u>Contents:</u>	<u>Closed in-place or Removed?</u>	<u>Date:</u>
1	8,000	Diesel	Removed	6-14-94
2	10,000	Gasoline	Removed	6-14-94

## Leaking Underground Fuel Storage Tank Program

### III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Most likely from a spill or equipment failure

Monitoring Wells installed? No Number: NA

Site characterization complete? Yes

Date approved by oversight agency:

Proper screened interval? NA

Highest GW depth below ground surface: groundwater was encountered at ~ 15' bgs in soil borings advanced in the vicinity of the former underground tanks

Lowest depth:

Flow direction: Regional flow direction to Northwest

Most sensitive current use: Commercial

Are drinking water wells affected? No Aquifer Name:

Is surface water affected? No Nearest affected SW name: NA

Off-site beneficial use impacts (addresses/locations): None

Report(s) on file? Yes Where is report(s) filed? **Alameda County  
1131 Harbor Bay Pkwy.  
Alameda, CA 94502**

## Leaking Underground Fuel Storage Tank Program

### Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment or Disposal /destination)</u>	<u>Date</u>
Underground tank	10,000 gallons	A & C Recycling, Fontana, CA	6-15-94
Underground tank	8,000 gallons	A & C Recycling, Fontana, CA	6-15-94
Residual Fuel Product	650 gallons	Gibson Oil Bakersfield, CA	6-16-94
Impacted soil	178 tons	Forward Inc. Landfill Manteca, CA	11-13-96

### III. RELEASE AND SITE CHARACTERIZATION INFORMATION

#### Maximum Documented Contaminant Concentrations - - Before and After Cleanup

<b>Contaminant</b>	<b>Soil (ppm)</b>		<b>Water (ppb)</b>	
	<u>Before<sup>1</sup></u>	<u>After<sup>3</sup></u>	<u>Before<sup>2</sup></u>	<u>After<sup>4</sup></u>
TPH (gas)	ND	ND	5,500	230
TPH (diesel)	ND	ND	ND	7,800
Benzene	ND	ND	11	3.4
Toluene	ND	ND	5.1	0.75
Ethylbenzene	ND	ND	4.3	0.79
Xylenes	ND	ND	18	1.3
Oil & Grease	ND	ND	7,500	NA

1 – Sample collected during UGT removal on 6-14-94

2 – “Grab” groundwater sample collected from the diesel pit on 6-14-94

3 – Sample SB-B-15.0 collected on 8-9-95

4 – “Grab” groundwater sample collected from boring SB-F, except toluene which is from boring SB-D, collected on 8-9-95

ND – Non-detect

**Leaking Underground Fuel Storage Tank Program**

**Comments (Depth of Remediation, etc.):** See "Additional Comments" section.

**IV. CLOSURE**

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan?

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan?

Does corrective action protect public health for current land use? Yes

Site management requirements: None

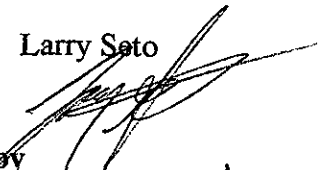
Should corrective action be reviewed if land use changes? Yes

List enforcement actions taken: None

List enforcement actions rescinded: None

**V. LOCAL AGENCY REPRESENTATIVE DATA**

Name: Larry Sato

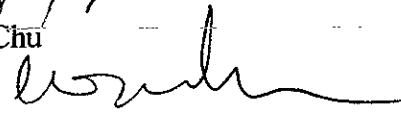
Signature: 

Title: Senior HMS

Date: 2/5/99

Reviewed by

Name: Eva Chu

Signature: 

Title: Hazardous Materials Specialist

Date: 1/21/99

Name: Thomas Peacock

Signature: 

Title: Supervising HMS

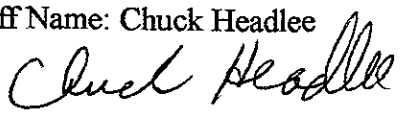
Date: 2-4-99

**VI. RWQCB NOTIFICATION**

Date Submitted to RB:

RB Response:

RWQCB Staff Name: Chuck Headlee

Signature: 

Title: Engineering Geologist

Date: 2/11/99

## Leaking Underground Fuel Storage Tank Program

### VII. ADDITIONAL COMMENTS, DATA, ETC.

The site is located on the southwestern corner of the intersection of Adeline Street and 24<sup>th</sup> Street in Oakland. It currently serves as a bus terminal and maintenance facility of Eastshore lines, a private charter bus company. Eastshore Lines maintains a fleet of approximately 30 vehicles.

On June 14, 1994, a 10,000 gallon gasoline, and a 8,000 gallon diesel underground storage tank were removed. Approximately 600 gallons of products was pumped out of the tanks and transported to a licensed facility for proper disposal. Soil samples T1-E and T1-W were collected from beneath the east and west ends of the tank T1 (diesel). Soil samples T2-N and T2-S were collected from beneath the north and south ends of tank T2 (gasoline). Results of soil analyses for samples collected from beneath tank T1 (diesel) indicated no detectable concentrations of TPH(d), BTEX or Oil and Grease. Results from soil analyses for samples collected from beneath tank T2 (gasoline) indicated no detectable concentration of TPH(g) or BTEX. (See Table 1)

“Grab” groundwater samples were collected from the diesel pit on June 14<sup>th</sup> and June 24, 1994. Results of the water analyses of the grab samples indicated no detectable TPH(d); TPH(g) concentrations ranging from 3,900 to 5,500 ppb; benzene concentrations ranging from 5.5 to 11 ppb and 7.5 ppm Oil and Grease. (See Table 1)

On August 9, 1995, seven soil borings were advanced in the location of the two former underground storage tanks to determine whether the fuel release had impacted groundwater beneath the site. All borings were drilled to a depth of 15 to 20 feet and encountered silty sand, clayey silt, silty clay and clay layers. Grab groundwater samples were obtained from the open boreholes when the boring had been advanced to a depth of approximately 15 feet in all borings except SB-B. No water sample was collected from SB-B because no groundwater accumulated in the boring during the time it was left open.

TPH(d) was detected in “grab” groundwater samples from five of the seven borings. The groundwater analytical results for hydrocarbons were highest in borings SB-F and SB-G, adjacent to the former diesel tank. TPH(g), TPH(d) and benzene were detected at 230 ppb, 7,800 ppb, 3.4 ppb respectively in boring SB-F, and 87 ppb, 320 ppb, and 3.3 ppb respectively in boring SB-G. Analytical results for the samples from the remainder of the borings were relatively low. (See Table 2)

The fuel release has minimally impacted groundwater quality beneath the site with up to 7,800 ppb TPH(d) and 3.4 ppb benzene. Using ASTM's Tier 1 RBSL Look Up Table, benzene levels detected should pose no significant human health risk from groundwater vapor intrusion to buildings or groundwater volatilization to outdoor air. The concentrations of contaminants will decrease over time with natural biodegradation. Permanent groundwater monitoring wells are not warranted.

The samples were not tested for the presence of MTBE (Methyl Tertiary-Butyl Ether), but the laboratory reviewed the TPH(g)-BTEX chromatogram for the samples. The samples contained less than 40 ppb MTBE.

## **Leaking Underground Fuel Storage Tank Program**

**In summary, this office is recommending that this case be closed for the following reasons:**

- 1) The leak has been stopped and ongoing sources removed
- 2) The site has been adequately characterized
- 3) Little or no groundwater impact currently exist
- 4) No water wells, deeper drinking water aquifers, surface water or other sensitive receptors are likely to be impacted
- 5) The site presents no significant risk to human health



TABLE 1  
RESULTS OF SOIL ANALYSES  
Eastshore Lines  
2400 Adeline Street  
Oakland, California  
(June 14, 1994) ✓

DL was 10 ppm

diesel  
gas

SAMPLE NUMBER	SAMPLE DEPTH*	ppb				TPHg	ppm	
		B	T	E	X		TPHd	OIL AND GREASE
T1-E	15	ND ✓	ND ✓	ND ✓	ND ✓	NA ✓	ND ✓	ND ✓
T1-W	15	ND ✓	ND ✓	ND ✓	ND ✓	NA ✓	ND ✓	ND ✓
T2-N	12	ND ✓	ND ✓	ND ✓	ND ✓	ND ✓	NA ✓	NA ✓
T2-S	12	ND ✓	ND ✓	ND ✓	ND ✓	ND ✓	NA ✓	NA ✓
STP-1	--	7.7 ✓	6.3 ✓	20 ✓	49 ✓	9.0 ✓	NA ✓	NA ✓
STP-2	--	ND ✓	ND ✓	8.1 ✓	50 ✓	2.5 ✓	NA ✓	NA ✓

TPHg, TPHd, and Oil and Grease results in milligrams per kilogram = parts per million

BTEX results in micrograms per kilogram = parts per billion

\* = depth in feet below grade

B=benzene T=toluene E=ethylbenzene X=total xylene isomers

TPHg = total petroleum hydrocarbons as gasoline

TPHd = total petroleum hydrocarbons as diesel

ND = not detected at detection limit indicated on laboratory report

NA = not analyzed

TABLE 2  
RESULTS OF WATER ANALYSES  
Eastshore Lines  
2400 Adeline Street  
Oakland, California

ppb

ppm

EIA

RP

SAMPLE NUMBER	DATE SAMPLED	ppb				TPHg	TPHd	OIL AND GREASE
		B	T	E	X			
T-1 Diesel	6/14/94 ✓	11 ✓	5.1 ✓	3.8 ✓	14 ✓	NA ✓	ND ✓	7.5 ✓ 5520C+F
T-1 I	6/14/94 ✓	3.6 ✓	3.2 ✓	3.2 ✓	12 ✓	5,500 ✓	NA ✓	NA
T-1 II	6/14/94 ✓	11 ✓	4.6 ✓	4.3 ✓	18 ✓	3,900 ✓	NA ✓	NA
A6-24-94	6/24/94 ✓	5.5 ✓	ND ✓	ND ✓	ND ✓	ND ✓	NA ✓	ND ✓ 5520BF

Results in micrograms per liter = parts per billion

B=benzene T=toluene E=ethylbenzene X=total xylene isomers

TPHg = total petroleum hydrocarbons as gasoline

TPHd = total petroleum hydrocarbons as diesel

ND = not detected at detection limit indicated on laboratory report

NA = not analyzed

8-9-95

Table 2 Grab Ground Water and Soil Sample Analytic Data - Eastshore Lines - 2400 Adeline Street, Oakland, CA

Boring ID/Depth	Date Sampled	Matrix Sampled	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes
					Concentrations in ppm ppb			
SB-B-15.0	8/9/95	Soil	ND /	ND /	ND /	ND /	ND /	ND /
SB-A	8/9/95	GW	* ND /	* ND /	ND /	ND /	ND /	ND /
SB-C	8/9/95	GW	* ND /	* 160 /	0.53 /	0.65 /	ND /	ND /
SB-D	8/9/95	GW	* ND /	* 59 /	ND /	0.75 /	ND /	ND /
SB-E	8/9/95	GW	* ND /	* 170 /	ND /	ND /	ND /	ND /
SB-F	8/9/95	GW	* 230 /	* 7,800 /	3.40 /	0.52 /	0.79 /	1.3 /
SB-G	8/9/95	GW	* 87 /	* 320 /	3.30 /	ND /	ND /	ND /

Abbreviations:

TPHg = Total petroleum hydrocarbon as gasoline by modified EPA method 8015.

TPHd = Total petroleum hydrocarbon as diesel by modified EPA method 8015.

Benzene, ethylbenzene, toluene, xylenes by EPA method 8020.

ND = Not Detected.

Notes:

Detection limits for TPHd in water samples are 50 ppb.

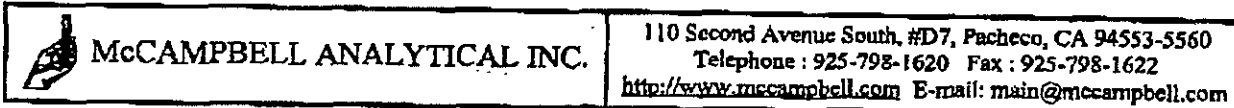
Detection limits for TPHg, BTEX in water samples are 0.5 ppb.

Detection limits for TPHd in soil samples are 1000 ppb.

Detection limits for TPHg, BTEX in soil samples are 5.0 ppb.

SB-B is a soil sample taken at 15.0 ft depth below ground surface.

\* sample contains  
 > ~5% vol % sediment  
 water results in ppb  
 soil " ppm



Cambria Environmental Technology 1144 65 <sup>th</sup> Street, Suite C Oakland, CA 94608	Client Project ID: #61-212; Billing's	Date Sampled: 08/09/95
	Client Contact: Joe Theisen	Date Received: 08/10/95
	Client P.O:	Date Extracted: 08/10/95
	Date Analyzed: 08/11-08/12/95	

01/26/99

Dear Joe Theisen / Larry Seto:

Larry Seto with Alameda County DHS requested that our TPH(g)-BTEX chromatograms for Billing's Chevrolet, sampled by Cambria on 08/09/95, be examined for the presence of MTBE. This note reports that this has been done and that MTBE was not present above 40 ug/L (ppb). This elevated limit is used because:

- 1) that instrument was not formally calibrated for MTBE, and
- 2) small amounts of a compound at the MTBE retention time were present but the PID : FID area ratios were not diagnostic of MTBE.

If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost.

Yours truly,

Edward Hamilton, Lab Director

24th STREET



SHOP

OFFICE

SB-F

SB-G

Former 8,000-Gallon Diesel UST

SB-D

SB-E

SB-B

SB-A

Former 10,000-Gallon Gasoline UST

SB-C

ADELINE STREET

PARKING AREA

Figure Not To Scale



**CAMBRIA**  
Environmental Technology, Inc.



Soil Boring Location

D:\PROJECT\MISC\BILLINGS\BOR-LOC

Water and Soil Sample Locations

2400 Adeline Street  
Oakland, California

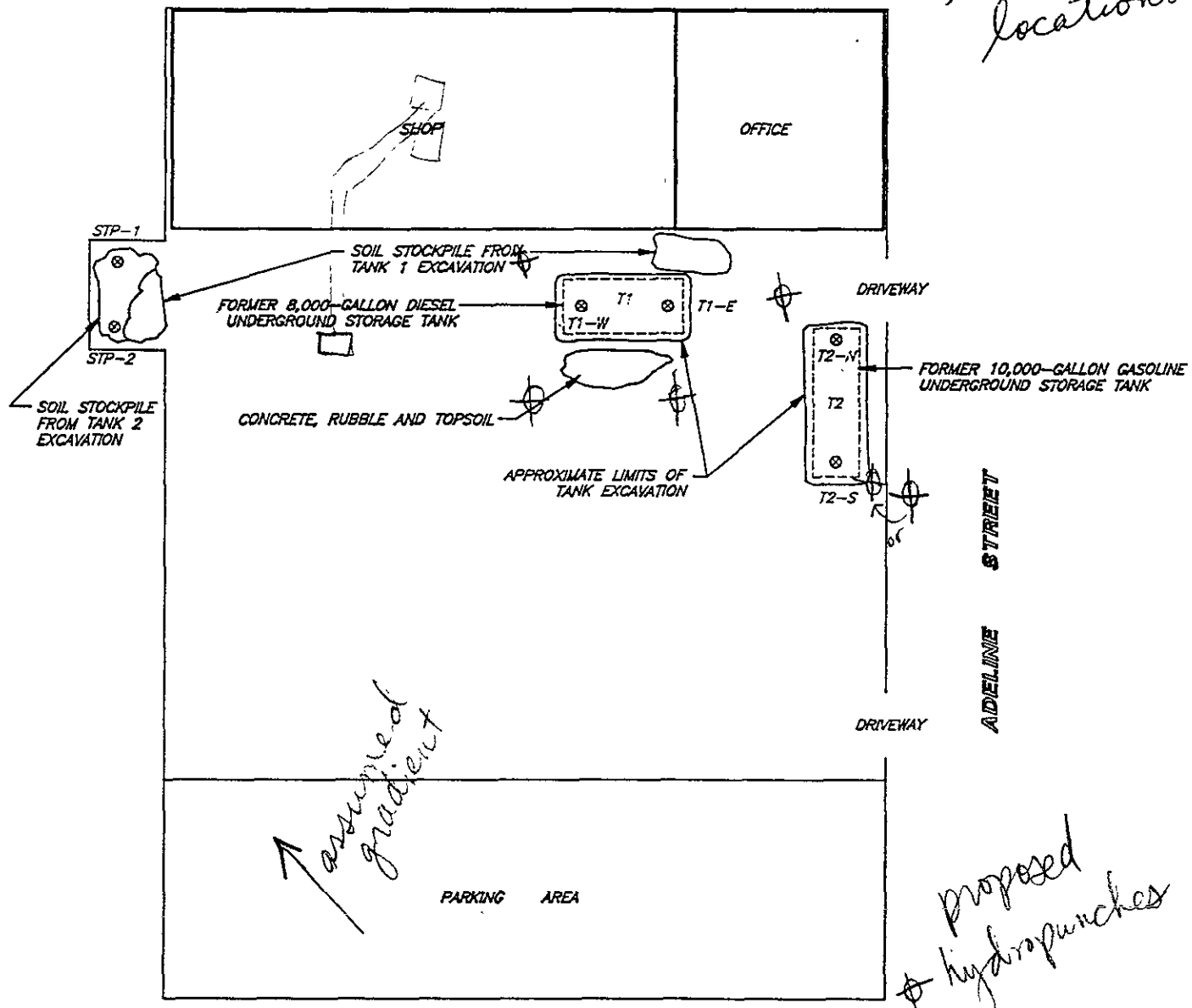
FIGURE

2



2400 STREET

*sample locations*



FILE C:\EA\02330072

EXPLANATION

⊗ SOIL SAMPLE LOCATION  
T1-W



NOT TO SCALE



**ENVIRONMENTAL INVESTIGATION & ACTION, INC.**

**PROJECT 0233007**

**FIGURE 1/2**

**GENERALIZED SITE PLAN**

EASTSHORE LINES  
2400 ADELIN STREET  
OAKLAND, CALIFORNIA

**BORING LOG**

Boring ID **SB-G**

Client: **Eastshore Lines**

Location **2400 Adeline St, Oakland**


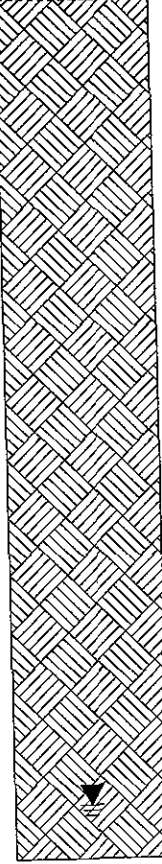
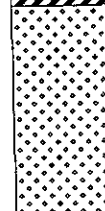
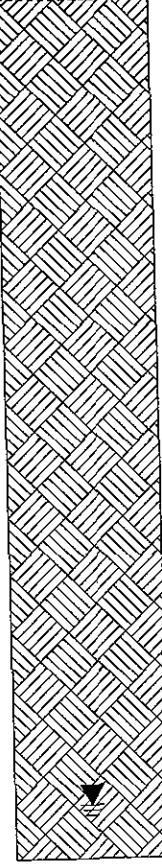

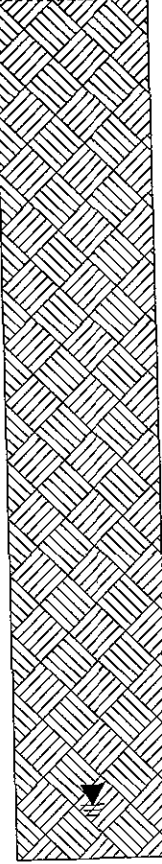

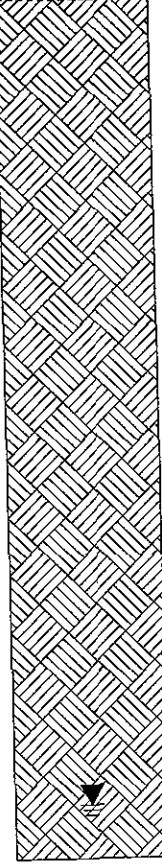
Project No: **61-212**

Phase

Task

Surface Elev. ft.

Page **1** of **1**

Blow Count	Sample Interval	Lithologic Description	TPHg (ppm)	Graphic Log	Boring Completion Graphics	Depth Feet	Additional Comments
		Ground Surface				0	
		Asphalt					
		<b>CLAY:</b> (CH); dark gray; damp; 90% clay, 9% silt, 1% very fine sand; high plasticity; very low estimated permeability.				5	Gastech 80 ppm
		<b>Gravelly SAND:</b> (SW); grey/light brown streaks; damp; 5% clay, 10% silt, 60% fine to medium grained sands; 25% pebble gravel; no plasticity; high estimated permeability.				10	Gastech 100 ppm
		<b>Sandy SILT:</b> (ML); light brown; damp; 5% clay, 50% silt, 45% very fine grained sand; no plasticity; moderate estimated permeability.				15	Gastech 140 ppm Bottom of boring.
						20	
						25	

Driller <b>Vironex</b>	Drilling Started <b>8/9/95</b>	Notes: <b>Boring located near former 8,000-gallon diesel UST.</b>
Logged By <b>Philip T. Gittens</b>	Drilling Completed <b>8/9/95</b>	
Water-Bearing Zones	Grout Type <b>Portland Cement I/II</b>	

BOR 61212 9/1/95

**BORING LOG**

Boring ID

**SB-F**

Client: **Eastshore Lines**

Location **2400 Adeline St, Oakland**



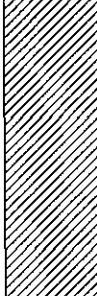
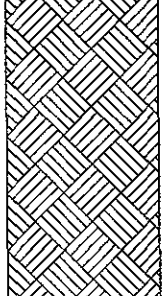

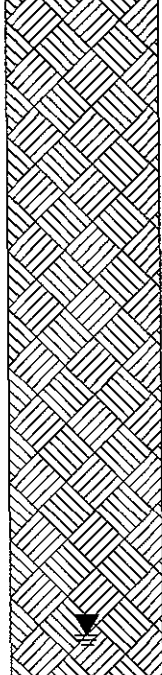
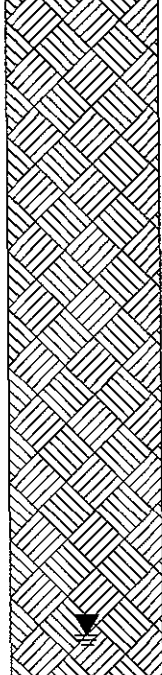
Project No: **61-212**

Phase

Task

Surface Elev. ft,

Page **1** of **1**

Blow Count	Sample Interval	Lithologic Description	TPHg (ppm)	Graphic Log	Boring Completion Graphics	Depth Feet	Additional Comments
		Ground Surface				0	
		Asphalt					
		<b>Silty CLAY</b> ; (CL); light brown; damp; 50% clay, 40% silt, 10% very fine grained sand; high plasticity; very low estimated permeability. Grey; 50% clay, 45% silt, 5% very fine grained sand.				5	Gastech 300 ppm
		<b>Clayey SILT</b> ; (ML); light brown/grey, black streaks; damp; 35% clay, 45% silt, 20% fine to very coarse grained sand; moderate plasticity; low estimated permeability.				10	Gastech 260 ppm
		Light brown/grey streak; 35% clay, 35% silt, 20% fine grained sands, 10% pebble gravel Grey color.				15	Gastech 220 ppm Bottom of boring.
						20	
						25	
						30	

Driller <b>Vironex</b>	Drilling Started <b>8/9/95</b>	Notes: <b>Boring located near former 8,000-gallon diesel UST.</b>
Logged By <b>Philip T. Gittens</b>	Drilling Completed <b>8/9/95</b>	
Water-Bearing Zones	Grout Type <b>Portland Cement I/II</b>	

BOR 61212 10/4/95

Client: Eastshore Lines

Location 2400 Adeline St, Oakland


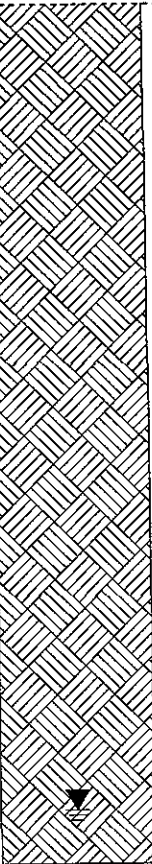
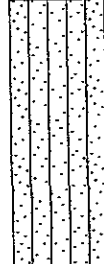
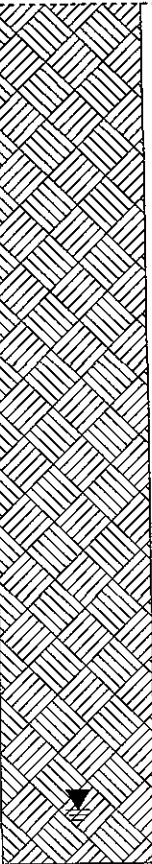

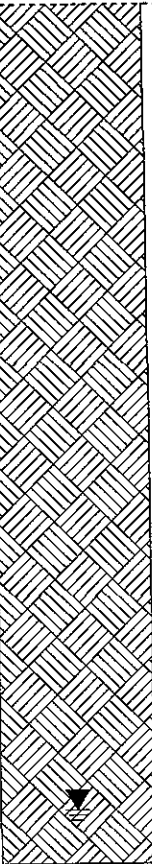

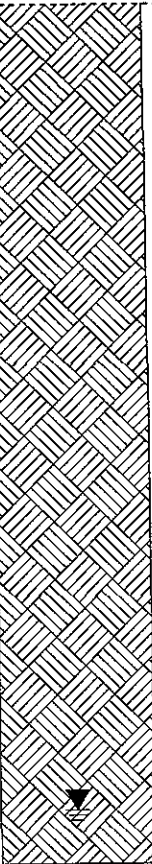
Project No: 61-212

Phase

Task

Surface Elev. ft,

Page 1 of 1

Blow Count	Sample Interval	Lithologic Description	TPHg (ppm)	Graphic Log	Boring Completion Graphics	Depth Feet	Additional Comments
		Asphalt				0	
		<b>Silty CLAY (CH);</b> light brown/grey streaks; damp; 50% clay, 45% silt, 5% very fine grained sand; high plasticity; very low estimated permeability.				5	Gastech 80 ppm
		<b>Silty SAND (SM);</b> light brown/grey, black streaks; damp; slight odor; 30% clay, 30% silt, 40% fine to medium grained sand; moderate plasticity; moderate estimated permeability.				10	Gastech 220 ppm
		<b>Sandy GRAVEL (GP);</b> grey/light brown streaks; moist; slight odor; 1% clay, 4% silt, 35% coarse grained sands; 60% pebble gravel; no plasticity; very high estimated permeability.				15	Gastech 240 ppm Bottom of boring.
						20	
						25	

Driller <b>Vironex</b>	Drilling Started <b>8/9/95</b>	Notes: <b>Boring located near former</b>
Logged By <b>Philip T. Gittens</b>	Drilling Completed <b>8/9/95</b>	<b>8,000-gallon diesel UST.</b>
Water-Bearing Zones	Grout Type <b>Portland Cement I/II</b>	



**BORING LOG**

Boring ID **SB-D**

Client: **Eastshore Lines**

Location **2400 Adeline St, Oakland**



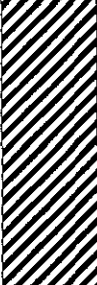
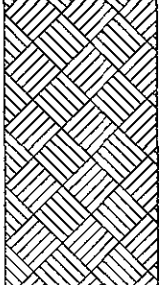
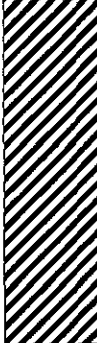
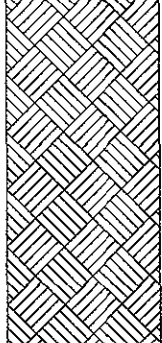
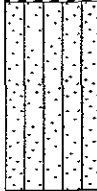
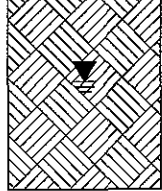
Project No: **61-212**

Phase

Task

Surface Elev. ft,

Page **1** of **1**

Blow Count	Sample Interval	Lithologic Description	TPHg (ppm)	Graphic Log	Boring Completion Graphics	Depth Feet	Additional Comments
		Ground Surface				0	
		Asphalt					
		<b>Silty CLAY</b> ; (CH); light brown; damp; 50% clay, 45% silt, 5% very fine grained sand; high plasticity; very low estimated permeability.				5	Gastech 260 ppm
		45% clay, 50% silt, 5% very fine grained sand				10	Gastech 260 ppm
		<b>Silty SAND</b> ; (SM); orange/light brown; moist; 10% clay, 10% silt, 80% fine to medium grained sands; no plasticity; moderate estimated permeability.				15	Gastech 260 ppm
							Bottom of boring.
						20	
						25	

Driller <b>Vironex</b>	Drilling Started <b>8/9/95</b>	Notes: <b>Boring located near former</b>
Logged By <b>Philip T. Gittens</b>	Drilling Completed <b>8/9/95</b>	<b>8,000-gallon diesel UST.</b>
Water-Bearing Zones	Grout Type <b>Portland Cement I/II</b>	

BOR 61212 9/1/95

**BORING LOG**

Boring ID

**SB-C**

Client: **Eastshore Lines**

Location **2400 Adeline St, Oakland**

Project No: **61-212**

Phase

Task

Surface Elev. ft,

Page **1** of **1**

Blow Count	Sample Interval	Lithologic Description	TPHg (ppm)	Graphic Log	Boring Completion Graphics	Depth Feet	Additional Comments
		Asphalt				0	
		<b>Silty CLAY</b> ; (CH); light brown; damp; 50% clay, 45% silt, 5% very fine grained sand; high plasticity; very low estimated permeability.				5	Gastech 100 ppm
		40% clay, 50% silt, 10% fine grained sand				10	Gastech 100 ppm
		<b>Silty SAND</b> ; (SM); light brown; damp; 5% clay, 5% silt, 90% medium grained sands; low plasticity; moderate estimated permeability.				15	Gastech 60 ppm Bottom of boring.
						20	
						25	

Driller <b>Vironex</b>	Drilling Started <b>8/9/95</b>	Notes: <b>Boring located near former</b>
Logged By <b>Philip T. Gittens</b>	Drilling Completed <b>8/9/95</b>	<b>10,000-gallon gasoline UST.</b>
Water-Bearing Zones	Grout Type <b>Portland Cement I/II</b>	

BOR 61212 9/1/95

**BORING LOG**

Client: **Eastshore Lines**

Project No: **61-212**

Phase

Task

Boring ID **SB-B**

Location **2400 Adeline St, Oakland**

Surface Elev. ft,

Page **1** of **1**

Depth Feet	Blow Count	Sample Interval	Lithologic Description	TPHg (ppm)	Graphic Log	Boring Completion Graphics	Depth Feet	Additional Comments
0	Ground Surface		Asphalt				0	
5			<b>Clayey SILT</b> : (MH); light brown; damp; 45% clay, 50% silt, 5% fine to very fine grained sand; high plasticity; very low estimated permeability.				5	
10			40% clay, 50% silt, 10% fine to very fine grained sand				10	Gastech 120 ppm.
15			<b>Silty SAND</b> : (SM); light brown; damp; 1% clay, 34% silt, 65% fine to medium grained sands; no plasticity; moderate estimated permeability.  1% clay, 44% silt, 50% fine to very coarse grained sands, 5% pebble gravel.				15	
20			<b>CLAY</b> : (CH); gray; damp; 90% clay, 9% silt, 1% very fine sand; high plasticity; very low estimated permeability.				20	Gastech 120 ppm.
25							25	Bottom of boring.

Driller **Vironex**

Drilling Started **8/9/95**

Notes: **Boring located between**

Logged By **Philip T. Gittens**

Drilling Completed **8/9/95**

**former 10,000-gallon gasoline**

Water-Bearing Zones

Grout Type **Portland Cement I/II**

**and 8,000-gallon diesel**

underground storage tanks 612 9/1/95

**BORING LOG**

Client: **Eastshore Lines**

Boring ID **SB-A**

Project No: **61-212**

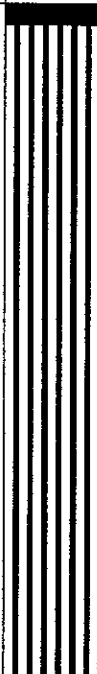
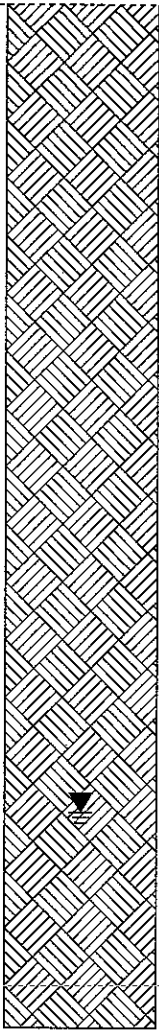
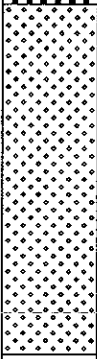
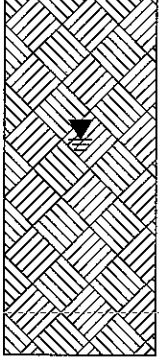
Phase

Task

Location **2400 Adeline St, Oakland**

Surface Elev. **NA ft.**

Page **1** of **1**

Depth Feet	Blow Count	Sample Interval	Lithologic Description	TPHg (ppm)	Graphic Log	Boring Completion Graphics	Depth Feet	Additional Comments
0	Ground Surface						0	
			Asphalt					
5			Clayey SILT; (MH); light brown; damp; 45% clay, 50% silt, 5% fine to very fine grained sand; high plasticity; very low estimated permeability				5	
10			40% clay, 50% silt, 10% fine to very fine grained sand				10	
15			SAND; (SW); light brown; wet; 1% clay, 5% silt, 85% fine to coarse grained sand, 9% pebble gravel; no plasticity; high estimated permeability.				15	
20							20	Bottom of boring.
25							25	

Driller Vironex  
 Logged By Philip T. Gittens  
 Water-Bearing Zones \_\_\_\_\_

Drilling Started 8/9/95  
 Drilling Completed 8/9/95  
 Grout Type Portland Cement I/II

Notes: Near former 10,000-gallon UST.