

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



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

June 28, 2004

Eric & Marie Kayler  
PO Box 2432  
Alameda, CA 94501

Mario Santilli  
111 Myrtle St. #201-B  
Oakland, CA 94612

Dear Mr. & Mrs. Kayler, Mr. Santilli:

Subject: Fuel Leak Site Case Closure: Continental Color, 2201 West St., Oakland, CA 94612;  
Case No. RO0002510

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 Health (ACEH) 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:

- Up to 3,700 micrograms/liter (ug/l) TPH (Diesel), 6.9 ug/l Toluene, 19 ug/l Ethyl Benzene, 46 ug/l Xylene, 17 ug/l Chloroform, 1.3 ug/l 1,2,4 Trimethylbenzene, 0.51 ug/l Isopropylbenzene, remain in groundwater.

If you have any questions, please call Don Hwang at (510) 567-6746. Thank you.

Sincerely,

Donna L. Drogos, P.E.  
LOP Program Manager

Mr. & Mrs. Kayler  
Mr. Santilli  
June 28, 2004  
Page 2 of 2

Enclosures:

1. Case Closure Letter
2. Case Closure Summary

cc: Ms. Betty Graham (w/enc)  
Regional Water Quality Control Board  
San Francisco Bay Region  
1515 Clay Street, Suite 1400  
Oakland, CA 94612

Mr. Toru Okamoto (w/enc)  
State Water Resources Control Board  
Underground Storage Tank Cleanup Fund  
P.O. Box 944212  
Sacramento, CA 94244-2120

City of Oakland Fire Services OES (w/enc)  
1605 M.L. King Jr. Way  
Oakland, CA 94612-1328

City of Oakland Community & Economic Development Agency (w/enc)  
Planning & Zoning Division  
250 Frank Ogawa Plaza, Suite 2114  
Oakland, CA 94612

Don Hwang (w/orig enc), D. Drogos (w/enc), R. Garcia (w/enc)

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Dear Mr. & Mrs. Kayler, Mr. Santilli:

Subject: Fuel Leak Site Case Closure Continental Color, 2201 West St., Oakland, CA 94612;  
Case No. RO0002510

This letter confirms the completion of a site investigation and remedial action for the heating oil underground storage tank(s) 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 tank(s) 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, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

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

Sincerely,

Mee Ling Tung  
Director  
Alameda County Environmental Health

**CASE CLOSURE SUMMARY  
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM**

**I. AGENCY INFORMATION**

Date: April 23, 2004

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6746
Responsible Staff Person: Don Hwang	Title: Hazardous Materials Specialist

**II. CASE INFORMATION**

Site Facility Name: Continental Color		
Site Facility Address: 2201 West St., Oakland, CA 94612		
RB Case No.:	Local Case No.: RO0002510	LOP Case No.: RO0002510
URF Filing Date:	SWEEPS No.: ---	APN: 003-0027-012-00
Responsible Parties	Addresses	Phone Numbers
Eric & Marie Kayler	PO Box 2432, Alameda, CA 94501	
Mario Santilli	111 Myrtle St. #201-B, Oakland, CA 94612	

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
---	300	heating oil	Removed	June 20, 2002
	Piping		undetermined	undetermined

**III. RELEASE AND SITE CHARACTERIZATION INFORMATION**

Cause and Type of Release: tank had numerous holes, groundwater release		
Site characterization complete? Yes	Date Approved By Oversight Agency: -----	
Monitoring wells installed? No	Number: ---	Proper screened interval? ---
Highest GW Depth Below Ground Surface: 13 ft	Lowest Depth: 13 ft	Flow Direction: undetermined, south at 3838 West St. (RO0000242)
Most Sensitive Current Use: Potential drinking water source.		
Summary of Production Wells in Vicinity: No water supply wells identified within ¼ mile radius of the site.		
Are drinking water wells affected? No	Aquifer Name: East Bay Plain	
Is surface water affected? No	Nearest SW Name: Lake Merritt 4,000 feet southeast	
Off-Site Beneficial Use Impacts (Addresses/Locations): none identified		
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health, City of Oakland Fire Services OES	

**TREATMENT AND DISPOSAL OF AFFECTED MATERIAL**

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	300 gallons	Disposal to Ecology Control Industries, Inc., Richmond, CA	June 19, 2002
Piping	not reported	Assumed disposed with UST's	June 19, 2002
Free Product	75 gallons	undetermined	June 19, 2002
Soil	60.68 tons	Disposal to Keller Canyon Landfill, Pittsburg, CA	July 26, 2002
Groundwater	none reported	---	---

**MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP**  
(Please see Attachments 1-5 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	---	---	---	---
TPH (Diesel)	660	3.2	3,700	3,700
Oil & Grease	---	---	---	---
Benzene	<100	<100	<5	<5
Toluene	<100	<100	6.9	6.9
Ethyl Benzene	20	0.240	19	19
Xylene	60	0.360	46	46
Heavy Metals	---	---	---	---
MTBE (if not analyzed, explain below)	<100	<100	<5*	<5*
Other (8260B)	---	---	17**	17**

\* <5 ppb MTBE, --- ppb EtOH, --- ppb TAME, --- ppb ETBE, --- ppb DIPE, --- ppb TBA, --- ppb EDB, and --- ppb EDC  
 \*\*17 ppb Chloroform, 13 ppb 1,2,4 Trimethylbenzene, 0.51 ppb Isopropylbenzene

**Site History and Description of Corrective Actions:**

On June 19, 2002, one 300 gallon heating oil tank was removed. Total petroleum hydrocarbons as diesel (TPHd) was reported in the confirmation soil sample collected at 9 feet below ground surface (bgs) at a concentration of 660 parts per million (ppm). Additionally, 1.5, 3.1, 20, and 63 mg/kg BTEX were detected in the soil sample. The underground storage tank (UST) pit was overexcavated on July 26, 2002. The final excavation size was 15 feet long by 6 feet wide by 13 feet deep and approximately 60.7 tons of soil was properly disposed offsite. Sidewall soil sample analytical results detected up to 3.2 TPHd. A grab water sample from the final excavation indicated 3,700 parts per billion (ppb) TPHd and <5 ppb benzene.

On September 17, 2003, three exploratory soil borings (B1 through B3) were advanced at select locations adjacent to the former UST. The primary goal of this investigation was to characterize soil and groundwater near the former UST. Soil boring B1 was located approximately 5 feet west of the former UST excavation, soil boring B2 was located approximately 5 feet east of the former UST excavation, and soil boring B3 was located approximately 5 feet south of the former UST excavation. The consultant estimated the regional groundwater flow direction in this area is to the south.

continued....

Grab groundwater samples collected in each respective soil boring, in saturated soil between 11.5 to 13 feet bgs, were analyzed for TPHd and VOCs. Analytical results reported a TPHd concentration of 190 ppb in soil boring B3. The analytical results were flagged as not resembling diesel by having a non-diesel pattern. No detectable BTEX or MTBE concentrations were reported in any of the grab groundwater samples.

VOC concentrations were non-detect in the grab groundwater sample collected in soil boring B1. Chloroform was detected at 17 parts per billion (ppb) in the grab groundwater sample collected in soil boring B2. Concentrations of Isopropylbenzene at 0.51 ppb and 1.3 ppb 1,2,4 Trimethylbenzene were detected in the grab groundwater sample collected in soil boring B3.

The consultant compared maximum residual groundwater concentrations to Environmental Screening Levels (ESL) and determined BTEX and MTBE concentrations to be less than the ESL's.

#### IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a risk to human health based upon current land use and conditions.		
Site Management Requirements: None		
Should corrective action be reviewed if land use changes? No		
Monitoring Wells Decommissioned: N/A	Number Decommissioned: 0	Number Retained: 0
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: None		

#### V. ADDITIONAL COMMENTS, DATA, ETC.

<p>Considerations and/or Variances:</p> <p>Soil and groundwater samples were not analyzed for TPHg.  The consultant determined that since field indications of petroleum hydrocarbon impact were only observed at the capillary fringe in soil boring B3, and the grab groundwater sample analytical result was minor, the consultant did not analyze the soil sample collected at 11 feet bgs in soil boring B3.</p> <p>Conclusion:</p> <p>Alameda County Environmental Health believes that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment based upon the information available in our files to date. The source area (15'x6'x15'deep) was over-excavated. Residual pollution is expected to biodegrade over time. ACEH staff recommend closure for this site.</p>
---

Prepared by: Don Hwang	Title: Hazardous Materials Specialist
Signature: <i>Don Hwang</i>	Date: 4/23/04
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature: <i>Donna L. Drogos</i>	Date: 04/23/04

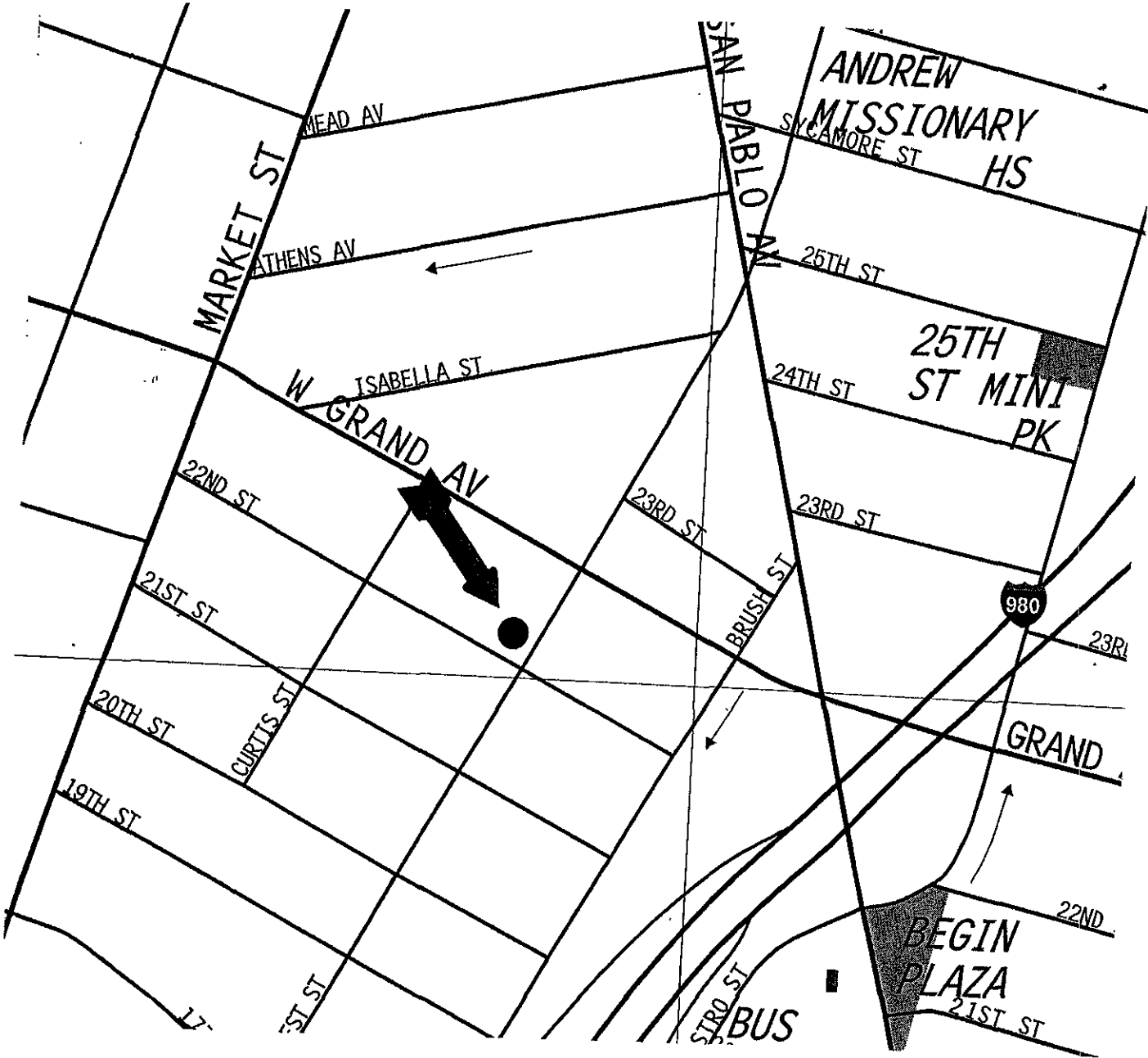
This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

**VII. REGIONAL BOARD NOTIFICATION**

Regional Board Staff Name: Betty Graham	Title: Associate Water Resources Control Engineer
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB:
Signature: <i>Betty Graham</i>	Date: 6/24/04

- Attachments:
1. Site Vicinity Map
  2. Site Plan (3 pages)
  3. Soil Analytical Data
  4. Groundwater Analytical Data
  5. Boring Logs (3 pages)

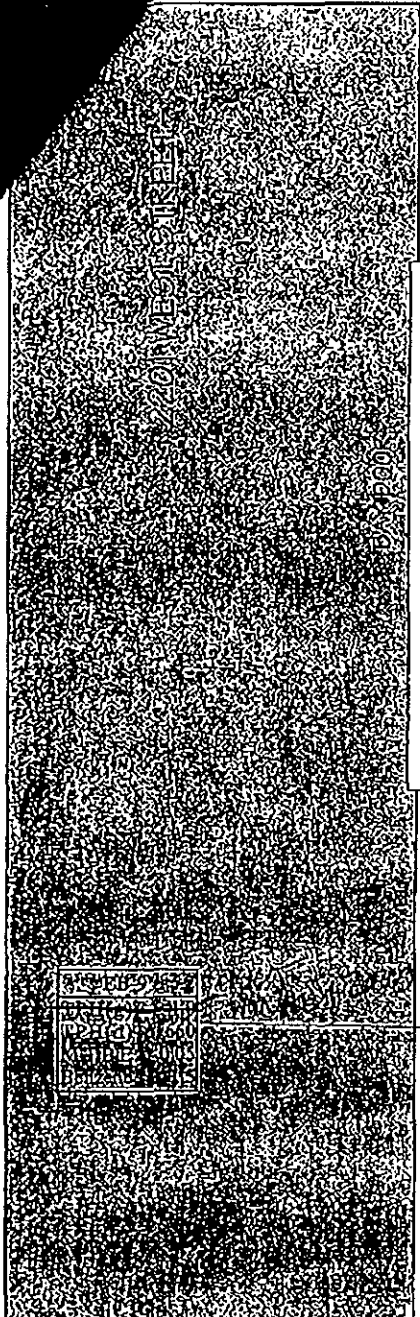
This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.



Source: Thomas Guide, Bay Area 2002

Title: <b>2201 West Street Oakland, California</b>	
Figure Number: 1	Scale: None
Project No: 6766-001.00	Drawn By: EJG
<b>A • C • C</b> <b>ENVIRONMENTAL CONSULTANTS</b>	Date: 10/14/03
7977 Capwell Drive, Suite 100 Oakland, California 94621 (510) 638-8400 Fax: (510) 638-8404	

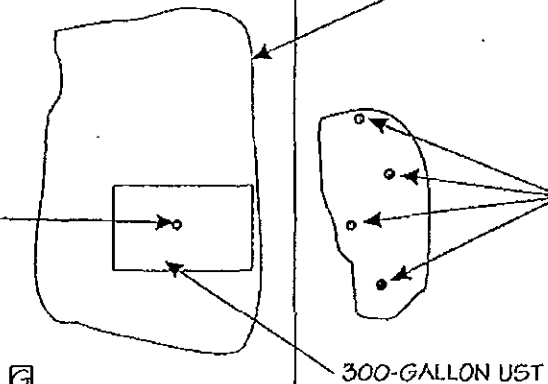




SIDEWALK

WEST STREET

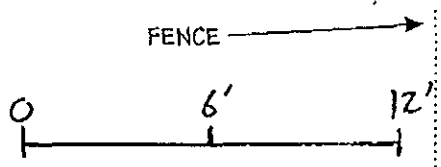
EXCAVATION BOUNDARY



STKP 1-4	
TPH(g)	<1.0
TPH(d)	160
MTBE	<0.05
Benzene	<0.005

-NOT ANALYZED

300-GALLON UST



SCALE = 1" = 6 FT

AMEND TO 3/31/04 BY ACC

**KEY**

- SOIL SAMPLE LOCATION
- TPH(g) TOTAL PETROLEUM HYDROCARBON AS GASOLINE
- TPH(d) TOTAL PETROLEUM HYDROCARBON AS DIESEL
- MTBE METHYL TERTIARY BUTYL ETHER

SOIL SAMPLE RESULTS IN mg/kg

PG&E GAS METER



**AEI Consultants**

3210 OLD TUNNEL ROAD, SUITE B, LAFAYETTE, CA

SCALE: NOT TO SCALE | DRAWN BY: NATHAN GARFIELD | DATE: 7/2/02

**SAMPLE LOCATION MAP**

2201 WEST STREET  
OAKLAND, CALIFORNIA

DRAWING NUMBER:  
**FIGURE 3**

2201 WEST STREET

SIDEWALK

WEST STREET

BAY DOOR

SWN 12'	
TPH(d)	<1.0
NAPHTHALENE	<5.0
1,2,4-TRIMETHYLBENZENE	<5.0
XYLENES	<5.0
ETHYLBENZENE	<5.0
4-ISOPROPYL TOLUENE	<5.0
n-PROPYL BENZENE	<5.0
1,3,5-TRIMETHYLBENZENE	<5.0

BENZENE 15.0  
TOLUENE 15.0

GW	
TPH(d)	3,700
n-BUTYL BENZENE	6.0
ISOPROPYL BENZENE	7.5
NAPHTHALENE	36
TOLUENE	6.9
1,2,4-TRIMETHYLBENZENE	71
XYLENES	46
ETHYLBENZENE	19
n-PROPYL BENZENE	11

BENZENE 15.0

SWE 12'	
TPH(d)	<1.0
NAPHTHALENE	<5.0
1,2,4-TRIMETHYLBENZENE	<5.0
XYLENES	<5.0
ETHYLBENZENE	<5.0
4-ISOPROPYL TOLUENE	<5.0
n-PROPYL BENZENE	<5.0
1,3,5-TRIMETHYLBENZENE	<5.0

BENZENE 15.0  
TOLUENE 15.0

SWS 12'	
TPH(d)	<1.0
NAPHTHALENE	<5.0
1,2,4-TRIMETHYLBENZENE	<5.0
XYLENES	<5.0
ETHYLBENZENE	<5.0
4-ISOPROPYL TOLUENE	<5.0
n-PROPYL BENZENE	<5.0
1,3,5-TRIMETHYLBENZENE	<5.0

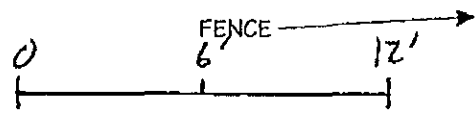
BENZENE 15.0  
TOLUENE 15.0

EBW 12'	
TPH(d)	3.2
NAPHTHALENE	200
1,2,4-TRIMETHYLBENZENE	660
XYLENES	360
ETHYLBENZENE	240
4-ISOPROPYL TOLUENE	110
n-PROPYL BENZENE	110
1,3,5-TRIMETHYLBENZENE	220

BENZENE 1100  
TOLUENE 1100

EXCAVATION BOUNDARY

FORMER LOCATION OF 300-GALLON UST



SCALE = 1" = 6'

REVISED 3/31/04 BY AEC

KEY

- SOIL SAMPLE LOCATION
- TPH(d) TOTAL PETROLEUM HYDROCARBON AS DIESEL
- TPH(d) RESULTS EXPRESSED IN MG/KG
- ALL OTHER SOIL SAMPLE RESULTS IN ug/kg
- WATER SAMPLE RESULTS IN ug/L

PG&E GAS METER



AEI Consultants

3210 OLD TUNNEL ROAD, SUITE B, LAFAYETTE, CA

SCALE: NOT TO SCALE | DRAWN BY: NATHAN GARFIELD | DATE: 8/7/02

SAMPLE LOCATION MAP

2201 WEST STREET  
OAKLAND, CALIFORNIA

DRAWING NUMBER:  
FIGURE 3

2201 West Street  
Continental Color  
(vacant)

roll-up door

fence

B2 ●



● B3

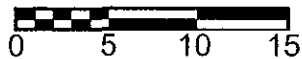
● B1

former UST  
overexcavation  
(approximated)

22nd STREET

**LEGEND**

● ACC Soil Boring Location  
SB1



Source: AEI Consultants 8/02

Title: **Site Map (Revised)**  
**2201 West Street**  
**Oakland, California**

Figure Number: 2

Scale: 1" = 10'

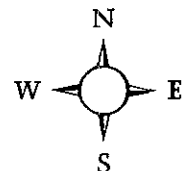
Project No: 6766-001.00

Drawn By: TRB

**A • C • C**  
ENVIRONMENTAL  
CONSULTANTS

Date: 10/14/03

7977 Capwell Drive, Suite 100  
Oakland, California 94621  
(510) 638-8400 Fax: (510) 638-8404



Site Address: 2201 West Street, Oakland, CA  
Sampling Date: 6/19/02

AEI Project Number: 5251  
Underground Storage Tank Removal Final Report

Table 1 - Soil Sample Analytical Results (Amended)

Sample ID	EB-9'	STKP 1-4
TPH diesel	660	160
MTBE	<5.0	<0.5
Benzene	1.5	<0.05
Toluene	3.1	<0.05
Ethylbenzene	20	0.098
Total Xylene	63	0.32
Isopropylbenzene	63	ND <0.1
Napthalene	4.2	ND <0.1
1,2,4- Trimethylbenzene	10	ND <0.1
4-Isopropyl Toluene	43	ND <0.1
N-Propyl Benzene	8.5	ND <0.1
1,3,5- Trimethylbenzene	19	ND <0.1

Notes: All results reported in milligrams per kilogram (mg/kg)

ND < = Sample tested below the laboratory minimum detection limit indicated

Table 1 - Soil Samples Analyses (Amended)

Sample ID	SWN 12'	SWE 12'	SWS 12'	EBW 12'
TPH diesel	<1.0	<1.0	<1.0	3.2
Napthalene	<0.0050	<0.0050	<0.0050	0.200
1,2,4- Trimethylbenzene	<0.0050	<0.0050	<0.0050	0.660
Benzene	<0.0050	<0.0050	<0.0050	<0.100
Toluene	<0.0050	<0.0050	<0.0050	<0.100
Ethylbenzene	<0.0050	<0.0050	<0.0050	0.240
Xylenes	<0.0050	<0.0050	<0.0050	0.360
4-Isopropyl Toluene	<0.0050	<0.0050	<0.0050	0.110
N-Propyl Benzene	<0.0050	<0.0050	<0.0050	0.110
1,3,5- Trimethylbenzene	<0.0050	<0.0050	<0.0050	0.220

Notes: All results reported in milligrams per kilogram (mg/kg)

ND< =Sample tested below the laboratory minimum detection limit indicated

Table 2 - Groundwater Sample Analyses (Amended)

Sample ID	GW
TPH diesel	3,700
n-Butyl Benzene	6
Isopropylbenzene	7.5
Napthalene	36
Benzene	<5.0
Toluene	6.9
1,3,5- Trimethylbenzene	71
Xylenes	46
Ethylbenzene	19
N-Propyl Benzene	11

Notes: All results reported in micrograms per Liter (µg/L)

ND< =Sample tested below the laboratory minimum detection limit indicated

# Table 1- Analytical Data Spreadsheet

Site Address: 2201 West Street, Oakland, CA

Project Number: 6766-001.00

Sampling Date: 9/17/03

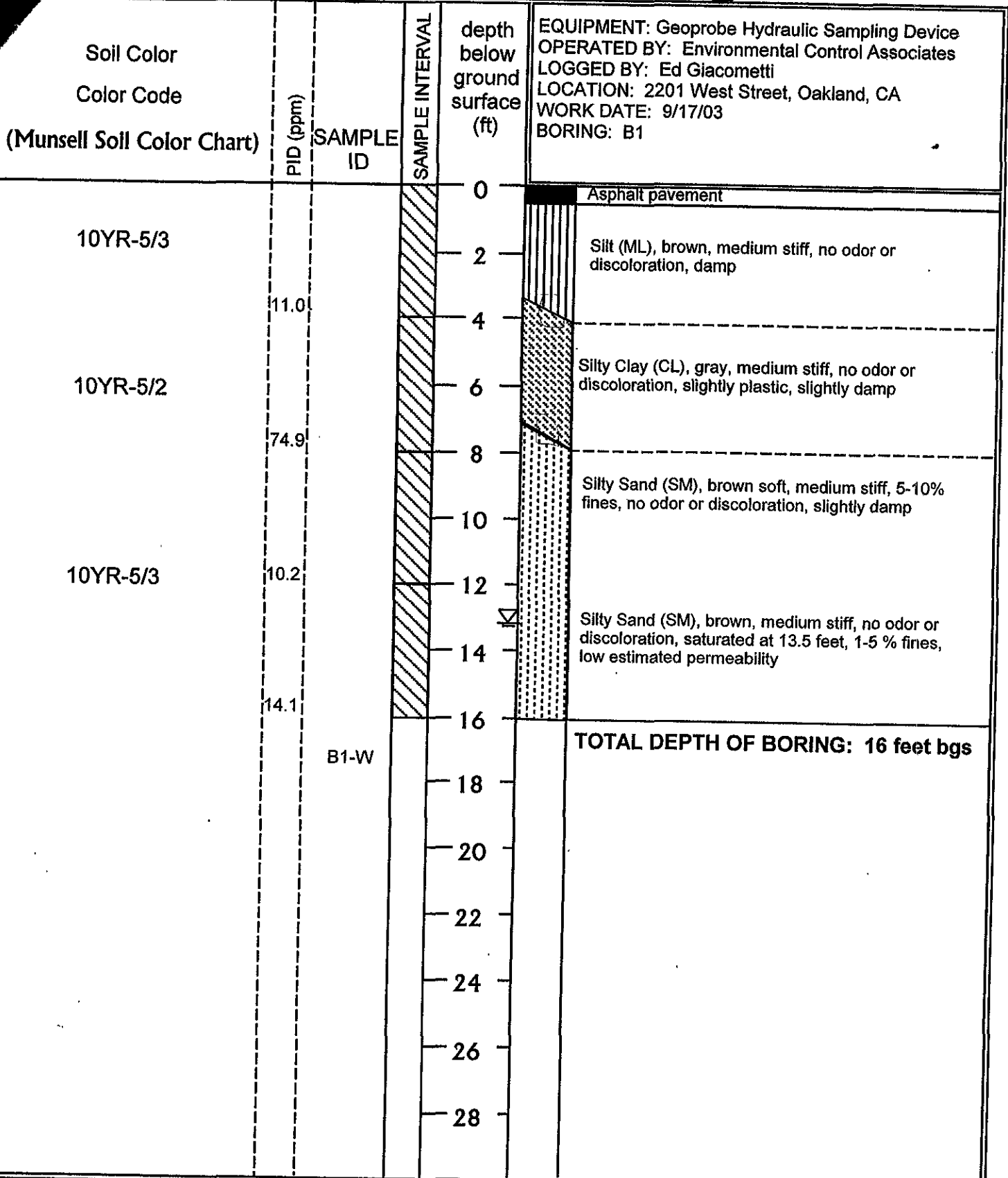
Sample ID	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylene	MTBE	Chloroform	Isopropyl-benzene	1,2,4-Trimethylbenzene
B1-W	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<1.0	<0.50	<0.50
B2-W	<50	<0.50	<0.50	<0.50	<1.0	<5.0	17	<0.50	<0.50
B3-W	190	<0.50	<0.50	<0.50	<1.0	<5.0	<1.0	0.51	1.3

**Notes:**

Water results reported in micrograms per liter (ug/L), approximately equal to parts per billion (ppb)

< analytical results under laboratory reporting limit

N/A = samples were not analyzed for this constituent



**ACC Environmental Consultants, Inc.**  
 7977 Capwell Drive, Suite 100  
 Oakland, California 94621  
 (510)638-8400 FAX: (510)638-8404

**Project Number**  
 6743-001.00

**Date:** 10/10/03

**Title: LOG OF BORING B1**  
 2201 West Street  
 Oakland, California

Soil Color Color Code (Munsell Soil Color Chart)	PID (ppm)	SAMPLE ID	SAMPLE INTERVAL	depth below ground surface (ft)	EQUIPMENT: Geoprobe Hydraulic Sampling Device OPERATED BY: Environmental Control Associates LOGGED BY: Ed Giacometti LOCATION: 2201 West Street, Oakland, CA WORK DATE: 9/17/03 BORING: B2
				0	Asphalt pavement
10YR-5/3				2	Silt (ML), brown, medium stiff, no odor or discoloration, damp
	12.1			4	
10YR-5/2				6	Silty Clay (CL), gray, medium stiff, no odor or discoloration, slightly damp
	28.3			8	
				10	Silty Sand (SM), brown soft, medium stiff, no odor or discoloration, slightly damp
10YR-5/3	32.2			12	
				14	Silty Sand (SM), brown, medium stiff, no odor or discoloration, 1-5% fines, saturated at 13.0 feet
	14.2			16	
		B2-W		16	<b>TOTAL DEPTH OF BORING: 16 feet bgs</b>
				18	
				20	
				22	
				24	
				26	
				28	

**ACC Environmental Consultants, Inc.**  
 7977 Capwell Drive, Suite 100  
 Oakland, California 94621  
 (510)638-8400 FAX: (510)638-8404

**Project Number**  
 6766-001.00

**Date:** 10/10/03

**Title: LOG OF BORING B2**  
 2201 West Street  
 Oakland, California



Soil Color Color Code (Munsell Soil Color Chart)	PID (ppm)	SAMPLE ID	SAMPLE INTERVAL	depth below ground surface (ft)	EQUIPMENT: Geoprobe Hydraulic Sampling Device OPERATED BY: Environmental Control Associates LOGGED BY: Ed Giacometti LOCATION: 2201 West Street, Oakland, CA WORK DATE: 9/17/03 BORING: B3
				0	Concrete pavement
10YR-5/3				2	Silt (ML), brown, medium stiff, no odor or discoloration, damp
	12.5			4	
5Y-5/2				6	Silty Clay (CL), olive-gray color, medium stiff, slightly plastic, slightly damp
	72.5			8	
				10	Silty Sand (SM), soft, medium stiff, olive-gray discoloration, 1-5% fines, slightly damp
5Y-5/2	173	B3-11.0		12	Silty Sand (SM), as above, slight petroleum odor
				14	Silty Sand (SM), olive-gray discoloration, petroleum odor to 15 feet, brown sand from 15-16 feet medium stiff, water at 13.0 feet, slight petroleum odor in water
	108	B3-W		16	
					<b>TOTAL DEPTH OF BORING: 16 feet bgs</b>
					18
					20
					22
					24
					26
					28

<b>ACC Environmental Consultants, Inc.</b> 7977 Capwell Drive, Suite 100 Oakland, California 94621 (510)638-8400 FAX: (510)638-8404	<b>Project Number</b> <b>6766-001.00</b> <hr/> <b>Date: 10/10/03</b>	<b>Title: LOG OF BORING B3</b> 2201 West Street Oakland, California
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