



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

June 28, 2013

Mr. Ron Silberman  
1240 Powell Street LLC  
5835 Doyle Street, Suite 101  
Emeryville, CA 94608  
(sent via electronic mail to:  
[RonS51@yahoo.com](mailto:RonS51@yahoo.com))

Mr. Sean Absher  
1240 Powell St LLC  
44 Montgomery St # 4200  
San Francisco, CA 94104

Mr. Frank Garza  
Garza & Associates  
Unknown Address

Subject: Closure Transmittal; Fuel Leak Case No. RO0002869 and Geotracker, Global ID #  
Geotracker Global ID T06019727624, Garza & Associates, 1240 Powell St., Emeryville  
CA 94608

Dear Messrs. Silberman, Absher, and Garza:

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:

- Excavation or construction activities in areas of residual or potential residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

If you have any questions, please call Mark Detterman at (510) 567-6876. Thank you.

Sincerely,

Donna L. Drogos, P.E.  
Division Chief

Enclosures: 1. Remedial Action Completion Certificate  
2. Case Closure Summary

cc: Norman Ozaki, Nozaki & Associates, 3390 Dwight Way, Berkeley, CA 94704 (sent via electronic mail to [nozaki472@gmail.com](mailto:nozaki472@gmail.com))

Ms. Cherie McCaulou (w/enc.), SF- Regional Water Quality Control Board, 1515 Clay Street, Suite 1400, Oakland, CA 94612, (sent via electronic mail to [CMacaulou@waterboards.ca.gov](mailto:CMacaulou@waterboards.ca.gov))

City of Emeryville, Economic Development & Housing Department, c/o Markus Niebanck, 1333 Park Avenue, Emeryville, CA 94608 (sent via electronic mail to [MNiebanck@ci.emeryville.ca.us](mailto:MNiebanck@ci.emeryville.ca.us))

Donna Drogos, (sent via electronic mail to [donna.drogos@acgov.org](mailto:donna.drogos@acgov.org))

Mark Detterman (sent via electronic mail to [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org))

Electronic File, GeoTracker

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

ALEX BRISCOE, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH  
OFFICE OF THE DIRECTOR  
1131 HARBOR BAY PARKWAY  
ALAMEDA, CA 94502  
(510) 567-6777  
FAX (510) 337-9135

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REMEDIAL ACTION COMPLETION CERTIFICATION

June 28, 2013

Mr. Ron Silberman  
1240 Powell Street LLC  
5835 Doyle Street, Suite 101  
Emeryville, CA 94608  
(sent via electronic mail to:  
[RonS51@yahoo.com](mailto:RonS51@yahoo.com))

Mr. Sean Absher  
1240 Powell St LLC  
44 Montgomery St # 4200  
San Francisco, CA 94104

Mr. Frank Garza  
Garza & Associates  
Unknown Address

Subject: Case Closure for Fuel Leak Case No. RO0002869 and Geotracker, Global ID # Geotracker Global ID T06019727624, Garza & Associates, 1240 Powell St., Emeryville CA 94608

Dear Messrs. Silberman, Absher, and Garza:

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 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.

Claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

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,

Ariu Levi  
Director

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

**I. AGENCY INFORMATION**

Date: March 4, 2013

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6876
Responsible Staff Person: Mark Detterman	Title: Senior Hazardous Materials Specialist

**II. CASE INFORMATION**

Site Facility Name: Garza & Associates		
Site Facility Address: 1240 Powell Street, Emeryville, CA 94608		
RB Case No.: ----	STID No.: 6360	LOP Case No.: RO0002869
URF Filing Date: ----	Geotracker ID: T06019727624	APN: 43-1331-11

Responsible Parties	Addresses	Phone Numbers
Ron Silberman	1240 Powell Street LLC 5835 Doyle Street, Suite 101 Emeryville, CA 94608	----
Sean Absher	1240 Powell Street LLC 44 Montgomery Street, #4200 San Francisco, CA 64104-4815	(415) 283-2242
Frank Garza	Garza & Associates Unknown	---

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
----	4,000	Gasoline	Removed	1/22/1991
----	Two - 6,000	Unknown: Gas or Diesel	Removed	1974
----	10,000	Unknown: Gas or Diesel	Removed	1974
----	2,000	Unknown: Gas or Diesel	Removed	1974
----	550	Waste Oil	Removed	1974
Piping			Removed	1/22/1991

### III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown. Only the 4,000-gallon UST removal was witnessed by an independent observer. For that tank, tank overfilling is suspected, as the tank had no obvious corrosion or holes and there were no overfill protection devices in place during removal.		
Site characterization complete? Yes	Date Approved By Oversight Agency: ----	
Monitoring wells installed? Yes	Number: 3	Proper screened interval? Yes
Highest GW Depth: 6.29 feet	Lowest GW Depth: 8.58 feet	Flow Direction: Southwest
Most Sensitive Current Use: Potential drinking water source.		

Summary of Production Wells in Vicinity: No water supply wells were identified within 2,000 feet of the site.	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: San Francisco Bay, located approximately 3,000 feet west.
Off-Site Beneficial Use Impacts (Addresses/Locations): None identified	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tanks	Two 6,000-gallon 10,000-gallon 2,000-gallon	Pre-Environmental Regulations; No records exist for the removal and disposal of these USTs	Unknown
Tank	4,000-gallon	Erickson, Inc.; 255 Parr Blvd., Richmond, CA	1/22/1991
Piping	Unknown	Erickson, Inc.; 255 Parr Blvd., Richmond, CA	1/22/1991
Product and Tank Rinsate	1,040 gallons	Tank Rinsate; Demenno-Kerdoon; Compton, CA	1/21/1999
Soil	---	---	---
Groundwater	---	---	---

**MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP**  
 (Please see Attachments 1 through 6 for additional information on contaminant locations and concentrations)

Contaminant	Soil (mg/kg)		Water (µg/l)	
	Before	After	Before	After
TPH (Gas)	59	59	1,400	<50 *
TPH (Diesel)	9.8	9.8	1,400	<50 *
TPH (Motor Oil)	<5.0	<5.0	Not Analyzed	Not Analyzed
Oil and Grease	< 50	<50	Not Analyzed	Not Analyzed
Benzene	< 0.005	<0.005	5.7	< 0.5 *
Toluene	< 0.005	<0.005	3.0	< 0.5 *
Ethylbenzene	< 0.005	<0.005	5.2	< 0.5 *
Xylenes	0.17	0.17	4.0	< 0.5 *
Heavy Metals (Cd, Cr, Pb, Ni, Zn)	41 <sup>1</sup>	41 <sup>1</sup>	Not Analyzed	Not Analyzed
MTBE	<1.0 <sup>2</sup>	< 1.0 <sup>2</sup>	5.7 <sup>3</sup>	<0.5 <sup>4</sup>
Other (8260/8240/8270)	<0.005 <sup>5</sup>	<0.005 <sup>5</sup>	<0.5 <sup>5</sup>	<0.5 <sup>5</sup>

\* Based on multiple well sampling events.

<sup>1</sup> Cd = <0.5 mg/kg, Cr = 26 mg/kg, Pb = 6 mg/kg, Ni = 40 mg/kg, Zn = 41 mg/kg

<sup>2</sup> MTBE < 1.0 mg/kg; cis-1,2 DCE and EDC < 0.005 mg/kg

<sup>3</sup> MTBE 5.7 µg/l and 1,2-DCA 5.1 µg/l

<sup>4</sup> MTBE, TAME, DIPE, ETBE, and EDB < 0.5 µg/l, TBA <5.0 µg/l

<sup>5</sup> All non-detectable at listed reporting limit.

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

The property at 1240 Powell Street is currently developed as an office space. Surrounding properties are commercial along Powell street and residential in the surrounding areas. Near surface soils consist of clays with varying amounts of sands and gravel to a depth of 10 to 14 feet below ground surface (fbgs), underlain by a layer of stiff clay with less gravel. Under the clays is a clay-rich sand beginning at 14 to 16 fbgs.

A 4,000 gallon gasoline tank and piping were removed from the property on November 22, 1991. There were no holes or evidence of corrosion on the underground storage tank (UST). There was also no overspill protection devices associated with the UST. Two soil samples were collected from the east and west walls of the tank excavation at approximately nine fbgs. A four-point composite sample was also collected from the soil stockpiled on site. Analytical results of the soil samples revealed that there was no TPHg, benzene, toluene, ethylbenzene, or xylenes (BTEX). Lead was detected in the soil sample from the eastern wall of the excavation and in the stockpile sample at concentrations of 5.5 milligrams per kilogram (mg/kg) and 4.96 mg/kg, respectively. The soil was utilized to partially backfill the UST excavation.

A Phase I Environmental Site Assessment (ESA) was subsequently performed in December 2001. Investigation of past uses of the property revealed that the site was a gasoline service station from the late 1950s through 1974. The site previously had two 6,000 gallon fuel USTs, one 2,000 gallon fuel UST, one 550 gallon waste oil UST, and one 10,000 gallon fuel UST. One of the 6,000 gallon USTs was replaced in 1969 with the 10,000 gallon UST. Otherwise, all remaining USTs were removed in 1974 when the gasoline station was demolished. The 4,000 gallon UST, installed after 1974, was removed in November 1991, and had been used to fuel delivery trucks. Based on a lack of soil sampling data (except for the 4,000 gallon UST) the ESA indicated that a potential for petroleum contamination existed at the site.

Eight soil borings (SB-1 through SB-8) were advanced on February 7, 2002 to determine if the site had been impacted with petroleum hydrocarbons from past use of onsite USTs. The soil borings were advanced to depths between 12 and 20 fbs, depending on where saturated soils were encountered. Groundwater was encountered in all borings except SB-7 at depths between 6 and 17 fbs. TPHg and TPHd were only detected in soil sample SB-1 8' at concentrations of 47 mg/kg and 5.8 mg/kg, respectively. No BTEX, oil and grease, or VOCs were detected in any soil sample. The grab groundwater samples contained maximum concentrations of 1,400 micrograms per liter ( $\mu\text{g/l}$ ) TPHg, 1,400  $\mu\text{g/l}$  TPHd, 5.7  $\mu\text{g/l}$  methyl tertiary butyl ether, 5.7  $\mu\text{g/l}$  benzene, 3.0  $\mu\text{g/l}$  toluene, 5.2  $\mu\text{g/l}$  ethylbenzene, 4.0  $\mu\text{g/l}$  xylenes, and 5.1  $\mu\text{g/l}$  1,2-Dichloroethane (1,2-DCA). Please note that the associated report does not contain the laboratory analytical report and these data cannot be otherwise verified.

On August 2, 2002, three soil borings were advanced and converted to 20 foot deep groundwater monitoring wells (MW-1 through MW-3). Soil samples were collected at approximately every five feet in each boring. Groundwater samples were collected from the wells after development; there were no detectable hydrocarbons (TPHg, TPHd, BTEX, or MTBE) in any of the soil samples. TPHd was detected in the groundwater samples collected from MW-2 and MW-3 at concentrations of 81 and 130  $\mu\text{g/l}$ , respectively. No TPHg or BTEX was detected in any groundwater samples. No detectable concentrations of VOCs were detected. MTBE was detected in well MW-2, at a concentration of 5.1  $\mu\text{g/l}$ . Please note that the associated report contains a laboratory analytical report from a later October 27, 2004 groundwater monitoring event, and these reported analytical data cannot be otherwise verified.

On April 14, 2010, two soil borings were advanced to investigate the site. Soil bore B-1 was installed downgradient of well MW-1 and several former UST locations to investigate the depth of groundwater and to determine if the well screen intervals were appropriate to evaluate dissolved phase groundwater contamination beneath the site. Groundwater was reported to not have been encountered to a depth of 16 fbs; however, indications of the presence of shallow groundwater were present. Soil bore B-2 was installed in the vicinity of the former waste oil UST to evaluate waste oil contaminants beneath the site. Groundwater was again not encountered to a depth of 16 fbs. Soil samples were collected from bores B-1 and B-2 at the depths of 9 and 8 fbs, respectively, based on the depth of groundwater in the closest well to the soil bore locations. A concentration of 59 mg/kg TPHg, and 9.8 mg/kg TPHd, and 0.17 mg/kg total xylenes were detected in soil bore B-1. Additionally several Semi-Volatile Compounds (SVOCs) were detected in soil bore B-1. TPH as motor oil, Oil and Grease, VOCs, PCBs, and Semi-Volatile Compounds (SVOCs) were non-detectable in B-2. No SVOCs were detected in B-2. The detected SVOC compounds (n-butyl benzene [0.47 mg/kg], sec-butyl benzene [0.28 mg/kg], and n-propyl benzene [0.44] mg/kg) do not have an associated RWQCB Environmental Screening Level (ESL); however, a brief risk assessment was conducted using conservative assumptions. A Hazard Index (HI) of 0.000016 was calculated, and no apparent risk is therefore presumed.

Groundwater monitoring has been conducted in the three monitoring wells on four dates between 2002 and 2009. Total petroleum hydrocarbons as gasoline (TPHg) and total petroleum hydrocarbons as diesel (TPHd) have both historically been detected at a maximum concentration of 1,400  $\mu\text{g/l}$  in a grab groundwater sample collected from SB-2 near the southeast corner of the site. As of the most recent monitoring event, 1,2-dichloroethane (1,2-DCA) is the only remaining contaminant, detected in monitoring wells MW-2 and MW-3 at concentrations of 4.8 and 4.0  $\mu\text{g/l}$ , respectively.

**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, closure of this site appears to be consistent with the policies established by the SWRCB LTCP which became effective on August 17, 2012.		
<p>Site Management Requirements:                  This fuel leak case has been evaluated for closure consistent with the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Based on this evaluation, no site management requirements appear to be necessary.</p> <p>Excavation or construction activities in areas of residual or potential residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.</p>		
Should corrective action be reviewed if land use changes? Yes		
Was a deed restriction or deed notification filed? No		Date Recorded: ---
Monitoring Wells Decommissioned: No	Number Decommissioned: 0	Number Retained: 3
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: None		

**V. ADDITIONAL COMMENTS, DATA, ETC.**


<p>Considerations and/or Variances:</p> <p>The site meets the general criteria for case closure under the LTCP.</p> <p>The site meets the groundwater media-specific criteria 1.2 for closure under the LTCP based on the following:</p> <ol style="list-style-type: none"> <li>1. The plume is less than 250 feet in length.</li> <li>2. There is no free product.</li> <li>3. No water supply wells or surface water bodies are within 1,000 feet of the plume boundary.</li> <li>4. The dissolved benzene and MTBE concentrations are &lt;3,000 and &lt;1,000 µg/l, respectively.</li> </ol> <p>The site appears to meet the numerical media-specific criteria 2ai in the LTCP for petroleum vapor intrusion to indoor air (without a bioattenuation zone) for the following reasons:</p> <ol style="list-style-type: none"> <li>1. For a bioattenuation zone without oxygen measurements, the benzene concentration is &lt;100 µg/l and TPH appears to be less than 100 mg/kg within the upper five feet of soil. This is based on the lack of detectable concentrations and lack of indications of contamination (odor, staining, etc.) in the depth interval.</li> <li>2. The maximum concentration of benzene in groundwater during the most recent groundwater monitoring event was &lt;0.5 µg/l.</li> </ol> <p>The site appears to meet the numerical media-specific criteria in the LTCP for direct contact and outdoor air exposure for the following reasons:</p> <ol style="list-style-type: none"> <li>1. The maximum concentrations of benzene and ethylbenzene detected in soil samples collected to date within the upper 10 feet are less than the media-specific criteria in Table 1 of the LTCP for direct contact and outdoor air exposure. Since the release at the site consisted primarily of gasoline, naphthalene concentrations are not likely to exceed the media-specific criteria in Table 1 of the LTCP. Therefore, the site appears to meet the media-specific criteria for direct contact and outdoor air exposure under the LTCP.</li> </ol>
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- One 6,000-gallon UST was removed and replaced by the 10,000-gallon UST in 1969, and one 6,000-gallon, one 10,000-gallon, one 2,000-gallon, and one 550-gallon USTs were removed from the site in 1974 prior to environmental regulations; there are no removal records associated with these actions. Subsequent soil bores have been installed very close; however, except for SB-5 (SB-5-6; one of the 6,000-gallon UST locations) the soil bores have not successfully sampled and analyzed soil samples from tank backfill materials. Consequently the chemical nature (or physical nature) of the contents of the former tank locations has not been determined. Because groundwater contamination appears to be limited, it appears the potential for contamination is limited, or at a minimum, residual soil contamination is not significantly affecting groundwater quality beneath the site.
- Characterization of soil beneath the former location of the dispenser islands under the office building has not been investigated; however, because groundwater contamination appears to be limited, it appears the potential for contamination is limited, or at a minimum, residual soil contamination is not significantly affecting groundwater quality beneath the site.
- A copy of soil bore SB-8 has not been submitted.
- A copy of the analytical soil and grab groundwater report associated with the installation soil bores SB-1 to SB-8 has not been submitted.
- A copy of the analytical soil and groundwater report associated with the installation of wells MW-1 to MW-3 has not been submitted.

**Conclusion:**

Alameda County Environmental Health staff believes that the site meets the commercial criteria for case closure under the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy. Based upon the information available in our files to date, no further investigation or cleanup for the fuel leak case appears necessary at this time. ACEH staff recommends closure for this site.

**VI. LOCAL AGENCY REPRESENTATIVE DATA**

Prepared by: Mark Detterman, P.G.	Title: Senior Hazardous Materials Specialist
Signature: 	Date: 4/10/2013
Approved by: Donna L. Drogos, P.E.	Title: Division Chief
Signature: 	Date: 4/10/13


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: Cherie McCaulou	Title: Engineering Geologist
Notification Date: 4/11/2013	



**VIII. MONITORING WELL DECOMMISSIONING**

Date Requested by ACEH:	Date of Well Decommissioning Report: ---	
All Monitoring Wells Decommissioned: No	Number Decommissioned: 3	Number Retained: 0
Reason Wells Retained: NA		
Additional requirements for submittal of groundwater data from retained wells: NA		
ACEH Concurrence - Signature: 	Date: 6/28/2013	

Attachments:

1. Site Vicinity Map and surrounding buildings (2 pp)
2. Site Plans (3 pp)
3. Soil Analytical Data (2 pp)
4. Groundwater Elevation and Analytical Data (3 pp)
5. Boring Logs (12 pp)

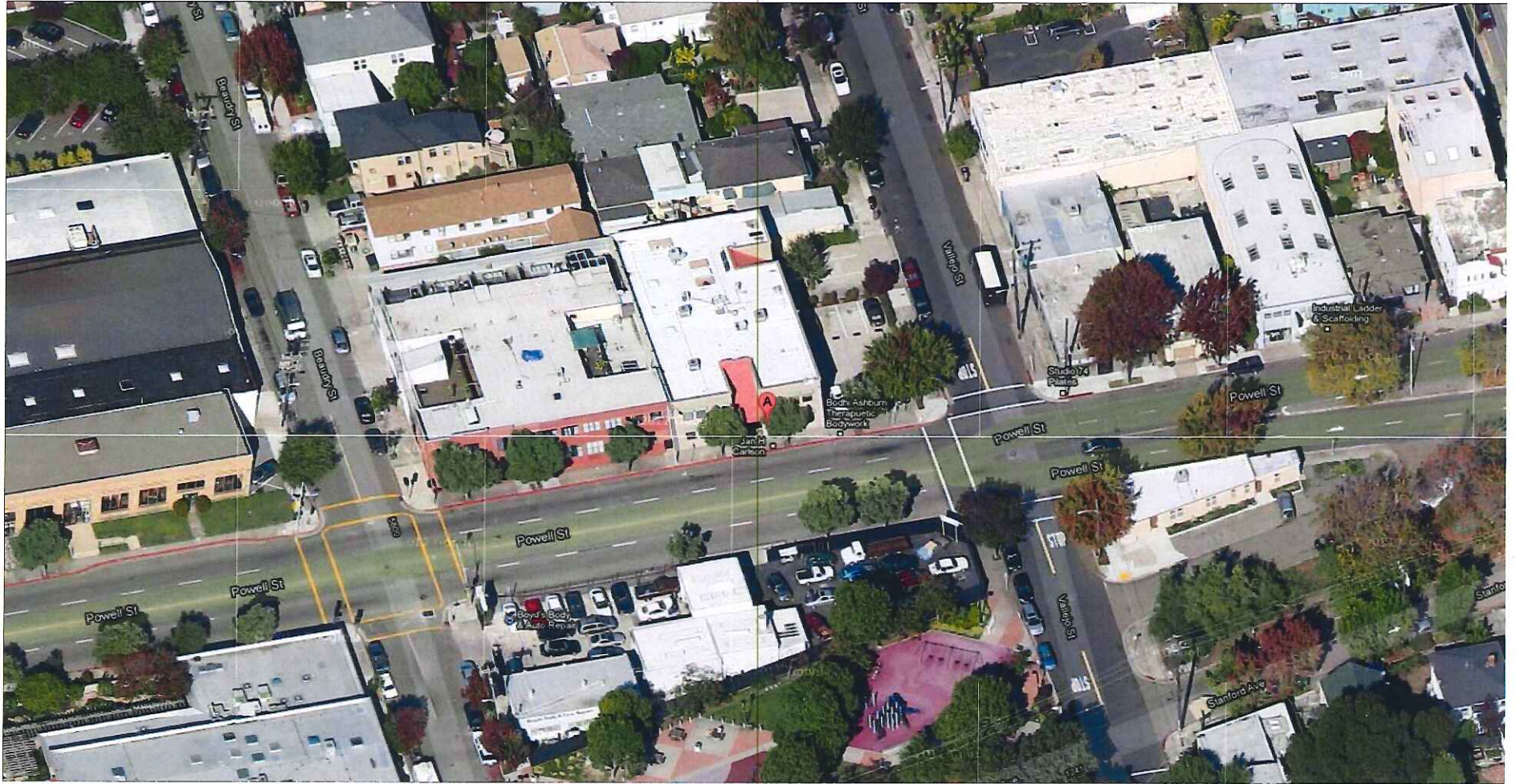
This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.

# ATTACHMENT 1

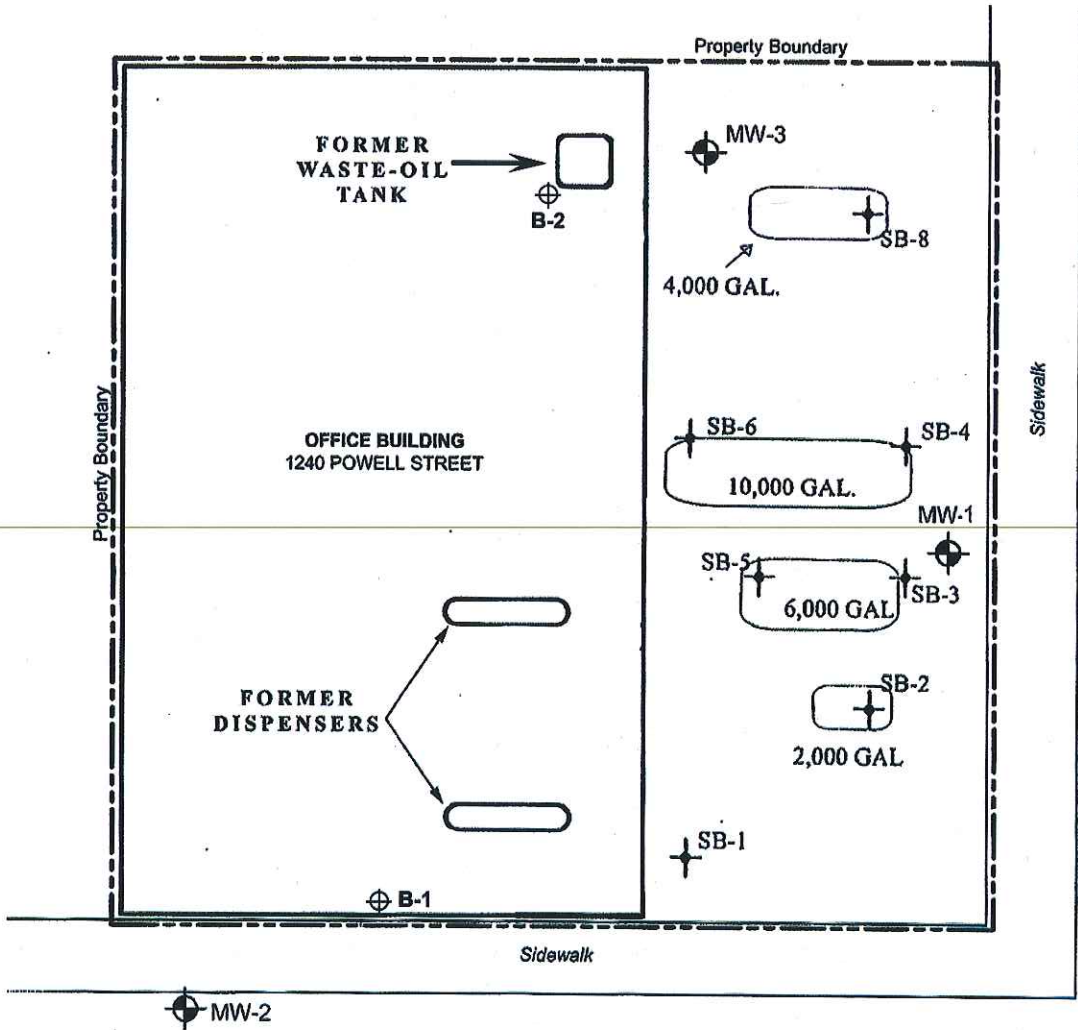


SOURCE: USGS Map 7.5 Min Series (Topographic) BERKELEY QUAD, California, Terraserver.




SCALE IN FEET

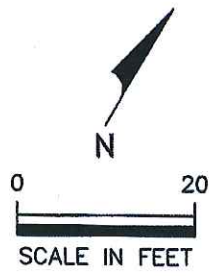


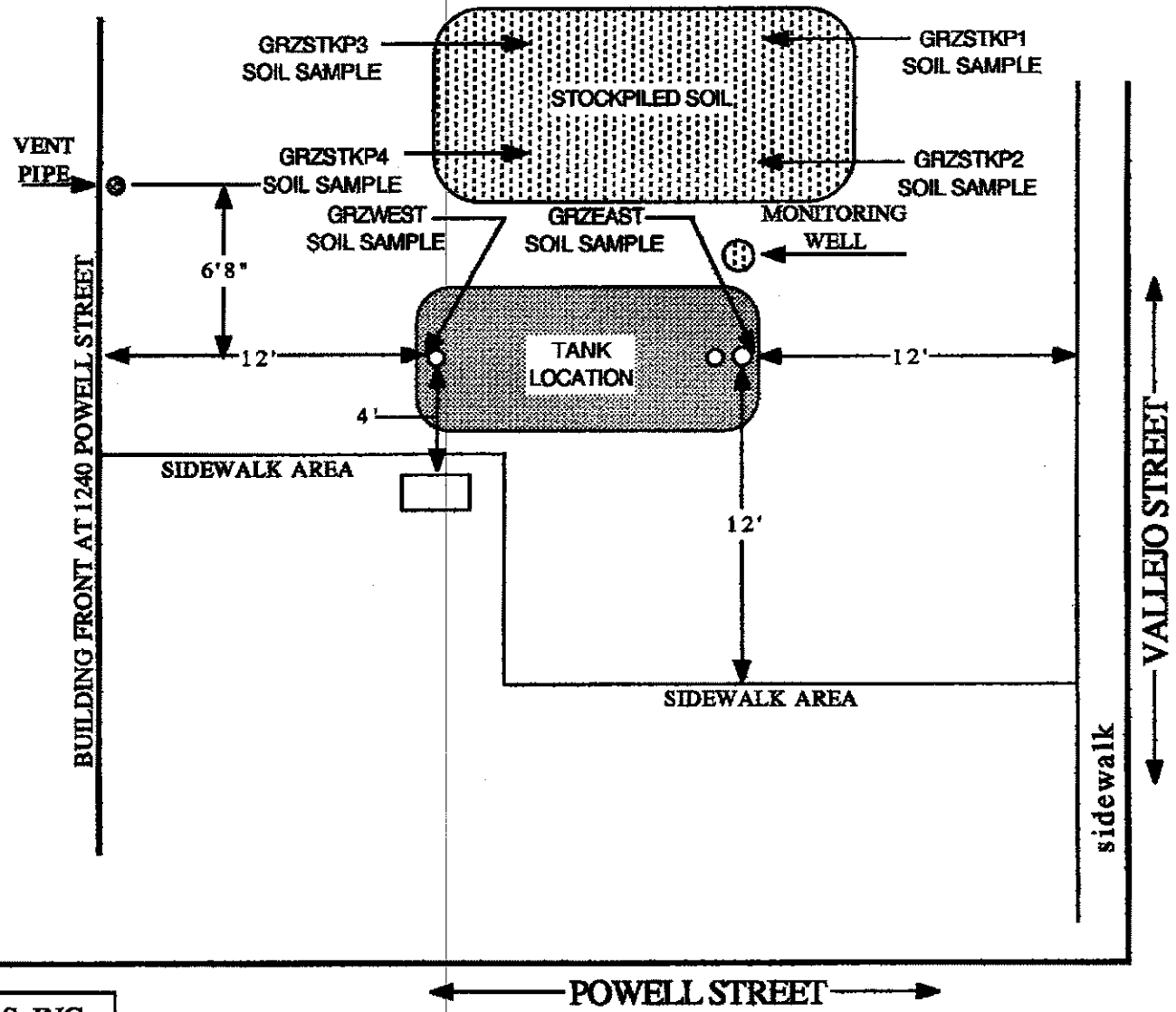
# ATTACHMENT 2



BASED ON ENVIRON WELL LOCATION MAP 52R2008 & AEI CONSULTANTS MAPS

-  MONITORING WELL LOCATION  
MW-1
-  HISTORICAL SOIL BORING LOCATIONS  
SB-1
-  APRIL 14, 2010 SOIL BORING LOCATIONS  
B-1



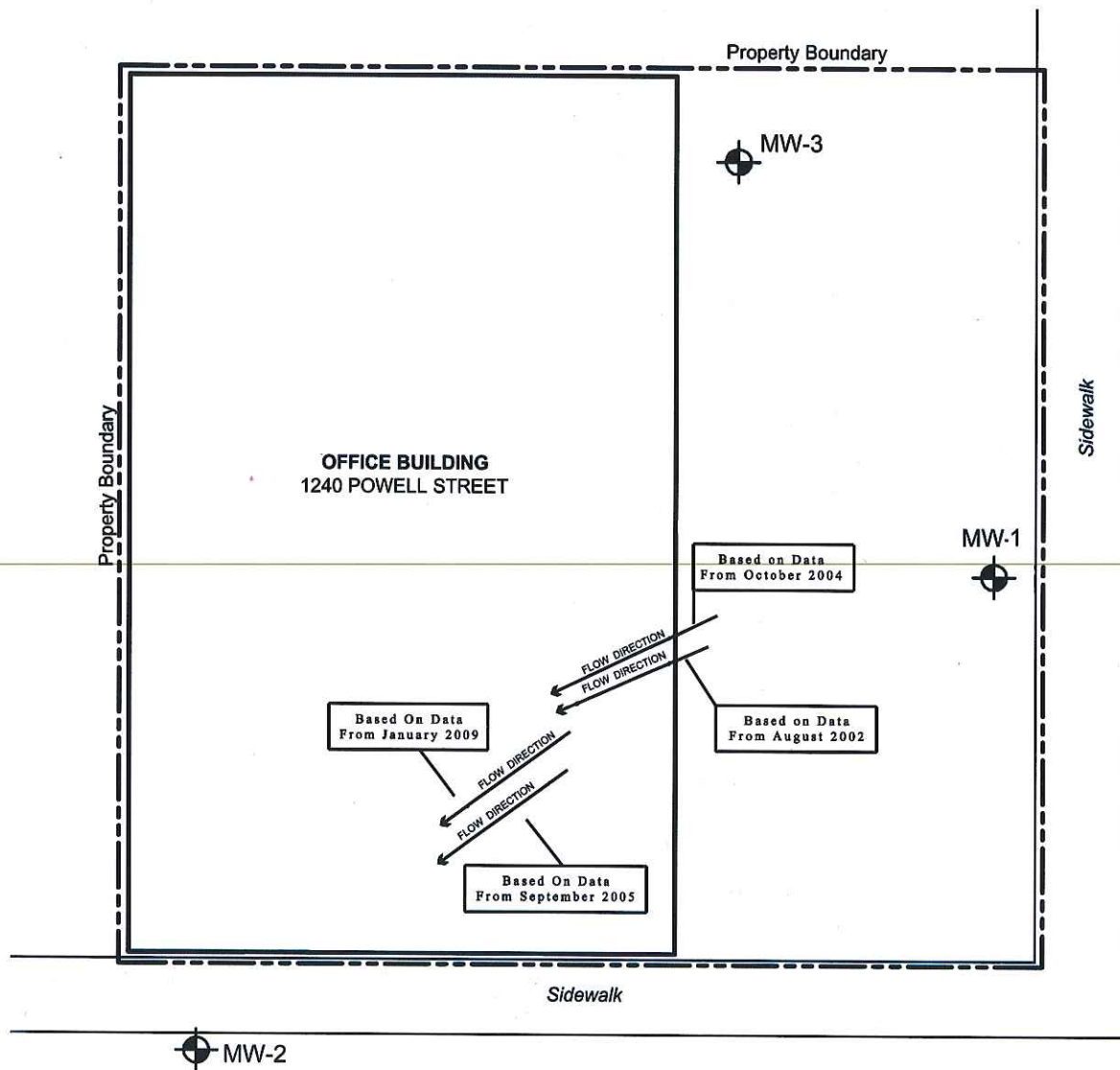


AQUA SCIENCE ENGINEERS, INC.  
 PLOTPLAN FOR UST REMOVAL  
 at  
 GARZA & ASSOCIATES  
 1240 Powell St., Emeryville  
 —figure one—



NO SCALE

□ = DISPENSER



BASED ON ENVIRON WELL LOCATION MAP 5/28/2008 & AEI CONSULTANTS MAPS

MONITORING WELL LOCATION  
MW-1

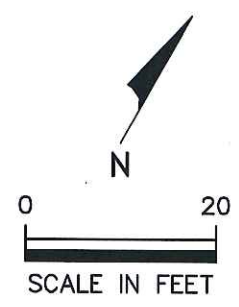


Table 2. Historical Soil Data (mg/kg)

Sample ID	Date	Depth (feet)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	TPH Oil and Grease	TPH Motor Oil SW8015B)	VOCs (8260)	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs	n-Butyl benzene	sec-Butyl benzene	n-Propyl benzene	PAH SW8270C
GRZ West	11/22/1991	9	<1.0	-	<0.005	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRZ East	11/22/1991	9	<1.0	-	<0.005	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRZSTKP1-4	11/22/1991	††	<1.0	-	<0.005	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB-1	02/07/2002	8	47	5.8	<0.05	<0.05	<0.05	<0.05	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB-3	02/07/2002	4	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB-4	02/07/2002	8	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB-5	02/07/2002	6	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB-6	02/07/2002	8	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB-7	02/07/2002	8	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB-7	02/07/2002	12	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SB-7	02/07/2002	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	-	-	<0.005*	-	-	-	-	-	-	-	-	-	-	-	-
SB-8	02/07/2002	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/13/2002	11	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/13/2002	11	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/13/2002	11	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	04/14/2010	9	59	9.8	<0.10	<0.10	<0.10	0.17	<1.0	-	<5.0	-	-	-	-	-	-	-	-	-	0.47	0.28	0.44	-
B-2	04/14/2010	8	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	<50	<5.0	<0.005*	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005

Notes:  
 - The dash indicates the sample was not analyzed.  
 †† This soil sample was a four point composite of the stockpiled soil resulting from the excavation.  
 \* Reporting limit varied with chemical.  
 \*\* Elevated reporting limits were due to matrix interference requiring a dilution factor of 20.  
 Reporting limit indicated is the method detection limit (MDL).

**Table 3. Metals Soil Data (mg/kg)**

Sample ID	Date	Depth (feet)	Cadmium	Chromium	Lead	Nickel	Zinc
GRZ West	11/22/1991	9	-	-	<0.5	-	-
GRZ East	11/22/1991	9	-	-	5.50	-	-
GRZSTKP1-4	11/22/1991	††	-	-	4.96	-	-
SB-7	02/07/2002	12	<0.5	26	5.7	40	41
B-2	04/14/2010	8	<1.5	34	<5.0	27	43

Notes: †† This soil sample was a four point composite of the stockpiled soil resulting from the excavation.



# ATTACHMENT 4

**Table 4. Groundwater Elevation Data**

Location	Date Sampled	Depth to Water (feet, TOC)	Top of Casing* (feet)	Groundwater Elevation (feet)
MW-1	08/13/2002	7.69	28.17	20.48
	10/27/2004	6.29	28.17	21.88
	09/20/2005	7.25	28.17	20.92
	01/08/2009	7.29	28.17	20.88
MW-2	08/13/2002	8.58	26.17	17.59
	10/27/2004	8.06	26.17	18.11
	09/20/2005	8.52	26.17	17.65
	01/08/2009	8.19	26.17	17.98
MW-3	08/13/2002	8.28	28.62	20.34
	10/27/2004	7.24	28.62	21.38
	09/20/2005	8.53	28.62	20.09
	01/08/2009	8.1	28.62	20.52

Note: TOC - Top of well casing.

\* Surveyed in as feet above mean sea level.

**Table 1. Historical Groundwater Data (ug/L)**

Sample ID	Date	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	1,2-DCA
SB-1W	02/07/2002	<b>320</b>	<b>230</b>	<0.5	<0.5	<b>5.2</b>	<b>3.3</b>	<5.0	-
SB-2W	02/07/2002	<b>1400</b>	<b>1400</b>	<b>5.7</b>	<b>3.0</b>	<b>3.3</b>	<b>4.0</b>	<5.0	-
SB-3W	02/07/2002	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5	<b>5.7</b>	-
SB-4W	02/07/2002	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5	<5.0	-
SB-5W	02/07/2002	<b>71</b>	<b>200</b>	<0.5	<b>1.5</b>	<0.5	<0.5	<5.0	-
SB-6W	02/07/2002	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5	<5.0	-
SB-8W	02/07/2002	<5.0	<b>580</b>	<0.5	<0.5	<0.5	<0.5	<5.0	-
MW-1	08/13/2002	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5
MW-1	10/27/2004	<50	<50	<0.5	<0.5	<0.5	<0.5	<b>0.71</b>	<0.5
MW-1	09/20/2005	<50	<50	<0.5	<0.5	<0.5	<0.5	<b>0.64</b>	<0.5
MW-1	01/08/2009	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-2	08/13/2002	<50	<b>81</b>	<0.5	<0.5	<0.5	<0.5	<5.0	<b>5.1</b>
MW-2	10/27/2004	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<b>4.2</b>
MW-2	09/20/2005	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<b>3.9</b>
MW-2	01/08/2009	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<b>4.8</b>
MW-3	08/13/2002	<50	<b>130</b>	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5
MW-3	10/27/2004	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3	09/20/2005	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3	01/08/2009	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3-Dup	10/27/2004	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-2-Dup	09/20/2005	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<b>4.0</b>
MW-2-Dup	01/08/2009	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<b>3.3</b>

Note: SB-1 through SB-8 were grab groundwater samples.  
 SB-1 through SB-8 non-detected compounds were reported as the method detection limit (MDL).  
 "-" Indicates not analyzed.  
 MW-Dup for the 12/27/2004 sampling was collected at MW-3.  
 MW-Dup for the 09/20/2005 sampling was collected at MW-2.  
 MW-Dup for the 01/08/09 sampling was collected at MW-2.



# McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560  
 Telephone : 925-798-1620 Fax : 925-798-1622  
 Website: www.mcccampbell.com E-mail: main@mcccampbell.com

Soma Corporation 1412 62nd Street Emeryville, CA 94608	Client Project ID: 1240 Powell Street	Date Sampled: 10/27/04
		Date Received: 10/28/04
	Client Contact: Estelle Shiroma	Date Extracted: 10/29/04-11/01/04
	Client P.O.:	Date Analyzed: 10/29/04-11/01/04

### Volatile Organics by P&T and GC/MS (Basic Target List)\*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0410425

Lab ID	0410425-002B
Client ID	MW-2
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	5.0	Acrolein (Propenal)	ND	1.0	5.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	4.2	1.0	0.5
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0	0.5
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0	0.5
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	ND	1.0	0.5
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride	ND	1.0	0.5
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	Naphthalene	ND	1.0	0.5
Nitrobenzene	ND	1.0	10	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,1,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

#### Surrogate Recoveries (%)

%SS1:	97.0	%SS2:	103
%SS3:	118		

#### Comments:

\* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil / sludge / solid samples in µg/kg, wipe samples in µg/wipe, product / oil / non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

# surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content; m) the concentration for this compound was above our upper calibration standard and is reported as an estimated value. This data was requested 3 weeks after initial analysis thereby precluding re-analysis at the correct dilution.

# ATTACHMENT 5

Project No: 4885

Sheet: 1 of 1

Project Name: WFB, EMERYVILLE

## Log of Borehole: SB-1

Client: WELLS FARGO

Location:

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks	
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery			
0			Ground Surface							
2			<b>CLAY</b> Sand and gravelly clay, clasts up to 1 cm, orange / brown							No hydrocarbon (HC) odor
4		CL	Color change to olive/green						Strong odor, staining	
8				SB-1 8'	SS					
10									Water at 10' after 10 min	
12									Low soil recovery 8-12	
14					Increasing plasticity					HC odor Saturated
16					Clast supported locally					
18					Clay with fine sand, plastic	SB-1 17'	SS			
20					End of Borehole					

Drill Date 2/7/02

Reviewed by: EW

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3210 Old Tunnel Road, Suite B  
Lafayette, CA 94549  
(925) 283-6000

Drill Method: DIRECT PUSH

Logged by: PJM

Total Depth: 20

Depth to Water: 10.8 (static)

Project No: 4885



Sheet: 1 of 1

Project Name: WFB, EMERYVILLE

**Log of Borehole: SB-2**

Client: WELLS FARGO

Location:

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0		CL	Ground Surface						
2			CLAY Sand and gravelly clay, clasts up to 1 cm, orange / brown						
4		SP						Very low soil recovery 4-8	
6									
8			SAND Fine to medium sand, fill material?					Diesel? odor	
10								Soils saturated	
12			End of Borehole						
14									
16									
18									
20									

Drill Date 2/7/02

Reviewed by: EW

Drill Method: DIRECT PUSH

Logged by: PJM

Total Depth: 12

Depth to Water: 5.2 (static)

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Project No: 4885

Sheet: 1 of 1

Project Name: WFB, EMERYVILLE

**Log of Borehole: SB-3**

Client: WELLS FARGO

Location:

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0		SW	Ground Surface						
2			<b>SAND</b> Well graded sand and gravels, minor clay						
4		CL		SB-3 4'	SS			No HC odor	
6			<b>CLAY</b> Clay with well graded sand, moderately plastic					Water level after sampling	
8		CL							
10			<b>CLAY</b> Clay with well graded sand, moderately plastic	SB-3 10'	SS				
12		SP							
14			<b>SAND</b> Very fine to medium sand, few fines, saturated						
16			End of Borehole					Low recovery 12-16	
18									
20									

Drill Date 2/7/02

Reviewed by: EW

Drill Method: DIRECT PUSH

Logged by: PJM

Total Depth: 16

Depth to Water: 5.75 (static)

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Project No: 4885


Sheet: 1 of 1

Project Name: WFB, EMERYVILLE

**Log of Borehole: SB-4**

Client: WELLS FARGO

Location:

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks		
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery				
0		CL	Ground Surface								
2											
4										No HC odor	
6					CLAY Sandy and gravelly clay	SB-4 5'	SS				
8						SB-4 8'	SS				Soils saturated?
10											* Slow water recharge
12					End of Borehole						
14											
16											
18											
20											

Drill Date 2/7/02

Reviewed by: EW

Drill Method: DIRECT PUSH

Logged by: PJM

Total Depth: 12

Depth to Water: 10.5

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Project No: 4885



Sheet: 1 of 1

Project Name: WFB, EMERYVILLE

**Log of Borehole: SB-5**

Client: WELLS FARGO

Location:

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0			Ground Surface						
2		CL	<b>CLAY</b> Sandy and gravelly clay						
4		SP	<b>SAND</b> Fine to medium sand, clean	SB-5 4'	SS				No HC odor
6				SB-5 6'	SS				HC odor?
8			Sands with gravel and clay					*	Saturated
10		SW							
12			End of Borehole						
14									
16									
18									
20									

Drill Date 2/7/02

Reviewed by: EW

Drill Method: DIRECT PUSH

Logged by: PJM

Total Depth: 12

Depth to Water: 7

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Project No: 4885

Sheet: 1 of 1

Project Name: WFB, EMERYVILLE

**Log of Borehole: SB-6**

Client: WELLS FARGO

Location:

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0	[Hatched Pattern]		Ground Surface						
2			CLAY Sandy and gravelly clay						
4									
6				SB-6 6'	SS				No HC odor
8		CL	Stiff clay, sand, gravel locally						
10				SB-6 9'	SS				Saturated
12									Slow recharge
14			Sandy / gravelly clay						
16			End of Borehole						
18									
20									

Drill Date 2/7/02

Reviewed by: EW

Drill Method: DIRECT PUSH

Logged by: PJM

Total Depth: 16

Depth to Water: 8

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Project No: 4885

Sheet: 1 of 1

Project Name: WFB, EMERYVILLE

**Log of Borehole: SB-7**

Client: WELLS FARGO

Location:

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0		CL	Ground Surface						
2			CLAY Stiff clay with minor sand and gravel						No HC odor
4									
6			Some gravel (<10%) Moderately plastic	SB-7 5'	SS				
8									No HC odor
10									
12			Stiff sandy clay	SB-7 8'	SS				
14									Dark coloration, staining?
16			Stiff gravelly, sandy clay	SB-7 12'	SS				
18									Dry
20			End of Borehole	SB-7 15'	SS				

Drill Date 2/7/02

Reviewed by: EW

Drill Method: DIRECT PUSH

Logged by: PJM

Total Depth: 16

Depth to Water: NA

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Project No: 5272



Sheet: 1 of 1

Project Name: POWELL ST., EMERYVILLE

**Log of Borehole: MW-1**

Client: WELLS FARGO

Location:

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0			Ground Surface						
2									
4									
6				MW-1 5.5'	SS	31	75		PID = <1.0
8		CL	<b>CLAY</b> Clay with sand and gravel up to 3 cm (30%), stiff, brown						
10				MW-1 11'	SS	15	80		PID = 0.3
12									
14			gravels decrease to 5%						
16					SS	13	0		Saturated soils, no recovery
18		SC	<b>SAND</b> Interbedded sand and clay, sand clay mixtures, saturated						
20					SS	15	NA		10' 0.020 2" screen to TD # 2/18 Monterey sand to 8'
22			End of Borehole						

Drill Date 8/2/02

Reviewed by: JPD

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(925) 283-6000

Drill Method: HSA

Logged by: NG / PJM

Total Depth: 20

Depth to Water: 15' (during drilling)

Project No: 5272

Sheet: 1 of 1

Project Name: Powell Street, Emeryville

**Log of Borehole: MW-2**

Client: WFB

Location:

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0	[Diagonal Hatching]	CL	Ground Surface						Traffic rated well box / locking cap
2			CLAY Clay with sand and gravel up to 3 cm (30%), stiff, brown						
6				MW-2 6'	SS	22	80		PID = <1.0
8									Gray, stained soil. Moderate HC odor
10			gravels decrease to 5%						PID = <1.0
11				MW-2 11'	SS	17	70		
14									
16		SC	SAND Interbedded sand and clay, sand clay mixtures, saturated		SS	19	100		Saturated soils, no recovery
18									10' 0.020 2" screen to TD
20					SS	15	NA		# 2/16 Monterey sand to 8'
20			End of Borehole						
22									

Drill Date 8/2/02

Reviewed by: JD

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(925) 283-8000

Drill Method: HSA

Logged by: NG / PJM

Total Depth: 20

Depth to Water: 15 during drilling

Project No: 5272

Sheet: 1 of 1

Project Name: Powell Street, Emeryville

**Log of Borehole: MW-3**

Client: WFB

Location:

Depth	USCS		Subsurface Description	Sample Data				Well Data	Remarks
	Symbol	Label		Sample Label	Type	Blow/ft	Recovery		
0	[Diagonal Hatching]	CL	Ground Surface					Traffic rated well box / locking cap	
2			CLAY Clay with sand and gravel up to 3 cm (35%), stiff, brown						PID = <1.0
6				MW-3 6'	SS	19	60		
10			gravels decrease to 5%					PID = <1.0	
11				MW-3 11'	SS	18	60		
14									
16	[Cross-hatching]	SC	SAND Interbedded sand and clay, sand clay mixtures, saturated	MW-3 16'	SS	12	100		
18									10' 0.020 2" screen to TD # 2/16 Monterey sand to 8'
20			End of Borehole					Saturated soils, no recovery	
22									

Drill Date 8/2/02

Drill Method: HSA


Total Depth: 20

Depth to Water: 20 during drilling

Reviewed by: JD

Logged by: NG / PJM

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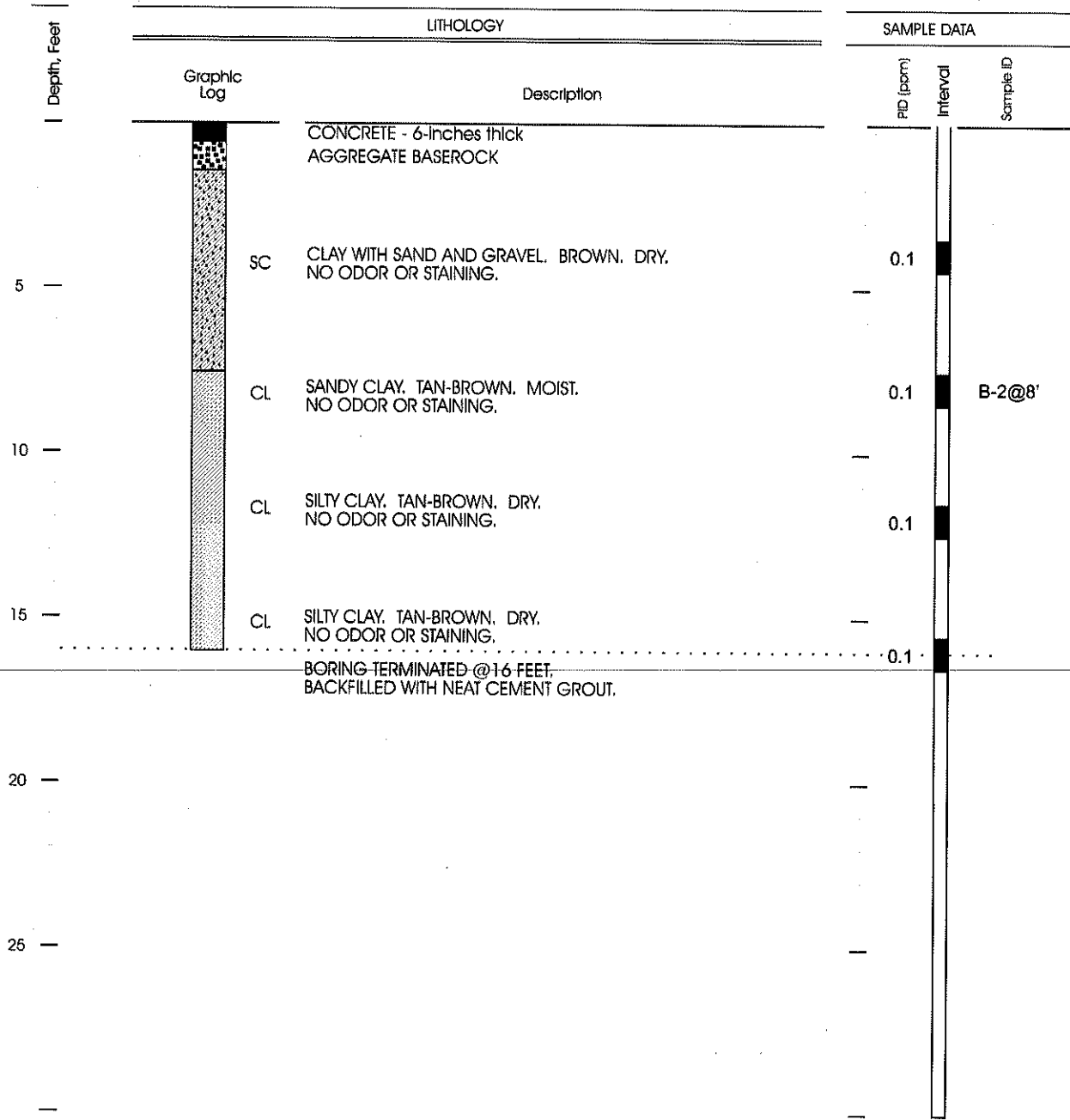
Depth, Feet	LITHOLOGY		SAMPLE DATA		
	Graphic Log	Description	PID (ppm)	Interval	Sample ID
		CONCRETE - 5-inches thick AGGREGATE BASEROCK			
		SC CLAY WITH SAND AND GRAVEL. BROWN. DRY. NO ODOR OR STAINING.	0.1		
5		SC CLAY WITH SAND AND GRAVEL. BROWN. DRY. NO ODOR OR STAINING.	0.1		B-1@6'
10		CL SANDY CLAY. TAN-BROWN TO LIGHT GREY. MOIST. SLIGHT HYDROCARBON ODOR.	12.3		B-1@9'
		CL SILTY CLAY. TAN-BROWN. DRY. NO ODOR OR STAINING.	0.2		B-1@12'
15		CL SILTY CLAY. TAN-BROWN. DRY. NO ODOR OR STAINING.			
		BORING TERMINATED @16 FEET. BACKFILLED WITH NEAT CEMENT GROUT.	0.1		B-1@16'
20					
25					

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FIELD & LITHOLOGIC LOG  
FOR SOIL BORING B-1  
1240 POWELL STREET, EMERYVILLE, CA

FIGURE 4



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FIELD & LITHOLOGIC LOG  
FOR SOIL BORING B-2  
1240 POWELL STREET, EMERYVILLE, CA

FIGURE 5