ALEX BRISCOE, Director



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

June 26, 2014

Athan Magganas Bruder, LLC 2550 Appain Way, #201 Pinole, CA 94564

Sent via E-mail to: magganas@prodigy.net

Ali Reza Khashabi 4220 Clayton Road Clayton, CA 94520

Subject:

Case Closure for Fuel Leak Case No. RO3066 and GeoTracker Global ID T10000002456, Gas Station/East Bay Smog Center & Auto Repair, 6501 Shattuck Avenue, Oakland, CA 94609

#### Dear Gentlemen:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25296.10[g]). 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. This case closure letter and the case closure summary be viewed on the State Water Resources Control Board's Geotracker website (http://geotracker.waterboards.ca.gov) and the Alameda County Environmental Health website (http://www.acgov.org/aceh/index.htm).

If you have any questions, please call Karel Detterman at (510) 567-6708. Thank you.

Sincerely.

Dilan Roe, P.E.

LOP and SCP Program Manager

Enclosures:

1. Remedial Action Completion Certification

Case Closure Summary

cc with enclosures:

Ann Clevenger, Planner III, City of Oakland Planning and Building Department, 250 Frank H. Ogawa Plaza, Suite 2114, Oakland, CA 94612 (sent via e-mail to: <a href="mailto:aclevenger@oaklandnet.com">aclevenger@oaklandnet.com</a>)

Mansour Sepehr, SOMA Environmental Engineering, Inc., 6620 Owens Drive, Pleasanton, CA 94588 (sent via e-mail to: <a href="mailto:msepehr@somaenv.com">msepehr@somaenv.com</a>)

Dilan Roe, ACEH, (sent via e-mail to: <a href="mailto:dilan.roe@acgov.org">dilan.roe@acgov.org</a>)
Karel Detterman (sent via electronic mail to: <a href="mailto:karel.detterman@acgov.org">karel.detterman@acgov.org</a>
eFile, 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

#### REMEDIAL ACTION COMPLETION CERTIFICATION

June 26, 2014

Athan Magganas Bruder, LLC 2550 Appain Way, #201 Pinole, CA 94564

Sent via E-mail to: magganas@prodigy.net

Ali Reza Khashabi 4220 Clayton Road Clayton, CA 94520

Subject:

Case Closure for Fuel Leak Case No. RO3066 and GeoTracker Global ID T10000002456, Gas Station/East Bay Smog Center & Auto Repair, 6501 Shattuck Avenue, Oakland, CA 94609

Dear Gentlemen:

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 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

Please be aware that 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 (g) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

Ariu Levi Director

#### Alameda County Environmental Health

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

#### I. AGENCY INFORMATION

Date: June 26, 2014

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6708
Responsible Staff Person: Karel Detterman	Title: Hazardous Materials Specialist

#### II. CASE INFORMATION

Site Facility Name: East Bay Sn	nog Center and Auto Repair			
Site Facility Address: 6501 Share	ttuck Ave., Oakland, CA			
RB Case No.:	Previous Case STiD No.:	Previous Case STiD No.: LOP Case No.: RO0003066		
GeoTracker ID: T10000002456		APN: 16-1428-11-2		
Current Land Use: Closed auto	repair business, Commercial			
Responsible Parties	Addresses		Phone Numbers	
Bruder LLC	2550 Appian Way, Suite 201, Pino 94564	le, CA	510-520-1482	

This Case Closure Summary along with the Case Closure Transmittal letter and the Remedial Action Completion Certification provides documentation of the case closure. 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. Additional information on the case can be viewed in the online case file. The entire case file can be viewed over the Internet on the Alameda County Environmental Health (ACEH) website (http://www.acgov.org/aceh/lop/ust.htm) or the State California Water Resources Control Board GeoTracker website (http://geotracker.waterboards.ca.gov). Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the ACEH website.

#### III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Release from underground storage tank (UST) system.								
Number of monitoring wells installed: 3	Number of monitoring wells remaining: 0							
Highest Groundwater Depth Below Ground Surface: 2.94 feet bgs	Lowest Depth: 8.60 feet bgs	Flow Direction: Southwest						
Most Sensitive Current Groundwater Use: Potential drinking water source								

Summary of Production Wells in Vicinity: No sensitive receptor survey has been performed for the site. However a sensitive receptor survey conducted for nearby Fuel Leak Case (RO0000078) located at 6407 Telegraph Ave, Oakland indicated one irrigation well was located at 3215 Adeline Street, Berkeley, a distance of approximately 1,300 feet downgradient from subject site. Based on the non-detect contaminant levels, this irrigation well is not expected to be a receptor for the site. No other water supply wells were identified within 2,000 feet of the site.

Are drinking water wells affected? No

Aquifer Name: East Bay Plain

Nearest Surface Water Name: Claremont Creek is located approximately 950 feet upgradient and northeast of the site.

#### LTCP GROUNDWATER SPECIFIC CRITERIA LTCP Groundwater Specific Scenario under which case was closed: Scenario 1 LTCP: LTCP LTCP LTCP Scenario 1 Scenario 2 Site Data Scenario 3 Scenario 4 Criteria (ppb) Criteria (ppb) Criteria (ppb) Criteria (ppb) <1,000 feet <100 feet <100 feet <250 feet <250 feet Plume Length Removed to No free No free maximum No free Free Product No free product product product extent product practicable Stable or Stable or Stable or Plume Stable or decreasing Stable or Stable Decreasing decreasing decreasing for minimum decreasing of 5 Years Distance to Nearest Approximately 1,300 feet >250 feet >1,000 feet >1,000 feet >1,000 feet Water Supply Well downgradient Distance to Nearest Claremont Creek 950 feet >250 feet Surface Water and >1.000 feet >1,000 feet >1,000 feet upgradient Direction Property Owner Willing Not Not Not .... to Accept a Land Use Not Applicable

#### **GROUNDWATER CONCENTRATIONS**

applicable

applicable

	Historic Site	Current Site	LTCP	LTCP	LTCP	LTCP
Constituent	Maximum	Maximum	Scenario 1	Scenario 2	Scenario 3	Scenario 4
	(ppb)	(ppb)	Criteria (ppb)	Criteria (ppb)	Criteria (ppb)	Criteria (ppb)
Benzene	59	<0.5	No criteria	3,000	No criteria	1,000
MTBE	1.9	<0.5	No criteria	1,000	No criteria	1,000
List other chemicals of specific concern						

Scenario 5: If the site does not meet scenarios 1 through 4, has a determination been made that under current and reasonably expected future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame?

Restriction?

Yes

applicable

#### LTCP VAPOR SPECIFIC CRITERIA

LTCP Vapor Specific Scenario under which case was closed: Scenario 3A

Active Fueling Station | Active as of ----

		LTCP	LTCP	LTCP	LTCP	LTCP	LTCP
Site Data		Scenario 1	Ѕселало 2	Scenario 3A	Scenario 3B	Scenario 30	Scenario 4
		Criteria	Criteria	Criteria	Criteria	Criteria	Criteria
Unweathered	No NAPL	LNAPL in	LNAPLin	No NAPL	No NAPL	No NAPL	No criteria
NAPL	NONAL	groundwater	soil	NO 1470 E	11011711 12	HOINALL	140 Gitteria
Thickness of Bioattenuation Zone Beneath Foundation	15 feet	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥5 feet	≥5 feet
Total TPH in Bioattenuation Zone	67 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm
Maximum Current Benzene Concentration in Groundwater	<0.5 ppb	No criteria	No- crileria	<100 ppb	≥100 and <1,000 ppb	<1,000 ppb	No criteria
Oxygen Data within Bioattenuation Zone	No oxygen data	No criteria	No criteria	No oxygen data or <4%	No oxygen data or <4%	≥4% at lower end of zone	≥4% at lower end of zone
Depth of soil vapor measurement beneath foundation		No criteria	No criteria	No criteria	No criteria	No criteria	≥5 feet

#### SCENARIO 4 DIRECT MEASUREMENT OF SOIL VAPOR CONCENTRATIONS

Site So	Site Soil Vapor Data			nuation Zone	Bioattenuation Zone		
Constituent	Historic Maximum (µg/m³)	Current Maximum (µg/m³)	Residential	Commercial	Residential	Commercial	
Benzene			<85	< <b>28</b> 0	<85,000	<280,000	
Ethylbenzene			<1,100	<3,600	<1,100,000	<3,600,000	
Naphthalene			<93	<310	<93,000	<310,000	
If the site does not mee risk assessment for the human health is protect							
If the site does not mee been made that petrole have no significant risk result of controlling exp measures or through the	um vapors from of adversely af osure through t	n soil or ground fecting human he use of mitig	water will health as a ation				

#### LTCP DIRECT CONTACT AND OUTDOOR AIR EXPOSURE CRITERIA

LTCP Direct Contact and Outdoor Air Exposure Specific Scenario under which case was closed: Maximum concentrations of petroleum hydrocarbons are less than or equal to those in Table 1 below

concentrations	of petroleum hydr	ocarbons are les	ss than or equal to	o those in Tabl	e 1 below		
Are maximum c	oncentrations les	s than those in 1	Yes				
		Resid	dential	Commerci	al/Industrial	Utility Worker	
Constituent		0 to 5 feet bgs (ppm) Volatilization to outdoor air (5 to 10 feet bgs) ppm.		0 to 5 feet bgs (ppm) Volatilization to outdoor air (5 to 10 feet bgs) ppm		0 to 10 feet bgs (ppm)	
Site Maximum	Benzene		<0.15		<0.15	<0.15	
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14	
Site Maximum	Ethylbenzene	gan para gan gang	0.18		0.18	0.18	
LTCP Criteria	Ethylbenzene	<21	≤32	≤89	≤134	≤314	
Site Maximum	Naphthalene		<0.0047		<0.0047	<0.0047	
LTCP Criteria	Naphthalene	≤9,7	≤9.7	≤45	<b>≤</b> 45	≤219	
Site Maximum	PAHs		0.093		0.093	0.093	
LTCP Criteria	PAHs	≤0.063	NA	≤0.68	NA NA	≤4.5	
If maximum concentrations are greater than those in Table 1, are they less than levels from a site-specific risk assessment?				Not Applicable			
has a determina petroleum in so affecting human	ncentrations are g ation been made il will have no sign n health as a resu of mitigation mea trols?	that the concent nificant risk of ac It of controlling e	Not Applicable				

#### **IV. CLOSURE**

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 State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy which became effective on August 17, 2012.

#### Site Management Requirements:

This fuel leak case has been evaluated for closure consistent with the State Water Resource Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Based on this evaluation, no site management requirements appear to be necessary. However, excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination on site.

Should corrective action be reviewed if land use changes? Yes

Was a deed restriction or deed notification filed? No

Date Recorded: ----

#### V. ADDITIONAL COMMENTS AND CONCLUSION

#### Conclusion:

Alameda County Environmental Health staff believe that the site meets the conditions 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 is necessary at this time.

#### VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Karel Detterman, PG	Title: Hazardous Materials Specialist
Signature: Kgrel Detter	Date: 6/26/2014
Approved by: Dilan Roe, PE	Title: LOP and SCP Program Manager
Signature: Dlm Rol	Date: 6/30/2014

#### VII. REGIONAL BOARD AND PUBLIC NOTIFICATION

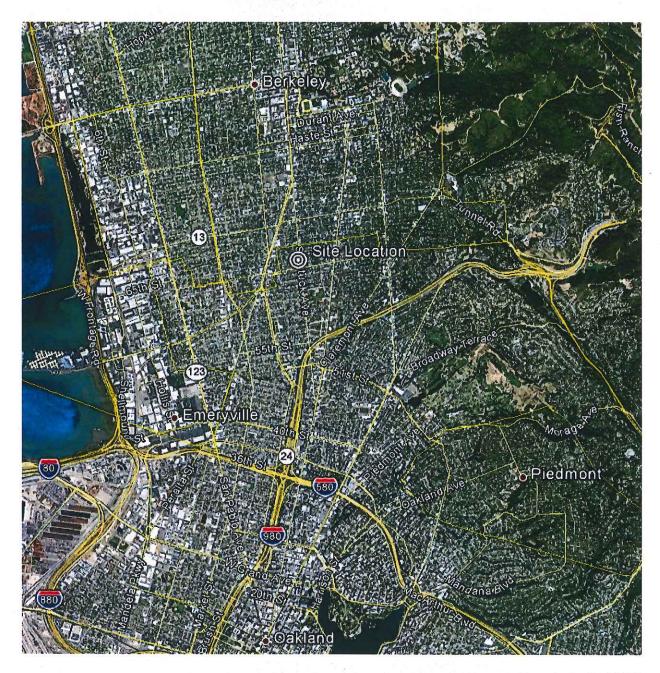
Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Regional Board Notification Date: 3/27/2014	
Public Notification Date: 3/14/2014	

#### VIII. MONITORING WELL DESTRUCTION

Date Requested by ACEH: 03/12/2014	Date of Well Destruction Report: 06/03/2014								
All Monitoring Wells Destroyed: Yes	Number Destroyed: 3	Number Retained: 0							
Reason Wells Retained:									
Additional requirements for submittal of groundwater data from retained wells:									
ACEH Concurrence - Signature: Karel	elle	Date: 6/26/2014							

#### Attachments:

- 1. Site Vicinity Map and Aerial Photo (2 pp)
- 2. Site Plan (1 p)
- 3. Groundwater Contour and Chemical Concentration Maps (2 pp)
- 4. Soil Analytical Data (4 pp)
- 5. Groundwater Analytical Data (3 pp)



(Google Earth, 2013)

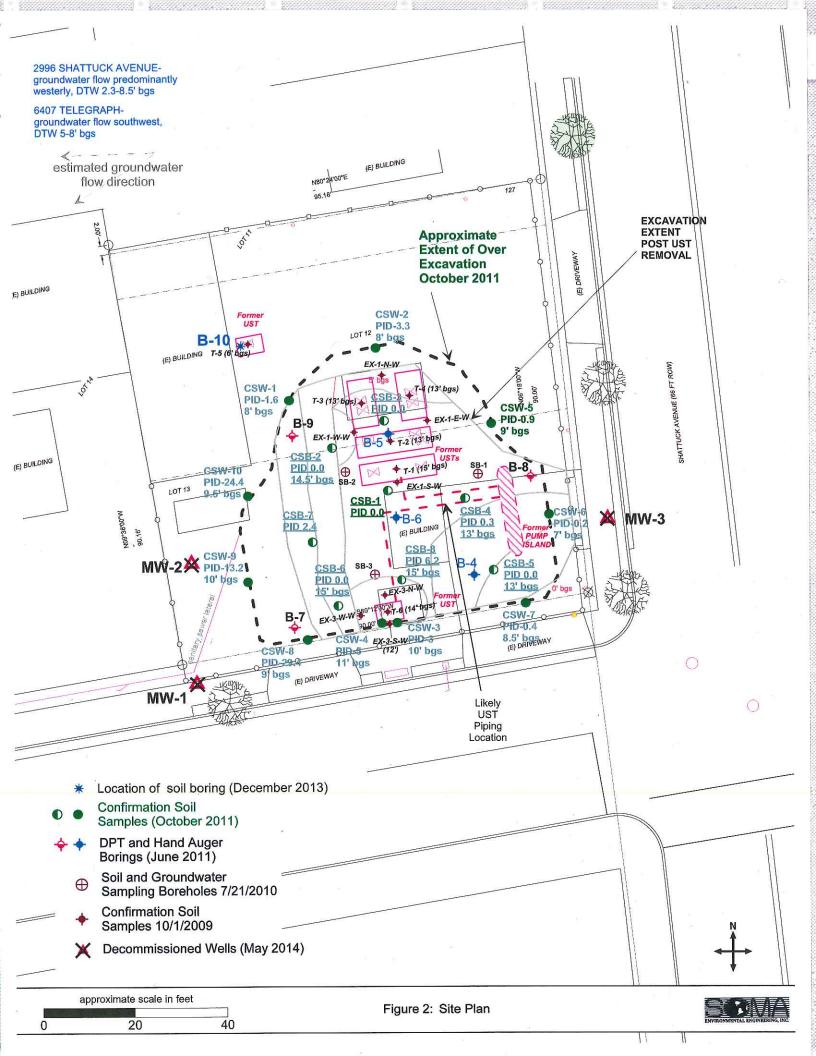


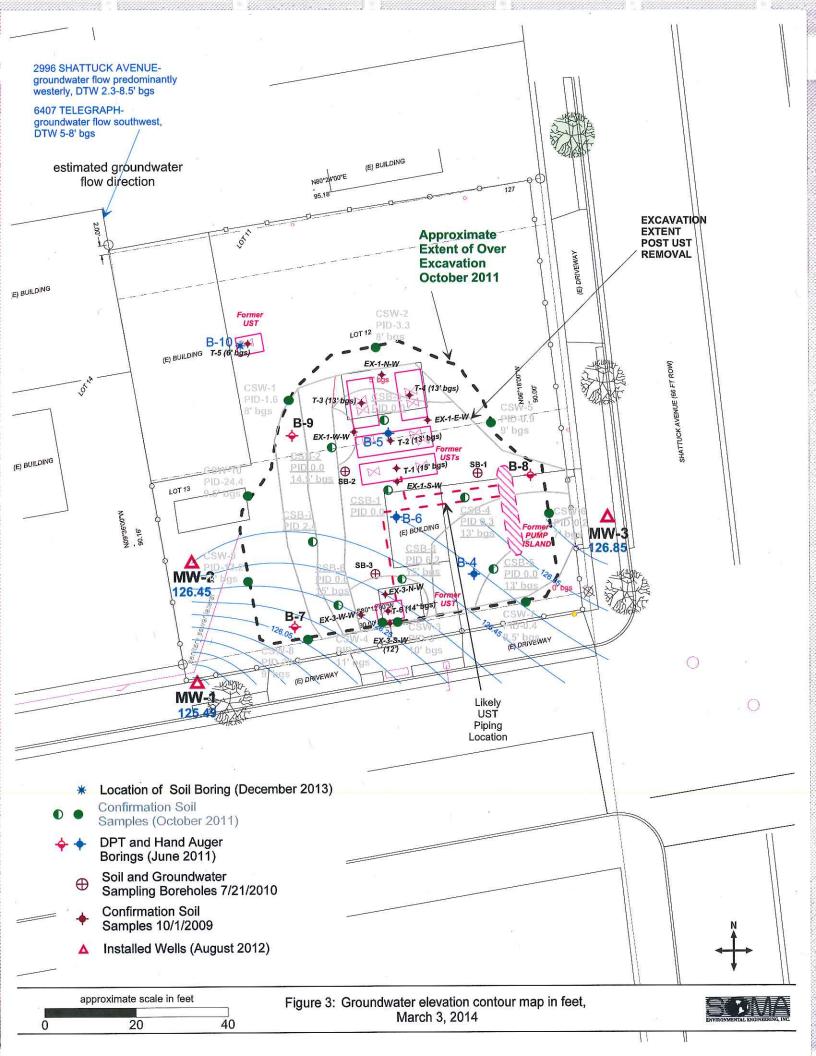


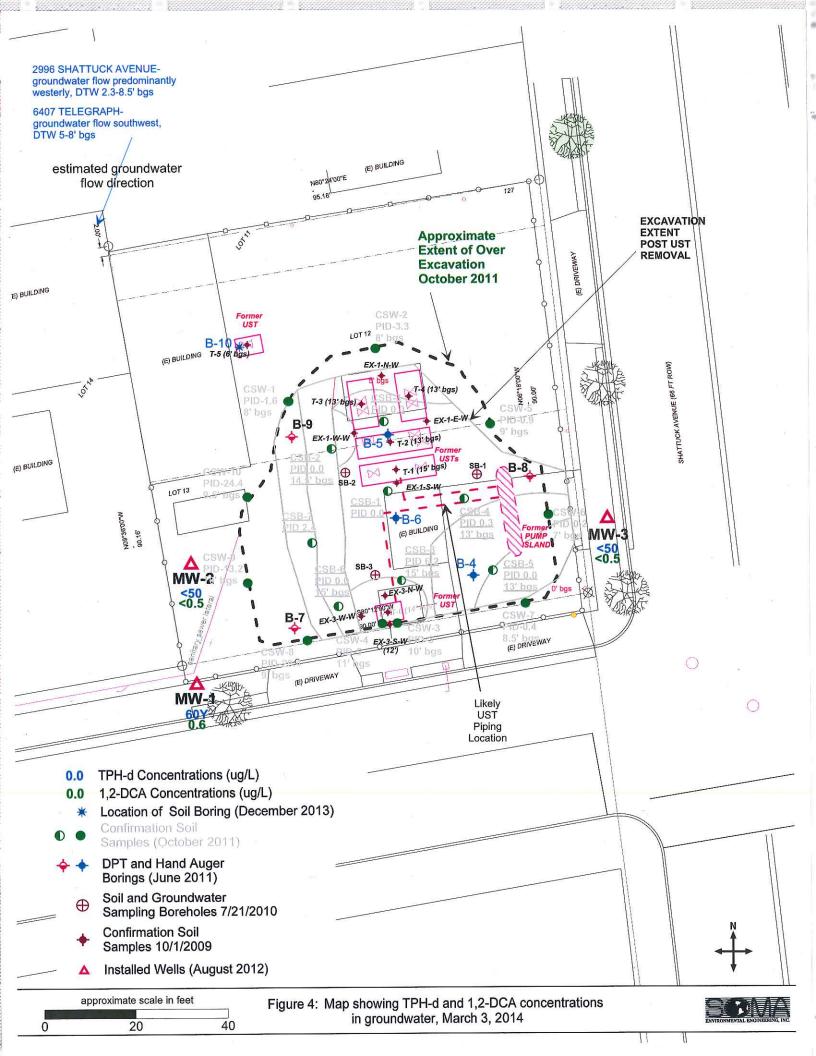
approximate scale in feet
50 100

Figure 1: Site vicinity map.









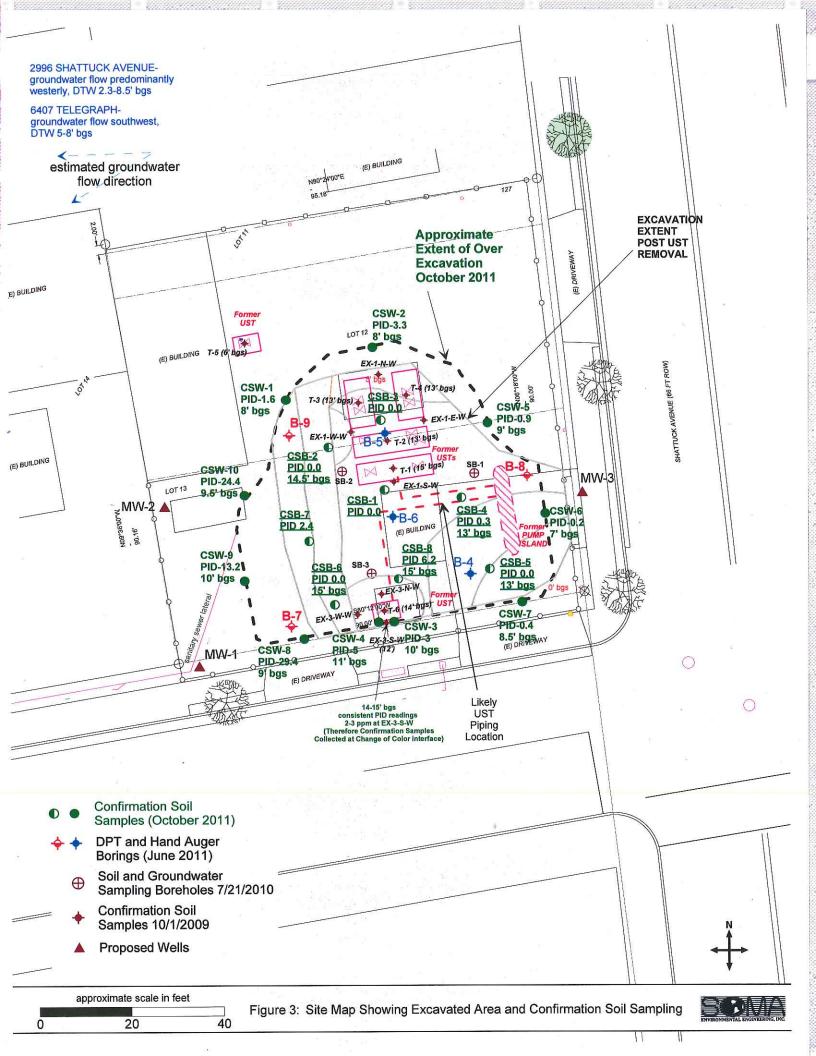


Table 1
UST Confirmation Soil Analytical Data (10/1/2009)
6501 Shattuck Ave, Oakland, CA

Sample ID	Soil Sample Depth (feet bgs)	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- Benzene (mg/kg)	Total Xylenes (mg/kg)	MtBE 8260B (mg/kg)	Lead 6010 (mg/kg)	Zinc 6010 (mg/kg)	Minimum anticipated over- excavation depth (ft bgs)
T-1	15	8.2	2.6	NA	<0.5	<0.5	<0.5	0.013	<5	6.5	66	-
T-2	13	420	270	NA	0.16	<0.1	<0.1	0.72	<1	14	220	- per conf B-5 results
T-3	13	100	58	NA	<0.1	<0.1	0.24	1.4	<1	14	99	13.5
T-4	13	1.8	2.5	NA	<0.5	<0.5	0.02	0.09	<5	7	63	
T-5	6	8	11	44	<0.5	<0.5	<0.5	0.02	<5	12	45	•
T-6	14	280	230	NA	0.45	1.9	2.7	15	<2.5	95	290	15
EX-1-E-W	13	93	76	NA	<0.1	0.18	<0.1	0.15	<1	8.7	21	13.5
EX-1-N-W	10	8.2	3.5	NA	<0.5	0.0099	<0.5	0.035	<5	9.9	31	-
EX-1-S-W	12	490	170	NA	0.54	0.12	3.6	1.6	<1	8.9	58	13
EX-1-W-W	13	1,700	1,800	NA	<0.25	<0.25	1.9	5,9	<2.5	92	580	14,5
EX-3-E-W	13	2,100	680	NA	2.7	3	15	60	<5	4,200	3,900	14.5
EX-3-N-W	13	180	48	NA	0.71	5.9	2.7	17	<1	320	480	14
EX-3-S-W	12	2,900	780	NA	5	27	36	200	<5	240	560	13
EX-3-W-W	12	95	41	NA	0.42	<0.1	0.11	0.28	<1	10	25	12.5
i serikan dirikan diri	(AMILY CONTROL NO CONTROL OF A TABLE	400 600	1016 1110	1000 5000	(6.1544) 1.2	2.9 9.3	4.76	2/3 11	0.028 8.4	80a 320	800 608	NA NA

#### Notes:

ESL: California Regional Water Quality Control Board, Environmental Screening Levels, Interim Final 2013

< : below Laboratory Detection Limits

Y: Sample exhibits chromatographic pattern which does not resemble standard

NA: Not Analyzed

Table 2 Soil Analytical Results 6501 Shattuck Ave, Oakland, CA

Sample ID	Soll Sample Depth (feet bgs)	Depth to Water (feet bgs)	Date	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- Benzene (mg/kg)	Total Xylenes (mg/kg)	MtBE 8260B (mg/kg)
SB-1@2.5ft	9	10	7/21/2010	23Y	20	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25
SB-2@3ft	9	10	7/21/2010	510Y	50	<5.0	<0.5	< 0.5	0.65	<0.5	<0.5
SB-3@1.5ft	8.5	8.5	7/21/2010	3.2Y	24	48	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
B-4	9	13.22	6/10/2011	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.005
B-5	8	NA	6/10/2011	18 Y	59 Y	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25
B-6	7	NA	6/10/2011	<1.0	<1.0	<5,0	<0.0048	<0,0048	<0.0048	<0.0048	<0.0048
B-7	10	12.45	6/10/2011	180	35 Y	<5.0	<0.25	<0,25	<0,25	<0.25	<0.25
B-7	12	12,45	6/10/2011	<0.98	NA	NA	NA NA	NA	NA	NA	NA
B-8	4.5	NA	6/10/2011	<1.1	3.2 Y	23	< 0.0049	<0.0049	<0.0049	<0.0049	<0.0049
B-9	8	11.5	6/10/2011	140	58 Y	6.1	<0.25	<0.25	<0.25	<0.25	<0.25
B-9	10	11.5	6/10/2011	<1.0	NA	NA	NA.	NA	NA	NA	NA
CSW-1	10	NA	10/13/2011	1.7 <sup>Y</sup>	4.3 Y	<5.0	< 0.005	<0.005	<0.005	<0.005	<0.005
CSW-2@8ft	8	NA	10/17/2011	<0.017	<0,759	8,9	<0.0015	<0.00098	<0.00086	<0.0019	<0.0026
CSW-3@10'	10	NA	10/14/2011	38	7.8	<1.65	<0.15	<0.098	0.18	<0.19	<0.26
CSW-4@11'	11	NA	10/14/2011	<0.017	<0,759	<1.65	<0.0015	<0.00098	<0.00086	<0.0019	<0.0026
CSW-5@9ft	9	NA	10/17/2011	<0.017	<0.759	<1.65	< 0.0015	<0.00098	<0.00086	<0.0019	<0.0026
CSW-6@7ft	7	NA	10/17/2011	<0.017	<0.759	<1.65	<0.0015	<0.00098	<0.00086	<0.0019	<0.0026
CSW-7@8.5ft	8.5	NA NA	10/17/2011	<0.017	<0.759	<1.65	<0.0015	<0.00098	<0.00086	<0.0019	<0.0026
CSW-8@9ft	9	NA.	10/24/2011	0.56 <sup>X</sup>	2.9 X	10	<0.0038	<0.0025	<0.0022	<0.0046	<0.0065
CSW-9@10ft	10	NA NA	10/24/2011	<0.017	<0.759	<1.65	<0.0035	<0.0028	<0.0022	<0.0019	<0.0026
		E .		3.4 ×	8.2 <sup>X</sup>		<0.0075	<0.0049	<0.0043	<0.0019	<0.0028
CSW-10@9.5ft	9.5	NA	10/24/2011			7.5	1				
CSB-1 CSB-2	14	NA NA	10/13/2011	. <1.0	<1.0	<5.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049
	14.5	NA NA	10/13/2011	<1.0	<1.0	<5.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049
CSB-3	13	NA NA	10/13/2011	<1.1	<1.0	<5.0	<0.005	<0.005	< 0.005	< 0.005	<0.005
CSB-4	13	NA	10/17/2011	<0.0017	<0.759	<1.65	<0.0015	<0.00098	<0.00086	<0.0019	<0.0026
CSB-5	13	NA	10/17/2011	<0.0017	<0.759	<1.65	<0.0015	<0.00098	<0.00086	<0.0019	<0.0026
CSB-6	15	NA	10/24/2011	<0.0017	<0.759	<1.65	<0.0015	<0.00098	<0.00086	<0.0019	<0.0026
CSB-7	14,5	NA	10/24/2011	5,4 <sup>X</sup>	24 <sup>×</sup>	25	<0.0075	<0.0049	<0.0043	<0.0093	<0.013
CSB-8	15	NA	10/24/2011	<0.0017	<0.759	<1.65	<0.0015	<0.00098	<0.00086	<0.0019	<0,0026
Fill Black-1	NA	NA ·	10/14/2011	<0.0017	<0.759	23	<0.0015	<0.00098	<0.00086	<0.0019	<0.0026
Fill Black-2	NA	NA	10/14/2011	<0.0017	<0.759	7.6	<0.0015	<0.00098	<0.00086	<0.0019	<0.0026
Fill Brown-1	NA	NA NA	10/14/2011	< 0.017	<0.759	42	<0.0015	<0.00098	<0.00086	< 0.0019	<0.0026
Fill Brown-2	NA	NA NA	10/14/2011	<0.017	<0.759	28	<0.0015	<0.00098	<0.00086	<0.0019	<0.0026
Compfill-3	NA	NA NA	10/28/2011	<0.017	<0.759	<1.65	<0.0015	<0.00098	<0.00086	<0.0019	NA
B-10	7	17	12/20/2013	7.1 Y	NA	NA	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049
B-10	9	17	12/20/2013	3.5 Y	NA	NA	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
B-10	10	17	12/20/2013	<1.0	NA	NA	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049
B-10	15	17	12/20/2013	<1.0	NA	NA	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047
B-10	21	17	12/20/2013	<0.98	NA	NA	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
	ESt, Digniking W	ater (Residentiali)		4 - 41010-	190	100	0.044	2.9	8.0	2.3	0.023
E E	ib Non-Drinking	Walet (Commercia		6000	110	500	12	0.00	4.7	111	8.4

Table 2
Soil Analytical Results
6501 Shattuck Ave, Oakland, CA

Sample ID	Soil Sample Depth (feet bgs)	Depth to Water (feet bgs)	Date	Phenanthrene (mg/kg)	Pyrene (mg/kg)	Chrysene (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)
SB-1@2.5ft	9	10	7/21/2010	NA	NA	NA	NA	NA	7.9	NA	ŅA
SB-2@3ft	9	10	7/21/2010	NA	NA	NA	NA	NA	5.7	NA	NA
SB-3@1.5ft	8.5	8.5	7/21/2010	NA	NA	NA	NA	NA	58	NA	NA
B-4	9	13,22	6/10/2011	NA	NA	NA	NA	NA	NA	NA	NA
B-5	8	NA	6/10/2011	NA	NA	NA	NA	NA	<0.25	NA	NA
B-6	7	NA	6/10/2011	NA	NA	NA	NA	NA	<0.0048	NA	NA
B-7	10	12.45	6/10/2011	NA	NA	NA	NA	NA NA	<0.25	NA	NA
B-7	12	12,45	6/10/2011	NA	NA	NA	NA	NA	NA	NA	NA NA
B-8	4.5	NA	6/10/2011	NA	NA	NA	NA	NA	<0.0049	NA	NA
B-9	8	11.5	6/10/2011	NA	NA	NA	NA	NA	<0.25	NA	NA
B-9	10	11.5	6/10/2011	NA	NA	NA	NA	NA	NA	NA	NA
B-10	7	17	12/20/2013	0.061	0.093	0.076	0.55	31	7.5	36	54
B-10	9	17 ·	12/20/2013	< 0.0051	0.0065	<0.0051	0.54	33	5.6	36	48
B-10	10	17	12/20/2013	<0.005	0.0083	<0.005	0.95	41	10	62	52
B-10	15	17	12/20/2013	<0.005	<0.005	<0.005	0.67	44	9.	68	52
B-10	21	17	12/20/2013	<0.0049	<0.0049	<0.0049	0.48	30	7.9	37	47
	ESL Drinking W	ater (Residential)		110	E5 (1988)	3,8		i plancija			
E	ak NardDilpking	Waler (Commercia	ii.	1.241	85	13		2.040			

#### Notes:

ESL: California Regional Water Quality Control Board, Environmental Screening Levels, Interim Final 2013

Note: Depth to groundwater is tentative, since some locations had slower water recovery rates, and does not represent the actual stabilized groundwater elevation across the site

NA: Not Analyzed

<sup>&</sup>lt; ; below Laboratory Detection Limits

Y: Sample exhibits chromatographic pattern which does not resemble standard

X: Does not match pattern of reference Gasoline standard. Reported value is the result of contribution from hydrocarbons heavier than requested fule in range of C5-C12 quantified as gasoline

X; Not typical of Diesel standard pattern (possibly fuel lighter than diesel)

Table 3
Grab Groundwater Analytical Results
6501 Shattuck Ave, Oakland, CA

Sample ID	Date	TPH-g (μg/L)	TPH-d (μg/L)	TPH-mo (μg/L)	Benzene (μg/L)	Toluene (μg/L)	Ethyl- Benzene (μg/L)	Total Xylenes (μg/L)	MtBE 8260B (μg/L)
SB-1	7/21/2010	1,500	930	<300	5.1	1.8	32	25	1.9
SB-2	7/21/2010	1,700	5,300	1,400	59	4.8	18	13.7	0.66
SB-3	7/21/2010	4,000	11,000	800	30	4.1	15	10.9	<0.5
B-4	6/10/2011	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
B-5	6/10/2011	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
B-6	6/16/2011	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
B-7	6/10/2011	160 Y	61 Y	<300	1.1	0.9	1.2	0.9	<0.5
B-8	6/10/2011	<50	<63	<380	<0.5	<0.5	<0.5	<0.5	<0.5
B-9	6/10/2011	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
ESL Drinking Water (Residential)		100	100	100	1	40	30	20	5
ESL Non-Drinking Water (Commercial)		210	210	210	46	130	43	100	1800

Sample ID	. i Date i		Chromium (μg/L)	Lead (μg/L)	Nickel (μg/L)	Zinc (μg/L)	
SB-1	7/21/2010	<5.0	<5.0	<5.0	<5.0	<20	
SB-2	7/21/2010	<5.0	<5.0	<5.0	12	41	
SB-3	7/21/2010	<5.0	<5.0	<5.0	19	350	
EX-SECTION SECTION SEC	ESL Drinking Water (Residential)		50	2.5	8.2	81	
EXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	on-Drinking Water Commercial)	0.25	180	2.5	8.2	81	

#### Noles:

ESL: California Regional Water Quality Control Board, Environmental Screening Levels, Interim Final 2013

< : below Laboratory Detection Limits

Y: Sample exhibits chromatographic pattern which does not resemble standard

Table 4 Groundwater Analytical Results 6501 Shattuck Ave, Oakland, CA

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		Casing	Depth to										]	
]		Elevation	Groundwater	Groundwater	TPH-g	TPH-d	TPH-mo	Benzene	Toluene	Ethylbenz	Xylenes	MtBE	1,2-DCA	
Monitoring Well	Date	(Ft.)	(Ft.)	Elevation	μg/L	μg/L	μg/L	μg/L	μg/L	ene μg/L	μg/L	μg/L	μg/L	EDB μg/L
MW-1	9/11/2012	128.70	6.14	122.56	<50	<52	<310	<0.5	<0.5	<0.5	<0.5	<0.5	1.30	<0.5
1	12/20/2012	128.70	2.94	125.76	<50	<51	<310	<0.5	<0.5	<0.5	<0.5	<0.5	0.90	<0.5
[	3/25/2013	128.70	4.48	124.22	<50	<56	<330	<0.5	<0.5	<0.5	<0.5	<0.5	1,00	<0.5
	6/12/2013	128.70	5.35	123.35	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	1.00	<0.5
1	9/5/2013	128.70	6.31	122.39	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	0.80	<0.5
	12/4/2013	128.70	5.79	122.91	<b>&lt;</b> 50	<52	<310	<0.5	<0.5	`<0.5	<0.5	<0.5	0.80	<0.5
	3/3/2014	128.70	3.21	125.49	<50	60 Y	<300	<0.5	<0.5	<0.5	<0.5	<0.5	0.60	<0.5
<b>强级的报告</b>	adii (Pepinjaha)			go přeprádatel										
MW-2	9/11/2012	130.32	7.81	122.51	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/20/2012	130.32	6.61	123.71	76 <sup>Y</sup>	<51	<310	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/25/2013	130.32	7.65	122.67	<50	<57	<340	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/12/2013	130.32	8.60	121.72	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/5/2013	130.32	7.62	122.70	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/4/2013	130.32	6.95	123.37	<50	<52	<310	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/3/2014	130.32	3.87	126.45	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
British Andria	细胞细胞类	<b>建造海杨</b>		PAGBAG (BAB) HA	医胸壁排							grypnaketh		i da
MW-3	9/11/2012	131.34	7.89	123.45	<50	<53	<320	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/20/2012	131.34	4.55	126.79	<50	<51	<310	<0.5	<0.5	<0.5	<0,5	<0.5	<0.5	<0.5
	3/25/2013	131.34	4.99	126.35	<50	<58	<350	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/12/2013	131.34	5.95	125.39	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/5/2013	131.34	6.70	124.64	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/4/2013	131.34	6.23	125.11	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/3/2014	131.34	4.49	126.85	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Note:

All other VOCs were below laboratory-reporting limits in groundwater samples

<sup>&</sup>lt;; Below Laboratory Reporting Limit (Method Detection Limit)