

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director



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

May 20, 2014

Emmy Andrews
United States Postal Service
1300 Evans Avenue, Suite 200
San Francisco, CA 94188-8200

S S Silberblatt Inc. ETAL
c/o Levin Management Corp.
P.O. Box 326
Plainfield, NJ 07061-0326

Subject: Case Closure for Fuel Leak Case No. RO0000016 and GeoTracker Global ID T0600100443,
USPS, 1675 7th Street, Oakland, CA 94607

Dear Ms. Andrews:

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 can also be viewed on the State Water Resources Control Board's Geotracker website (<http://geotracker.swrcb.ca.gov>) and the Alameda County Environmental Health website (<http://www.acgov.org/aceh/index.htm>).

Due to residual contamination, the site was closed with Site Management Requirements that limit future land use to the current commercial land use. Site Management Requirements are further described in section IV of the attached Case Closure Summary.

If you have any questions, please call Jerry Wickham at (510) 567-6791. Thank you.

Sincerely,

Dilan Roe, P.E.
LOP and SCP Program Manager

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

Responsible Parties
RO0000016
May 20, 2014
Page 2

Cc w/enc.:

Jacob Zepeda, TRC, One Concord Center, 2300 Clayton Road, Suite 610, Concord, CA 94520
(Sent via E-mail to: jzepeda@trcsolutions.com)

Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032 (Sent via E-mail to: lgriffin@oaklandnet.com)

Jerry Wickham, ACEH (Sent via E-mail to: jerry.wickham@acgov.org)

GeoTracker (uploaded)
eFile (w/orig enc)

REMEDIAL ACTION COMPLETION CERTIFICATION

May 20, 2014

Emmy Andrews
United States Postal Service
1300 Evans Avenue, Suite 200
San Francisco, CA 94188-8200

S S Silberblatt Inc. ETAL
c/o Levin Management Corp.
P.O. Box 326
Plainfield, NJ 07061-0326

Subject: Case Closure for Fuel Leak Case No. RO0000016 and GeoTracker Global ID T0600100443, USPS,
1675 7th Street, Oakland, CA 94607

Dear Ms. Andrews:

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

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

I. AGENCY INFORMATION

Date: November 19, 2013

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6791
Responsible Staff Person: Jerry Wickham	Title: Senior Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: USPS		
Site Facility Address: 1675 7 th Street, Oakland, CA 94607		
RB Case No.: 01-0487	STID No.: 3775	LOP Case No.: RO0000016
URF Filing Date: ---	Geotracker ID: T0600100443	APN: 6-1-1-6
Current Land Use: Post Office Vehicle Maintenance with Active Fueling Station		
Responsible Parties	Addresses	Phone Numbers
Emmy Andrews, United States Postal Service	1300 Evans Avenue, Suite 200 San Francisco, CA 94188-8200	No Phone Number
S S Silberblatt Inc.Etal c/o Levin Management Corp.	P.O. Box 326 Plainfield, NJ 07061-0326	No Phone Number

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
T1	10,000 gallons	Diesel	Removed	11/1991
T2	10,000 gallons	Diesel	Removed	11/1991
T3	5,000 gallons	Gasoline	Removed	11/1991
T4	750 gallons	Waste Oil	Removed	11/1991
T5	10,000 gallons	Diesel	Removed	6/1992
Piping			Removed	11/1991

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Release from underground storage tank (UST) system.		
Site characterization complete? Yes		
Monitoring wells installed? Yes	Number: 6	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 3.37 feet bgs	Lowest Depth: 17.30 feet bgs	Flow Direction: Southwest
Most Sensitive Current Groundwater Use: Potential drinking water source		

Summary of Production Wells in Vicinity: No water supply wells have been identified within 1,000 feet of the site.	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest Surface Water Name: Oakland Inner Harbor is approximately 4,300 feet west (downgradient) from the site
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
Free Product	----	----	----
Soil	396 cubic yards	Transported to Liquid Waste Management and McKittrick Waste Disposal Site in McKittrick, CA for disposal	11/11/1991
Groundwater	----	----	----

LTCP GROUNDWATER SPECIFIC CRITERIA

LTCP Groundwater Specific Scenario under which case was closed: *Scenario 3*

Site Data		LTCP Scenario 1 Criteria (ppb)	LTCP Scenario 2 Criteria (ppb)	LTCP Scenario 3 Criteria (ppb)	LTCP Scenario 4 Criteria (ppb)
Plume Length	120 feet	<100 feet	<250 feet	<250 feet	<1,000 feet
Free Product	Removed to maximum extent practicable	No free product	No free product	Removed to maximum extent practicable	No free product
Plume Stable or Decreasing	Stable for minimum of 5 years	Stable or decreasing	Stable or decreasing	Stable or decreasing for minimum of 5 Years	Stable or decreasing
Distance to Nearest Water Supply Well	1,900 feet	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Distance to Nearest Surface Water and Direction	4,300 feet downgradient	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Property Owner Willing to Accept a Land Use Restriction?	Yes	Not applicable	Not applicable	Yes	Not applicable

GROUNDWATER CONCENTRATIONS

Constituent	Historic Site Maximum (ppb)	Current Site Maximum (ppb)	LTCP Scenario 1 Criteria (ppb)	LTCP Scenario 2 Criteria (ppb)	LTCP Scenario 3 Criteria (ppb)	LTCP Scenario 4 Criteria (ppb)
Benzene	1.7	<0.5	No criteria	3,000	No criteria	1,000
MTBE	14.1	2.2	No criteria	1,000	No criteria	1,000

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?

LTCP VAPOR SPECIFIC CRITERIA

LTCP Vapor Specific Scenario under which case was closed: Active fueling station exempt from vapor specific criteria

Active Fueling Station Active as of 11/13/2013

Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3A Criteria	LTCP Scenario 3B Criteria	LTCP Scenario 3C Criteria	LTCP Scenario 4 Criteria
Unweathered NAPL	LNAPL in groundwater	LNAPL in groundwater	LNAPL in soil	No NAPL	No NAPL	No NAPL	No criteria
Thickness of Bioattenuation Zone Beneath Foundation	<3 feet	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥5 feet	≥5 feet
Total TPH in Bioattenuation Zone	2,453 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 criteria	<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 Soil Vapor Data			No Bioattenuation Zone		Bioattenuation Zone	
Constituent	Historic Maximum (µg/m ³)	Current Maximum (µg/m ³)	Residential	Commercial	Residential	Commercial
Benzene	----	----	<85	<280	<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 meet scenarios 1 through 4, does a site-specific risk assessment for the vapor intrusion pathway demonstrate that human health is protected?

If the site does not meet scenarios 1 through 4, has a determination been made that petroleum vapors from soil or groundwater will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls?

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

Are maximum concentrations less than those in Table 1 below? Yes

Constituent		Residential		Commercial/Industrial		Utility Worker
		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	0.15	0.15
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	2.1	2.1	2.1	2.1	2.1
LTCP Criteria	Ethylbenzene	≤21	≤32	≤89	≤134	≤314
Site Maximum	Naphthalene	---	---	---	---	---
LTCP Criteria	Naphthalene	≤9.7	≤9.7	≤45	≤45	≤219
Site Maximum	PAHs	---	---	---	---	---
LTCP Criteria	PAHs	≤0.063	NA	≤0.68	NA	≤4.5
If maximum concentrations are greater than those in Table 1, are they less than levels from a site-specific risk assessment?				---		
If maximum concentrations are greater than those in Table 1, has a determination been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls?				---		

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 State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy which became effective on August 17, 2012.		
<p>Site Management Requirements:</p> <p>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). Non-aqueous phase liquid has been observed within five feet of the ground surface. No soil vapor sampling has been conducted at the site. Under the current land use as an active fueling station, the site is not required to meet media-specific criteria for vapor intrusion to indoor air. Therefore, case closure is granted for the current commercial land use.</p> <p>If a change in land use to any residential or other conservative land use, or if any redevelopment occurs, Alameda County Environmental Health (ACEH) must be notified as required by Government Code Section 65850.2.2. Due to the potential for vapor intrusion to indoor air for future buildings, ACEH will re-evaluate the case upon receipt of approved development/construction plans.</p> <p>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.</p> <p>This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination on site.</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: 6

V. ADDITIONAL COMMENTS AND CONCLUSION

<p>Additional Comments:</p> <p>Naphthalene was not an analyte in shallow soil samples. Under the current land use as a vehicle maintenance facility, the site is paved with resulting in a low potential for direct exposure under the current land use. Future risks from direct contact and outdoor air exposure can be mitigated through the use of land use restrictions. Therefore, case closure is granted for the current commercial land use.</p> <p>Conclusion:</p> <p>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.</p>
--

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham, P.G.	Title: Senior Hazardous Materials Specialist
Signature: <i>Jerry Wickham</i>	Date: 11/21/13
Approved by: Dilan Roe	Title: LOP and SCP Program Manager
Signature: <i>Dylan Roe</i>	Date: NOVEMBER 21, 2013

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 AND PUBLIC NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Regional Board Notification Date: 11/19/2013	
Public Notification Date: 11/19/2013	

VIII. MONITORING WELL DECOMMISSIONING

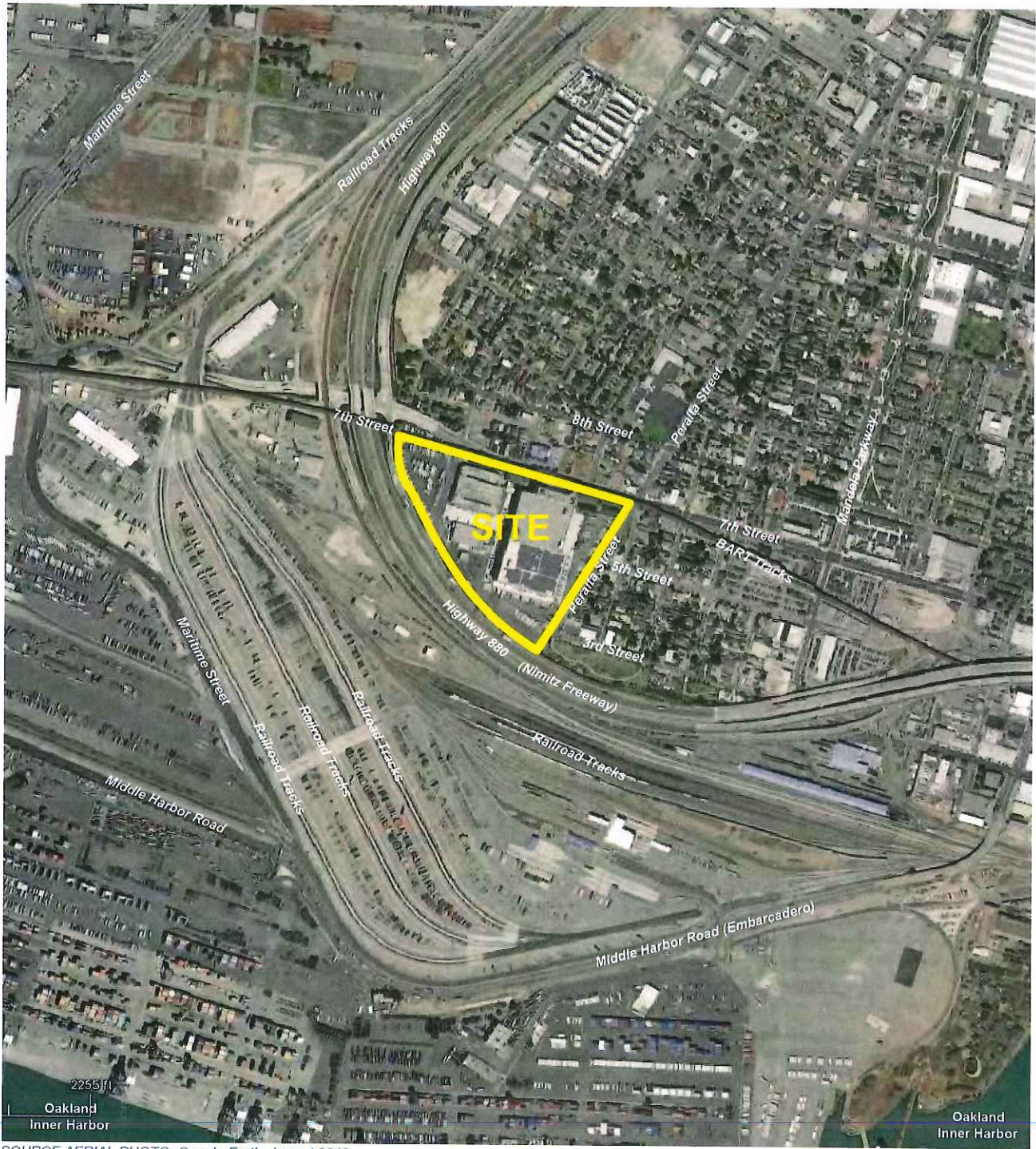
Date Requested by ACEH: 01/22/14	Date of Well Decommissioning Report: 05/16/14	
All Monitoring Wells Decommissioned: Yes	Number Decommissioned: 5	Number Retained: 0
Reason Wells Retained: NA		
Additional requirements for submittal of groundwater data from retained wells: None		
ACEH Concurrence - Signature: <i>Jerry Wickham</i>	Date: 05/20/14	

Attachments:

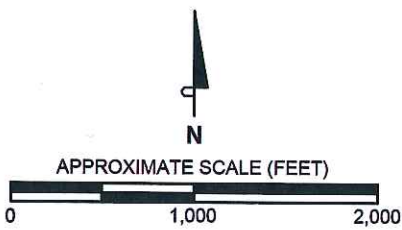
1. Site Vicinity Map (1 p)
2. Site Plan (1 p)
3. Groundwater Contour and Historical Sampling Locations (2 pp)
4. Chemical Concentration Maps (2 pp)
5. Soil Analytical Data (4 pp)
6. Groundwater Analytical Data (2 pp)

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.

FILE NAME: N:\PROJECTS\CAD\USPS Oakland\Closure Request_Aug13\Fig 1_Vicinity Map_REV AUG13.dwg | Layout: Tab: Bx11



SOURCE AERIAL PHOTO: Google Earth, August 2012.



VICINITY MAP

United States Postal Service
 Vehicle Maintenance Facility
 1675 7th Street
 Oakland, California



ATTACHMENT 1



LEGEND

Approximate locations of:

- Monitoring well
- Tank pit monitoring well



SCALE (FEET)



AERIAL PHOTO SOURCE: Google Earth, August 2012.

SITE PLAN

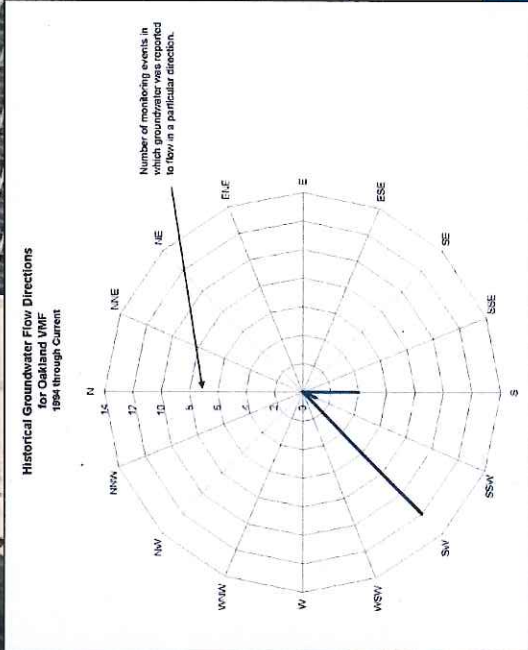
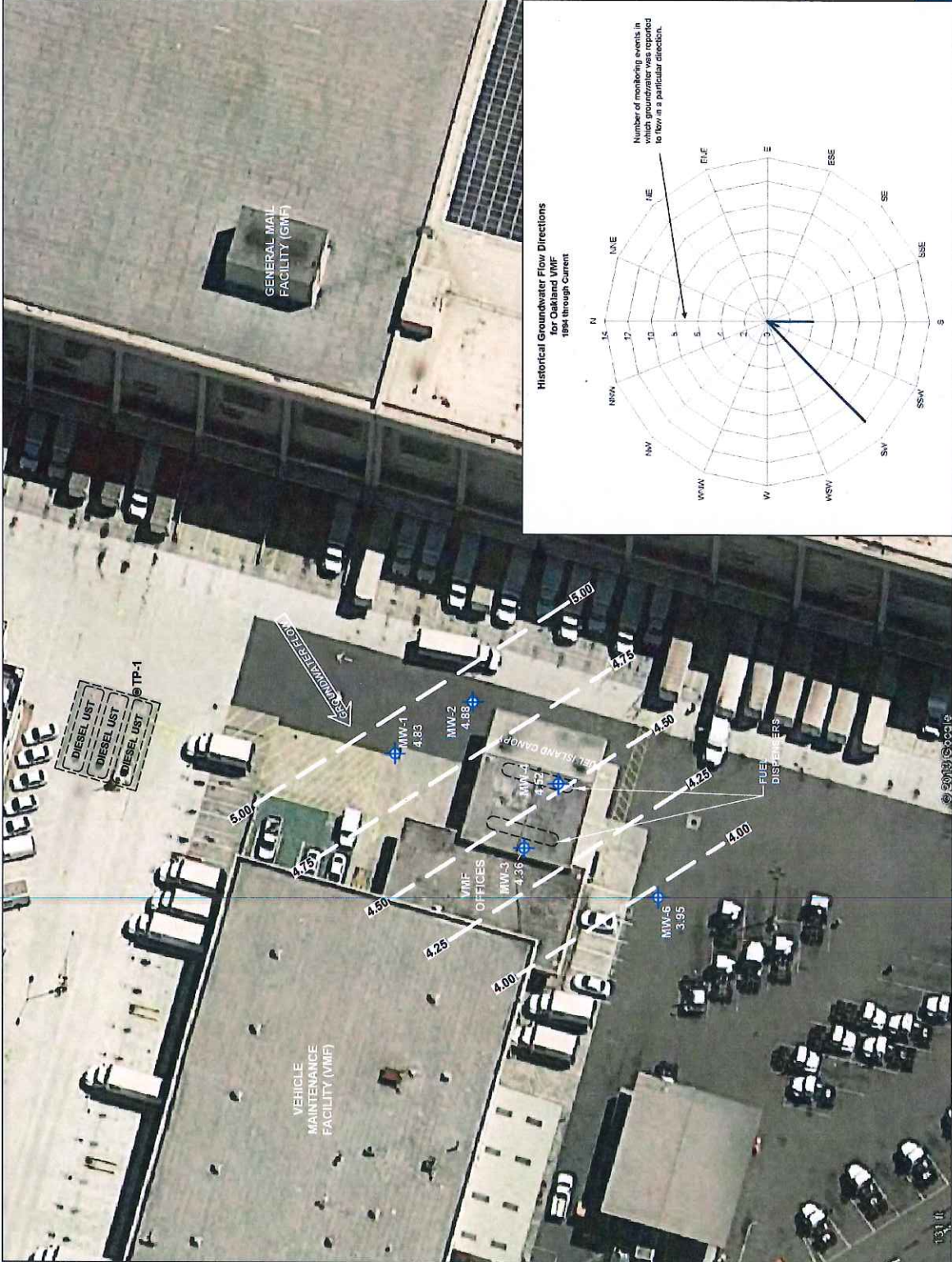
United States Postal Service
 Vehicle Maintenance Facility
 1675 7th Street
 Oakland, California

CTRC 180497.3

FIGURE 2

ATTACHMENT 2

FILE NAME: H:\PROJECTS\042015\042015_042015_VMF_Site Plan_REV.MXD DATE: 13-Aug-12 11:47 AM



LEGEND

Approximate locations of:

Monitoring well

Tank pit monitoring well

Groundwater elevation (ft-ms),
April 15, 2013

5.00 --- Groundwater elevation contour line
(ft-ms)

SCALE (FEET)



AERIAL PHOTO SOURCE: Google Earth, August 2012

GROUNDWATER ELEVATION CONTOUR MAP

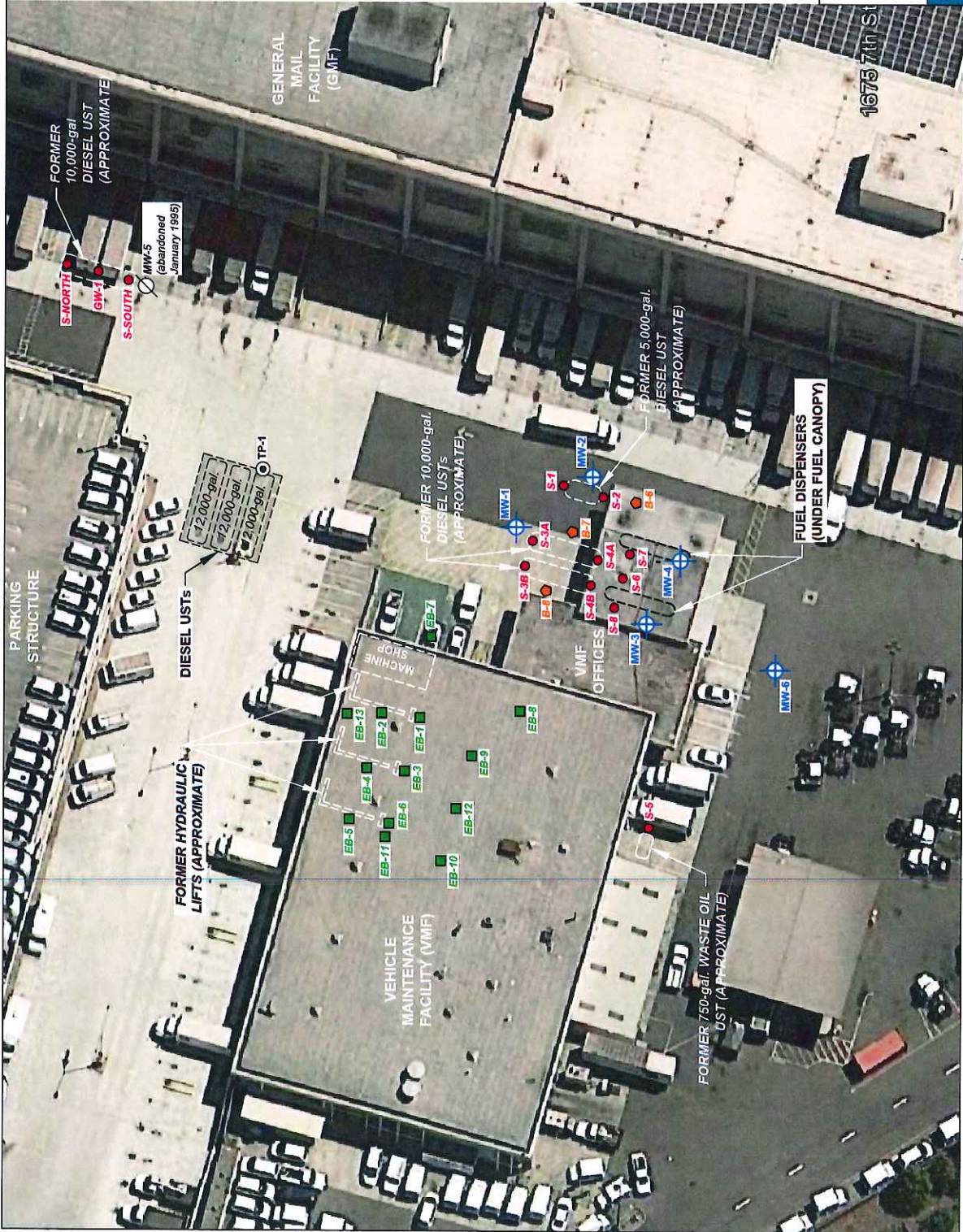
April 15, 2013

United States Postal Service
Vehicle Maintenance Facility
1075 7th Street
Oakland, California

CTRC 180497.3



FIGURE 4

ATTACHMENT 3



LEGEND

Approximate locations of:

-  Monitoring well
-  Tank pit monitoring well
- 2,500**
Dissolved-phase TPHd concentration (ug/L),
April 15, 2013
- 100**
Dissolved-phase TPHd isocentration contour line
(ug/L), April 15, 2013, dashed where inferred



AERIAL PHOTO SOURCE: Google Earth, August 2012.

**DISSOLVED-PHASE TPHd ISOCONCENTRATION
CONTOUR MAP**

April 15, 2013
United States Postal Service
Vehicle Maintenance Facility
1675 7th Street
Oakland, California



FILE NAME: N:\PROJECTS\CA\USPS Oakland\Closure Request_Aug13\Figs_TPHd_Apr13.dwg | Layout Tab: 8x11

LEGEND

Approximate locations of:

-  Monitoring well
-  Tank pit monitoring well

Dissolved-phase hydrocarbon concentrations (ug/L),
April 15, 2013

MW-1	TPHd	110
------	------	------------

NOTES:

Non-detectable (ND) concentrations are not shown.
BOLD = Compound was detected above the laboratory reporting limit.



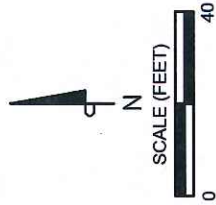
GENERAL MAIL FACILITY (GMF)

VEHICLE MAINTENANCE FACILITY (VMF)

VMF OFFICES

FUEL DISPENSERS

FUEL ISLAND CANOPY



AERIAL PHOTO SOURCE: Google Earth, August 2012.

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS

April 15, 2013
 United States Postal Service
 Vehicle Maintenance Facility
 1675 7th Street
 Oakland, California



180497.3

FIGURE 6

TABLE 3
Historical Analytical Results of Soil after UST Removals
 USPS Oakland VMF
 Oakland, CA

Sample ID	Sample Depth (feet)	TRPH (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylene (mg/kg)
Monitoring Well Installations								
MW-1	5.0	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
MW-1	8.0	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
MW-2	2.5-3.0	--	<10	<1.0	0.040	<0.003	<0.003	<0.003
MW-2	7.0-7.5	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
MW-2	8.5-9.0	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
MW-3	3.0-3.5	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
MW-3	7.0-7.5	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
MW-3	9.0-9.5	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
MW-4	3.0-3.5	--	2,400	53	<0.15	<0.15	<0.15	0.087
MW-4	7.0-7.5	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
MW-4	9.0-9.5	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
MW-5	3.0	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
MW-5	6.5	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
MW-5	9.0	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
Subsurface Site Investigation, 1993								
B-6	3.0-3.5	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
B-6	7.0-7.5	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
B-6	11.0-11.5	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
B-7	4.5-5.0	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
B-7	5.0-5.5	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
B-7	10.0-10.5	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
B-7	13.5-14.0	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
B-8	6.0-6.5	--	84	180	0.15	0.35	2.1	13
B-8	9.0-9.5	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
B-8	9.0-9.5	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
B-9	10.5-11.0	--	<10	<1.0	<0.003	<0.003	<0.003	<0.003
Hydraulic Lift Removal, August 1999								
EB-1	10.5	22,000	--	--	<0.005	0.0063	0.012	0.045
EB-2	9.0	35	--	--	<0.005	<0.005	<0.005	<0.005
EB-3	9.0	48,000	--	--	0.034	0.21	0.03	0.16

TABLE 3
Historical Analytical Results of Soil after UST Removals
 USPS Oakland VMF
 Oakland, CA

Sample ID	Sample Depth (feet)	TRPH (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylene (mg/kg)
Monitoring Well Installations								
EB-4	13.0	90	--	--	<0.005	<0.005	<0.005	<0.005
EB-5	7.5	<25	--	--	<0.005	<0.005	<0.005	<0.005
EB-6	12.0	37	--	--	<0.005	<0.005	<0.005	<0.005
Hydraulic Lift Removal, March 2000								
EB-7	7.5	<50	--	--	<0.005	<0.005	<0.005	<0.005
EB-7	10.5	<50	--	--	<0.005	<0.005	<0.005	<0.005
EB-8	7.5	<50	--	--	<0.005	<0.005	<0.005	<0.005
EB-8	10.5	<50	--	--	<0.005	<0.005	<0.005	<0.005
EB-9	9.5	<50	--	--	<0.005	<0.005	<0.005	<0.005
EB-9	12.5	<50	--	--	<0.005	<0.005	<0.005	<0.005
EB-10	7.5	<50	--	--	<0.005	<0.005	<0.005	<0.005
EB-10	10.5	<50	--	--	<0.005	<0.005	<0.005	<0.005
EB-11	7.5	<50	--	--	<0.005	<0.005	<0.005	<0.005
EB-11	10.5	<50	--	--	<0.005	<0.005	<0.005	<0.005
EB-12	7.5	<50	--	--	<0.005	<0.005	<0.005	<0.005
EB-12	9.5	<50	--	--	<0.005	<0.005	<0.005	<0.005
EB-13	7.5	<50	--	--	<0.005	<0.005	<0.005	<0.005
EB-13	9.5	<50	--	--	<0.005	<0.005	<0.005	<0.005
Soil ESLs ⁽¹⁾		--	100	100	0.044	2.9	3.3	2.3

Notes

TRPH

TPHg = Total petroleum hydrocarbons as gasoline

TPHd = Total petroleum hydrocarbons as diesel

mg/kg = milligrams per kilogram

⁽¹⁾ = Environmental Screening Level, CRWQCB, SF Bay Region, rev. May 2013.

TABLE 1

**HISTORIC ANALYTICAL SUMMARY
UST REMOVAL
USPS, VEHICLE MAINTENANCE FACILITY
1675 7th STREET, OAKLAND, CALIFORNIA**

Sampling Event	Sample Type / Map ID	TPH-g	TPH-d	Benzene	Toluene	Ethylbenzene	Total Xylenes
November, 1991							
5,000-Gallon Gasoline UST	Soil / S-1	3.4	260	0.80	0.0068	0.015	0.12
	Soil / S-2	76	1200	0.59	0.23	3.5	52
10,000-Gallon Diesel UST	Soil / S-3a	59	2000	0.27	0.79	1.4	5.3
	Soil / S-3b	ND	ND	ND	ND	ND	ND
10,000-Gallon Diesel UST	Soil / S-4a	150	220	7.5	19	8.9	32
	Soil / S-4b	620	2500	37	1.6	53	130
750-Gallon Waste-Oil UST	Soil / S-5	ND	ND	0.0068	ND	ND	ND
Pump Island and Product Lines	Soil / S-6	36	1.4	11	0.36	0.82	8.1
	Soil / S-7	210	7900	ND	0.45	1.4	14
	Soil / S-8	610	2,900	3.4	60	27	170
June, 1992							
10,000-Gallon Diesel UST	Soil / S-North	--	ND	ND	ND	ND	ND
	Soil / S-South	--	ND	ND	ND	ND	ND
	Groundwater / GW-1	--	72	0.0038	ND	ND	0.012

NOTES:

Results are presented in milligrams per kilogram (mg/kg).

TPH-g = Total Petroleum Hydrocarbons as gasoline.

TPH-d = Total Petroleum Hydrocarbons as diesel.

Approximate sample locations are presented on Figure 2.

ND = Not detected above respective laboratory detection limit.

-- = Not tested.

TABLE 3

**HISTORIC ANALYTICAL SUMMARY
HYDRAULIC LIFT REMOVAL
USPS, VEHICLE MAINTENANCE FACILITY
1675 7th STREET, OAKLAND, CALIFORNIA**

Sampling Event Location	Sample Type / Map ID	TRPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
August, 1999 Hydraulic Lifts	Soil / EB-1 (10.5')	22,000	ND <0.005	0.0063	0.012	0.045
	Soil / EB-2 (9.0')	35	ND <0.005	ND <0.005	ND <0.005	ND <0.005
	Soil / EB-3 (9.0')	48,000	0.034	0.21	0.03	0.16
	Soil / EB-4 (13.0')	90	ND <0.005	ND <0.005	ND <0.005	ND <0.005
	Soil / EB-5 (7.5')	ND <25	ND <0.005	ND <0.005	ND <0.005	ND <0.005
	Soil / EB-6 (12.0')	37	ND <0.005	ND <0.005	ND <0.005	ND <0.005
	Groundwater / EB-1-GW	61	0.00056	0.0037	0.0014	0.01
	Groundwater / EB-3-GW	38	0.0065	0.014	0.0027	0.016
	Groundwater / EB-6-GW	9.3	ND <0.0005	0.00082	0.00091	0.0036
March, 2000 Hydraulic Lifts	Soil / EB-7 (7.5')	ND <50	ND <0.005	ND <0.005	ND <0.005	ND <0.005
	Soil / EB-7 (10.5')	ND <50	ND <0.005	ND <0.005	ND <0.005	ND <0.005
	Soil / EB-8 (7.5')	ND <50	ND <0.005	ND <0.005	ND <0.005	ND <0.005
	Soil / EB-8 (10.5')	ND <50	ND <0.005	ND <0.005	ND <0.005	ND <0.005
	Soil / EB-9 (9.5')	ND <50	ND <0.005	ND <0.005	ND <0.005	ND <0.005
	Soil / EB-9 (12.5')	ND <50	ND <0.005	ND <0.005	ND <0.005	ND <0.005
	Soil / EB-10 (7.5')	ND <50	ND <0.005	ND <0.005	ND <0.005	ND <0.005
	Soil / EB-10 (10.5')	ND <50	ND <0.005	ND <0.005	ND <0.005	ND <0.005
	Soil / EB-11 (7.5')	ND <50	ND <0.005	ND <0.005	ND <0.005	ND <0.005
	Soil / EB-11 (10.5')	ND <50	ND <0.005	ND <0.005	ND <0.005	ND <0.005
	Soil / EB-12 (7.5')	ND <50	ND <0.005	ND <0.005	ND <0.005	ND <0.005
	Soil / EB-12 (9.5')	ND <50	ND <0.005	ND <0.005	ND <0.005	ND <0.005
	Soil / EB-13 (7.5')	ND <50	ND <0.005	ND <0.005	ND <0.005	ND <0.005
	Soil / EB-13 (9.5')	ND <50	ND <0.005	ND <0.005	ND <0.005	ND <0.005
	Groundwater / EB-7-GW	ND <0.16	ND <0.00005	ND <0.00005	ND <0.00005	ND <0.00005
Groundwater / EB-8-GW	ND <0.16	ND <0.00005	ND <0.00005	ND <0.00005	ND <0.00005	
Groundwater / EB-9-GW	ND <0.14	ND <0.00005	ND <0.00005	ND <0.00005	ND <0.00005	
Groundwater / EB-10-GW	ND <0.15	ND <0.00005	ND <0.00005	ND <0.00005	ND <0.00005	
Groundwater / EB-11-GW	ND <0.14	ND <0.00005	ND <0.00005	ND <0.00005	ND <0.00005	
Groundwater / EB-12-GW	ND <0.10	ND <0.00005	ND <0.00005	ND <0.00005	ND <0.00005	
Groundwater / EB-13-GW	ND <0.13	ND <0.00005	ND <0.00005	ND <0.00005	ND <0.00005	

NOTES:
 Results are presented in parts per million.
 ND = Not detected (laboratory detection limit shown in parentheses).
 -- = Not tested.
 Approximate sample locations are presented on Figure 3.
 TRPH = Total Recoverable Petroleum Hydrocarbons.

APPENDIX A: TABLE A-1
Historical Analytical Results of Monitoring Well Groundwater Samples
 USPS Oakland VMF
 Oakland, CA

(concentrations in micrograms per liter [µg/L])

Monitoring Well	Date	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
MW-1	9/1/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-1	1/26/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-1	3/1/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-1	6/1/1994	<50	73	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-1	2/22/1995	<50	600	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-1	6/6/1995	<50	900	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-1	8/16/1995	<50	810	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-1	11/14/1995	<50	590	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-1	5/16/1996	NA	900	NA	NA	NA	NA	NA	NA
MW-1	11/15/1996	NA	330	NA	NA	NA	NA	NA	NA
MW-1	3/11/2002	<500	<400	<0.5	<0.5	<0.5	<1.0	<1.0	NA
MW-1	6/19/2002	<50	222	<0.5	<0.5	<0.5	<1.0	1.2	<0.5
MW-1	9/26/2002	<50	519	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
MW-1	12/5/2002	<50	261	<0.5	<0.5	<0.5	<1.0	1.2	<0.5
MW-1	1/3/2011	<50	161	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0
MW-1	2/15/2012	<50	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0
MW-1	8/15/2012	<50	<52	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0
MW-1	4/15/2013	<50	110	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0
MW-2	9/1/1993	<50	<50	<0.5	<0.5	<0.5	<1.0	NA	NA
MW-2	1/26/1994	<50	<50	<0.5	<0.5	<0.5	<1.0	NA	NA
MW-2	3/1/1994	<50	<50	<0.5	<0.5	<0.5	<1.0	NA	NA
MW-2	6/1/1994	<50	<50	<0.5	<0.5	<0.5	<1.0	NA	NA
MW-2	2/22/1995	<50	280	<0.5	<0.5	<0.5	<1.0	NA	NA
MW-2	6/6/1995	<50	570	<0.5	<0.5	<0.5	<1.0	NA	NA
MW-2	8/16/1995	<50	150	<0.5	<0.5	<0.5	<1.0	NA	NA
MW-2	11/14/1995	<50	<50	<0.5	<0.5	<0.5	<1.0	NA	NA
MW-2	5/16/1996	NA	320	NA	NA	NA	NA	NA	NA
MW-2	11/15/1996	NA	<50	NA	NA	NA	NA	NA	NA
MW-2	3/11/2002	<50	<400	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5
MW-2	6/19/2002	<50	<50	<0.5	<0.5	<0.5	<1.0	0.9	<0.5
MW-2	9/26/2002	<50	<50	<0.5	<0.5	<0.5	<1.0	4.2	<0.5
MW-2	12/5/2002	<50	80.9	<0.5	<0.5	<0.5	<1.0	1.4	<0.5
MW-2	1/3/2011	<50	<94	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0
MW-2	2/15/2012	<50	<51	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0
MW-2	8/15/2012	<50	<52	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0
MW-2	4/15/2013	<50	170	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0
MW-3	9/1/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-3	1/26/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-3	3/1/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-3	6/1/1994	NS	NS	NS	NS	NS	NS	NS	NS
MW-3	2/22/1995	50	350	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-3	6/6/1995	<50	380	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-3	8/16/1995	<50	440	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-3	11/14/1995	<50	200	0.8	<0.5	<0.5	<0.5	NA	NA
MW-3	5/16/1996	NA	1,100	NA	NA	NA	NA	NA	NA
MW-3	11/15/1996	NA	470	NA	NA	NA	NA	NA	NA
MW-3	3/11/2002	<500	540	<0.5	<0.5	<0.5	<1.0	3.8	<0.5
MW-3	6/19/2002	<50	407	<0.5	<0.5	<0.5	<1.0	4.9	<0.5
MW-3	9/26/2002	<50	741	<0.5	<0.5	<0.5	<1.0	4.4	<0.5
MW-3	12/5/2002	<50	397	<0.5	<0.5	<0.5	<1.0	5.4	<0.5
MW-3	1/3/2011	<50	209	<1.0	<1.0	<1.0	<2.0	2.4	<5.0
MW-3	2/15/2012	<50	<58	<0.5	<0.5	<0.5	<1.0	2.4	<1.0
MW-3	8/15/2012	<50	57	<0.5	<0.5	<0.5	<1.0	2.8	<1.0
MW-3	4/15/2013	<50	240	<0.5	<0.5	<0.5	<1.0	1.9	<1.0
MW-4	9/1/1993	<50	580	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-4	1/26/1994	<50	850	0.8	<0.5	<0.5	<0.5	NA	NA

APPENDIX A: TABLE A-1
Historical Analytical Results of Monitoring Well Groundwater Samples
 USPS Oakland VMF
 Oakland, CA

Monitoring Well	Date	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
MW-4	3/1/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-4	6/1/1994	<50	260	1.7	<0.5	<0.5	<0.5	NA	NA
MW-4	2/22/1995	140	1,100	1.4	<0.5	<0.5	<0.5	NA	NA
MW-4	6/6/1995	24,000	23,000	<0.5	<0.5	0.5	<0.5	NA	NA
MW-4	8/16/1995	2,000	3,400	1.2	<0.5	1	0.8	NA	NA
MW-4	11/14/1995	950	7,400	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-4	5/16/1996	<50	2,000	<0.5	<0.5	<0.5	<1.0	NA	NA
MW-4	11/15/1996	600	13,000	0.78	<0.5	0.94	<1.0	NA	NA
MW-4	3/11/2002	NS	NS	<0.5	<0.5	<0.5	<1.0	8.5	26
MW-4	6/19/2002	228	235,000	<2.5	<2.5	<2.5	<5.0	14.1	44.1
MW-4	9/26/2002	<50	16,400	<0.5	<0.5	<0.5	<1.0	6.5	<0.5
MW-4	12/5/2002	<50	513	<0.5	<0.5	<0.5	<1.0	9.3	<0.5
MW-4	1/3/2011	<50	6,620	<1.0	<1.0	<1.0	<2.0	3.3	2.3
MW-4	2/15/2012	290	14,000	<0.5	<0.5	<0.5	<1.0	3	<1.0
MW-4	8/15/2012	180	4,500	<0.5	<0.5	<0.5	<1.0	2	<1.0
MW-4	4/15/2013	83	2,500	<0.5	<0.5	<0.5	<1.0	2.2	<1.0
MW-5	9/1/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-5	1/26/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-5	3/1/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-5	6/1/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA
MW-5	Well MW-5 abandoned in January 1995 (PSI 2003)								
MW-6	9/26/2002	<50	<50	<0.5	3.8	<0.5	<1.0	<0.5	<0.5
MW-6	12/5/2002	<50	<50	<0.5	<0.5	<0.5	<1.0	0.6	<0.5
MW-6	1/3/2011	<50	<94	<1.0	<1.0	<1.0	<2.0	0.54	<5.0
MW-6	2/15/2012	<50	<52	<0.5	<0.5	<0.5	<1.0	0.87	<1.0
MW-6	8/15/2012	<50	<52	<0.5	<0.5	<0.5	<1.0	0.6	<1.0
MW-6	4/15/2013	<50	73	<0.5	<0.5	<0.5	<1.0	0.81	<1.0

Notes

< = Indicates that the compound was not detected at or above the stated laboratory reporting limit

NA = Not analyzed

NS = Not sampled