

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
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

November 6, 2015

Mr. Jesse Barajas (Sent via e-mail to: JBarajas@alamedaca.gov)
City of Alameda Public Works Department
950 W Mall Square #110
Alameda, CA 94501

Subject: Case Closure for Fuel Leak Case No. RO0003011 and GeoTracker Global ID T10000001614,
City of Alameda Maintenance Services, 1616 Fortmann Way, Alameda, CA 94501

Dear Mr. Barajas:

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.waterboards.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 as a City of Alameda Maintenance Service center. Site Management Requirements are further described in Additional Comments of the attached Case Closure Summary.

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

Sincerely,

A handwritten signature in blue ink that reads "Dilan Roe".

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

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

cc with enclosure:

Susan Hugo, Alameda County Environmental Health, (Send via e-mail to: susan.hugo@acgov.org)
Gary Lieberman, AMEC (Sent via e-mail to: gary.lieberman@amec.com)
Karel Detterman, ACEH, (sent via electronic mail to karel.detterman@acgov.org)
Dilan Roe, ACEH, (sent via e-mail to: dilan.roe@acgov.org)
Electronic File, GeoTracker

REMEDIAL ACTION COMPLETION CERTIFICATION

November 6, 2015

Mr. Jesse Barajas
City of Alameda Public Works Department
950 W Mall Square #110
Alameda, CA 94501
(Sent via e-mail to: JBarajas@alamedaca.gov)

Subject: Case Closure for Fuel Leak Case No. RO0003011 and GeoTracker Global ID T10000001614,
City of Alameda Maintenance Services, 1616 Fortmann Way, Alameda, CA 94501

Dear Mr. Barajas:

This letter confirms the completion of a site investigation and remedial action for the fuel spill 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,



Ronald Browder
Acting Director

UST Case Closure Summary Form

Agency Information

Date: November 6, 2015

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

Case Information

Facility Name: City of Alameda Maintenance Services		
Facility Address: 1616 Fortmann Way, Alameda, CA 94501		
RB LUSTIS Case No: ----	Local Case No.: ---	LOP Case No.: RO0003011
URF Filing Date: March 10, 2009	GeoTracker Global ID: T10000001614	
APN: 72-381-18	Current Land Use: Municipal Maintenance and Fueling Facility	
Responsible Party(s):	Address:	Phone:
City of Alameda Public Works Department c/o: Jesse Barajas (sent via e-mail to: jbarajas@alamedaca.gov)	950 W Mall Square #110 Alameda, CA 94501	----

Tank Information (Delete table if Tank info becomes a tab in GeoTracker and included in CSM Report)

Tank No.	Size (gal)	Contents	Closed in-Place/ Removed/Active	Date
1	6,000	Gasoline	Active	November 6, 2015
2	1,000	Gasoline	Active	November 6, 2015
3	1,000	Red Dye Diesel	Active	November 6, 2015

Conceptual Site Model (Attachment 1, 1 page)

Low Threat Closure Policy (LTCP) Checklist (Attachment 2, 1 page)

LTCP Groundwater Specific Criteria (Attachment 3, 1 page)

LTCP Vapor Specific Criteria (Attachment 4, 1 page)

LTCP Direct Contact and Outdoor Air Exposure Criteria (Attachment 5, 1 page)

Site Maps (Attachment 6, 4 pages)

Analytical Data (Attachment 7, 4 pages)

UST Case Closure Summary Form

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). Residual concentrations of polyaromatic hydrocarbons (PAHs) were detected in site soil between depths of 0 to 5 feet, two PAH concentrations exceeding the LTCP's Commercial/Industrial and Utility Worker benzo(a)pyrene toxicity equivalent. Under the current land use as City of Alameda Maintenance Service center including an active municipal fueling station, the site is entirely paved and exposure to site soils is negligible, except in controlled conditions under the current commercial land use resulting in a low potential for direct contact exposure under the current land use. Therefore, case closure is granted for the current commercial land use as City of Alameda Maintenance Service center including an active fueling station.

If there is a change in land use to any residential, or 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. ACEH will re-evaluate the case upon receipt of approved development/construction plans.



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.

RWQCB Notification

Notification Date: April 13, 2015

RWQCB Staff Name: Cherie McCaulou	Title: Engineering Geologist
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Local Agency Representative

Prepared by: Karel Detterman, PG	Title: Hazardous Materials Specialist
Signature: 	Date: 11/19/2015
Approved by: Dilan Roe, PE	Title: LOP and SCP Program Manager
Signature: 	Date: 11/19/2015

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. The Conceptual Site Model may not contain all available data. 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 of 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.

ATTACHMENT 1

CITY OF ALAMEDA MAINTENANCE SERVICES CENTER

CSM Report

[GEOTRACKER HOME](#) | [MANAGE PROJECTS](#) | [REPORTS](#) | [SEARCH](#) | [LOGOUT](#)

CITY OF ALAMEDA MAINTENANCE SERVICES CENTER (T10000001614) - [MAP THIS SITE](#)

COMPLETED - CASE CLOSED

1616 FORTMANN WAY
ALAMEDA, CA 94501
ALAMEDA COUNTY

[ACTIVITIES REPORT](#)

[PUBLIC WEBPAGE](#)

[VIEW PRINTABLE CASE SUMMARY FOR THIS SITE](#)

CLEANUP OVERSIGHT AGENCIES

ALAMEDA COUNTY LOP (**LEAD**) - CASE #: RO0003011
CASEWORKER: **KAREL DETTERMAN** - SUPERVISOR: DILAN ROE
SAN FRANCISCO BAY RWQCB (REGION 2)
CASEWORKER: **Cherie McCaulou** - SUPERVISOR: Cheryl L. Prowell

CR Site ID #: NOT SPECIFIED

THIS PROJECT WAS LAST MODIFIED BY **KAREL DETTERMAN** ON 11/20/2015 10:32:43 AM - [HISTORY](#)

THIS SITE HAS SUBMITTALS. CLICK [HERE](#) TO OPEN A NEW WINDOW WITH THE SUBMITTAL APPROVAL PAGE FOR THIS SITE.

CSM REPORT - [VIEW PUBLIC NOTICING VERSION OF THIS REPORT](#)

UST CLEANUP FUND CLAIM INFORMATION (DATA PULLED FROM SCUFIS)

CLAIM NO	PRIORITY	CLAIMANT	SITE ADDRESS	AMT REIMB TO DATE	AGE OF LOC	IMPACTED WELLS?	REVIEW NUM	REVIEWER	FIVE YEAR REVIEW INFORMATION		
									FUND RECOMMENDATION	TO OVERSIGHT DATE	TO CLAIMANT DATE

PROJECT INFORMATION (DATA PULLED FROM GEOTRACKER) - [MAP THIS SITE](#)

SITE NAME / ADDRESS	STATUS	STATUS DATE	RELEASE REPORT DATE	AGE OF CASE	CLEANUP OVERSIGHT AGENCIES
CITY OF ALAMEDA MAINTENANCE SERVICES CENTER (Global ID: T10000001614) 1616 FORTMANN WAY ALAMEDA, CA 94501	Completed - Case Closed	11/19/2015	3/10/2009	7	ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0003011 CASEWORKER: KAREL DETTERMAN - SUPERVISOR: DILAN ROE SAN FRANCISCO BAY RWQCB (REGION 2) CASEWORKER: Cherie McCaulou - SUPERVISOR: Cheryl L. Prowell

STAFF NOTES (INTERNAL)
<NO STAFF NOTES ENTERED>

SITE HISTORY
Not all historic documents for the fuel leak case may be available on Geotracker. A complete case file for this site is located on the Alameda County Environmental Health website at: <http://www.acgov.org/aceh/top/ust.htm>
The site is currently in use as a municipal service facility including a active fueling station. On February 5, 2009, during a fuel delivery to the City of Alameda Maintenance Services facility, the diesel UST was overfilled, diesel fuel entered the fuel vent line, and was released onto the surface. On March 10, 2009 the City of Alameda completed an Unauthorized Release Form (URF), but no soil or groundwater samples were collected to determine the extent of the release.
Two investigations were conducted to determine the extent of the diesel release into the subsurface. Soil and groundwater samples collected to determine the extent of contamination indicated that there are residual concentrations of Total Petroleum Hydrocarbons as diesel (TPHd) and polyaromatic hydrocarbons (PAHs) in site soil between depths of 0 to 5 feet. A grab groundwater sample detected methyl tert butyl ether (MTBE) at a concentration of 12 micrograms per liter but no TPHd, benzene, toluene, ethylbenzene, or xylenes (BTEX) or PAHs. As a City of Alameda Maintenance Services facility is entirely paved and exposure to site soils is limited, except in controlled conditions under the current commercial land use. Therefore the case has been closed under the LTCP.

RESPONSIBLE PARTIES				
NAME	ORGANIZATION	ADDRESS	CITY	EMAIL
JESSE BARAJAS	City of Alameda Public Works	950 W. MALL SQUARE #110	ALAMEDA	jbarajas@alamedaca.gov

CLEANUP ACTION INFO
NO CLEANUP ACTIONS HAVE BEEN REPORTED

RISK INFORMATION		VIEW LTCP CHECKLIST	VIEW PATH TO CLOSURE PLAN	VIEW CASE REVIEWS			
CONTAMINANTS OF CONCERN	CURRENT LAND USE	BENEFICIAL USE	DISCHARGE SOURCE	DATE REPORTED	STOP METHOD	NEARBY / IMPACTED WELLS	
Diesel	Industrial	GW - Municipal and Domestic Supply	Delivery Problem	3/10/2009	Other Means	0	
FREE PRODUCT	OTHER CONSTITUENTS	NAME OF WATER SYSTEM	LAST REGULATORY ACTIVITY	LAST ESI UPLOAD	LAST EDF UPLOAD	EXPECTED CLOSURE DATE	MOST RECENT CLOSURE REQUEST
NO	NO	EBMUD	4/13/2015	4/4/2014	11/5/2013		

CDPH WELLS WITHIN 1500 FEET OF THIS SITE
NONE

CALCULATED FIELDS (BASED ON LATITUDE / LONGITUDE)		
APN	GW BASIN NAME	WATERSHED NAME
072 038100800	Santa Clara Valley - East Bay Plain (2-9.04)	South Bay - East Bay Cities (204.20)
COUNTY	PUBLIC WATER SYSTEM(S)	
Alameda	EAST BAY MUD - 375 ELEVENTH STREET, OAKLAND, CA 94607	

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN GROUNDWATER - HIDE								VIEW ESI SUBMITTALS
FIELD PT NAME	DATE	TPH _g	BENZENE ND	TOLUENE ND	ETHYL-BENZENE ND	XYLENES ND	MTBE 12 UG/L	TBA
SB-3	9/4/2013							

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN SOIL - HIDE								VIEW ESI SUBMITTALS
FIELD PT NAME	DATE	TPH _g	BENZENE ND	TOLUENE ND	ETHYL-BENZENE ND	XYLENES ND	MTBE ND	TBA
SB-1	9/4/2013		ND	ND	ND	ND	ND	
SB-10	9/4/2013		ND	ND	ND	ND	ND	
SB-11	9/4/2013		ND	ND	ND	ND	ND	
SB-12	9/4/2013		ND	ND	ND	ND	ND	
SB-2	9/4/2013		ND	ND	ND	ND	4.3 UG/KG	
SB-3	9/4/2013		ND	ND	ND	ND	ND	
SB-4	9/4/2013		ND	ND	ND	ND	9.7 UG/KG	
SB-5	9/4/2013		ND	ND	ND	ND	ND	
SB-6	9/4/2013		ND	ND	ND	ND	ND	
SB-7	9/4/2013		ND	ND	ND	ND	ND	
SB-8	9/4/2013		ND	ND	ND	ND	8.7 UG/KG	
SB-9	9/4/2013		ND	ND	ND	ND	ND	

MOST RECENT GEO_WELL DATA - [HIDE](#)
NO GEO_WELL DATA HAS BEEN SUBMITTED TO GEOTRACKER ESI FOR THIS SITE [VIEW ESI SUBMITTALS](#)

ATTACHMENT 2

LTCP Checklist

[GEOTRACKER HOME](#) | [MANAGE PROJECTS](#) | [REPORTS](#) | [SEARCH](#) | [LOGOUT](#)

CITY OF ALAMEDA MAINTENANCE SERVICES CENTER (T10000001614) - [MAP THIS SITE](#)

OPEN - ELIGIBLE FOR CLOSURE

1616 FORTMANN WAY
ALAMEDA, CA 94501
ALAMEDA COUNTY

[ACTIVITIES REPORT](#)
[PUBLIC WEBPAGE](#)

CLEANUP OVERSIGHT AGENCIES

ALAMEDA COUNTY LOP (LEAD) - CASE #: R00003011
CASEWORKER: [KAREL DETTERMAN](#) - SUPERVISOR: DILAN ROE
SAN FRANCISCO BAY RWQCB (REGION 2)
CASEWORKER: [Chene McCaulou](#) - SUPERVISOR: Cheryl L. Prowell

CR Site ID #: NOT SPECIFIED

[VIEW PRINTABLE CASE SUMMARY FOR THIS SITE](#)

THIS PROJECT WAS LAST MODIFIED BY [KAREL DETTERMAN](#) ON 11/5/2015 3:09:41 PM - [HISTORY](#)

THIS SITE HAS SUBMITTALS. [CLICK HERE](#) TO OPEN A NEW WINDOW WITH THE SUBMITTAL APPROVAL PAGE FOR THIS SITE.

CLOSURE POLICY

THIS VERSION IS FINAL AS OF 11/5/2015

CHECKLIST INITIATED ON 7/26/2013

[CLOSURE POLICY HISTORY](#)

General Criteria - The site satisfies the policy general criteria - [CLEAR SECTION ANSWERS](#)

a. Is the unauthorized release located within the service area of a public water system?

Name of Water System :

EBMUD

YES NO

b. The unauthorized release consists only of petroleum ([info](#)).

YES NO

c. The unauthorized ("primary") release from the UST system has been stopped.

YES NO

d. Free product has been removed to the maximum extent practicable ([info](#)).

FP Not Encountered YES NO

e. A conceptual site model that assesses the nature, extent, and mobility of the release has been developed ([info](#)).

YES NO

f. Secondary source has been removed to the extent practicable ([info](#)).

YES NO

g. Soil or groundwater has been tested for MTBE and results reported in accordance with Health and Safety Code Section 25296.15.

Not Required YES NO

h. Does a nuisance exist, as defined by [Water Code section 13050](#).

YES NO

1. Media-Specific Criteria: Groundwater - The contaminant plume that exceeds water quality objectives is stable or decreasing in areal extent, and meets all of the additional characteristics of one of the five classes of sites listed below. - [CLEAR SECTION ANSWERS](#)

EXEMPTION - Soil Only Case (Release has not Affected Groundwater - [Info](#))

YES NO

Does the site meet any of the Groundwater specific criteria scenarios?

YES NO

1.1 - The contaminant plume that exceeds water quality objectives is <100 feet in length. There is no free product. The nearest existing water supply well or surface water body is >250 feet from the defined plume boundary.

YES NO

2. Media Specific Criteria: Petroleum Vapor Intrusion to Indoor Air - The site is considered low-threat for the vapor-intrusion-to-air pathway if site-specific conditions satisfy items 2a, 2b, or 2c - [CLEAR SECTION ANSWERS](#)

EXEMPTION - Active Commercial Petroleum Fueling Facility

YES NO

3. Media Specific Criteria: Direct Contact and Outdoor Air Exposure - The site is considered low-threat for direct contact and outdoor air exposure if it meets 1, 2, or 3 below. - [CLEAR SECTION ANSWERS](#)

EXEMPTION - The upper 10 feet of soil is free of petroleum contamination

YES NO

Does the site meet any of the Direct Contact and Outdoor Air Exposure criteria scenarios?

YES NO

3.3 - The regulatory agency has determined the concentration of petroleum constituents in soil will have no significant risk or adversely affect human health.

YES NO

Additional Information

This case should be kept OPEN in spite of meeting policy criteria.

YES NO

Has this LTCP Checklist been updated for FY 15/16?

YES NO

[SPELL CHECK](#)

LOGGED IN AS KDETTERMAN

[CONTACT GEOTRACKER HELP](#)

ATTACHMENT 3

**ATTACHMENT 3
LTCP GROUNDWATER SPECIFIC CRITERIA**

LTCP Groundwater Specific Scenario under which case was closed: Scenario 5						
Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3 Criteria	LTCP Scenario 4 Criteria	
Plume Length	<100 feet	<100 feet	<250 feet	<250 feet	<1,000 feet	
Free Product	No free product	No free product	No free product	Removed to maximum extent practicable	No free product	
Plume Stable or Decreasing	Stable	Stable or decreasing	Stable or decreasing	Stable or decreasing for minimum of 5 Years	Stable or decreasing	
Distance to Nearest Water Supply Well	1,430 feet	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet	
Distance to Nearest Surface Water and Direction	260 feet	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet	
Property Owner Willing to Accept a Land Use Restriction?	Not applicable for groundwater specific criteria; however, see Site Management Requirements in Additional Information.	Not applicable	Not applicable	Yes	Not applicable	
GROUNDWATER CONCENTRATIONS						
Constituent	Historic Site Maximum (µg/L)	Current Site Maximum (µg/L)	LTCP Scenario 1 Criteria (µg/L)	LTCP Scenario 2 Criteria (µg/L)	LTCP Scenario 3 Criteria (µg/L)	LTCP Scenario 4 Criteria (µg/L)
Benzene	<0.5	<0.5	No criteria	<3,000	No criteria	<1,000
MTBE	12	12	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?				Yes		
<p>Attachment 3 Comments: The site is located approximately 260 feet southeast of the Fortmann Basin, an estuary of the San Francisco Bay. A grab groundwater sample detected methyl tert butyl ether (MTBE) at a concentration of 12 micrograms per liter but no TPHd, benzene, toluene, ethylbenzene, xylenes (BTEX), or PAHs. Groundwater concentrations at the site are less than the San Francisco Bay Estuary Environmental Screening Levels (ESLs) goals.</p> <p>Based on a water well survey conducted for Pennzoil case, there were no water supply wells found to be located within a radius of 2,000 feet downgradient of the site in Alameda. The closest upgradient well appears to be an industrial well located at a closed Fuel Leak case RO0000618, Encinal Terminals, 1521 Buena Vista Avenue, Alameda, a distance of approximately 1,426 feet northwest of the site. Based on the location of the well with respect to the site, the well is not expected to be a receptor for the site.</p>						

ATTACHMENT 4

**ATTACHMENT 4
LTCP VAPOR SPECIFIC CRITERIA**

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

Active Fueling Station		Active as of 8/6/2015					
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 LNAPL	No LNAPL	LNAPL in groundwater	LNAPL in soil	No LNAPL	No LNAPL	No LNAPL	No criteria
Thickness of Bioattenuation Zone Beneath Foundation	<5 feet	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥5 feet	≥5 feet
Total TPH in Soil in Bioattenuation Zone	1,100 mg/kg*	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	<100 mg/kg	No criteria <100 mg/kg
Maximum Current Benzene Concentration in Groundwater	< 0.5 µg/L	No criteria	No criteria	<100 µg/L	≥100 and <1,000 µg/L	<1,000 µg/L	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?	---
--	-----

* TPHd concentration in SB-7 at depth of 3.5 feet below ground surface (bgs)

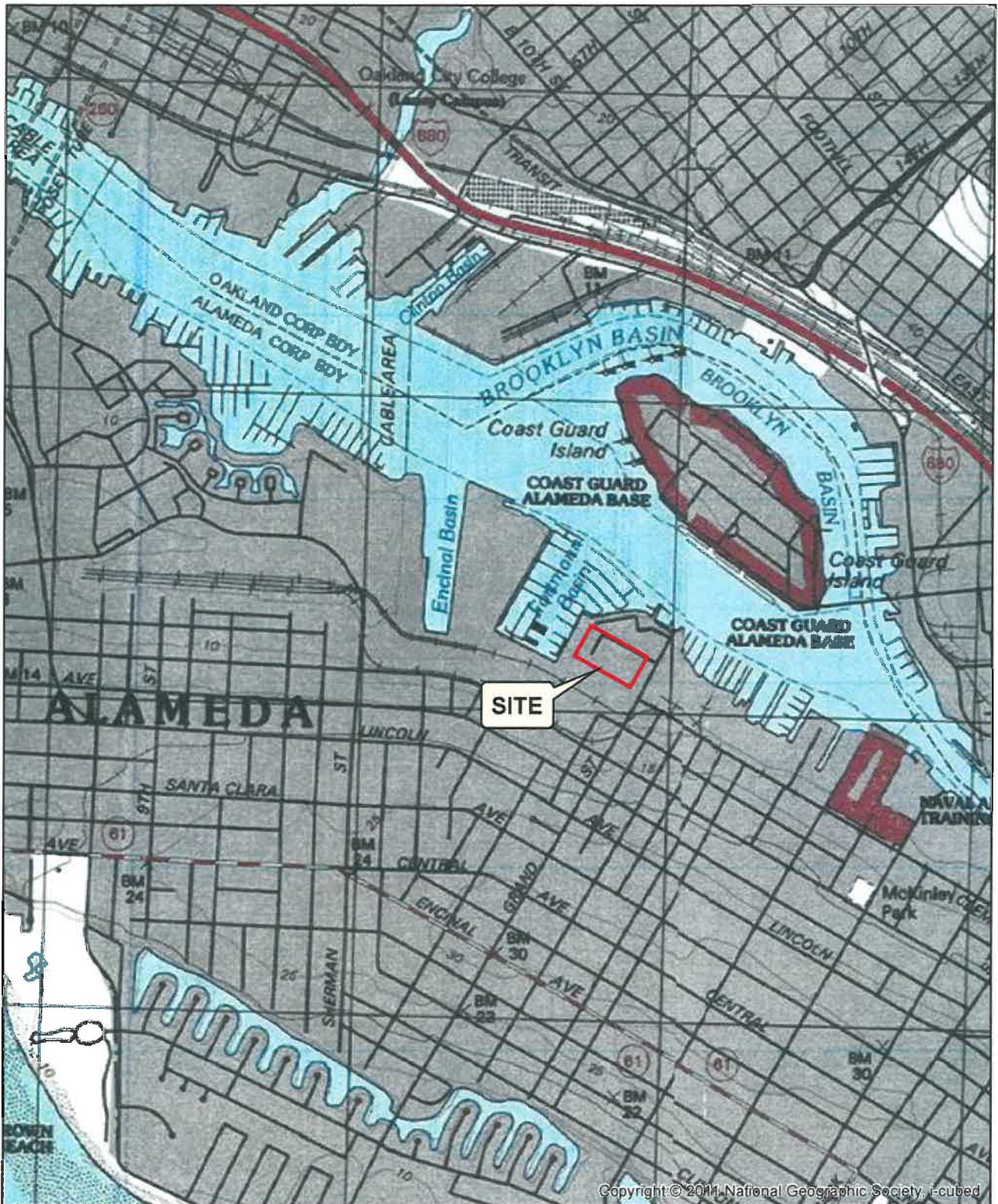
ATTACHMENT 5

**ATTACHMENT 5
LTCP DIRECT CONTACT AND OUTDOOR AIR EXPOSURE CRITERIA**

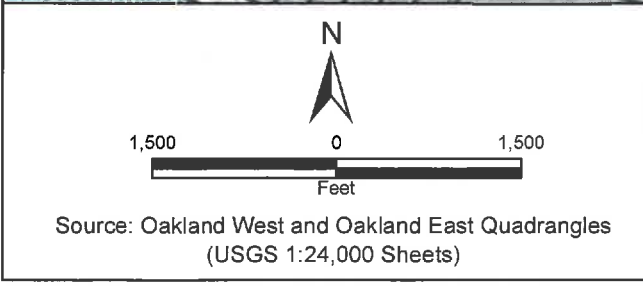
LTCP Direct Contact and Outdoor Air Exposure Specific Scenario under which case was closed: This case should be closed in spite of not meeting the vapor specific media criteria.

Constituent		Are maximum concentrations less than those in Table 1 below?				
		Residential		Commercial/Industrial		Utility Worker
		0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 5 feet bgs (mg/kg)	Volatilization to outdoor air (5 to 10 feet bgs) mg/kg	0 to 10 feet bgs (mg/kg)
Site Maximum	Benzene	0.0039	0.0036	0.0039	0.0036	0.0039
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	0.0039	0.0036	0.0039	0.0036	0.0039
LTCP Criteria	Ethylbenzene	≤21	≤32	≤89	≤134	≤314
Site Maximum	Naphthalene	1.9	0.0072	1.9	0.0072	1.9
LTCP Criteria	Naphthalene	≤9.7	≤9.7	≤45	≤45	≤219
Site Maximum	PAHs	9.2	---	9.2	---	9.2
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?		Yes				
<p>Attachment 5 Comments: Residual concentrations of polyaromatic hydrocarbons (PAHs) exceeding PAH LTCP goals for Commercial/Industrial and Utility Worker benzo(a) pyrene toxicity equivalent were detected between depths of 0 to 5 feet at two locations under the paved parking lot, however, ACEH has determined the PAH risk is low due to the location of the PAHs. Due to Site Management Requirements, 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 future excavation and construction activities.</p>						

ATTACHMENT 6



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SITE AND SURROUNDING AREA MAP
 City of Alameda Maintenance Services Facility
 1616 Fortmann Way
 Alameda, California

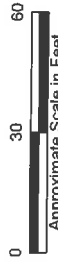
By: TJH	Date: 05/30/2013	Project No. OD13164610
		Figure 1

Thursday, May 30, 2013 3:56:56 PM
 P:\OD13164610-City of Alameda\GIS\Figure1-AreaMap.mxd

EXPLANATION


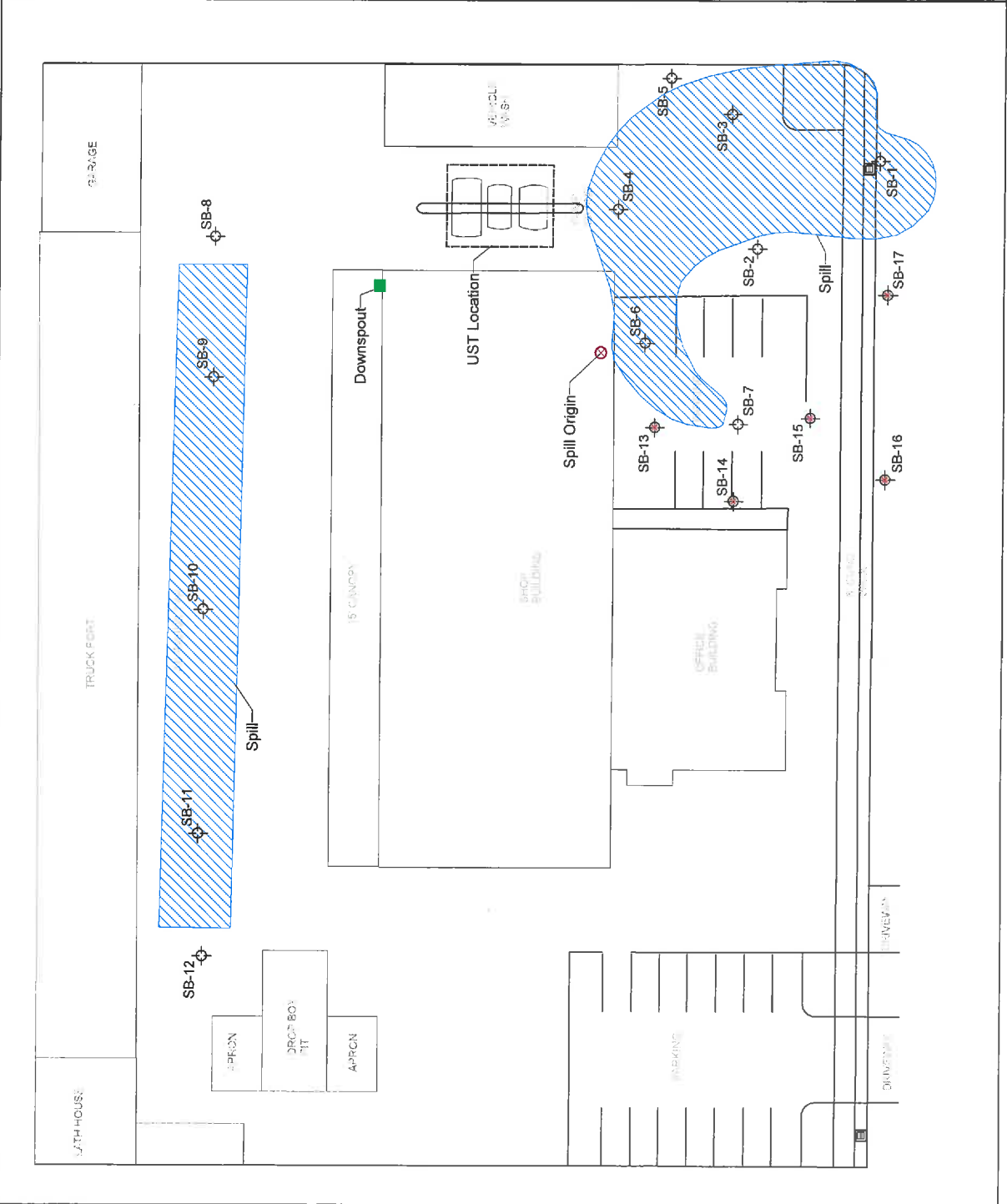
-  Soil Boring Location
April 16, 2014
-  Soil Boring Location
Installed September 4, 2013
-  Spill Area
-  Storm Drain Inlet

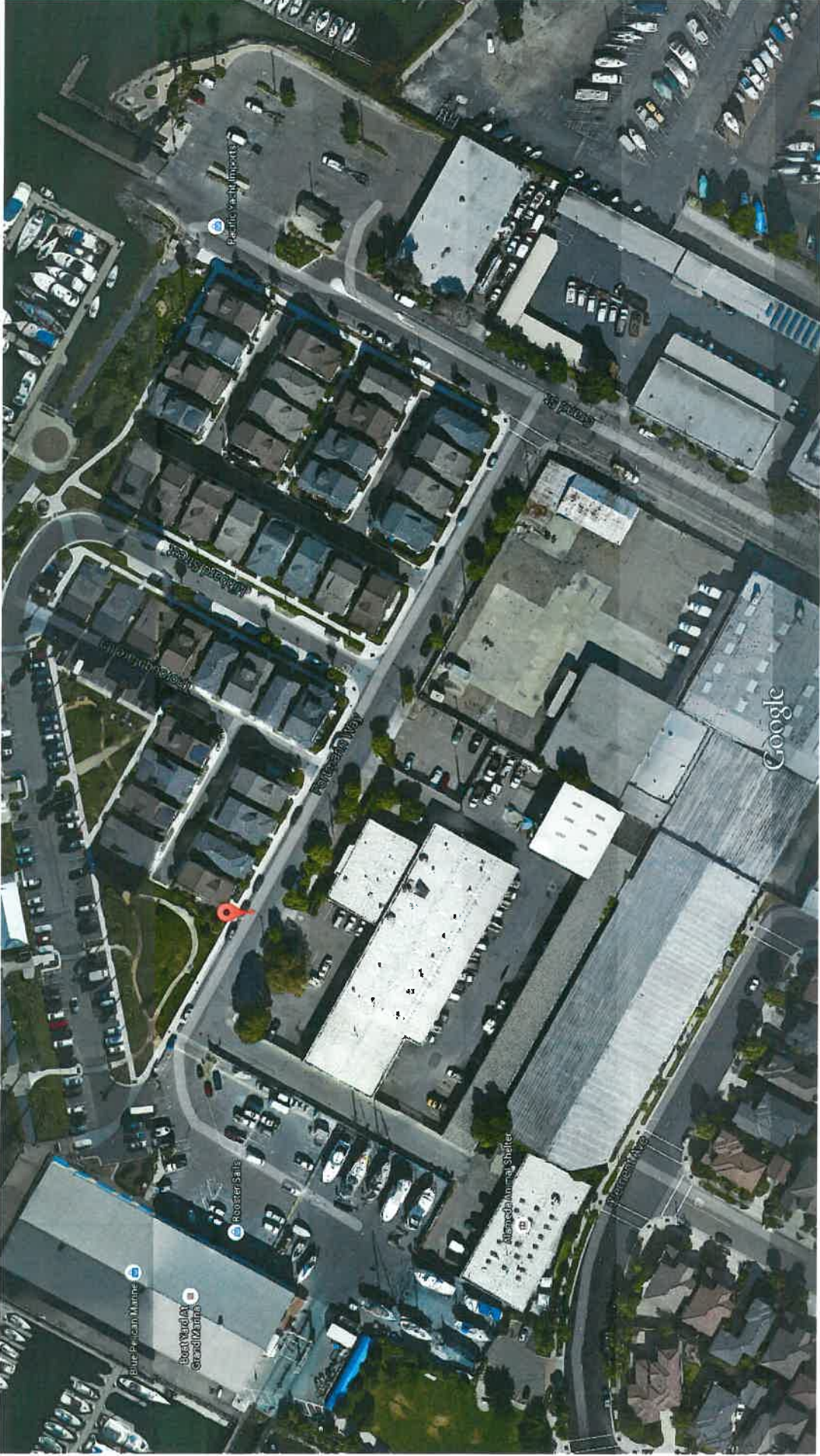



Approximate Scale in Feet

SITE MAP - SOIL BORING LOCATIONS
 City of Alameda Maintenance Services Facility
 1616 Fortmann Way
 Alameda, California

By: T.J.H. Date: 07/03/2014 Project No. OD13164810 Figure **2**



To
1616
Fortmann Way
R00003011

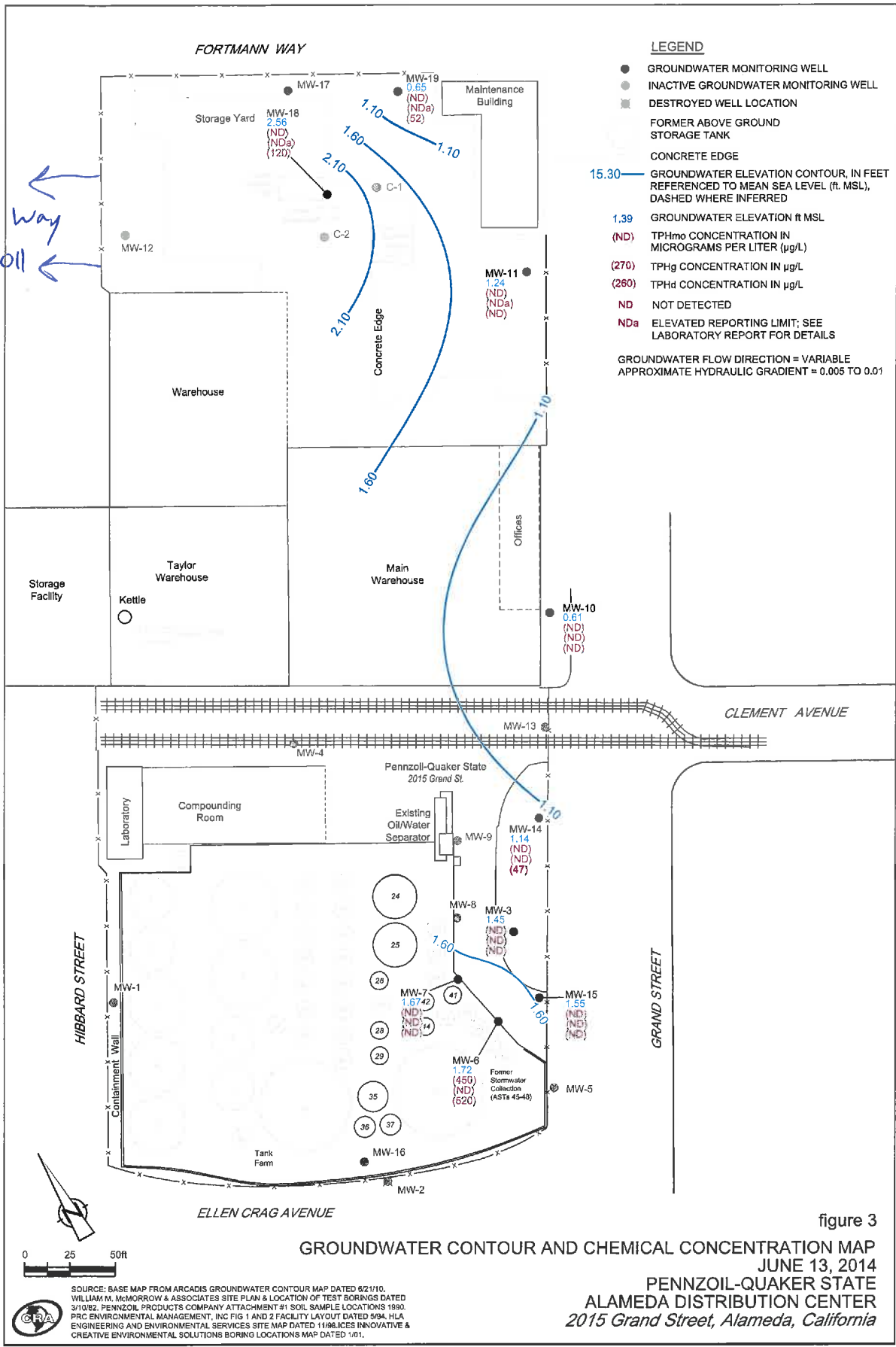


figure 3

GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP
JUNE 13, 2014
PENNZOIL-QUAKER STATE
ALAMEDA DISTRIBUTION CENTER
2015 Grand Street, Alameda, California

SOURCE: BASE MAP FROM ARCADIS GROUNDWATER CONTOUR MAP DATED 6/2/10.
WILLIAM M. McMORROW & ASSOCIATES SITE PLAN & LOCATION OF TEST BORINGS DATED 3/10/02. PENNZOIL PRODUCTS COMPANY ATTACHMENT #1 SOIL SAMPLE LOCATIONS 1990.
PRC ENVIRONMENTAL MANAGEMENT, INC FIG 1 AND 2 FACILITY LAYOUT DATED 5/94. HLA ENGINEERING AND ENVIRONMENTAL SERVICES SITE MAP DATED 1/1983. ICS INNOVATIVE & CREATIVE ENVIRONMENTAL SOLUTIONS BORING LOCATIONS MAP DATED 1/01.

ATTACHMENT 7



TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS
 City of Alameda Maintenance Facility
 Alameda, California

Sample Location	Sample ID	Sample Depth (feet bgs)	Date Collected	Reported Concentrations						
				TPHd (mg/kg)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	Napthalene
SB-1	S-SB1-2	1.5-2	9/4/2013	13	ND(4.5)	ND(4.5)	ND(4.5)	ND(8.9)	ND(4.5)	ND(8.9)
SB-1	S-SB1-5	4.5-5	9/4/2013	51	ND(4.2)	ND(4.2)	ND(4.2)	ND(8.5)	ND(4.2)	ND(8.5)
SB-2	S-SB2-3.5	3-3.5	9/4/2013	6.2	ND(3.8)	ND(3.8)	ND(3.8)	ND(7.6)	4.3	ND(7.6)
SB-2	S-SB2-5	4.5-5	9/4/2013	4.0	ND(3.9)	ND(3.9)	ND(3.9)	ND(7.6)	ND(3.9)	ND(7.6)
SB-3	S-SB3-3	2.5-3	9/4/2013	150	ND(4.3)	ND(4.3)	ND(4.3)	ND(8.5)	ND(4.3)	ND(8.5)
SB-3	S-SB3-5.5	5-5.5	9/4/2013	2.3	ND(3.9)	ND(3.9)	ND(3.9)	ND(7.7)	ND(3.9)	ND(7.7)
SB-4	S-SB4-3	2.5-3	9/4/2013	180	ND(4.2)	ND(4.2)	ND(4.2)	ND(8.4)	ND(4.2)	ND(4.2)
SB-4	S-SB4-5	4.5-5	9/4/2013	ND(0.99)	ND(3.8)	ND(3.8)	ND(3.8)	ND(7.6)	9.7	ND(7.6)
SB-5	S-SB5-2	1.5-2	9/4/2013	110	ND(3.5)	ND(3.5)	ND(3.5)	ND(7.0)	ND(3.5)	ND(7.0)
SB-5	S-SB5-5	4.5-5	9/4/2013	ND(0.99)	ND(3.4)	ND(3.4)	ND(3.4)	ND(6.7)	ND(3.4)	ND(6.7)
SB-6	S-SB6-3	2.5-3	9/4/2013	ND(1.0)	ND(3.4)	ND(3.4)	ND(3.4)	ND(6.8)	ND(3.4)	ND(6.8)
SB-6	S-SB6-5.5	5-5.5	9/4/2013	2.1	ND(4.3)	ND(4.3)	ND(4.3)	ND(8.6)	ND(4.3)	ND(8.6)
SB-7	S-SB7-3.5	3-3.5	9/4/2013	1,100	ND(3.9)	ND(3.9)	ND(3.9)	ND(7.8)	ND(3.9)	180
SB-7	S-SB7-5	4.5-5	9/4/2013	ND(0.99)	ND(3.6)	ND(3.6)	ND(3.6)	ND(7.2)	ND(3.6)	ND(7.2)
SB-8	S-SB8-3	2.5-3	9/4/2013	5.0	ND(4.0)	ND(4.0)	ND(4.0)	ND(7.9)	ND(4.0)	ND(7.9)
SB-8	S-SB8-5	4.5-5	9/4/2013	ND(0.99)	ND(4.5)	ND(4.5)	ND(4.5)	ND(8.9)	8.7	ND(8.9)
SB-9	S-SB9-2	1.5-2	9/4/2013	1.1	ND(3.8)	ND(3.8)	ND(3.8)	ND(7.7)	ND(3.8)	ND(7.7)
SB-9	S-SB9-5	4.5-5	9/4/2013	1.7	ND(5.1)	ND(5.1)	ND(5.1)	ND(10)	ND(5.1)	ND(10)
SB-10	S-SB10-2.5	2-2.5	9/4/2013	28	ND(3.6)	ND(3.6)	ND(3.6)	ND(7.2)	ND(3.6)	ND(7.2)
SB-10	S-SB10-5	4.5-5	9/4/2013	1.1	ND(4.2)	ND(4.2)	ND(4.2)	ND(8.5)	ND(4.2)	ND(8.5)
SB-11	S-SB11-2	1.5-2	9/4/2013	450	ND(3.7)	ND(3.7)	ND(3.7)	ND(7.4)	ND(3.7)	ND(7.4)
SB-11	S-SB11-5	4.5-5	9/4/2013	ND(0.99)	ND(4.5)	ND(4.5)	ND(4.5)	ND(9.1)	ND(4.5)	ND(9.1)
SB-12	S-SB12-2	1.5-2	9/4/2013	4.2	ND(3.6)	ND(3.6)	ND(3.6)	ND(7.1)	ND(3.6)	ND(7.1)
SB-12	S-SB12-5	4.5-5	9/4/2013	ND(0.99)	ND(4.8)	ND(4.8)	ND(4.8)	ND(9.6)	ND(4.8)	ND(9.6)

ESL Residential / Drinking Water	100	44	40,000	3,300	2,300	23	1,200
Commercial / Non Drinking Water ¹	500	1,200	2,900	4,700	11,000	1,800	4,800

Notes:

1 = San Francisco Bay Regional Water Quality Control Board 2013 Tier 1 2013 Non-drinking Water
 Source, Commercial Land Use Environmental Screening Levels

Napthalene analyzed using EPA method 8260B.

Benzene, toluene, ethylbenzene, and total xylenes (BTEX) analyzed using EPA method 8260B.

bgs = below ground surface

ESL = San Francisco Bay Regional Water Quality Control Board 2013 Tier 1 Environmental Screening Levels

mg/kg = milligrams per kilogram

MTBE = methyl tertiary-butyl ether analyzed using EPA method 8260B.

µg/kg = micrograms per kilogram

ND() = Not detected above the laboratory reporting limits (reporting limit in paranthesis).

PAHs = Polynuclear aromatic hydrocarbons analyzed using EPA method 8270-SIM.

TPHd = Total Petroleum Hydrocarbons, diesel range (C10-C28), analyzed using EPA method 8015M, with silica gel strip (EPA method 3630C).



TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS - POLYNUCLEAR AROMATIC COMPOUNDS
City of Alameda Maintenance Facility
Alameda, California

Sample Location	Sample ID	Sample Depth (feet bgs)	Date Collected	Reported Concentrations - PAHs																
				Acenaphthene	Acenaphthylene	Anthracene	Benzofluoranthene	Benzofluoranthene	Benzofluoranthene	Benzofluoranthene	Benzo[ghi]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene
SB-1	S-SB1-2	1.5-2	9/4/2013	ND(5.0)	13	10	39	52	98	32	27	52	7.1	77	ND(5.0)	28	ND(5.0)	26	82	
SB-1	S-SB1-5	4.5-5	9/4/2013	ND(10)	12	35	54	45	70	17	25	68	ND(10)	110	ND(10)	16	45	130	97	
SB-2	S-SB2-3.5	3-3.5	9/4/2013	ND(4.9)	ND(4.9)	ND(4.9)	8.5	7.8	21	7.1	ND(4.9)	21	ND(4.9)	5.9	ND(4.9)	5.5	8.8	20	5.8	
SB-2	S-SB2-5	4.5-5	9/4/2013	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	5.6	ND(4.9)	
SB-3	S-SB3-3	2.5-3	9/4/2013	ND(10)	ND(10)	ND(10)	24	41	60	18	17	43	ND(10)	39	ND(10)	18	ND(10)	16	47	
SB-3	S-SB3-5.5	5-5.5	9/4/2013	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5.5	ND(5.0)	6.7	
SB-4	S-SB4-3	2.5-3	9/4/2013	ND(25)	110	160	340	360	540	340	130	510	120	670	57	290	380	900	690	
SB-4	S-SB4-5	4.5-5	9/4/2013	ND(5.0)	ND(5.0)	ND(5.0)	5.5	8.5	9.4	10	ND(5.0)	ND(5.0)	ND(5.0)	10	ND(5.0)	6.7	ND(5.0)	ND(5.0)	11	
SB-5	S-SB5-2	1.5-2	9/4/2013	ND(9.9)	10	ND(9.9)	35	51	73	58	23	45	12	64	ND(9.9)	38	ND(9.9)	31	70	
SB-5	S-SB5-5	4.5-5	9/4/2013	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	
SB-6	S-SB6-3	2.5-3	9/4/2013	ND(5.0)	ND(5.0)	8.3	23	24	22	23	19	29	6.2	54	ND(5.0)	18	8.7	43	93	
SB-6	S-SB6-5.5	5-5.5	9/4/2013	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	8.1	ND(5.0)	ND(5.0)	7.2	7.9	11	
SB-7	S-SB7-3.5	3-3.5	9/4/2013	910	ND(250)	1,400	5,300	4,900	8,200	2,900	2,100	5,500	1,000	15,000	970	2,900	1,100	9,400	12,000	
SB-7	S-SB7-5	4.5-5	9/4/2013	5.6	ND(5.0)	11	44	47	52	37	16	50	6.5	100	5.8	27	8.4	70	100	
SB-8	S-SB8-3	2.5-3	9/4/2013	ND(5.0)	ND(5.0)	6.6	13	17	24	21	7.8	18	ND(5.0)	55	ND(5.0)	14	14	26	50	
SB-8	S-SB8-5	4.5-5	9/4/2013	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	
SB-9	S-SB9-2	1.5-2	9/4/2013	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	
SB-9	S-SB9-5	4.5-5	9/4/2013	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	11	ND(4.9)	ND(4.9)	ND(4.9)	9.4	6.7	
SB-10	S-SB10-2.5	2-2.5	9/4/2013	ND(4.9)	ND(4.9)	ND(4.9)	8.2	11	18	15	5.8	12	ND(4.9)	21	ND(4.9)	10	6.6	10	18	
SB-10	S-SB10-5	4.5-5	9/4/2013	ND(5.0)	ND(5.0)	ND(5.0)	5.0	6.3	8.1	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	8.1	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	6.4	
SB-11	S-SB11-2	1.5-2	9/4/2013	ND(5.0)	5.6	ND(5.0)	8.5	14	21	18	ND(5.0)	22	ND(5.0)	23	ND(5.0)	12	15	21	26	
SB-11	S-SB11-5	4.5-5	9/4/2013	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	
SB-12	S-SB12-2	1.5-2	9/4/2013	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	
SB-12	S-SB12-5	4.5-5	9/4/2013	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	6.8	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5.2	
SB-13	S-SB13-3.5	3-3.5	4/16/2014	26	51	78	300	340	490	220	200	390	72	610	31	190	77	380	600	
SB-13	S-SB13-5	4.5-5	4/16/2014	ND(4.9)	ND(4.9)	ND(4.9)	14	21	29	17	9.4	19	ND(4.9)	23	ND(4.9)	13	5.2	15	26	
SB-14	S-SB14-4	3.5-4	4/16/2014	1,600	ND(49)	3,200	7,400	6,600	8,900	2,900	2,800	7,800	920	18,000	1,700	2,800	1,900	15,000	15,000	
SB-14	S-SB14-5	4.5-5	4/16/2014	23	ND(5.0)	45	110	110	140	50	58	120	17	250	26	47	43	200	220	
SB-15	S-SB15-3	2.5-3	4/16/2014	94	49	130	500	600	800	250	320	610	78	1,000	100	240	140	600	1,100	
SB-15	S-SB15-5	4.5-5	4/16/2014	8.1	10	20	62	72	120	35	37	82	11	120	11	32	29	78	120	
SB-16	S-SB16-3.5	3-3.5	4/16/2014	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	
SB-16	S-SB16-5	4.5-5	4/16/2014	ND(9.9)	ND(9.9)	ND(9.9)	ND(9.9)	ND(9.9)	ND(9.9)	ND(9.9)	ND(9.9)	ND(9.9)	ND(9.9)	20	ND(9.9)	ND(9.9)	ND(9.9)	ND(9.9)	ND(5.0)	
SB-17	S-SB17-2.5	2-2.5	4/16/2014	ND(49)	ND(49)	ND(49)	60	78	110	72	ND(49)	81	ND(49)	84	ND(49)	50	ND(49)	12	22	
SB-17	S-SB17-5	4.5-5	4/16/2014	ND(9.9)	ND(9.9)	ND(9.9)	19	23	39	11	13	29	ND(9.9)	39	ND(9.9)	ND(9.9)	ND(9.9)	25	46	

ESL Residential / Drinking Water Commercial / Non Drinking Water	16,000	13,000	2,900	380	38	380	27,000	380	3,800	110	40,000	8,900	380	11,000	85,000
	19,000	13,000	2,800	450	45	450	27,000	450	4,500	130	40,000	8,900	450	11,000	85,000

Notes:
 1 = San Francisco Bay Regional Water Quality Control Board 2013 Tier 1 2013 Non-drinking Water Source, Commercial Land Use Environmental Screening Levels
 bgs = below ground surface
 ESL = San Francisco Bay Regional Water Quality Control Board 2013 Tier 1 Environmental Screening Levels
 VPET:FS\Projects\Secretariat\Bay Area - Pet CA\AC Alameda County\Additional Invest. Rpt\AC64569_Tables

µg/kg = micrograms per kilogram
 ND(x) = Not detected above the laboratory reporting limits (reporting limit in parenthesis).
 PAHs = Polynuclear aromatic hydrocarbons analyzed using EPA method 8270-SIM.

TABLE 3

GROUNDWATER SAMPLE ANALYTICAL RESULTS

City of Alameda Maintenance Facility
Alameda, California

Sample Location	Date Collected	Reported Concentrations							
		TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Napthalene	TDS
	µg/l.....							
SB-3	9/4/2013	ND(51)	ND(0.50)	ND(0.50)	ND(0.50)	ND(1.0)	12	ND(1.0)	1,700
ESL		100	1.0	40	30	20	5.0	6.2	--
Basin Plan		--	--	--	--	--	--	--	500
Commercial / Non Drinking Water ¹		640	27	130	43	100	1,800	24	--

Notes:

1 = San Francisco Bay Regional Water Quality Control Board 2013 Tier 1 2013 Non-drinking Water Source, Commercial Land Use Environmental Screening Levels

Benzene, toluene, ethylbenzene, and total xylenes (BTEX) analyzed using EPA method 8260B.

Napthalene analyzed using EPA method 8260B.

-- = Not Established

Basin Plan = Water Quality Control Plan for the San Francisco Bay Basin

bgs = below ground surface

ESL = San Francisco Bay Regional Water Quality Control Board 2013 Tier 1 Environmental Screening Levels

µg/l = micrograms per liter

mg/l = milligrams per liter

MTBE = methyl tertiary-butyl ether analyzed using EPA method 8260B.

ND() = Not detected above the laboratory reporting limits (reporting limit in paranthesis).

PAHs = Polynuclear aromatic hydrocarbons analyzed using EPA method 8270-SIM.

TDS = total dissolved solids analyzed using EPA method

TPHd = Total Petroleum Hydrocarbons, diesel range (C10-C28), analyzed using EPA method 8015M, with silica gel strip (EPA method 3630C).

TPHd = Total Petroleum Hydrocarbons, diesel range (C10-C28), analyzed using EPA method 8015M, with silica gel strip (EPA method 3630C).

TABLE 4

GROUNDWATER SAMPLE ANALYTICAL RESULTS - POLYNUCLEAR AROMATIC COMPOUNDS

City of Alameda Maintenance Facility
Alameda, California

Sample Location	Sample ID	Sample Depth (feet bgs)	Date Collected	Reported Concentrations - PAHs													
				Acenaphthylene	Anthracene	Benzofluoranthene	Benzofluoranthene	Benzofluoranthene	Benzofluoranthene	Benzofluoranthene	Benzofluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene
				ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
SB-3	W-SB3-8	8-10	9/4/2013	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
ESL		20		0.30	0.73	0.027	0.014	0.056	0.10	0.056	0.35	0.016	8.0	3.9	0.056	6.2	4.6
Commercial / Non Drinking Water		23		30	0.73	0.027	0.014	0.056	0.10	0.056	0.35	0.25	8.0	3.9	0.056	24	4.6

Notes:
1 = San Francisco Bay Regional Water Quality Control Board 2013 Tier 1 2013 Non-drinking Water Source, Commercial Land Use Environmental Screening Levels
bgs = below ground surface
ESL = San Francisco Bay Regional Water Quality Control Board 2013 Tier 1 Environmental Screening Levels
µg/l = micrograms per liter
ND() = Not detected above the laboratory reporting limits (reporting limit in parenthesis).
PAHs = Polynuclear aromatic hydrocarbons analyzed using EPA method 8270-SIM.