

**ExxonMobil
Environmental Services Company**

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Oakland, California 94611
510 547 8196 Telephone
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Jennifer C. Sedlachek
Project Manager

ExxonMobil

May 14, 2013

RECEIVED

By Alameda County Environmental Health at 3:34 pm, May 16, 2013

Ms. Barbara Jakub
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

RE: Former Mobil RAS #99105/6301 San Pablo Avenue, Oakland, California.

Dear Ms. Jakub:

Attached for your review and comment is a copy of the letter report entitled *Corrective Action Plan Addendum*, dated May 14, 2013, for the above-referenced site. The report was prepared by Cardno ERI of Petaluma, California, and details activities at the subject site.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,



Jennifer C. Sedlachek
Project Manager

Attachment: Cardno ERI's *Corrective Action Plan Addendum*, dated May 14, 2013

cc: w/ attachment
Mr. Leroy Griffin, Oakland Fire Department
Messrs. On Dan and Nathan Lam

w/o attachment
Ms. Rebekah A. Westrup, Cardno ERI

May 14, 2013
Cardno ERI 2783C.L03

Ms. Jennifer C. Sedlachek
ExxonMobil Environmental Services
4096 Piedmont Avenue, #194
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Cardno ERI
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SUBJECT **Corrective Action Plan Addendum**
Former Mobil Service Station 99105
6301 San Pablo Avenue
Oakland, California

Ms. Sedlachek:

At the request of ExxonMobil Environmental Services (EMES), on behalf of ExxonMobil Oil Corporation, Cardno ERI prepared this Corrective Action Plan Addendum (Addendum) for the subject site. Cardno ERI submitted the report *Site Conceptual Model Update, Low-Threat Closure Evaluation, and Feasibility Study/Corrective Action Plan (CAP)*, dated October 25, 2012 (Cardno ERI, 2012). The CAP detailed current site conditions, evaluated the site with the State Water Resources Control Board's *Low-Threat Underground Storage Tank Case Closure Policy* (the Low-Threat Closure Policy) (SWRCB, 2012), and proposed work to address soil vapor concentrations at the subject site. The purpose of this addendum is to address technical comments by the Alameda County Health Care Services Agency, Environmental Health Services (the County), in response to the CAP, in a letter dated February 28, 2013 (Appendix A).

SITE DESCRIPTION

The site is located at 6301 San Pablo Avenue, Oakland, California, on the northwestern corner of San Pablo Avenue and 63rd Street (Plate 1). The site was operated as a Mobil service station from 1951 to 1980, then used as a rental car lot, and is currently an automobile oil change facility. Four 2,000-gallon gasoline USTs and one 350-gallon used-oil UST were present on the property and not used after 1980. The USTs were removed in 1994. Properties in the vicinity of the site are occupied by mixed-use residential and commercial properties. An elementary school is located across San Pablo Avenue to the east and residential properties are located to the west and south of the site (Plate 2). The Saint Paul Primitive Baptist Church is located adjacent to the site to the west.

TECHNICAL COMMENTS

Clean-Up Levels and Timeframe

Cardno ERI's CAP proposed using ESLs as clean-up goals. In their February 2013 letter, the County noted that though the ESLs were long-term closure goals, clean-up levels and the timeframe to reach the levels should be specified.

May 14, 2013
Cardno ERI 2783C.L03 Former Mobil Service Station 99105, Oakland, California

Cardno ERI proposes to use ESLs as long-term goals and the established Low-Threat Closure Policy criteria as short-term goals. The site currently meets the Low-Threat criteria with the exception of the soil vapor media specific criteria and the increasing trend in well MW5 (Cardno ERI, 2012; Appendix A).

In their correspondence, the County agreed that the site did not meet the media specific criteria for vapor-phase hydrocarbons, but added that following submission of the CAP, free product (reported as shown) was observed in well MW5, demonstrating an increasing trend.

The Low-Threat Closure Policy media specific criteria for groundwater and soil vapor will be used as the site clean-up goals and are outlined in the following subsections.

Groundwater-Specific Criteria

Cardno ERI proposes to use groundwater-specific criteria case 1 as defined in the Low-Threat Closure Policy as the site clean-up levels for groundwater (SWRCB, 2012). The criteria is defined as follows:

- (1) a. The contaminant plume that exceeds water quality objective is less than 100 feet in length.
- b. There is no free product.
- c. The nearest existing water supply well or surface water body is greater than 250 feet from the defined plume boundary.

With the exception of Case (1) item (b), the site meets the groundwater-specific criteria under the Low-Threat Closure Policy. In addition, the general criteria for removing free product and secondary source to the extent practicable must be addressed.

Petroleum Vapor Intrusion to Indoor Air

In the CAP, Cardno ERI concluded that the site does not meet Scenario 4 (Direct Measurement of Soil Gas Concentrations) criteria for Petroleum Vapor Intrusion to Indoor Air. The levels for Scenario 4 under the Low-Threat Closure Policy are outlined in the following tables:

Soil Gas Concentrations (ug/m ³)		
Constituent	Residential	Commercial/Industrial
	No Bioattenuation Zone	
Benzene	<85	<280
Ethylbenzene	<1,100	<3,600
Naphthalene	<93	<310

Soil Gas Concentrations (ug/m ³)		
Constituent	Residential	Commercial/Industrial
	With Bioattenuation Zone	
Benzene	<85,000	<280,000
Ethylbenzene	<1,100,000	<3,600,000
Naphthalene	<93,000	<310,000

PROPOSED WORK

The work proposed in the CAP will address each of the Low-Threat criteria not currently being met. The installation of well MW6 and DPE source removal event is intended to remove free product and secondary source to the extent practicable and reduce soil vapor concentrations beneath the site.

May 14, 2013
Cardno ERI 2783C.L03 Former Mobil Service Station 99105, Oakland, California

Cardno ERI proposes to conduct quarterly groundwater monitoring and sampling and an additional soil vapor sampling event following the proposed DPE source test to evaluate site conditions and the need for additional events.

Cost Evaluation

In the CAP, Cardno ERI evaluated five remedial options for the site: monitored natural attenuation (MNA), excavation, *in-situ* chemical oxidation, groundwater pump and treat (GWPT), and high-vacuum DPE. In their February 28, 2013 correspondence, the County requested costs for each of the remedial options evaluated in the CAP. Cost evaluations for each of these options are presented in the following subsections.

Monitored Natural Attenuation

Cardno ERI prepared trendline graphs for wells MW1 through MW5 to approximate the amount of time it would take to reach water quality objectives (WQOs). The graphs presented in Appendix B project that WQOs for benzene will be reached during 2030.

Costs to perform groundwater monitoring and sampling at the site for 17 years are presented in the following table.

Task	Cost*	Frequency/Year	Number of Years	Total Cost
Semi-Annual Sampling Event	\$5,000	2	17	170,000

*Total includes costs for analytical analyses, waste disposal, consumables, and personnel for field work and reports.

Excavation

Soil data for samples collected as part of assessment and redevelopment activities, indicates that there are 21 *in-situ* soil samples, with concentrations of residual hydrocarbons above the laboratory reporting limit that exceed residual exposure ESLs (Table 1). The following table shows which of these samples are located beneath the current site building (Plate 2), and the vertical distribution of the remaining samples.

Sample location	Beneath Building	Greater than 3 Meters	Less than 3 Meters
MW4 (2), MP4, MP5, S1, S2, S4, S5, TPSW-1, TPSE-1, and PL4-1	X		
MW2, MP2, MW6, S3,		X	
MP2, MP3, TS-3, PL1-3 and PL1-5			X

Of the 21 samples, 17 samples are located beneath the station building and/or at a depth greater than 3 meters. Because excavation beneath the building is not feasible the cost to excavate was not calculated.

***In-Situ* Chemical Oxidation**

Use of *in-situ* chemical oxidation at the site would require the installation of soil borings for delivery of the oxidizer. A minimum of two borings would need to be installed (one in the vicinity of groundwater monitoring well MW5 and the other near the former dispenser islands) for each injection event. Injected chemicals follow the path of greatest permeability and may not reach constituents of concern in some soil formations. Given the predominance of fine-grained sediments at the site, Cardno ERI estimates that as many as three or four treatments would be needed in order to bring the oxidant into sufficient contact with the residual constituents of concern (and/or NAPL) and provide adequate dissolved-phase and residual source removal.

Costs to perform three injection events (with soil boring installations) and conduct quarterly sampling for a year following each injection event are presented in the following table.

May 14, 2013
Cardno ERI 2783C.L03 Former Mobil Service Station 99105, Oakland, California

Task	Cost*	Frequency/Year	Number of Years	Total Cost
Soil Boring Installation (2 Borings)	\$7,500	1	3	\$22,500
In-Situ Chemical Injection	\$20,000	1	3	\$60,000
Quarterly Sampling Event	\$5,000	4	3	\$60,000
Total Cost				\$142,500

*Total includes costs for drilling permits, subcontractors, analytical analyses, waste disposal, consumables, and personnel for field work and reports.

Groundwater Pump and Treat

GWPT removes dissolved-phase constituents of concern by extracting and treating groundwater. This technology is most efficient at sites where constituents of concern have a low adsorption coefficient. Because a constituent of concern at this site is benzene which tends to sorb to soil, Cardno ERI estimates that the projected time for benzene to reach WQOs, utilizing GWPT would be approximately 12 years. In addition, Cardno ERI would recommend the installation of a groundwater extraction well in the vicinity of the former dispensers.

Costs to install an additional groundwater extraction well in the area of the former dispenser islands, install a GWPT system, and perform operations and maintenance and semi-annual sampling until WQOs are met, are presented in the following table.

Task	Cost*	Frequency/Year	Number of Years	Total Cost
Well Installation	\$7,500	1	1	\$7,500
System Installation	\$300,000	1	1	\$300,000
Operations and Maintenance	\$18,000	4	12	\$864,000
Semi-Annual Sampling Event	\$5,500	2	13	\$143,000
Total Costs				\$1,044,500

*Total includes costs for permits, subcontractors, analytical analyses, waste disposal, consumables, and personnel for field work and reports.

Well Installation and High-Vacuum DPE

The purpose of the proposed well installation and DPE source removal and feasibility test is to target the current site conditions that do not meet the Low-Threat criteria.

Costs to install groundwater monitoring well MW6, perform 48-hour DPE source removal feasibility test, and perform one year of quarterly monitoring and sampling are presented in the following table. The projected cost assumes that one DPE source removal event will be performed. Each additional event will cost approximately \$25,000 and each additional quarterly monitoring event will cost approximately \$5,000.

Task	Cost*	Frequency/Year	Number of Years	Total Cost
Well Installation	\$15,000	1	1	\$15,000
High Vacuum DPE Event	\$25,000	1	1	\$25,000
Quarterly Sampling Event	\$5,000	4	1	\$20,000
Total Costs				\$60,000

*Total includes costs for permits, subcontractors, analytical analyses, waste disposal, consumables, and personnel for field work and reports.

Baseline Environmental Project Schedule

In their February 28, 2013 correspondence, the County requested submission of a path to closure schedule. Cardno ERI has included our project schedule in Appendix C.

May 14, 2013
Cardno ERI 2783C.L03 Former Mobil Service Station 99105, Oakland, California

RECOMMENDATIONS

Based on site conditions, current site use, anticipated effectiveness of technology, and costs, Cardno ERI recommends the use of DPE technology at the site to remediate hydrocarbon concentrations in soil, soil vapor, and groundwater. The use of available portable equipment greatly reduces the costs associated with a permanent system installation. Cardno ERI recommends installing one additional well (MW6) in the vicinity of the former dispenser islands and previously destroyed well MW4 and performing a 48-hour, targeted DPE event to remove hydrocarbon concentrations using existing well MW5 and proposed well MW6 as the DPE wells as previously proposed in the CAP (Cardno ERI, 2012).

CONTACT INFORMATION

The responsible party contact is Ms. Jennifer C. Sedlachek, ExxonMobil Environmental Services, 4096 Piedmont Avenue #194, Oakland, California, 94611. The consultant contact is Ms. Rebekah A. Westrup, Cardno ERI, 601 North McDowell Boulevard, Petaluma, California, 94954. The agency contact is Barbara J. Jakub, P.G., Alameda County Health Care Services Agency, Environmental Health Services, Environmental Protection, 1131 Harbor Bay Parkway, Suite 250, Alameda, California, 94502.

LIMITATIONS

For documents cited that were not generated by Cardno ERI, the data taken from those documents is used "as is" and is assumed to be accurate. Cardno ERI does not guarantee the accuracy of this data and makes no warranties for the referenced work performed nor the inferences or conclusions stated in these documents.

This document and the work performed have been undertaken in good faith, with due diligence and with the expertise, experience, capability, and specialized knowledge necessary to perform the work in a good and workmanlike manner and within all accepted standards pertaining to providers of environmental services in California at the time of investigation. No soil engineering or geotechnical references are implied or should be inferred. The evaluation of the geologic conditions at the site for this investigation is made from a limited number of data points. Subsurface conditions may vary away from these data points.

Please contact Ms. Rebekah A. Westrup, Cardno ERI's project manager for this site, at rebekah.westrup@cardno.com or at (707) 766-2000 with any questions regarding this site.

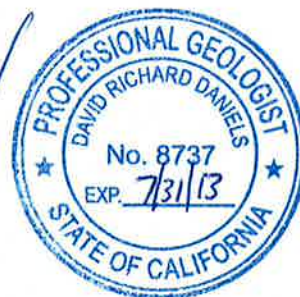
Sincerely,

SCANNED
IMAGE
for

Rebekah A. Westrup
Senior Staff Geologist
for Cardno ERI
707 766 2000
Email: rebekah.westrup@cardno.com

SCANNED
IMAGE

David R. Daniels
P.G. 8737
for Cardno ERI
707 766 2000
Email: david.daniels@cardno.com



May 14, 2013

Cardno ERI 2783C.L03 Former Mobil Service Station 99105, Oakland, California

cc: Ms. Barbara J. Jakub, Alameda County Health Care Services Agency, Environmental Health Services, Environmental Protection, 1131 Harbor Bay Parkway, Suite 250, Alameda, California, 94502

Mr. Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa, Ste. 3341, Oakland, California, 94612

Messrs. On Dan and Nathan Lam, 200 El Dorado Terrace, San Francisco, California, 94112

Enclosures:

References

Acronym List

Plate 1 Site Vicinity Map

Plate 2 Generalized Site Plan

Table 1 Cumulative Soil Sample Analytical Data

Appendix A Correspondence

Appendix B Groundwater Elevations and Concentrations Over Time Graphs

Appendix C Baseline Environmental Project Schedule

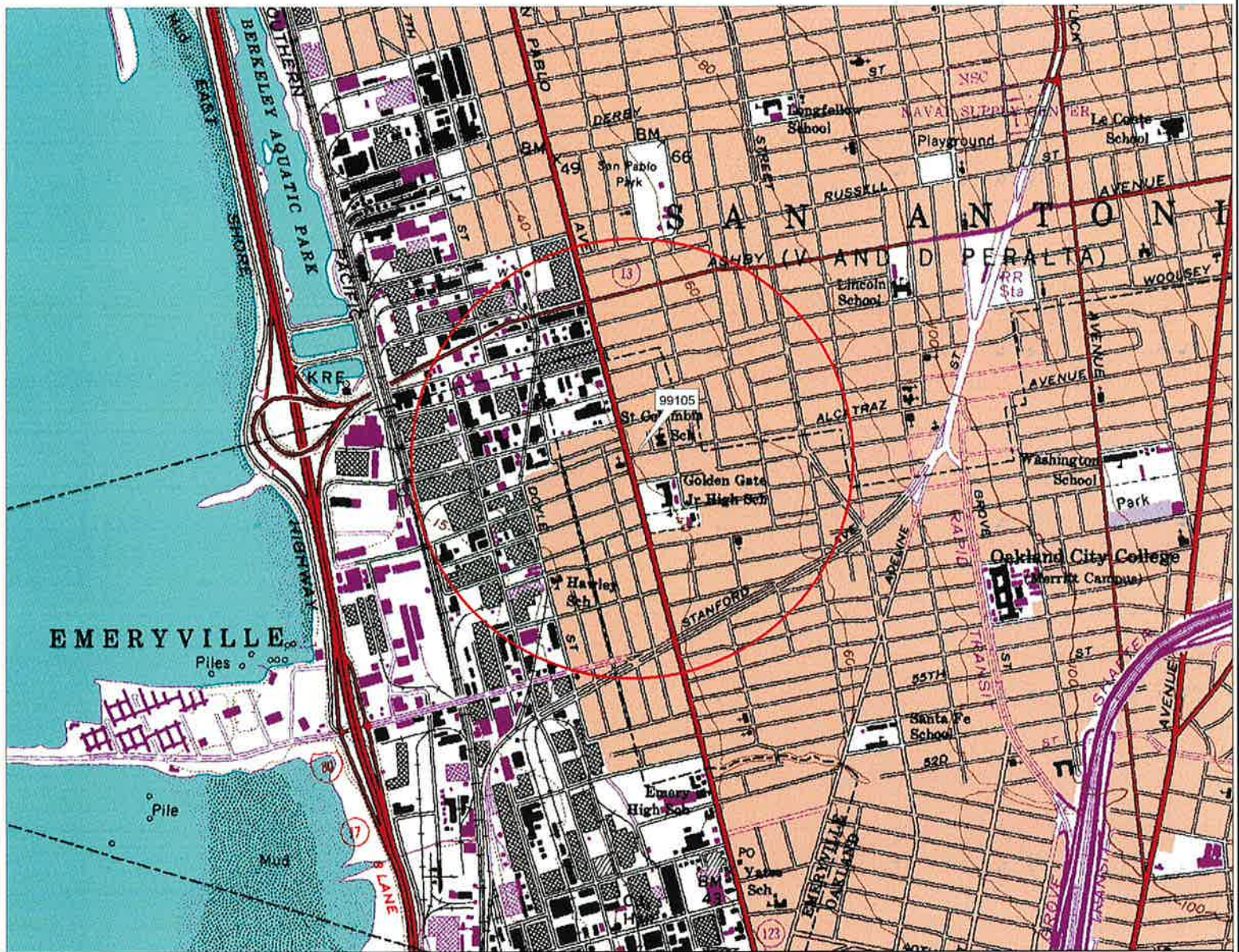
REFERENCES

California Water Quality Control Board (SWRCB). May 1, 2012. *Low-Threat Underground Storage Tank Case Closure Policy* (Adopted May 1, 2012).

Cardno ERI. October 25, 2012. *Site Conceptual Model Update, Low-Threat Closure Evaluation, and Feasibility Study/Corrective Action Plan, 6301 San Pablo Avenue, Oakland, California.*

ACRONYM LIST

µg/L	Micrograms per liter	NEPA	National Environmental Policy Act
µs	Microsiemens	NGVD	National Geodetic Vertical Datum
1,2-DCA	1,2-dichloroethane	NPDES	National Pollutant Discharge Elimination System
acfm	Actual cubic feet per minute	O&M	Operations and Maintenance
AS	Air sparge	ORP	Oxidation-reduction potential
bgs	Below ground surface	OSHA	Occupational Safety and Health Administration
BTEX	Benzene, toluene, ethylbenzene, and total xylenes	OVA	Organic vapor analyzer
CEQA	California Environmental Quality Act	P&ID	Process & Instrumentation Diagram
cfm	Cubic feet per minute	PAH	Polycyclic aromatic hydrocarbon
COC	Chain of Custody	PCB	Polychlorinated biphenyl
CPT	Cone Penetration (Penetrometer) Test	PCE	Tetrachloroethene or perchloroethylene
DIPE	Di-isopropyl ether	PID	Photo-ionization detector
DO	Dissolved oxygen	PLC	Programmable logic control
DOT	Department of Transportation	POTW	Publicly owned treatment works
DPE	Dual-phase extraction	ppmv	Parts per million by volume
DTW	Depth to water	PQL	Practical quantitation limit
EDB	1,2-dibromoethane	psi	Pounds per square inch
EPA	Environmental Protection Agency	PVC	Polyvinyl chloride
ESL	Environmental screening level	QA/QC	Quality assurance/quality control
ETBE	Ethyl tertiary butyl ether	RBSL	Risk-based screening levels
FID	Flame-ionization detector	RCRA	Resource Conservation and Recovery Act
fpm	Feet per minute	RL	Reporting limit
GAC	Granular activated carbon	scfm	Standard cubic feet per minute
gpd	Gallons per day	SSTL	Site-specific target level
gpm	Gallons per minute	STLC	Soluble threshold limit concentration
GWPTS	Groundwater pump and treat system	SVE	Soil vapor extraction
HVOC	Halogenated volatile organic compound	SVOC	Semivolatile organic compound
J	Estimated value between MDL and PQL (RL)	TAME	Tertiary amyl methyl ether
LEL	Lower explosive limit	TBA	Tertiary butyl alcohol
LPC	Liquid-phase carbon	TCE	Trichloroethene
LRP	Liquid-ring pump	TOC	Top of well casing elevation; datum is msl
LUFT	Leaking underground fuel tank	TOG	Total oil and grease
LUST	Leaking underground storage tank	TPHd	Total petroleum hydrocarbons as diesel
MCL	Maximum contaminant level	TPHg	Total petroleum hydrocarbons as gasoline
MDL	Method detection limit	TPHmo	Total petroleum hydrocarbons as motor oil
mg/kg	Milligrams per kilogram	TPHs	Total petroleum hydrocarbons as stoddard solvent
mg/L	Milligrams per liter	TRPH	Total recoverable petroleum hydrocarbons
mg/m ³	Milligrams per cubic meter	UCL	Upper confidence level
MPE	Multi-phase extraction	USCS	Unified Soil Classification System
MRL	Method reporting limit	USGS	United States Geologic Survey
msl	Mean sea level	UST	Underground storage tank
MTBE	Methyl tertiary butyl ether	VCP	Voluntary Cleanup Program
MTCA	Model Toxics Control Act	VOC	Volatile organic compound
NAI	Natural attenuation indicators	VPC	Vapor-phase carbon
NAPL	Non-aqueous phase liquid		



DELORME

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FN 2783TOPO

EXPLANATION



1/2-mile radius circle



APPROXIMATE SCALE



SOURCE:
Modified from a map
provided by
DeLorme 3-D TopoQuads



SITE VICINITY MAP

FORMER MOBIL SERVICE STATION 99105
6301 San Pablo Avenue
Oakland, California

PROJECT NO.

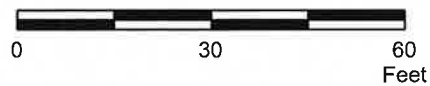
2783

PLATE

1



APPROXIMATE SCALE



FN 2783 13 L03 GSP_LTR



GENERALIZED SITE PLAN
 FORMER MOBIL SERVICE STATION 99105
 6301 San Pablo Avenue
 Oakland, California

EXPLANATION

- MW5 Groundwater Monitoring Well
- AB13 Soil Boring
- MW6 Proposed Groundwater Monitoring Well

- VW5 Soil Vapor Sampling Well

- MW4 Destroyed Groundwater Monitoring Well

- MP6 Destroyed Observation Well

- PLI-5 Soil Boring by Others (Alisto Engineering Group and Tank Protect Engineering)

Alisto 1996

TEC 2001

PROJECT NO.
2783

PLATE
2

APPENDIX A
CORRESPONDENCE



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

February 28, 2013

Jennifer Sedlachek
ExxonMobil
4096 Piedmont, Ave., #194
Oakland, CA 94611

On Dan and Nathan Lam
200 El Dorado Terrace
San Francisco, CA 94112

Subject: Fuel Leak Case No. RO0000445 and Geotracker Global ID T0600101855, Mobil#99-105 / Cars Rent A Car, 6301 San Pablo Avenue, Oakland, CA 94608

Dear Ms. Sedlachek and Messrs. Lam:

Thank you for the recently submitted reports entitled, *Site Conceptual Model Update, Low-Threat Closure Evaluation, and Feasibility Study/Corrective Action Plan* dated October 25, 2012 and *Semi-Annual Groundwater Monitoring Report, Third Quarter 2012* dated August 20, 2012 prepared by Cardno ERI for the subject site. Alameda County Environmental Health (ACEH) staff has reviewed the case file including the above-mentioned reports for the above-referenced site.

The above-mentioned report does not include cleanup levels, detailed cost estimates of the evaluated remedial alternatives or the timeframe to cleanup. Therefore, an adequate evaluation could not be performed. ACEH requests that you address the following technical comments and send us a draft corrective action plan addendum as requested below.

TECHNICAL COMMENTS

1. **Free Product Observed in MW-5** – The text and field notes of the groundwater monitoring report referenced above state that sheen was present in MW-5. However, the presence of free product is not noted in the table. Please update the table to reflect the presence of sheen and submit an addendum to the groundwater monitoring report.
2. **Low Threat Closure Policy Review** – Cardno ERI presented an evaluation of the site using the LTCP and concluded that the site passes for all criteria except petroleum intrusion to indoor air. ACEH has also reviewed the site under the LTCP and finds that in addition to not meeting the media specific criteria for petroleum vapor intrusion to indoor air, the site does not meet the media specific criteria for groundwater since free product has recently been detected in MW-5, demonstrating an increasing petroleum hydrocarbon trend.
3. **Cleanup Levels** – The corrective action plan (CAP) proposes using Environmental Screening levels (ESLs) as clean up goals. These cleanup goals are appropriate for long-term closure goals. However, site cleanup levels, the levels at which the system will be turned off and groundwater and soil expected to continue to naturally attenuate, and the timeframe to reach these levels have not been specified. Please present the clean up levels for active remediation and the timeframe to reach them in the addendum requested below. An evaluation of the costs for each alternative cannot be made if the length of time for the remediation is not specified. Please present the proposed cleanup levels for active

remediation and time frame to reach them for the proposed viable alternatives in the Draft FS/CAP Addendum requested below.

4. **Cost Evaluation** – Please provide costs for the remedial options evaluated in your corrective action plan. Please specify the breakout costs for each option including groundwater monitoring by year, for the projected duration of the cleanup and include well installation costs, waste disposal costs, etc. Please submit this information in the addendum requested below.

5. **Baseline Environmental Project Schedule** – The State Water Resources Control Board passed Resolution No. 2012-0062 on November 6, 2012 which requires development of a Path to Closure Plan by December 31, 2013 that addresses the impediments to closure for the site. The Path to Closure must have milestone dates by calendar quarter which will achieve site cleanup and case closure in a timely and efficient manner that minimizes the cost of corrective action. The Project Schedule should include, but not be limited to, the following key environmental elements and milestones as appropriate:
 - Preferential Pathway Study
 - Soil, Groundwater, and Soil Vapor Investigations
 - Initial, Updated, and Final/Validated SCMs
 - Interim Remedial Actions
 - Feasibility Study/Corrective Action Plan
 - Pilot Tests
 - Remedial Actions
 - Soil Vapor and Groundwater Monitoring Well Installation and Monitoring
 - Public Participation Program (Fact Sheet Preparation/Distribution/Public Comment Period, Community Meetings, etc.)
 - Case Closure Tasks (Request for closure documents, ACEH Case Closure Summary Preparation and Review, Site Management Plan, Institutional Controls, Public Participation, Landowner Notification, Well Decommissioning, Waste Removal, and Reporting.)

Please include time for regulatory and RP in house review, permitting, off-site access agreements, and utility connections, etc.

Please use a critical path methodology/tool to construct a schedule with sufficient detail to support a realistic and achievable Path to Closure Schedule. The schedule is to include at a minimum:

- Defined work breakdown structure including summary tasks required to accomplish the project objectives and required deliverables

- Summary task decomposition into smaller more manageable components that can be scheduled, monitored, and controlled

Ms. Sedlachek and Messrs. Lam
RO0000445
February 28, 2013, Page 3

- Sequencing of activities to identify and document relationships among the project activities using logical relationships
- Identification of critical paths, linkages, predecessor and successor activities, leads and lags, and key milestones
- Identification of entity responsible for executing work
- Estimated activity durations (60-day ACEH review times are based on calendar days)

Please submit an electronic copy of the Path to Closure Schedule by the date listed below. ACEH will review the schedule to ensure that all key elements are included.

TECHNICAL REPORT REQUEST

Please submit technical reports to ACEH (Attention: Barbara Jakub), according to the following schedule:

- **March 15, 2013** – Groundwater Monitoring Report Addendum (Third Quarter 2012)
(File to be named GWM_R_ADEND_yyyy-mm-dd)
- **May 15, 2013** – Draft Corrective Action Plan Addendum
(File to be named: CAP_ADD_R_yyyy-mm-dd)
- **May 15, 2013** – Path to Closure and Schedule
(File to be named PROJ_SCH_yyyy-mm-dd)

Should you have any questions or concerns regarding this correspondence or your case, please call me at (510) 639-1287 or send me an electronic mail message at barbara.jakub@acgov.org.

Sincerely,



Digitally signed by Barbara J. Jakub
DN: cn=Barbara J. Jakub, o, ou,
email=barbara.jakub@acgov.org, c=US
Date: 2013.02.28 14:22:54 -08'00'

Barbara J. Jakub, P.G.
Hazardous Materials Specialist

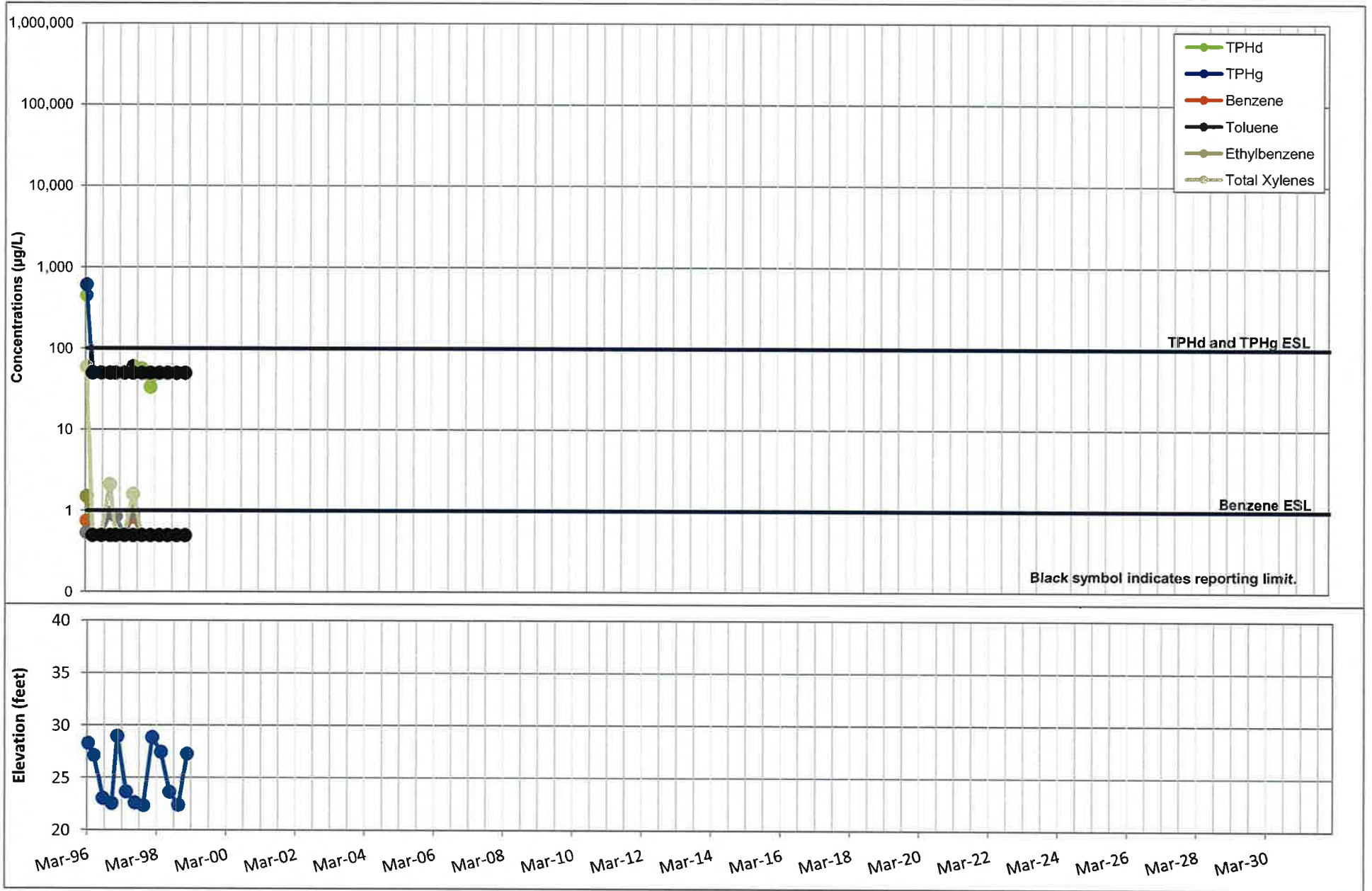
Enclosure: Responsible Party(ies) Legal Requirements/Obligations
ACEH Electronic Report Upload (ftp) Instructions

cc: Rebekah Westrup, Cardno ERI, 601 North McDowell Blvd., Petaluma, CA 94954-2312 (Sent via e-mail to: rwestrup@ERI-US.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)
Donna Drogos, ACEH (Sent via E-mail to: donna.drogos@acgov.org)
Barbara Jakub, ACEH (Sent via E-mail to: barbara.jakub@acgov.org)
GeoTracker, File

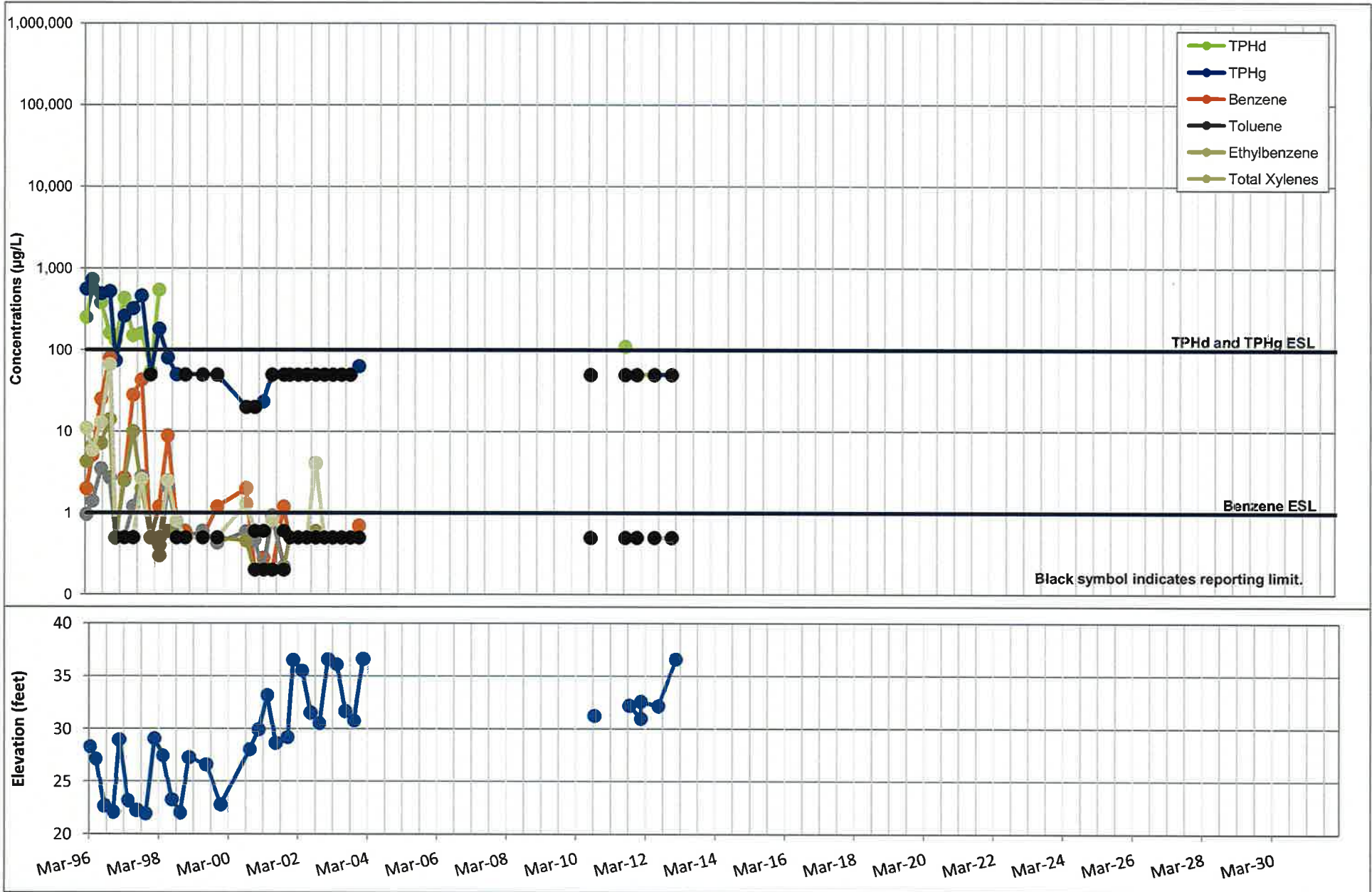
APPENDIX B

GROUNDWATER ELEVATIONS AND CONCENTRATIONS OVER TIME GRAPHS

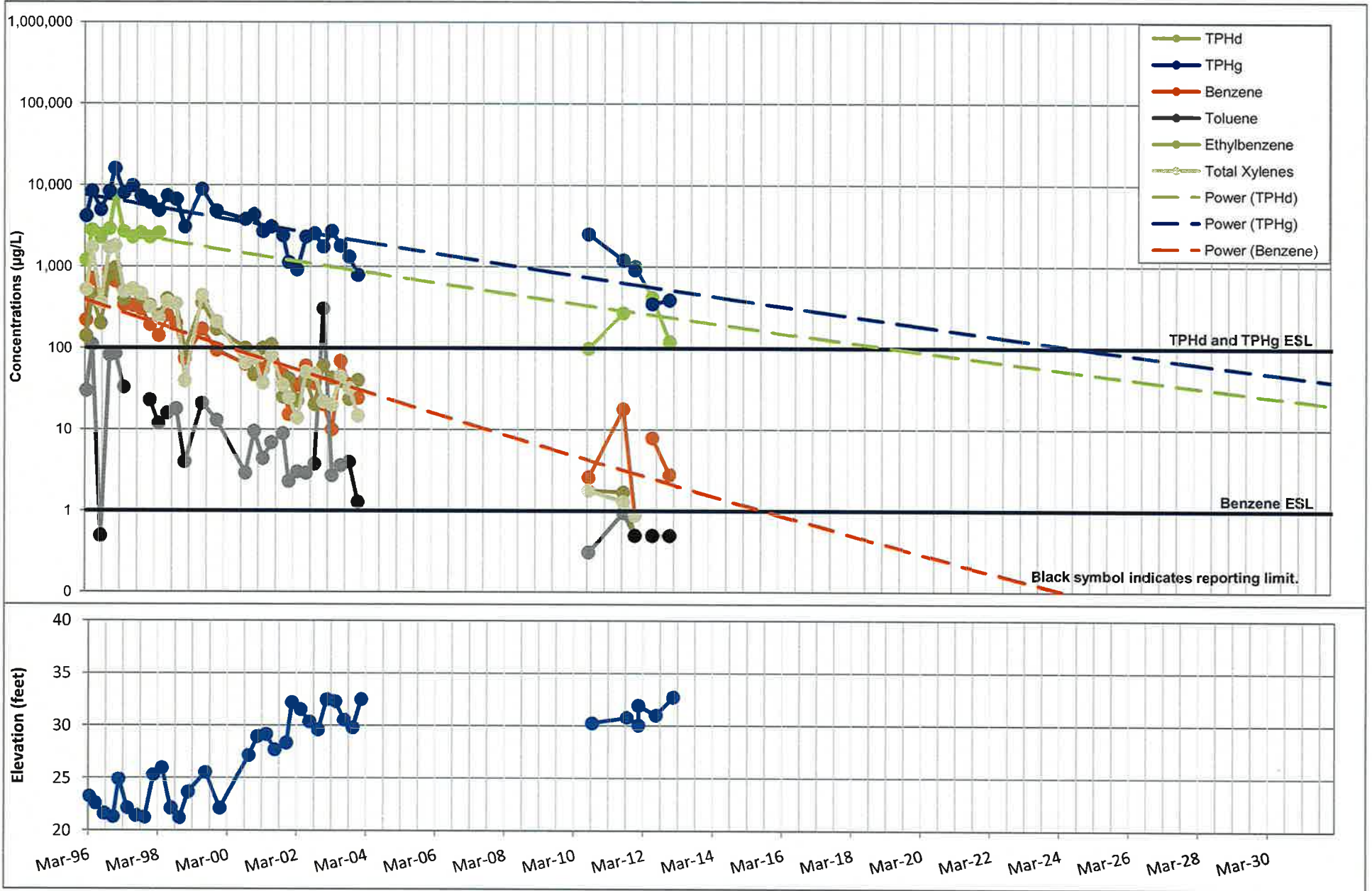
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GROUNDWATER ELEVATIONS AND CONCENTRATIONS OVER TIME - MW1
 Former Mobil Service Station 99105
 6301 San Pablo Avenue
 Oakland, California
 (Page 1 of 1)



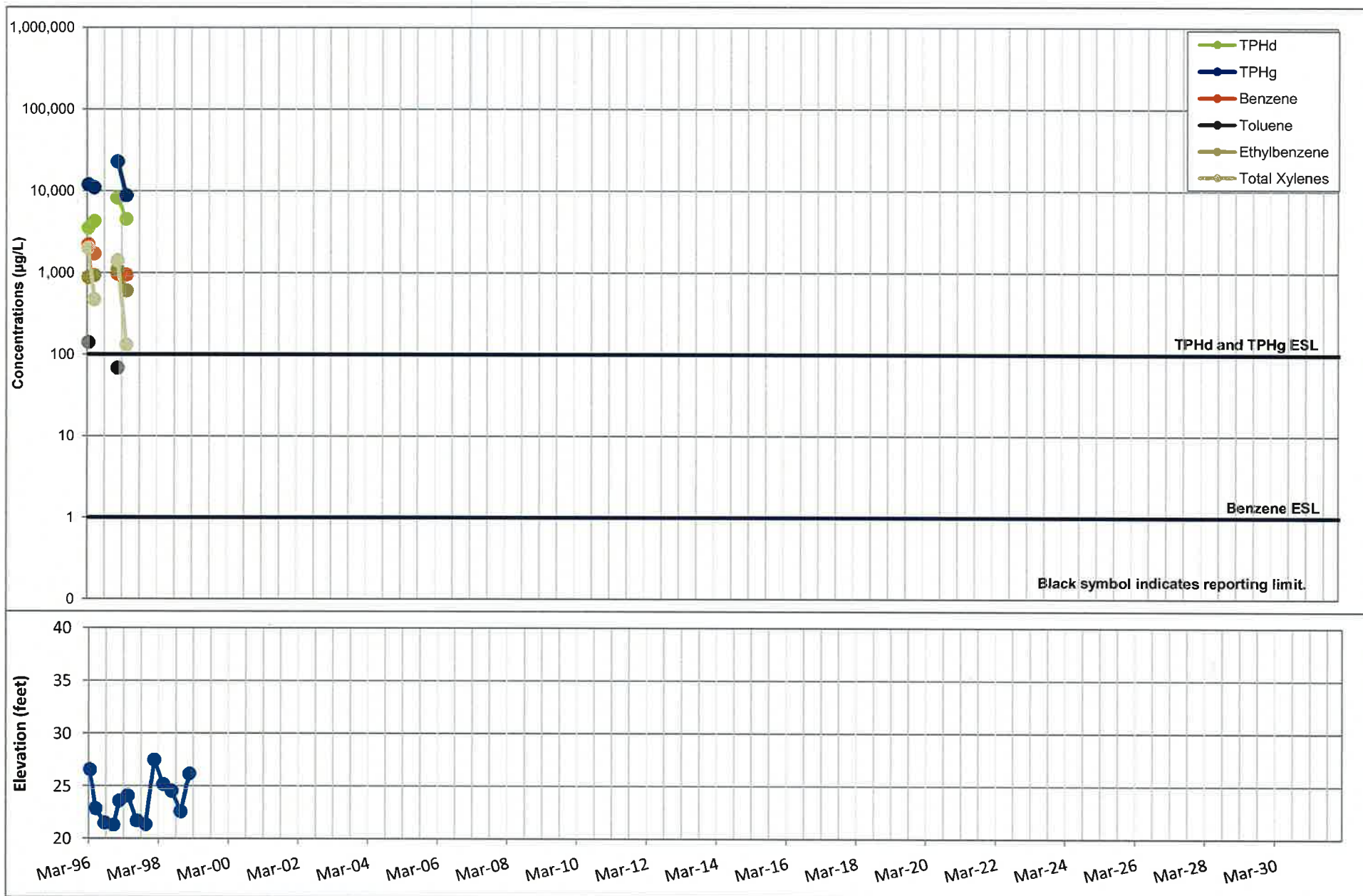
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GROUNDWATER ELEVATIONS AND CONCENTRATIONS OVER TIME - MW2
 Former Mobil Service Station 99105
 6301 San Pablo Avenue
 Oakland, California
 (Page 1 of 1)



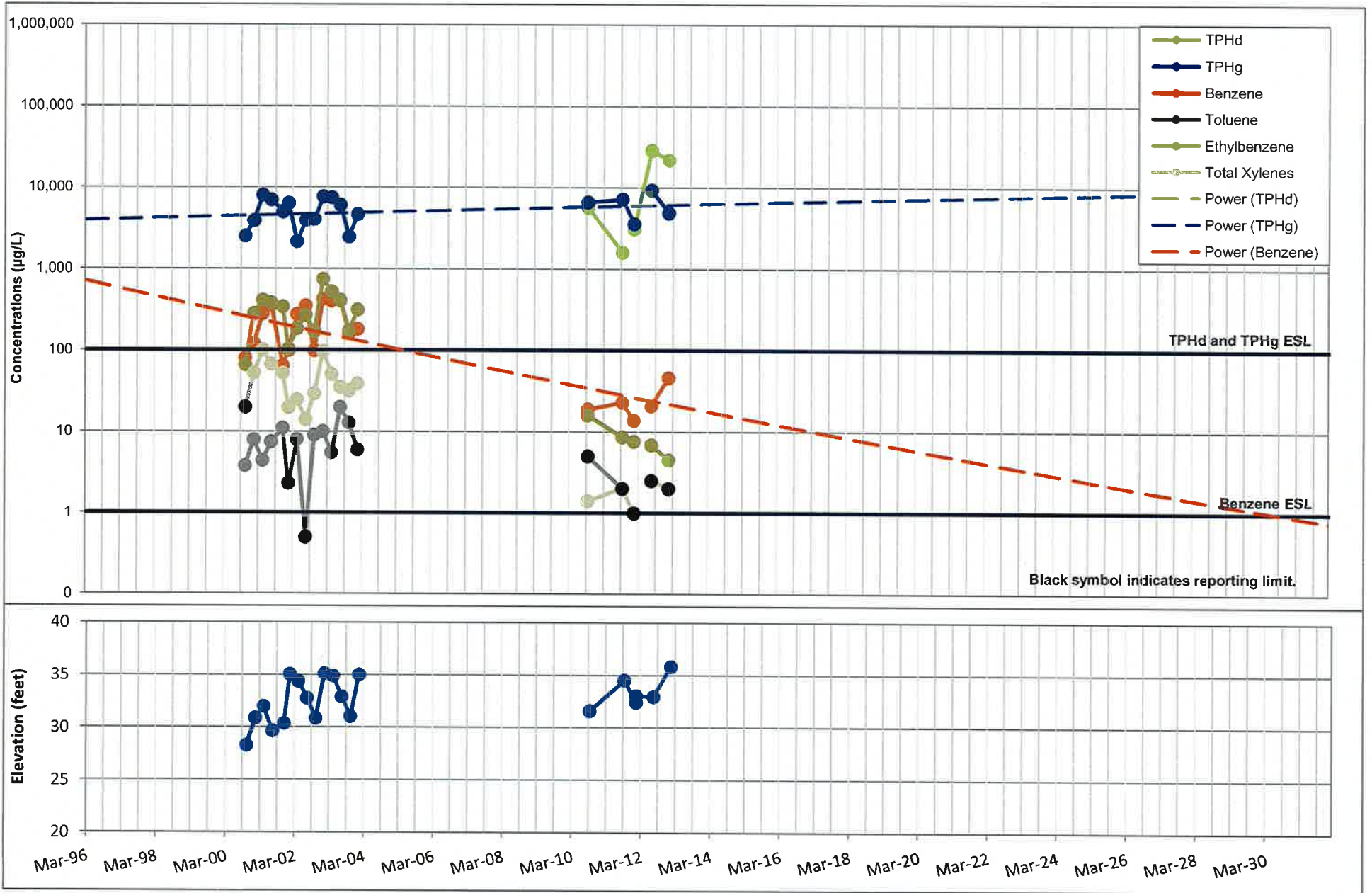
GRAPH 3
GROUNDWATER ELEVATIONS AND CONCENTRATIONS OVER TIME - MW3
 Former Mobil Service Station 99105
 6301 San Pablo Avenue
 Oakland, California
 (Page 1 of 1)



GRAPH 4
GROUNDWATER ELEVATIONS AND CONCENTRATIONS OVER TIME - MW4
 Former Mobil Service Station 99105
 6301 San Pablo Avenue
 Oakland, California
 (Page 1 of 1)



GRAPH 5
GROUNDWATER ELEVATIONS AND CONCENTRATIONS OVER TIME - MW5
Former Mobil Service Station 99105
6301 San Pablo Avenue
Oakland, California
(Page 1 of 1)



APPENDIX C

BASELINE ENVIRONMENTAL PROJECT SCHEDULE

BASELINE ENVIRONMENTAL PROJECT SCHEDULE

Former Exxon Service Station 99105

6301 San Pablo Boulevard

Oakland, California

(Page 1 of 1)

TASK	Year Quarter	PROJECTED DATE															
		2013				2014				2015							
		2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th					
CAP Addendum		■															
Groundwater Monitoring and Sampling			■		■	■	■										
Well Installation				■													
DPE Source Removal				■													
Well Installation and DPE Source Removal Report					■												
Soil Vapor Sampling							■										
Soil Vapor Results Report									■								
Request for No Further Action												■					
Public Notice												■					
Well Destruction													■				
No Further Action																■	

■ Task projected to occur

■ Task projected to occur subject to regulatory approval

■ Task projected to occur based on succesful implementation of DPE Source Removal