



## Remediation Management Services Company

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July 20, 2018

Karel Detterman  
Alameda County Department of Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94602

Subject: Well Abandonment Report  
Former ARCO Service Station No. 596  
1900 Webster Street  
Oakland, California  
Alameda County Department of Environmental Health LOP Site No. RO0003100  
GeoTracker Global ID T10000004348

Dear Karel Detterman

Antea®Group is pleased to present this *Well Abandonment Report* for Former ARCO Service Station No. 596 located at 1900 Webster Street, Oakland, California (the Site). If you have any questions regarding this report or need any additional information about this Site, please contact Mr. Chuck Carmel at (657) 529-4503.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Chuck Carmel', enclosed within a large, loopy oval stroke.

**Chuck Carmel**  
Operations Project Manager  
Remediation Management Services Company  
An affiliate of Atlantic Richfield Company

# *Well Abandonment Report*

*Former ARCO Service Station No. 596  
1900 Webster Street  
Oakland, California 94612*

*Alameda County Department of Environmental Health  
LOP Site No. RO0003100  
San Francisco Bay Regional Water Quality Control Board (Region 2),*

*GeoTracker Global ID No. T10000004348*

*Antea Group Project No. 0596ADA181  
July 20, 2018*

*Prepared for:*  
Karel Detterman  
**Alameda County**  
**Department of Environmental Health**  
1131 Harbor Bay Parkway  
Alameda, CA 94602  
(510) 567-6708

*Prepared by:*  
**Antea® Group**  
11010 White Rock Road Suite 140  
Rancho Cordova, California 95670  
(800) 477-4711

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# Well Abandonment Report

*Former ARCO Service Station No. 596  
1900 Webster Street  
Oakland, California 94612*

## 1.0 INTRODUCTION

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Antea®Group oversaw well abandonment activities at (former) ARCO Service Station No. 596, located at 1900 Webster Street, in Oakland, California (the Site; **Figure 1, Site Location**) on July 6, 2018. Instruction to abandon the soil vapor wells was received on April 27, 2018, from the Alameda County Department of Environmental Health (ACDEH). Please refer to **Appendix A** for agency correspondence. This report summarizes and documents the soil vapor well abandonment activities at the Site.

## 2.0 SITE DESCRIPTION

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The Site is a former ARCO service station, and is currently a dentist's office. It is located at the intersection of Webster Street and 19<sup>th</sup> Street in downtown Oakland, California. Four soil vapor wells were located in the adjacent parking lot at 334 19<sup>th</sup> Street. Please refer to **Figure 2** for a detailed site map depicting the former soil boring and well locations, and **Figure 3** for an extended site map.

## 3.0 WELL ABANDONMENT ACTIVITIES

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The four soil vapor wells, SG-1A, SG-1B, SG-2A, SG-2B, were abandoned on Friday, July 6, 2018. Prior to initiating field operations, a site-specific Health and Safety Plan was updated. The area around each well to be abandoned was marked, Underground Service Alert was notified (USA Ticket No. X818301943-00X), and a private utility locate was completed. A permit to abandon the wells was obtained from the ACDEH prior to the commencement of field activities. A copy of the approved well destruction permit is included in **Appendix B**.

### 3.1 Field Activities

On July 7, 2018, an Antea Group staff professional provided oversight to Pacific Coast Locators (PCL), a private underground utility location service, during underground utility location activities using electromagnetic and ground penetration radar equipment.

After confirmation from PCL of no detectable underground utilities that may interfere with well removal activities, and under the supervision of a licensed geologist, Antea Group staff oversaw the abandonment of four soil vapor wells conducted by Cascade Drilling, L.P. of West Sacramento (C-57 License No. 938110). The well boxes were removed with a jackhammer, and the wells and all fill material was removed to total depth of each well with a hand auger. The former well space was then backfilled with neat cement under the supervision of a grout inspector from Alameda County. The tops were paved with dyed concrete to match the surrounding surface. Refer to **Table 1** for well

construction and abandonment details. Refer to **Appendix C** for the original soil boring logs from the well installations.

Approximate grout volumes used to backfill each former well location are included in **Table 1**. Rocks were encountered towards the bottom of SG-1B. Note that SG-1B used more grout to fill, due to the grout spreading laterally through these rocks; the grout was thickened per the grout inspector's instruction, and then was able to backfill the well.

#### **4.0 WASTE MANAGEMENT**

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Construction debris and soil cuttings generated during well abandonment activities were contained in a single 55-gallon Department of Transportation-approved drum. The waste was picked up by Belshire Environmental Services, Inc (Belshire) on the same day, for delivery to a disposal facility approved by the State of California. A copy of the waste manifest from the drum pickup is included as **Appendix D**.

## 5.0 LIMITATIONS AND REMARKS

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The findings contained herein represent Antea Group's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Antea Group and its client outlines the scope of work; only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Antea Group's Client and anyone else specifically listed on this report. Antea Group will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Antea Group makes no express or implied warranty as to the contents of this report.

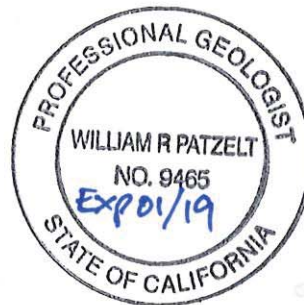
Well abandonment activities and this report were completed under the supervision of a California Registered Professional Geologist and in general accordance with California Water Well Standards Bulletin 74-90.

 on behalf  
of

Allison Dagg  
Staff Professional  
Antea Group



Bill Patzelt  
Project Manager  
California Registered Professional Geologist No. 9465  
Antea Group



*Well Abandonment Report  
Former ARCO Service Station No. 596  
1900 Webster Street, Oakland, California 94612  
Global I.D. No. T10000004348  
Antea Group Project No. 0596ADA171*



## ***Tables***

Table 1      Well Construction and Abandonment Details



Table 1

Well Construction & Abandonment Details  
 Former ARCO Service Station No. 596  
 1900 Webster Street, Oakland, California

Well ID	Construction Date	Well Type	Well Screen Interval (ft. bgs)	Total Borehole Depth (feet)	Well Casing Depth (feet)	Boring Diameter (inches)	Casing Diameter (inches)	Casing Material	Screen Slot	Vault Size (diameter) (inches)	Well Skirt Size (diameter) (inches)	Surrounding Surface	Abandonment Date	Abandonment Method	Backfill Material	Quantity of Backfill Material (gallons)	
<b>Off-site Locations on Adjacent Private Property (334 19th Street)</b>																	
SG-1A	2/4/2015	Soil Vapor	2.75 - 3.25	3.5	3.25	3.25	0.25	Ny/a/fo	Vapor Pin	10	12	Asphalt	7/6/2018	Over-Drill*	Portinad w/<6% bentonite	8	
SG-1B	2/4/2015	Soil Vapor	4.75 - 5.25	5.5	5.25	3.25	0.25	Ny/a/fo	Vapor Pin	10	12	Asphalt	7/6/2018	Over-Drill*	Portinad w/>6% bentonite	14	
SG-2A	2/4/2015	Soil Vapor	2.75 - 3.25	3.5	3.25	3.25	0.25	Ny/a/fo	Vapor Pin	10	12	Asphalt	7/6/2018	Over-Drill*	Portinad w/<6% bentonite	7	
SG-2B	2/4/2015	Soil Vapor	4.75 - 5.25	5.5	5.25	3.25	0.25	Ny/a/fo	Vapor Pin	10	12	Asphalt	7/6/2018	Over-Drill*	Portinad w/>6% bentonite	10	

**Notes:**

ft. bgs feet below ground surface

\* Over-drilled with hand auger

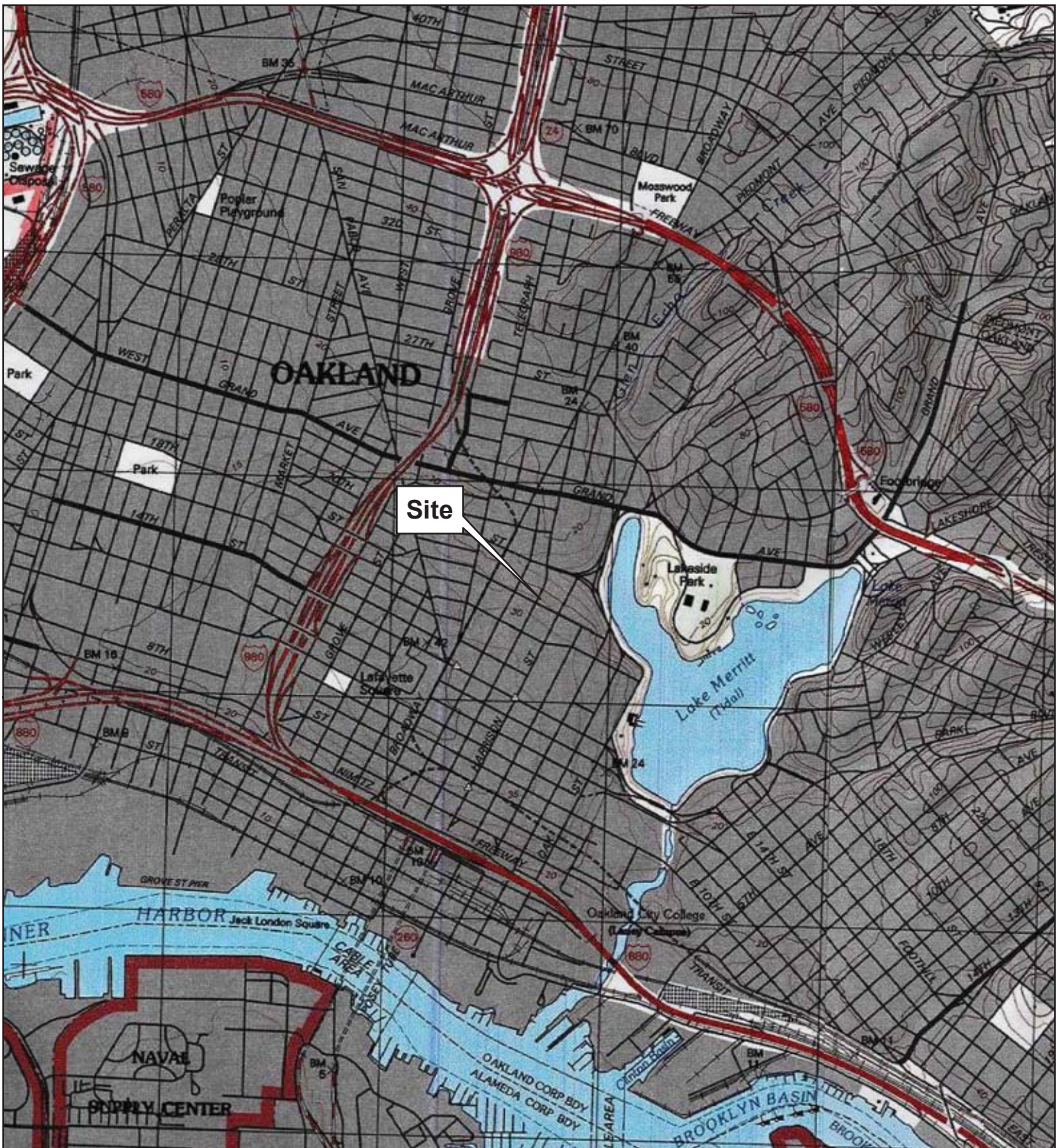


*Well Abandonment Report*  
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*Antea Group Project No. 0596ADA171*



## ***Figures***


- Figure 1      Site Location
- Figure 2      Detailed Site Map
- Figure 3      Extended Site Map



**FIGURE 1**

Site Location  
 Former ARCO Service Station No. 596  
 1900 Webster Street Oakland, California



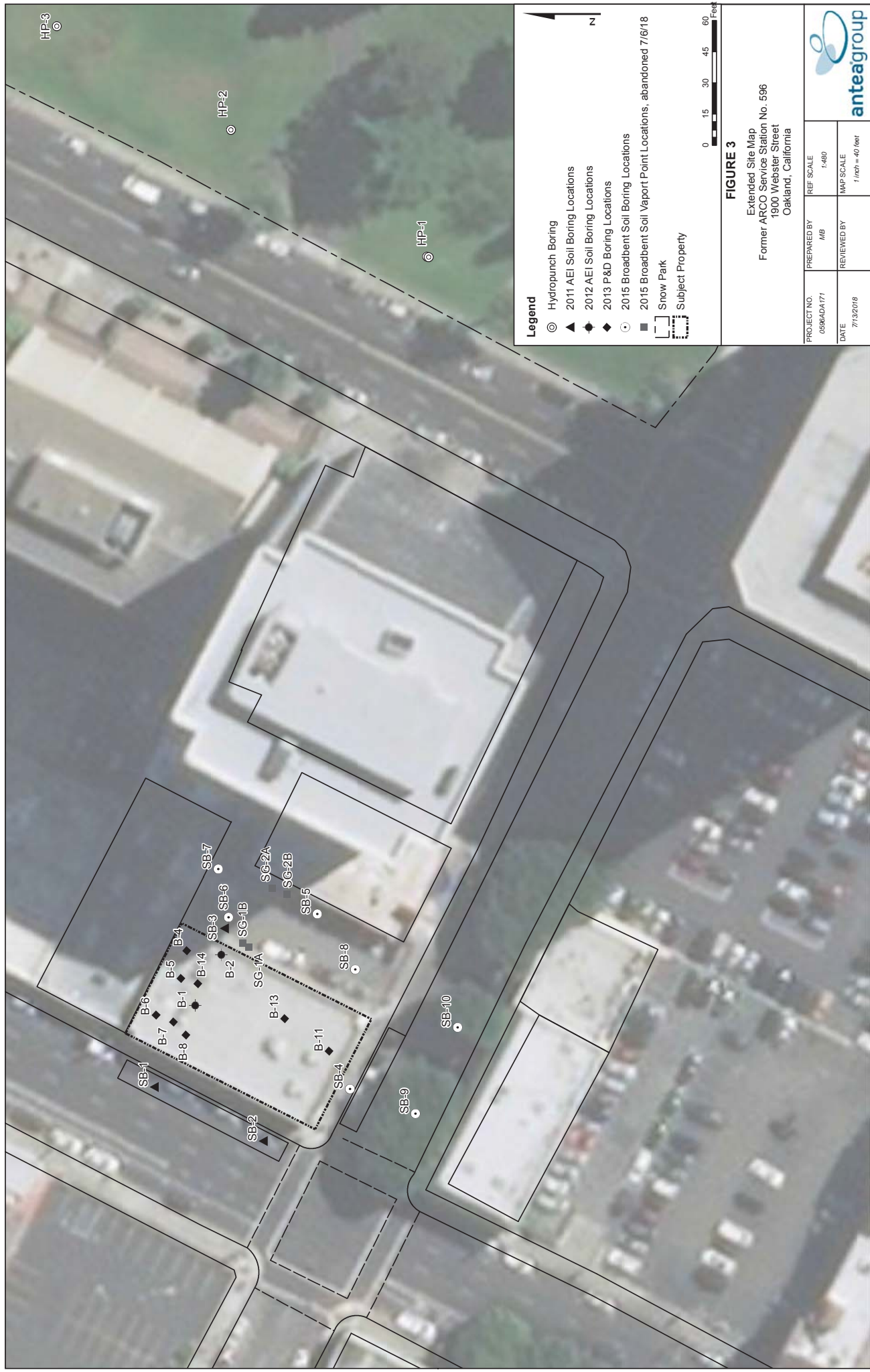
PROJECT NO. 0596ADA171	PREPARED BY SF	REF SCALE 1:24,000	
DATE 4/26/2017	REVIEWED BY	MAP SCALE 1 inch = 2,000 feet	



- Legend**
- ▲ 2011 AEI Soil Boring Locations
  - ◆ 2012 AEI Soil Boring Locations
  - ◆ 2013 P&D Boring Locations
  - 2015 Broadbelt Soil Boring Locations
  - 2015 Broadbelt Soil Vapor Point Locations, Abandoned 7/6/18
  - ▭ Subject Property

**FIGURE 2**  
 Detailed Site Map  
 7/13/2018  
 Former ARCO Service Station No. 596  
 1900 Webster Street  
 Oakland, California

PROJECT NO. 0596A0471	PREPARED BY MB	REF SCALE 1:360	
DATE 7/13/2018	REVIEWED BY	MAP SCALE 1 inch = 30 feet	



- Legend**
- Hydroponic Boring
  - ▲ 2011 AEI Soil Boring Locations
  - ◆ 2012 AEI Soil Boring Locations
  - ◆ 2013 P&D Boring Locations
  - 2015 Broadbent Soil Boring Locations
  - 2015 Broadbent Soil Vaport Point Locations, abandoned 7/6/18
  - Snow Park
  - ▭ Subject Property



**FIGURE 3**

Extended Site Map  
 Former ARCO Service Station No. 596  
 1900 Webster Street  
 Oakland, California

PROJECT NO. 0596/04/71	PREPARED BY MB	REF SCALE 1:480	
DATE 7/13/2018	REVIEWED BY	MAP SCALE 1 inch = 40 feet	

*Well Abandonment Report*  
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*Global I.D. No. T10000004348*  
*Antea Group Project No. 0596ADA171*



## ***Appendix A***

Agency Correspondence

## **Detterman, Karel, Env. Health**

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**From:** Detterman, Karel, Env. Health  
**Sent:** Friday, April 27, 2018 11:02 AM  
**To:** charles.carmel@bp.com  
**Cc:** Roe, Dilan, Env. Health; Khatri, Paresh, Env. Health; sammy@highcomsecurityservices.com; Patzelt, William (Antea Group)  
**Subject:** Fuel Leak Case RO3100; GeoTracker Global IDT10000004348, Buttner Property, 1900 Webster Street, Oakland, CA  
**Attachments:** Attachment\_1\_and\_GeoTrackerInstructions\_2017-12-14 K.pdf

Hello Mr. Carmel:

Alameda County Department of Environmental Health (ACDEH) staff has reviewed the fuel leak case file for the above-referenced site and determined that the site appears to qualify for case closure in accordance with the State Water Board's Low-Threat Underground Storage Tank Case Closure Policy. The Public Comment Period ends on May 5, 2018; however ACDEH authorizes immediate destruction of the site's four soil vapor wells. Please begin the well destruction permitting process now by contacting Alameda County Public Works Agency at (510) 567-6791 to obtain the necessary permits. Please provide ACDEH with at least three (3) business day notification prior to conducting the fieldwork.

ACDEH requests that you perform the requested work and submit the document requested below by the revised compliance date. Please note that the new Well Destruction Report due date has been advanced one week earlier to May 14, 2018. Upon completion of the public comment period and receipt of the requisite document, ACDEH will close the case and issue a Remedial Action Completion Certificate (RACC).

### **Technical Comment:**

**Revised Well Destruction and Waste Removal Report** – Prepare a report documenting well destruction and waste removal activities. The report must include the well status table, well destruction permits, and waste manifests signed by the accepting disposal facility.

To satisfy this requirement, please submit the report to the State Water Board's Geotracker website in accordance the compliance date listed below.

- Well Destruction and Waste Removal Report – May 14, 2018 ~~May 21, 2018~~

Thank you,

Karel Detterman, PG  
Senior Hazardous Materials Specialist  
Alameda County Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502  
Direct: 510.567.6708  
Fax: 510.337.9335  
Email: [karel.detterman@acgov.org](mailto:karel.detterman@acgov.org)

PDF copies of case files can be downloaded at:

<http://www.acgov.org/aceh/lop/ust.htm>

cc Hard Copy to: Edgar M. Buttner Trust, 121 St. James Drive, Piedmont, CA 94611-3603

<b>Alameda County Environmental Cleanup Oversight Programs (LOP and SCP)</b>	<b>REVISION DATE:</b> December 14, 2017
	<b>ISSUE DATE:</b> July 25, 2012
	<b>PREVIOUS REVISIONS:</b> September 17, 2013, May 15, 2014, December 12, 2016
<b>SECTION:</b> ACDEH Procedures	<b>SUBJECT:</b> Responsible Party(ies) Legal Requirements / Obligations

REPORT & DELIVERABLE REQUESTS

Alameda County Department of Environmental Health (ACDEH) Cleanup Oversight Programs, Local Oversight Program (LOP) and Site Cleanup Program (SCP) require submission of all reports in electronic form to the State Water Board's (SWB) GeoTracker website in accordance with California Code of Regulations, Chapter 30, Division 3, Title 23 and Division 3, Title 27.

Leaking Underground Fuel Tank (LUFT) Cases

Reports and deliverable requests are pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party (RP) in conjunction with an unauthorized release from a petroleum underground storage tank (UST) system.

Site Cleanup Program (SCP) Cases

For non-petroleum UST cases, reports and deliverables requests are pursuant to California Health and Safety Code Section 101480.

ELECTRONIC SUBMITTAL OF REPORTS

A complete report submittal includes the PDF report and all associated electronic data files, including but not limited to GEO\_MAP, GEO\_XY, GEO\_Z, GEO\_BORE, GEO\_WELL, and laboratory analytical data in Electronic Deliverable Format™ (EDF). Additional information on these requirements is available on the State Water Board's website ([http://www.waterboards.ca.gov/water\\_issues/programs/ust/electronic\\_submittal/](http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/))

- Do not upload draft reports to GeoTracker
- Rotate each page in the PDF document in the direction that will make it easiest to read on a computer monitor.

GEOTRACKER UPLOAD CERTIFICATION

Each report submittal is to include a GeoTracker Upload Summary Table with GeoTracker valid values<sup>1</sup> as illustrated in the example below to facilitate ACDEH review and verify compliance with GeoTracker requirements.

**GeoTracker Upload Table Example**

Report Title	Sample Period	PDF Report	GEO_MAPS	Sample ID	Matrix	GEO_Z	GEO_XY	GEO_BORE	GEO_WELL	EDF
<b>2016 Subsurface Investigation Report</b>	2016 S1	✓	✓	Effluent	SO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
<b>2012 Site Assessment Work Plan</b>	2012	✓	✓			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2010 GW Investigation Report</b>	2008 Q4	✓	✓	SB-10	W	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
				SB-10-6	SO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
				MW-1	WG	✓	✓	✓	✓	✓
				SW-1	W	✓	✓	✓	✓	✓

<sup>1</sup> GeoTracker Survey XYZ, Well Data, and Site Map Guidelines & Restrictions, CA State Water Resources Control Board, April 2005



<b>Alameda County Environmental Cleanup Oversight Programs (LOP and SCP)</b>	<b>REVISION DATE:</b> NA
	<b>ISSUE DATE:</b> December 14, 2017
	<b>PREVIOUS REVISIONS:</b> September 17, 2013, May 15, 2014, December 12, 2016
<b>SECTION:</b> ACDEH Procedures	<b>SUBJECT:</b> Responsible Party(ies) Legal Requirements / Obligations

ACKNOWLEDGEMENT STATEMENT

All work plans, technical reports, or technical documents submitted to ACDEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to the State Water Board's GeoTracker website." This letter must be signed by the Responsible Party, or legally authorized representative of the Responsible Party.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6731, 6735, and 7835) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately licensed or certified professional and include the professional registration stamp, signature, and statement of professional certification. Additional information is available on the Board of Professional Engineers, Land Surveyors, and Geologists website at: <http://www.bpelsg.ca.gov/laws/index.shtml>.

UNDERGROUND STORAGE TANK CLEANUP FUND

For LUFT cases, RP's non-compliance with these regulations may result in ineligibility to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse the cost of cleanup. Additional information is available on the internet at: [https://www.waterboards.ca.gov/water\\_issues/programs/ustcf/](https://www.waterboards.ca.gov/water_issues/programs/ustcf/)

AGENCY OVERSIGHT

Significant delays in conducting site assessment/cleanup or report submittals may result in referral of the case to the Regional Water Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

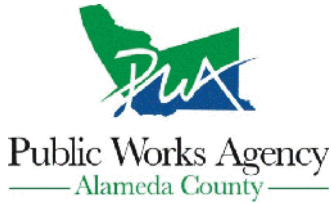
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## ***Appendix B***

Alameda County Permit

# Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street  
Hayward, CA 94544-1395  
Telephone: (510)670-6633 Fax:(510)782-1939

**Application Approved on: 05/31/2018 By jamesy**

**Permit Numbers: W2018-0468**  
**Permits Valid from 06/07/2018 to 06/07/2018**

**Application Id:** 1526600500738  
**Site Location:** 334 19th Street, Oakland, CA 94612, USA-(1900 Webster Street)  
**Project Start Date:** 06/07/2018  
**Assigned Inspector:** Contact Marcelino Vialpando at (510) 670-5760 or Marcelino@acpwa.org

**City of Project Site:**Oakland

**Completion Date:**06/07/2018

**Applicant:** Antea Group USA Inc - Manny Padilla  
3229 East Spring Street, Long Beach, CA 90806  
**Property Owner:** Bgd Building, LLC  
334 19th Street, Oakland, CA 94612  
**Client:** Charles Carmel  
4 Centerpointe drive, suite 200, La Plama, CA 90623  
**Contact:** Manny Padilla

**Phone:** 562-205-2556  
**Phone:** --  
**Phone:** 925-890-5377  
**Phone:** 562-206-2556  
**Cell:** 562-221-2503

<b>Receipt Number: WR2018-0283</b>	<b>Total Due:</b>	\$265.00
<b>Payer Name : Manuel S Padilla</b>	<b>Total Amount Paid:</b>	\$265.00
	<b>Paid By: MC</b>	<b>PAID IN FULL</b>

**Works Requesting Permits:**

Well Destruction-Vapor monitoring well - 4 Wells  
Driller: Cascade Drilling Technical Services - Lic #: 938110 - Method: other

**Work Total: \$265.00**

**Specifications**

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2018-0468	05/31/2018	09/05/2018	SG-1A	3.50 in.	0.13 in.	1.50 ft	3.50 ft			
W2018-0468	05/31/2018	09/05/2018	SG-1B	3.50 in.	0.13 in.	3.50 ft	5.50 ft			
W2018-0468	05/31/2018	09/05/2018	SG-2A	3.50 in.	0.13 in.	1.50 ft	3.50 ft			
W2018-0468	05/31/2018	09/05/2018	SG-2B	3.50 in.	0.13 in.	3.50 ft	5.50 ft			

**Specific Work Permit Conditions**

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.
2. Compliance with the above well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate state reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 30 days, including permit number and site map.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

## Alameda County Public Works Agency - Water Resources Well Permit

4. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned.
  5. No changes in construction procedures or well type shall change, as described on this permit application. This permit may be voided if it contains incorrect information.
  6. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
  7. Remove the Christy box or similar structure. Overdrill or clean out to original depth. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
  8. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
  9. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
  10. Vapor monitoring wells constructed with tubing shall be decommissioned by complete removal of tubing, grout seal, and fill material of sand or bentonite. Fill material may be removed by hand auger if material can be removed completely.
- Vapor monitoring wells constructed with pvc pipe less than 2" shall be overdrilled to total depth.
- Vapor monitoring wells constructed with 2" pvc pipe or larger may be grouted by tremie pipe (any depth) or pressure grouted (less than 30', 25 psi for 5 min).
-

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## ***Appendix C***

Soil Boring and Well Installation Logs



# LITHOLOGIC AND MONITOR WELL CONSTRUCTION LOG

PROJECT NAME: BP 596A SITE ADDRESS: 1900 Webster Street, Oakland, California  
 PROJECT NUMBER: 14-90-103 LEGAL DESC: \_\_\_\_\_ APN: \_\_\_\_\_  
 LOGGED BY: Nick Vrdoljak FACILITY ID OR WAIVER: \_\_\_\_\_ NOI NUMBER: \_\_\_\_\_  
 DATE: 2/4/2015 START: 0922 DRILLING COMPANY: Gregg DRILLER: L.S.  
 WELL ID: SG-1A STOP: 0945 DRILLING METHOD: Hand Auger SAMPLE METHOD: N/A

DEPTH (FEET)	VAPOR POINT CONSTRUCTION DIAMETER: <u>0.25"</u>	SAMPLE ID	PID	MOISTURE			COLOR			CONSISTENCY			GRAIN SIZE			CLASSIFICATION	REMARKS & ODORS
0													Concrete/Asphalt				
1				Dry	Dark Brown	Loose				Silty Sand with Crushed Brick		SM	No Odor				
2																	
3																	
4																	
5																	

TOTAL BORING DEPTH: 3.5' PAGE NO: 1 OF 1 ESTIMATED GROUNDWATER DEPTH: NA

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED.



# LITHOLOGIC AND MONITOR WELL CONSTRUCTION LOG

PROJECT NAME: BP 596A SITE ADDRESS: 1900 Webster Street, Oakland, California  
 PROJECT NUMBER: 14-90-103 LEGAL DESC: \_\_\_\_\_ APN: \_\_\_\_\_  
 LOGGED BY: Nick Vrdoljak FACILITY ID OR WAIVER: \_\_\_\_\_ NOI NUMBER: \_\_\_\_\_  
 DATE: 2/4/2015 START: 0945 DRILLING COMPANY: Gregg DRILLER: L.S.  
 WELL ID: SG-1B STOP: 1010 DRILLING METHOD: Hand Auger SAMPLE METHOD: N/A

DEPTH (FEET)	VAPOR POINT CONSTRUCTION DIAMETER: 0.25"	SAMPLE ID	PID	MOISTURE COLOR CONSISTENCY			GRAIN SIZE	CLASSIFICATION	REMARKS & ODORS
				MOISTURE	COLOR	CONSISTENCY			
0							Concrete/Asphalt		
1				Dry	Brown	Loose	Silty Sand with Brick Pieces	SM	No Odor
2									
3			0.0	Slightly Moist	Dark Brown	Medium			
4									
5					Light Brown				

TOTAL BORING DEPTH: 5.5' PAGE NO: 1 OF 1 ESTIMATED GROUNDWATER DEPTH: NA

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED.



# LITHOLOGIC AND MONITOR WELL CONSTRUCTION LOG

PROJECT NAME: BP 596A SITE ADDRESS: 1900 Webster Street, Oakland, California  
 PROJECT NUMBER: 14-90-103 LEGAL DESC: \_\_\_\_\_ APN: \_\_\_\_\_  
 LOGGED BY: Nick Vrdoljak FACILITY ID OR WAIVER: \_\_\_\_\_ NOI NUMBER: \_\_\_\_\_  
 DATE: 2/4/2015 START: 0820 DRILLING COMPANY: Gregg DRILLER: L.S.  
 WELL ID: SG-2A STOP: 0835 DRILLING METHOD: Hand Auger SAMPLE METHOD: N/A

DEPTH (FEET)	VAPOR POINT CONSTRUCTION DIAMETER: 0.25"	SAMPLE ID	PID	MOISTURE			COLOR	CONSISTENCY	GRAIN SIZE	CLASSIFICATION	REMARKS & ODORS
0								Concrete/Asphalt			
1								Road Base and Brick			
2											
3			0.0	Slightly Moist	Brown	Medium Dense		Silty Sand with Some Clay	SM	No Odor	
4											
5											

TOTAL BORING DEPTH: 3.5' PAGE NO: 1 OF 1 ESTIMATED GROUNDWATER DEPTH: NA

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED.





# LITHOLOGIC AND MONITOR WELL CONSTRUCTION LOG

PROJECT NAME: BP 596A SITE ADDRESS: 1900 Webster Street, Oakland, California  
 PROJECT NUMBER: 14-90-103 LEGAL DESC: \_\_\_\_\_ APN: \_\_\_\_\_  
 LOGGED BY: Nick Vrdoljak FACILITY ID OR WAIVER: \_\_\_\_\_ NOI NUMBER: \_\_\_\_\_  
 DATE: 2/4/2015 START: 0745 DRILLING COMPANY: Gregg DRILLER: L.S.  
 WELL ID: SG-2B STOP: 0820 DRILLING METHOD: Hand Auger SAMPLE METHOD: N/A

DEPTH (FEET)	VAPOR POINT CONSTRUCTION DIAMETER: 0.25"	SAMPLE ID	PID	MOISTURE			COLOR	CONSISTENCY	GRAIN SIZE	CLASSIFICATION	REMARKS & ODORS
0											
1								Concrete/Asphalt			
2								Road Base with Brick Pieces			
3			0.2	Slightly Moist	Light Brown	Loose		Silty Sand	SM	No Odor	
4											
5											

TOTAL BORING DEPTH: 5.5' PAGE NO: 1 OF 1 ESTIMATED GROUNDWATER DEPTH: NA

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED.

*Well Abandonment Report  
Former ARCO Service Station No. 596  
1900 Webster Street, Oakland, California 94612  
Global I.D. No. T10000004348  
Antea Group Project No. 0596ADA171*



## ***Appendix D***

Waste Manifest

# Manifest

## SOIL SAFE OF CA - TPST Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment: / / Responsible for Payment: Transport Truck #: Facility #: A07 Approval Number: Load #

Generator's Name and Billing Address:  
BP WEST COAST PRODUCTS, LLC  
P.O. BOX 80248  
RANCHO SANTA MARGARITA, CA 92688

Generator's Phone #: 949-480-6200  
Person to Contact:  
FAX#: Customer Account Number

Consultant's Name and Billing Address:  
Consultant's Phone #:  
Person to Contact:  
FAX#: Customer Account Number

Generation Site (Transport from): (name & address)  
BP 00598-A  
1900 WEBSTER STREET  
OAKLAND, CA 94612

Site Phone #:  
Person to Contact:  
FAX#:

Designated Facility (Transport to): (name & address)  
SOIL SAFE  
12328 HIBISCUS AVENUE  
ADELANTO, CA 92301

Facility Phone #:  
(800) 882-8001  
Person to Contact:  
JOE PROVANSAL  
FAX#: (760) 246-8004

Transporter Name and Mailing Address:  
BELSHIRE  
25971 TOWNE CENTRE DRIVE  
FOOTHILL RANCH, CA 92610  
BESI: 295009


Transporter's Phone #: 949-480-6200  
Person to Contact:  
LARRY MOOTHART  
FAX#: 949-480-5210  
Customer Account Number: CAR000183913  
450647

Description of Soil	Molsture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>	01 DM	SOIL			
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>					

List any exception to items listed above: Scale Ticket #

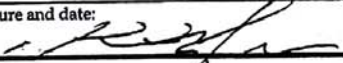
Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator  Consultant   
Larry Moothart of BESI on behalf of generator

Signature and date:  Month: 7 Day: 6 Year: 18

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: KEITH JENSON

Signature and date:  Month: 7 Day: 6 Year: 18

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: J. PROVANSAL

Signature and date:

Please print or type

FACILITY COPY