

**RECEIVED**

By Alameda County Environmental Health at 9:05 am, Feb 22, 2013

Ms. Dilan Roe, P.E.  
Hazardous Materials Specialist  
Alameda County Environmental Health  
1131 Harbor Bay Parkway  
Alameda, California 94502

ARCADIS U.S., Inc.  
100 Montgomery Street  
Suite 300  
San Francisco  
California 94104  
Tel 415.374.2744  
Fax 415.374.2745  
[www.arcadis-us.com](http://www.arcadis-us.com)

Subject:

**Well Destruction Report**

Former BP Service Station No. 11266  
1541 Park Street  
Alameda, California  
ACEH Case # RO0000318

ENVIRONMENT

Dear Ms. Dilan Roe:

ARCADIS U.S., Inc (ARCADIS) has prepared this Well Destruction Report on behalf of Atlantic Richfield Company (ARCO), a BP affiliated company, for the former ARCO Service Station No. 11266, located at 1541 Park Street in the city of Alameda, California.

I declare, to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct. If you have any questions or comments regarding the contents of this report, please contact Hollis Phillips by telephone at 415.432.6903 or by e-mail at [hollis.phillips@arcadis-us.com](mailto:hollis.phillips@arcadis-us.com).

Sincerely,

ARCADIS U.S., Inc.



Hollis Phillips, P.G. (No. 6887)  
Project Manager/Principal Geologist

Copies: GeoTracker upload/ACEH upload

Raymond Yeung, Property Owner, 1541 Park Street, Alameda, California

Date:  
February 21, 2013

Contact:  
Hollis Phillips

Phone:  
415.432.6903

Email:  
[Hollis.Phillips@arcadis-us.com](mailto:Hollis.Phillips@arcadis-us.com)

Our ref:  
GP09BPNA.C001.Q0000



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ENVIRONMENTAL

Subject:

**Well Destruction Report**

Former BP Service Station No. 11266  
1541 Park Street  
Alameda, California  
ACEH Case # RO0000318

Date:  
February 21, 2013

Dear Ms. Dilan Roe:

Contact:  
Hollis E. Phillips

On behalf of BP West Coast Products, LLC (BP West), ARCADIS U.S., Inc. (ARCADIS) is pleased to submit this Well Destruction Report to the Alameda County Environmental Health Department (ACEH). This report documents the destruction of six groundwater monitoring wells and one recovery well at the Former British Petroleum (BP) Station No. 11266 (site) located at 1541 Park St., Alameda, California (Figure 1).

Phone:  
415.432.6903

Email:  
[hollis.phillips@arcadis-us.com](mailto:hollis.phillips@arcadis-us.com)

Destruction of the site wells was requested in the *Recommendation for Case Closure* received by the ACEH on February 24, 2011. ACEH required no further action in a letter dated July 31, 2012. Through e-mail correspondence on August 9, 2012, the San Francisco Regional Water Quality Control Board (SFRWQCB) stated that the SFRWQCB needed to first close the site prior to any destruction activities and that destruction event should be put on hold. On January 3, 2013, ACEH required no further action and ordered the destruction of the monitoring wells.

Our ref:  
GP09BPNA.C001

Prior to conducting the field activities, ARCADIS obtained well destruction permits W2013-0051 through W2013-0057 from the Alameda County Public Works Agency (ACPWA). Copies of the permits are included as Attachment A. ARCADIS notified the Underground Service Alert (USA) to identify subsurface utilities for the city (USA ticket number 52657) prior to the start of work. Cruz Brothers, a private utility locate company located in Scotts Valley, California, identified utilities not included under the public locating service using electromagnetic surveying equipment on February 13, 2013. ARCADIS contracted Gregg Drilling, LP (Gregg) of Martinez, California to destroy the wells. Gregg is a California-licensed drilling contractor (C57 License

Imagine the result

No.485165). The monitoring wells were destroyed from February 14 through February 15, 2013.

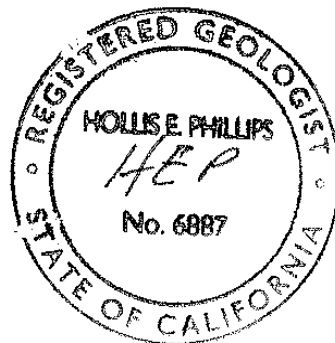
Ms. Vicky Hamlin from the ACPWA provided inspection and oversight of the well destruction activities. The wells were destroyed in accordance with ACPWA permit requirements. All 7 well boxes were removed before destroying the wells by pressure grouting. Neat cement grout was placed in each well from the bottom of the well to ground surface and placed under 25 pounds per square inch (psi) of pressure for 5 minutes under the direct supervision of the ACPW inspector. The well was completed to match the surrounding ground surface conditions. The top 5 feet of monitoring well MW-6, located on Lincoln Avenue, were overdrilled per City of Alameda requirements. Refer to Attachment B for photographs of the wells before they were grouted and after the surface completions were finished. Table 1 provides well details and estimates of the volume of neat cement grout pumped into each monitoring well.

Copies of the well Completion Reports submitted to the ACPWA and ACEH are included in Attachment C.

With the completion of the above mentioned well destruction activities, ARCADIS does not believe that there are any remaining issues associated with ACEH Case # RO0000318; therefore, this site should be considered closed with regard to the previous environmental issues associated with this site. If you have any questions or need additional information regarding this site please contact Hollis Phillips at 415.432.6903. Thank you for your assistance with closing Former BP Site #11266.

Sincerely,

ARCADIS U.S., Inc.



Hollis E. Phillips, PG (No. 6887)  
Project Manager/Principal Geologist



Ms. Dilan Roe  
February 21, 2013

## Attachments

Figure 1 – Site Location Map

Figure 2 – Site Plan

Table 1 – Neat Cement Grout Estimated Volumes

Attachment A – Well Destruction Permits

Attachment B – Completion Photos

Attachment C – Well Completion Reports

Copies:

Geotracker upload/ACEH upload

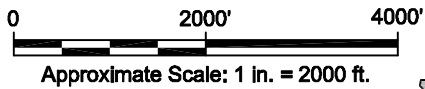
Raymond Yeung, Property Owner, 1541 Park Street, Alameda, California

**Figures**

CITY: PATALUMA, CA DIV/GROUP: ENV. DB: J. HARRIS. LD: ... PIC: S.GLENN. PM: H.PHILLIPS. TM: J. AMMERMAN. LTR: (ON)ON="OFF".REF: G:ENV/CAD/Pataluma/ACT/PG09BPNA/COU/000011541/Park Street-Alameda/figure 1\_Site Location Map.dwg LAYOUT: T:SAVED: 10/29/2009 4:39 PM ACADVER: 17.15 (LMS TECH) PAGESETUP: SETUP1 PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 10/29/2009 7:57 PM BY: HARRIS, JESSICA



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., OAKLAND WEST, CA., 1993, AND SAN LEANDRO, 1993, REVISED 1996.



FORMER BP SERVICE STATION #11266  
1541 PARK STREET  
ALAMEDA, CALIFORNIA

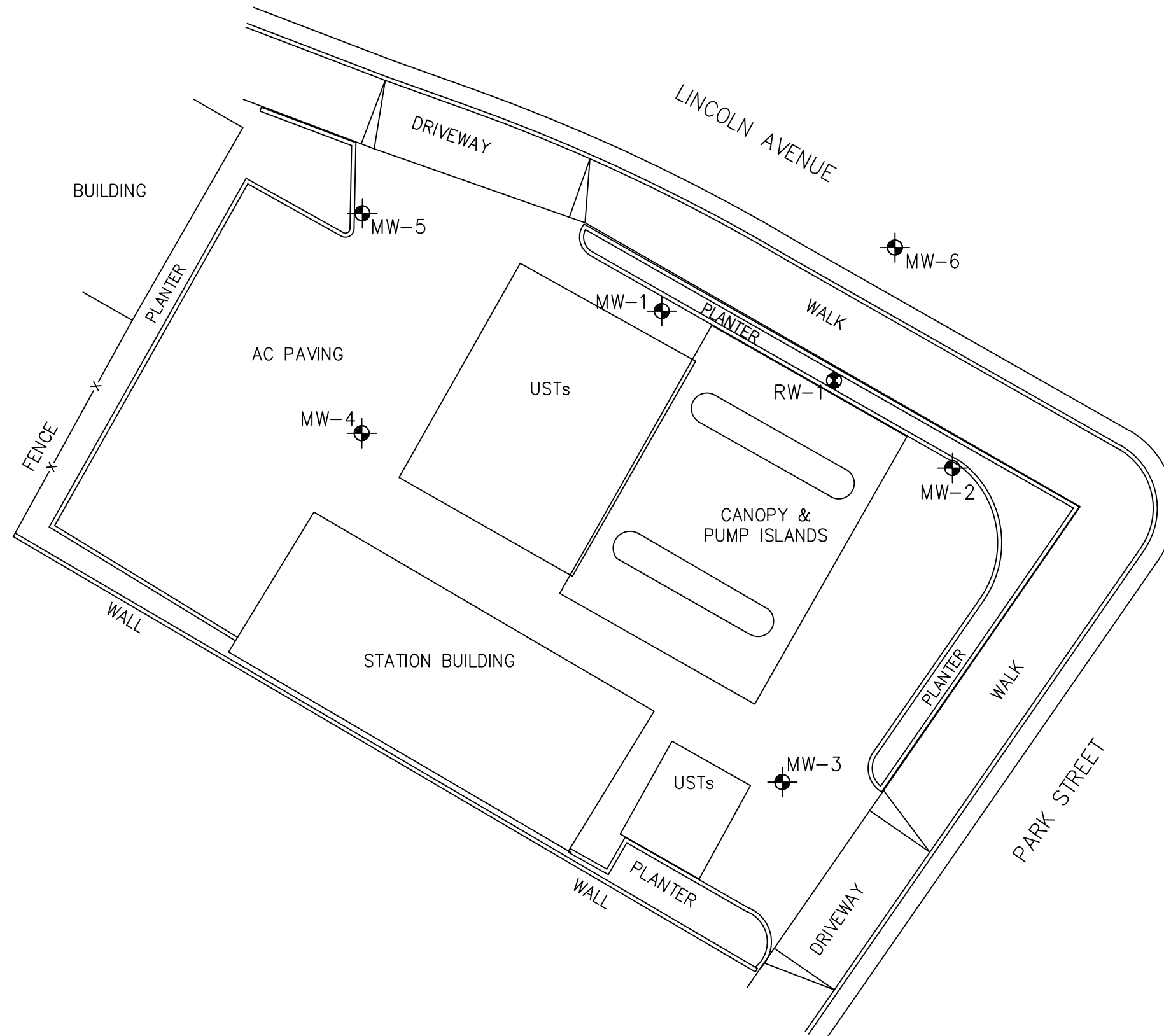
**SITE LOCATION MAP**



FIGURE  
**1**

CITY: PETALUMA, CA DIV/GROUP: ENV DB: J. HARRIS  
G:\ENV\CA\petalumact\GP08BPNAC001\00000\CLOSURE REPORT\DWG\GP08BPNAC001-B04.dwg LAYOUT: 2  
SAVED: 2/19/2013 1:10 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: SETUP2 PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 2/19/2013 1:13 PM BY: HARRIS, JESSICA

XREFS: IMAGES: GP08BPNAC001-X01  
PROJECTNAME: ---



LEGEND

- ⊕ MONITORING WELL
- ⊗ RECOVERY WELL



FORMER BP SERVICE STATION #11266  
1541 PARK STREET  
ALAMEDA, CALIFORNIA

SITE PLAN

NOTE:  
BASEMAP PROVIDED BY BROADBENT & ASSOCIATES, INC., PROJECT  
REFERENCE NO. 06-88-658, DATED SEPTEMBER 30, 2009, AT A  
SCALE OF 1"=30'.



FIGURE  
2

**Tables**



**Table 1**  
**Neat Cement Grout Estimated Volumes**  
**CA-11266**  
**1541 Park St., Alameda, CA 94501**

<b>Well ID</b>	<b>Total Depth (feet)</b>	<b>Boring Radius (feet)</b>	<b>Neat Cement Grout Estimated Volume (gallons)</b>
MW-1	25	0.17	15
MW-2	25	0.17	15
MW-3	25	0.17	15
MW-4	25	0.17	15
MW-5	25	0.17	15
MW-6	25	0.17	15
RW-1	30	0.5	50



**Attachment A**

Well Destruction Permits

# 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: 01/23/2013 By jamesy**

**Permit Numbers: W2013-0051 to W2013-0057**  
**Permits Valid from 01/30/2013 to 01/31/2013**

**Application Id:** 1358445541504  
**Site Location:** 1541 Park St, Alameda  
**Project Start Date:** 01/30/2013  
**Assigned Inspector:** Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org

**City of Project Site:** Alameda  
**Completion Date:** 01/31/2013

**Applicant:** Arcadis - Hollis Phillips  
100 Montgomery, San Francisco, CA 94104  
**Property Owner:** Ray Yeung  
1541 Park St., Alameda, CA 94501  
**Client:** Atlantic Richfield Co.  
PO Box 1257, San Ramon, CA 94583

**Phone:** 415-432-6903  
**Phone:** --  
**Phone:** --

<b>Receipt Number: WR2013-0025</b>	<b>Total Due:</b>	<b>\$2779.00</b>
<b>Payer Name : Arcadis</b>	<b>Total Amount Paid:</b>	<b>\$2779.00</b>
	<b>Paid By: CHECK</b>	<b>PAID IN FULL</b>

**Works Requesting Permits:**

Well Destruction-Monitoring - 7 Wells  
Driller: Gregg Drilling - Lic #: 485165 - Method: press

**Work Total: \$2779.00**

**Specifications**

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2013-0051	01/23/2013	04/30/2013	MW1	8.00 in.	2.00 in.	6.00 ft	25.00 ft	2S/3W7N5	88010	Logs Only
W2013-0052	01/23/2013	04/30/2013	MW2	8.00 in.	2.00 in.	6.00 ft	25.00 ft	2S/3W7N6	88010	Logs Only
W2013-0053	01/23/2013	04/30/2013	MW3	8.00 in.	2.00 in.	7.00 ft	25.00 ft	2S/3W7N7	88010	Logs Only
W2013-0054	01/23/2013	04/30/2013	MW4	9.00 in.	2.00 in.	3.00 ft	25.00 ft	2S/3W7N8	89124	Logs Only
W2013-0055	01/23/2013	04/30/2013	MW5	9.00 in.	2.00 in.	3.00 ft	25.00 ft	2S/3W7N9	89124	Logs Only
W2013-0056	01/23/2013	04/30/2013	MW6	9.00 in.	2.00 in.	3.00 ft	25.00 ft	2S/3W7N10	89124	Logs Only
W2013-0057	01/23/2013	04/30/2013	RW-1	0.00 in.	2.00 in.	0.00 ft	30.00 ft	2S/3W7N30	92155	No Records

**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. 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. No work shall begin until all the permits and requirements have been approved or obtained.

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

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or 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 60 days. Include permit number and site map.
4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
5. 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 and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.
6. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org 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. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
8. Remove the Christy box or similar structure.

Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil.

After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.

9. 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.
-



**Attachment B**

Completion Photos



Jack hammering and removing MW-3 well box.



MW-4 grouted to surface.



Pressure grouting MW-1.



Overdrilling top 5 feet of MW-6.



MW-5 surface completion.



MW-3 surface completion.





**Attachment C**

Well Completion Reports













