

Atlantic Richfield Company

Shannon Couch
Operations Project Manager

2010 Crow Canyon Place
Suite 150
San Ramon, CA 94583
Phone: (925) 275-3804
Fax: (925) 275-3815
E-Mail: shannon.couch@bp.com

RECEIVED

8:31 am, Jul 13, 2011

Alameda County
Environmental Health

June 23, 2011

Re: Well Abandonment/Destruction Report
Atlantic Richfield Company Service Station #276
10600 MacArthur Boulevard, Oakland, California
ACEH Case #RO0002565

"I declare, that 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.

Submitted by,



Shannon Couch
Operations Project Manager

Attachment

WELL ABANDONMENT/DESTRUCTION REPORT

Atlantic Richfield Company Station No. 276
10600 MacArthur Boulevard
Oakland, Alameda County, California
ACEH Case #RO0002565

Prepared for:

Ms. Shannon Couch
Project Manager
Atlantic Richfield Company
P.O. Box 1257
San Ramon, California 94583

Prepared by:



875 Cotting Lane, Suite G
Vacaville, California 95688
(707) 455-7290
www.broadbentinc.com

June 23, 2011

Project No. 06-88-601

June 23, 2011

Project No. 06-88-601

Atlantic Richfield Company
P.O. Box 1257
San Ramon, CA 94583
Submitted via ENFOS

Attn.: Ms. Shannon Couch

Re: Well Abandonment/Destruction Report, Atlantic Richfield Company Station No. 276,
10600 MacArthur Boulevard, Oakland, Alameda County, California;

Dear Ms. Couch:

Broadbent & Associates, Inc. (BAI) is pleased to submit this *Well Abandonment/Destruction Report* for Atlantic Richfield Company Station No. 276 located at 10600 MacArthur Boulevard, Oakland, California (Site). This report documents the permanent decommissioning of ten groundwater monitor and seven vapor extraction wells as recommended in the Alameda County Department of Environmental Health's request (Appendix A) to complete the case closure activities for the Site.

Should you have questions or require additional information, please do not hesitate to contact us at (707) 455-7290.

Sincerely,

BROADBENT & ASSOCIATES, INC.



Thomas A. Sparrowe, P.G. #5065 (exp.12/31/12)
Senior Geologist



Enclosures

cc: Mr. Paresh Khatri, Alameda County Department of Environmental Health (Submitted via ACEH
ftp Site)
Electronic copy uploaded to GeoTracker

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- Drawing 1 Site Location Map
- Drawing 2 Well Abandonment Map

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- Appendix A Regulatory Correspondence
- Appendix B Well Destruction Permit

WELL ABANDONMENT/DESTRUCTION REPORT

Atlantic Richfield Company Station No. 276

10600 MacArthur Blvd, Oakland, CA

ACEH Case #RO0002565

1.0 INTRODUCTION

On behalf of the Atlantic Richfield Company, RM (a BP affiliated company) Broadbent & Associates, Inc. (BAI) has prepared this *Well Abandonment/Destruction Report* documenting case closure activities at Atlantic Richfield Company Station No. 276, located at 10600 MacArthur Blvd, Oakland, California (Site). Case Closure was recommended by Alameda County Department of Environmental Health (ACDEH) and the Regional Water Quality Control Board (RWQCB) in ACDEH's September 16, 2010 *Monitoring Well Destruction and Landowner Notification* letter. A copy of this letter is provided in Appendix A. This report includes discussions of field activities performed and recommendations.

2.0 SITE BACKGROUND

The Site is an active ARCO-brand gasoline retail station that consists of an AM/PM station building, four underground storage tanks (USTs), three dispenser islands, and a remediation compound located in the back area of the site. The Site is located on the east corner of the intersection of MacArthur Blvd. and 106th Avenue in Oakland, California (Drawing 1). The land use in the immediate vicinity of the Site is developed commercial and residential properties. The Site surface area is predominantly covered with concrete and asphalt.

3.0 FIELD ACTIVITIES PERFORMED

Between March 22 and 25, 2011, BAI oversaw Gregg Drilling, Inc. of Martinez, California, pressure grouted monitor wells MW-1 through MW-8, RW-1 and WGR-3, and vapor extraction wells VW-1 through VW-7. On June 1 and 2, 2011, BAI oversaw Cornerstone, LLC of Dublin, California, concrete fill well boxes VW-1 thru VW-7, MW-8, and MW-2 and decommission the remedial compound located in the east back corner of the site.

3.1 Preliminary Field Activities

Prior to initiating field activities, BAI submitted a *List of Landowners Notification Form* (Appendix A) to ACEH on September 10, 2010, obtained the necessary well destruction permits from the Alameda County Public Works Agency (ACPWA, Appendix B), prepared a site health and safety plan specific to the work scope, and cleared the Site for subsurface utilities. The utility clearance included notifying Underground Service Alert of the work a minimum of 48 hours prior to initiating the field investigation and securing the services of Cruz Brothers Utility Locators (Cruz) of Scotts Valley, California, to confirm the absence of underground utilities.

3.2 Well Destruction Activities

Between March 22 and 25, 2011, monitor wells MW-1 through MW-8, RW-1 and WGR-3, and vapor extraction wells VW-1 through VW-7 were destroyed by pressure grouting. Well boxes MW-1, MW-3 through MW-7, RW-1 and WGR-3 were removed and filled with grout and colored to match the surrounding asphalt. Well boxes for VW-1 through VW-7, MW-2 and MW-8 dimensions were 32 inch by 32 inch with varying depths of 30 inches to 36 inches. BAI concluded that these well boxes would require a lot of grout so therefore proposed to fill these well boxes with concrete at a later date. On June 1, 2011, well boxes VW-1 thru VW-7, MW-2 and MW-8 were filled with concrete. Cornerstone requested a concrete truck containing roughly 7.5 yards of concrete to pour in the respective well boxes. Piping inside the well vaults was removed and plugged before being filled with concrete. On June 2, 2011, the remediation compound was decommissioned and cleaned accordingly. All of the wells were destroyed in accordance with ACPWA's guidelines.

3.3 Well Destruction-Derived Residuals Management

All of the wells were destroyed by pressure grouting and well boxes were either filled with grout or concrete; therefore, no drill cuttings or liquids were generated during the Site abandonment activities that required hazardous waste disposal.

4.0 CONCLUSIONS & RECOMMENDATIONS

Monitor and vapor extraction wells were abandoned in general accordance with ACDEH's and RWQCB's monitor well destruction recommendations. Well abandonment work activities complete the Site case closure process. No further actions are recommended. We anticipate that following submittal of the report, Atlantic Richfield Company will be issued a "Remedial Action Completion Certificate". Atlantic Richfield Company is eagerly awaiting receipt of this documentation.

5.0 LIMITATIONS

This document has been prepared for the exclusive use of Atlantic Richfield Company. The findings presented in this report are based upon the observations of BAI field personnel. Services were performed in accordance with the generally accepted standard of practice at the time this report was written. No warranty, expressed or implied, is intended.

ATTACHMENTS:

- Drawing 1: Site Location Map
- Drawing 2: Well Abandonment Map

- Appendix A. Regulatory Correspondence
- Appendix B Well Destruction Permit

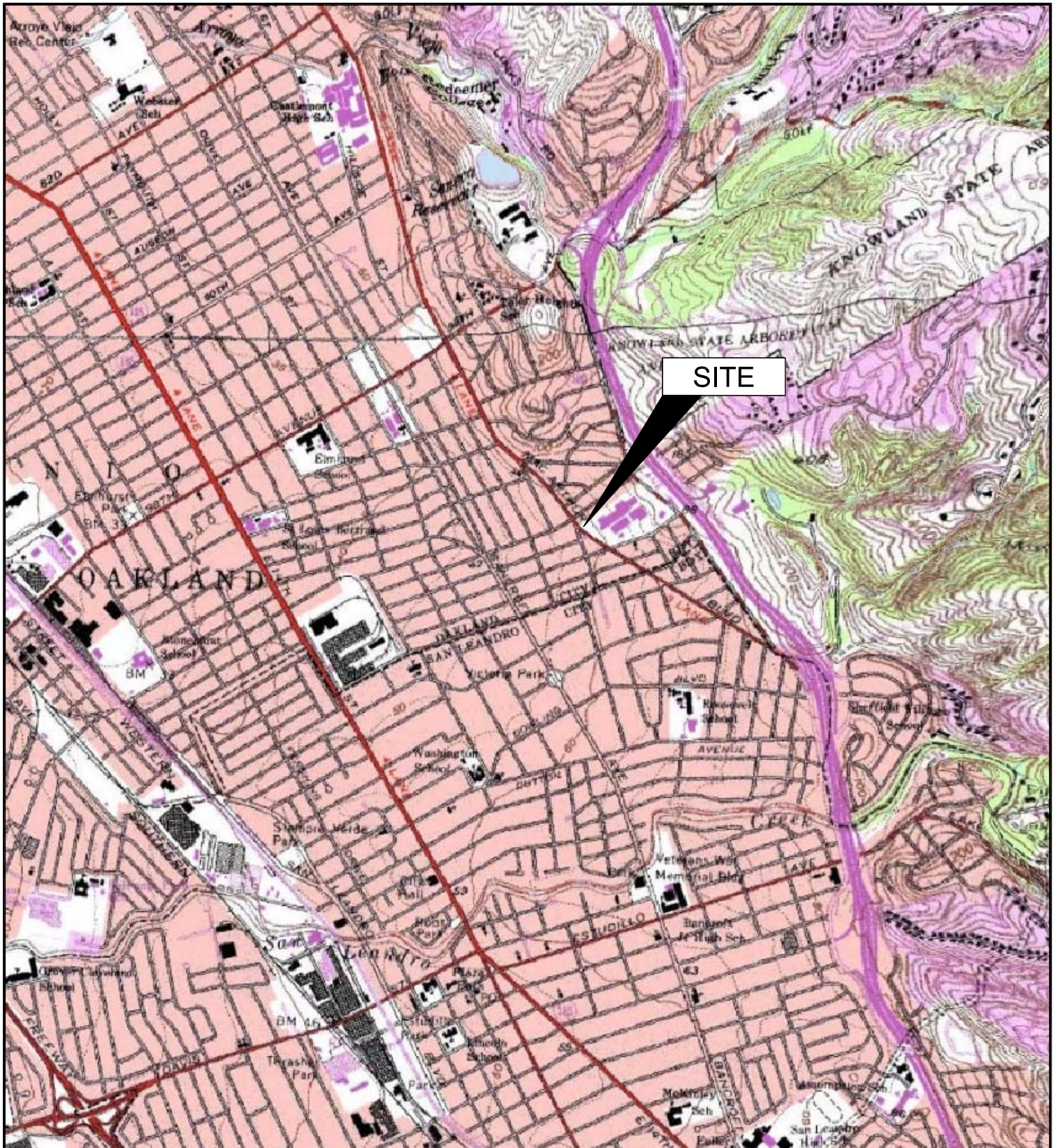


IMAGE SOURCE: USGS

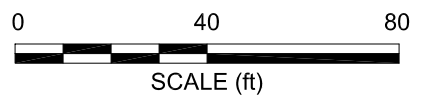
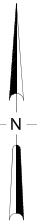
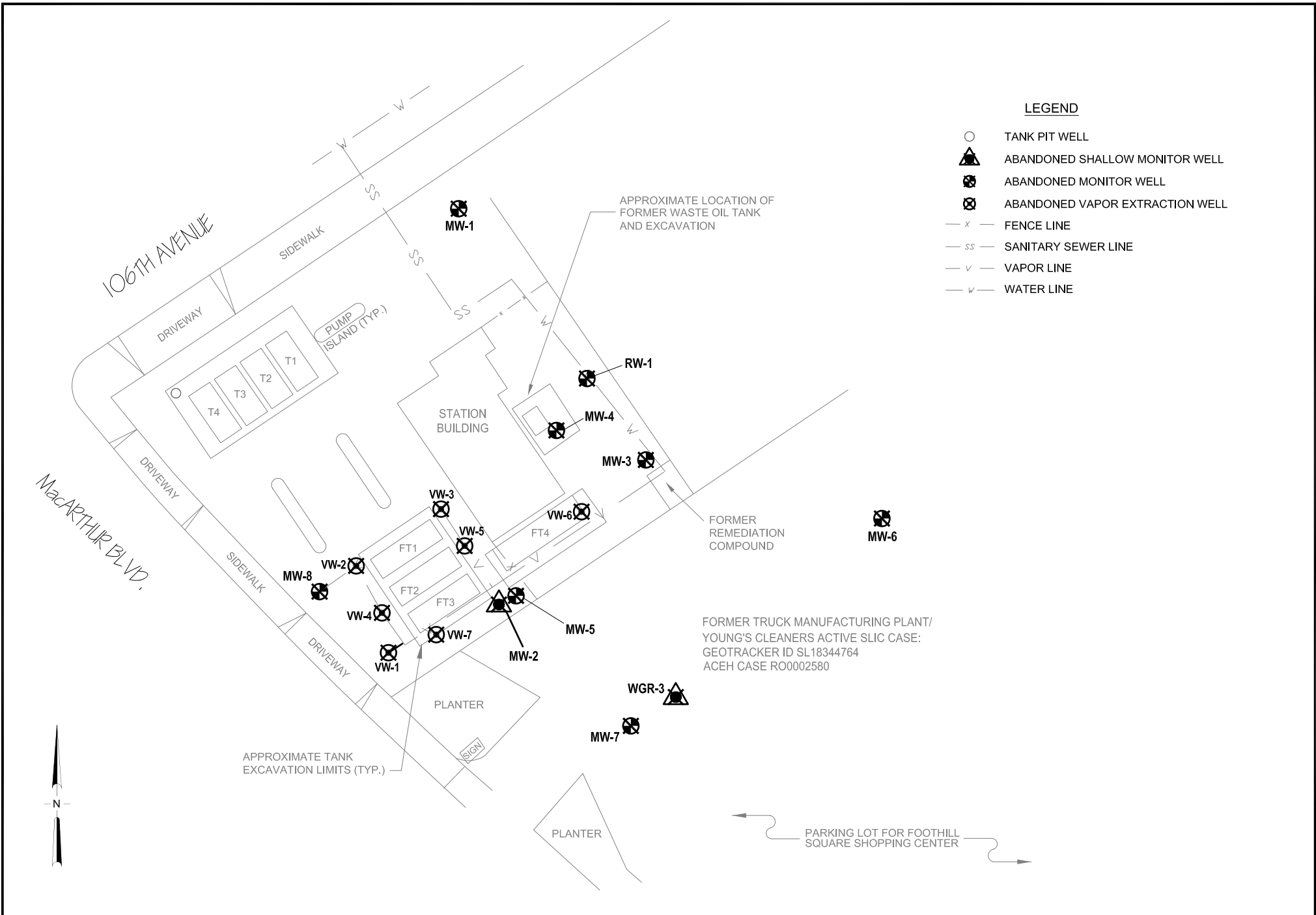
BROADBENT & ASSOCIATES, INC
 ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
 1324 Mangrove Ave. Suite 212, Chico, CA 95926
 Project No.: 06-88-601 Date: 9/1/09

Station #276
 10600 MacArthur Boulevard
 Oakland, California

Site Location Map

Drawing

1



BROADBENT & ASSOCIATES, INC.
 ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
 875 Cotting Lane #G, Vacaville, California
 Project No.: 06-88-601 Date: 6/10/2011

Station #276
 10600 MacArthur Boulevard
 Oakland, California

Well Abandonment Map

APPENDIX A

REGULATORY CORRESPONDENCE



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

September 16, 2010

Charles Carmel (*Sent via E-mail to: charles.carmel@bp.com*)
Atlantic Richfield Corporation
P.O. Box 1257
San Ramon, CA 94583

Subject: Monitoring Well Destruction and Landowner Notification for Fuel Leak Case No. RO0002565 and GeoTracker Global ID T0600108312, ARCO #0276, 10600 Macarthur Boulevard, Oakland, CA 94605

Dear Mr. Carmel:

Final approval of case closure for the underground storage tank investigation at the subject site is almost complete. A case summary report proposing closure had been forwarded to the Regional Water Quality Control Board (RWQCB) on September 10, 2010 for their thirty (30) day review period. The RWQCB notified Alameda County Environmental Health (ACEH) that they have no comments on the proposed closure action. Since no comments opposing closure were received, the monitoring wells installed at the site must be properly destroyed, per California Water Code and all current record owners of fee title to the site must be notified by the primary or active responsible party of the proposed closure action, prior to issuance of a remedial action completion certificate.

ACEH requests that you address the following technical comments, perform the proposed work, and send us the technical reports requested below. Upon receipt of the requested documents a remedial action completion certificate will be sent to the responsible party.

TECHNICAL COMMENTS

1. **Monitoring Well Destruction** – ACEH is requesting that you contact Alameda County Public Works Agency at (510) 567-6791, obtain the necessary permits, destroy the wells, and electronically upload the monitoring well destruction report to ACEH's FTP server and the State Water Resources Control Board's GeoTracker website within ninety (90) days from the date of this letter (December 15, 2010). Electronic reporting is described in detail below.
2. **Landowner Notification Form** – As you may be aware, an investigation resulting from underground storage tank leaks was performed at the subject property to which you are named as the primary or active responsible party. Pursuant to Section 25297.15 (a), Alameda County Environmental Health (ACEH), the local agency, shall not consider cleanup or site closure proposals from the primary or active responsible party, issue a closure letter, or make a determination that no further action is required with respect to a site upon which there was an unauthorized release of hazardous substances from an underground storage tank subject to this chapter unless all current record owners of fee title to the site of the proposed action have been notified of the proposed action by the primary or active responsible party. ACEH is required to notify the primary or active responsible party of their

Mr. Carmel
RO0002565
September 16, 2010, Page 2

requirement to certify in writing to the local agency that the notification requirement in the above-mentioned regulation has been satisfied and to provide the local agency with a complete mailing list of all record fee title owners.

To satisfy the above-mentioned requirement, please complete the enclosed "List of Landowners Form," and mail it back to ACEH within thirty (30) days from the date of this letter. Also your comments, if any, must be considered prior to the proposed cleanup or closure. Please respond within 30 days from the date of this letter for your comments to be considered.

Upon our receipt of the completed Landowner Notification Form and report of well destruction, (which includes confirmation of investigation derived waste disposal) this office will issue you the remedial action completion certificate

NOTIFICATION OF FIELDWORK ACTIVITIES

Please schedule and complete the fieldwork activities by the date specified below and provide ACEH with at least three (3) business days notification prior to conducting the fieldwork.

TECHNICAL REPORT REQUEST

Please submit technical reports to ACEH (Attention: Paresh Khatri), according to the following schedule:

- **October 18, 2010** – Completed Landowner Notification Form
- **December 15, 2010** – Monitoring Well Destruction Report

Thank you for your cooperation. Should you have any questions or concerns regarding this correspondence or your case, please call me at (510) 777-2478 or send me an electronic mail message at paresh.khatri@acgov.org.

Sincerely,

Paresh C. Khatri
Hazardous Materials Specialist

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

cc: Tom Venus, Broadbent & Associates, Inc., 1324 Mangrove Ave., Suite. 212, Chico, CA 95926 (Sent via E-mail to: tvenue@broadbentinc.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)
Paresh Khatri, ACEH (Sent via E-mail to: paresh.khatri@acgov.org)
GeoTracker
File

LIST OF LANDOWNERS FORM

County of Alameda
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

CERTIFIED LIST OF RECORD FEE TITLE OWNERS FOR:

Site Name: ARCO #0276
Address: 10600 Macarthur Boulevard
City, State, Zip: Oakland, CA 94605
Record ID #: RO00002565 APN: 47-5594-21-1

Please fill out item 1 if there are multiple site landowners (attach an extra sheet if necessary). If you are the sole site landowner, skip item 1 and fill out item 2.

1. In accordance with Section 25297.15(a) of Chapter 6.7 of the California Health & Safety Code, I, CHARLES CARMEL (name of primary responsible party), certify that the following is a complete list of current record fee title owners and their mailing addresses for the above site:

Name: BP PRODUCTS NORTH AMERICA
Address: 4 CENTERPOINTE DR. LPR-4-443
City, State, Zip: LA PALM BEACH, CA 90623
E-mail Address: carmecp@bp.com

Name:
Address:
City, State, Zip:
E-mail Address:

Name:
Address:
City, State, Zip:
E-mail Address:

2. In accordance with Section 25297.15(a) of Chapter 6.7 of the California Health & Safety Code, I CHARLES CARMEL, certify that I am the sole landowner for the above site.

Sincerely,

Signature of Primary Responsible Party: [Handwritten Signature]
Printed Name: CHARLES CARMEL
Date: 10/17/10
E-mail Address: carmecp@bp.com

Responsible Party(ies) Legal Requirements/Obligations

REPORT REQUESTS

These reports are being requested 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 in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and [other](#) data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "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." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) 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 registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional 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.

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	REVISION DATE: July 20, 2010
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection.**
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:
RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

- 1) Obtain User Name and Password:
 - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
 - i) Send an e-mail to dehloptoxic@acgov.org
 - b) In the subject line of your request, be sure to include "**ftp PASSWORD REQUEST**" and in the body of your request, include the **Contact Information, Site Addresses, and the Case Numbers (RO# available in Geotracker) you will be posting for.**
- 2) Upload Files to the ftp Site
 - a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
 - (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site.
 - b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
 - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
 - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
 - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
 - a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
 - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
 - c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
 - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

APPENDIX B

WELL DESTRUCTION 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: 12/07/2010 By jamesy

Permit Numbers: W2010-0978 to W2010-0988
Permits Valid from 03/22/2011 to 03/25/2011

Application Id: 1291399712240
Site Location: 10600 MacArthur Blvd, Oakland, CA
Project Start Date: 12/27/2010
Assigned Inspector: Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org
Extension Start Date: 03/22/2011
Extension Count: 3

City of Project Site: Oakland
Completion Date: 01/28/2011
Extension End Date: 03/25/2011
Extended By: vickyh1

Applicant: Broadbent & Associates - Tom Sparrowe
875 Cotting Ln, Ste G, Vacaville, CA 95688
Property Owner: Chuck Carmel BP Products north America
4 Centerpointe Dr, La Palma, CA 90623
Client: ** same as Property Owner **

Phone: 707-455-7290
Phone: 925-275-3807

Total Due: \$4235.00
Total Amount Paid: \$4235.00
Payer Name : Broadbent & Associates Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Destruction-Monitoring - 10 Wells
Driller: Gregg - Lic #: 485165 - Method: press

Work Total: \$3970.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2010-0978	12/07/2010	03/27/2011	MW1	8.00 in.	2.00 in.	17.00 ft	39.00 ft	2S/3W23H1	89148	205597
W2010-0979	12/07/2010	03/27/2011	MW2	10.00 in.	4.00 in.	14.00 ft	25.50 ft	2S/3W23H2	89148	312897
W2010-0980	12/07/2010	03/27/2011	MW3	8.00 in.	2.00 in.	18.00 ft	40.00 ft	2S/3W23H3	89148	205593
W2010-0981	12/07/2010	03/27/2011	MW4	8.00 in.	2.00 in.	28.00 ft	50.00 ft	2S/3W23H4	89148	205596
W2010-0982	12/07/2010	03/27/2011	MW5	10.00 in.	4.00 in.	31.00 ft	47.50 ft	2S/3W23H5	89148	205600
W2010-0983	12/07/2010	03/27/2011	MW6	8.00 in.	2.00 in.	35.00 ft	56.00 ft	2S/3W23H6	92071	403526
W2010-0984	12/07/2010	03/27/2011	MW7	8.00 in.	2.00 in.	15.00 ft	37.50 ft	2S/3W23H7	92071	403528
W2010-0985	12/07/2010	03/27/2011	MW8	10.00 in.	4.00 in.	27.00 ft	49.00 ft	2S/3W24E1	92071	403506
W2010-0986	12/07/2010	03/27/2011	RW1	0.00 in.	6.00 in.	35.00 ft	51.00 ft	2S/3W24E1	91612	421686
W2010-0987	12/07/2010	03/27/2011	WGR3	12.00 in.	2.00 in.	21.00 ft	26.92 ft	2S/3W24E	No Records	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

Alameda County Public Works Agency - Water Resources Well Permit

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.

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. Including 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.

Remediation Well Destruction-Extraction - 7 Wells

Driller: Gregg - Lic #: 485165 - Method: press

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 #
W2010-0988	12/07/2010	03/27/2011	VW1	12.00 in.	4.00 in.	6.50 ft	17.50 ft	2S/3W2413	92071	403509
W2010-	12/07/2010	03/27/2011	VW2	12.00 in.	4.00 in.	6.00 ft	18.00 ft	2S/3W2414	92071	403508

Alameda County Public Works Agency - Water Resources Well Permit

0988											
W2010-0988	12/07/2010	03/27/2011	VW3	12.00 in.	4.00 in.	7.00 ft	18.00 ft	2S/3W2415	92071	403507	
W2010-0988	12/07/2010	03/27/2011	VW4	12.00 in.	4.00 in.	8.00 ft	19.00 ft	2S/3W2416	92071	403504	
W2010-0988	12/07/2010	03/27/2011	VW5	12.00 in.	4.00 in.	6.50 ft	18.00 ft	2S/3W2417	92071	403505	
W2010-0988	12/07/2010	03/27/2011	VW6	12.00 in.	4.00 in.	6.00 ft	18.00 ft	2S/3W2418	92071	403529	
W2010-0988	12/07/2010	03/27/2011	VW7	12.00 in.	4.00 in.	6.50 ft	18.00 ft	2S/3W2419	92071	403530	

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 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. Including permit number and site map.
 3. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
 4. 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.
 5. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 6. 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.
 7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a 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.
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