

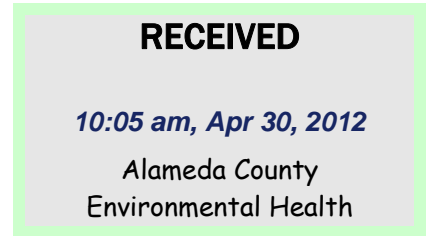
# Atlantic Richfield Company

**Shannon Couch**  
Project Manager

PO Box 1257  
San Ramon, CA 94583  
Phone: (925) 275-3804  
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E-Mail: shannon.couch@bp.com

April 13, 2012

Re: First Quarter 2012 Status Report  
Atlantic Richfield Company Station #4977  
2770 Castro Valley Boulevard, Castro Valley, California  
ACEH Case #RO0002436



"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,

A handwritten signature in black ink, consisting of a large, stylized 'S' followed by a horizontal line that ends in a small loop.

Shannon Couch  
Project Manager

Attachment



**FIRST QUARTER 2012 STATUS REPORT**  
**Atlantic Richfield Company Station #4977**  
**2770 Castro Valley Blvd.**  
**Castro Valley, Alameda County, California**

**Prepared for:**

Ms. Shannon Couch  
Atlantic Richfield Company  
P.O. Box 1257  
San Ramon, CA 94583

**Prepared by:**

Broadbent & Associates, Inc.  
1324 Mangrove Avenue, Suite 212  
Chico, California 95926  
(530) 566-1400

April 13, 2012

No. 06-82-625



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**Creating Solutions. Building Trust.**

April 13, 2012

Project No. 06-82-625

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

Attn.: Ms. Shannon Couch

Re: First Quarter 2012 Status Report, Atlantic Richfield Company Station #4977  
2770 Castro Valley Blvd, Castro Valley, California; ACEH Case #RO0002436

Dear Ms. Couch:

Provided herein is the *First Quarter 2012 Status Report* for Atlantic Richfield Company (a BP affiliated company) Station #4977 located at 2770 Castro Valley Blvd., Castro Valley, Alameda County, California (Site). This report presents a summary of current developments regarding the Site through the First Quarter 2012.

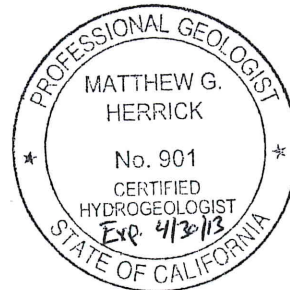
Should you have questions regarding this submission, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

BROADBENT & ASSOCIATES, INC.

Jason Duda  
Project Scientist

Matthew G. Herrick, P.G., C.HG.  
Senior Hydrogeologist



Enclosures

cc: Ms. Dilan Roe, ACEH (Submitted via ACEH ftp Site)  
GeoTracker

**FIRST QUARTER 2012  
STATUS REPORT  
STATION #4977, CASTRO VALLEY, CA**

Broadbent & Associates, Inc. (Broadbent) is pleased to present this *First Quarter 2012 Status Report* on behalf of Atlantic Richfield Company (a BP affiliated company) for Station #4977 located in Castro Valley, Alameda County, California. Reporting is being submitted to the Alameda County Environmental Health Services Agency (ACEH) consistent with their requirements under the legal authority of the California Regional Water Quality Control Board as codified by California Code of Regulations Title 23, Section 2652(d). A summary description of current developments regarding the site is provided below.

Facility Name / Address:	<u>Station #4977 / 2770 Castro Valley Boulevard, Castro Valley, CA</u>
Client Project Manager / Title:	<u>Ms. Shannon Couch / Project Manager</u>
Broadbent Contact:	<u>Jason Duda, (530) 566-1400</u>
Broadbent Project No.:	<u>06-82-625</u>
Primary Regulatory Agency / ID No.:	<u>ACEH, Case #RO0002436</u>
Current phase of project:	<u>Monitoring and On-site Assessment</u>
List of Acronyms / Abbreviations:	<u>See end of report text for list of acronyms/abbreviations used in report.</u>

**WORK PERFORMED THIS QUARTER (First Quarter 2012):**

1. Prepared and submitted the *On-Site Soil and Groundwater Investigation Report* (Broadbent, 1/16/2012).
2. Prepared and submitted the *Fourth Quarter 2011 Semi-Annual Groundwater Monitoring Report* (Broadbent, 1/27/2012).
3. No environmental work was conducted at the Site during First Quarter 2012.

**WORK PROPOSED FOR NEXT QUARTER (Second Quarter 2012):**

1. Prepared and submitted this *First Quarter 2012 Status Report* (contained herein).
2. Conduct semi-annual groundwater monitoring/sampling for Second Quarter 2012.

**GROUNDWATER MONITORING PLAN SUMMARY:**

Groundwater level gauging:	<u>MW-1 through MW-3</u>	(2Q & 4Q)
Groundwater sample collection:	<u>MW-1 through MW-3</u>	(2Q & 4Q)
Biodegradation indicator parameter monitoring:	<u>NA</u>	

**DISCUSSION:**

No environmental field activities were conducted at the Site during First Quarter 2012. For reference, a Site Location Map is provided as Drawing 1. Provided as Drawing 2 is the Groundwater Elevation Contour and Analytical Summary Map from the *Fourth Quarter 2011 Semi-Annual Groundwater Monitoring Report* (Broadbent, 1/27/2012) for groundwater monitoring/sampling conducted on December 16, 2011. The next groundwater monitoring/sampling event is scheduled to be conducted during Second Quarter 2012.

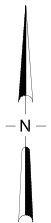
The *On-Site Soil and Groundwater Investigation Report* dated January 16, 2012 summarized that the lateral and vertical extent of petroleum hydrocarbon impacted soil has been adequately characterized. Recommendations within the report included preparation of a Conceptual Site Model in order to determine if case closure is appropriate for the Site.

**ATTACHMENTS:**

- Drawing 1      Site Location Map, Station #4977, 2770 Castro Valley Boulevard, Castro Valley, California
- Drawing 2.      Groundwater Elevation Contour and Analytical Summary Map, December 16, 2011, Station #4977, 2770 Castro Valley Boulevard, Castro Valley, California

**LIST OF COMMONLY USED ACCRONYMS/ABBREVIATIONS:**

ACEH:	Alameda County Environmental Health	gal:	Gallons
BTEX:	Benzene, Toluene, Ethylbenzene, Total Xylenes	GRO:	Gasoline-Range Organics
1,2-DCA:	1,2-Dichloroethane	LNAPL:	Light Non-Aqueous Phase Liquid
DIPE:	Di-Isopropyl Ether	MTBE:	Methyl Tertiary Butyl Ether
DO:	Dissolved Oxygen	NO <sub>3</sub> :	Nitrate as Nitrogen
DRO:	Diesel-Range Organics	ppb:	parts per billion
EDB:	1,2-Dibromomethane	SO <sub>4</sub> :	Sulfate
ft/ft:	feet per foot		



APPROXIMATE SCALE (mi)

IMAGE SOURCE: DELORME

