

# Atlantic Richfield Company

**Shannon Couch**  
Operations Project Manager

**RECEIVED**

By Alameda County Environmental Health at 3:43 pm, Jul 29, 2013

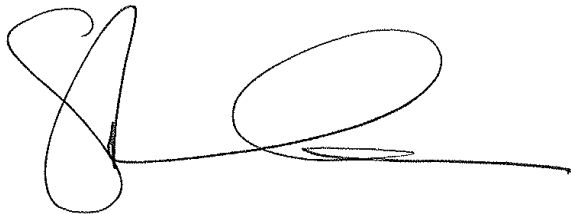
PO Box 1257  
San Ramon, CA 94583  
Phone: (925) 275-3804  
Fax: (925) 275-3815  
E-Mail: shannon.couch@bp.com

July 26, 2013

Re: Second Quarter 2013 Status Report  
Atlantic Richfield Company Station #2169  
889 West Grand Avenue, Oakland, California  
ACEH Case #RO0000072

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



**SECOND QUARTER 2013 STATUS REPORT  
Atlantic Richfield Company Station #2169  
889 West Grand Avenue  
Oakland, Alameda County, California**

**Prepared for:**

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

**Prepared by:**

Broadbent & Associates, Inc.  
1370 Ridgewood Drive, Suite 5  
Chico, California 95973  
(530) 566-1400

July 26, 2013

No. 06-88-621



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broadbentinc.com

***Creating Solutions. Building Trust.***

July 26, 2013

Project No. 06-88-621

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

Attn.: Ms. Shannon Couch

Re: Second Quarter 2013 Status Report, Atlantic Richfield Company Station #2169,  
889 West Grand Avenue, Oakland, California; ACEH Case #RO0000072

Dear Ms. Couch:

Attached is the Second Quarter 2013 Status Report for Atlantic Richfield Company Station #2169 located at 889 West Grand Avenue, Oakland, California. This report presents a summary of current developments at the Site through the Second Quarter of 2013.

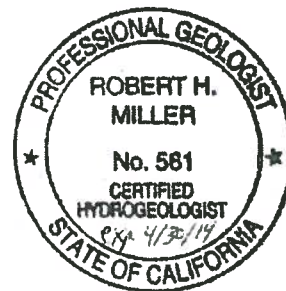
Should you have questions regarding this submittal, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

BROADBENT & ASSOCIATES, INC.

Jason Duda  
Project Scientist

Robert H. Miller, P.G., C.HG  
Principal Hydrogeologist



Enclosures

cc: Ms. Dilan Roe, PE, Alameda County Environmental Health (submitted via ACEH ftp site)  
Electronic copy uploaded to GeoTracker

**SECOND QUARTER 2013  
STATUS REPORT  
ARCO STATION #2169, OAKLAND, CALIFORNIA**

Broadbent & Associates, Inc. (Broadbent) is pleased to present this *Second Quarter 2013 Status Report* on behalf of Atlantic Richfield Company (a BP affiliated company) for ARCO Station #2169 located in Oakland, Alameda County, California. Quarterly 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:	ARCO Station #2169 / 889 West Grand Avenue, Oakland
Client Project Manager / Title:	Ms. Shannon Couch / RM Operations Project Manager
Broadbent Contact:	Jason Duda / (530) 566-1400
Broadbent Project No.:	06-88-621
Primary Regulatory Agency / ID No.:	ACEH, Case #RO0000072
Current phase of project:	Monitoring, Site Evaluation
List of Acronyms / Abbreviations:	See end of report text for list of acronyms/abbreviations used in report.

**WORK PERFORMED THIS QUARTER (Second Quarter 2013):**

1. Submitted *First Quarter 2013 Monitoring Report* (Broadbent, 4/30/2013).
2. No environmental field work was conducted at Station #2169 during the Second Quarter of 2013.

**WORK SCHEDULED FOR NEXT QUARTER (Third Quarter 2013):**

1. Submit *Second Quarter 2013 Status Report* (contained herein).
2. Conduct groundwater monitoring/sampling for Third Quarter 2013.
3. Prepare and submit Conceptual Site Model report.

**DISCUSSION:**

No environmental field activities took place at the Site during Second Quarter 2013. 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 *First Quarter 2013 Monitoring Report* (Broadbent, 4/30/2013). The next groundwater monitoring and sampling event is scheduled to be conducted during the Third Quarter 2013. A Conceptual Site Model is anticipated to be completed during the Third Quarter 2013.

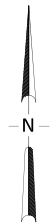
**ATTACHMENTS:**

- Drawing 1: Site Location Map  
Drawing 2: Groundwater Elevation Contour and Analytical Summary Map, February 26, 2013

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

ACEH:	Alameda County Environmental Health	ft/ft:	feet per foot
ACPWA:	Alameda County Public Works Agency	gal:	Gallons
APN:	Assessor's Parcel Number	GRO:	Gasoline-Range Organics
BTEX:	Benzene, Toluene, Ethylbenzene, Total Xylenes	LNAPL:	Light Non-Aqueous Phase Liquid
1,2-DCA:	1,2-Dichloroethane	MTBE:	Methyl Tertiary Butyl Ether
DIPE:	Di-Isopropyl Ether	NO <sub>3</sub> :	Nitrate as Nitrogen
DO:	Dissolved Oxygen	ppb:	parts per billion
DRO:	Diesel-Range Organics	SO <sub>4</sub> :	Sulfate
EDB:	1,2-Dibromomethane	TAME:	Tert-Amyl Methyl Ether
Eh:	Oxidation Reduction Potential	TBA:	Tertiary Butyl Ether
EPA:	Environmental Protection Agency	TOC:	Top of Casing
ETBE:	Ethyl Tertiary Butyl Ether	ROW:	Right of way
Fe <sup>2+</sup> :	Ferrous Iron	µg/L:	micrograms per liter

## **DRAWINGS**



APPROXIMATE SCALE (mi)

IMAGE SOURCE: DELORME



1324 Mangrove Ave., Suite 212  
Chico, California 95926

Project No.: 06-88-621 Date: 4/17/2013

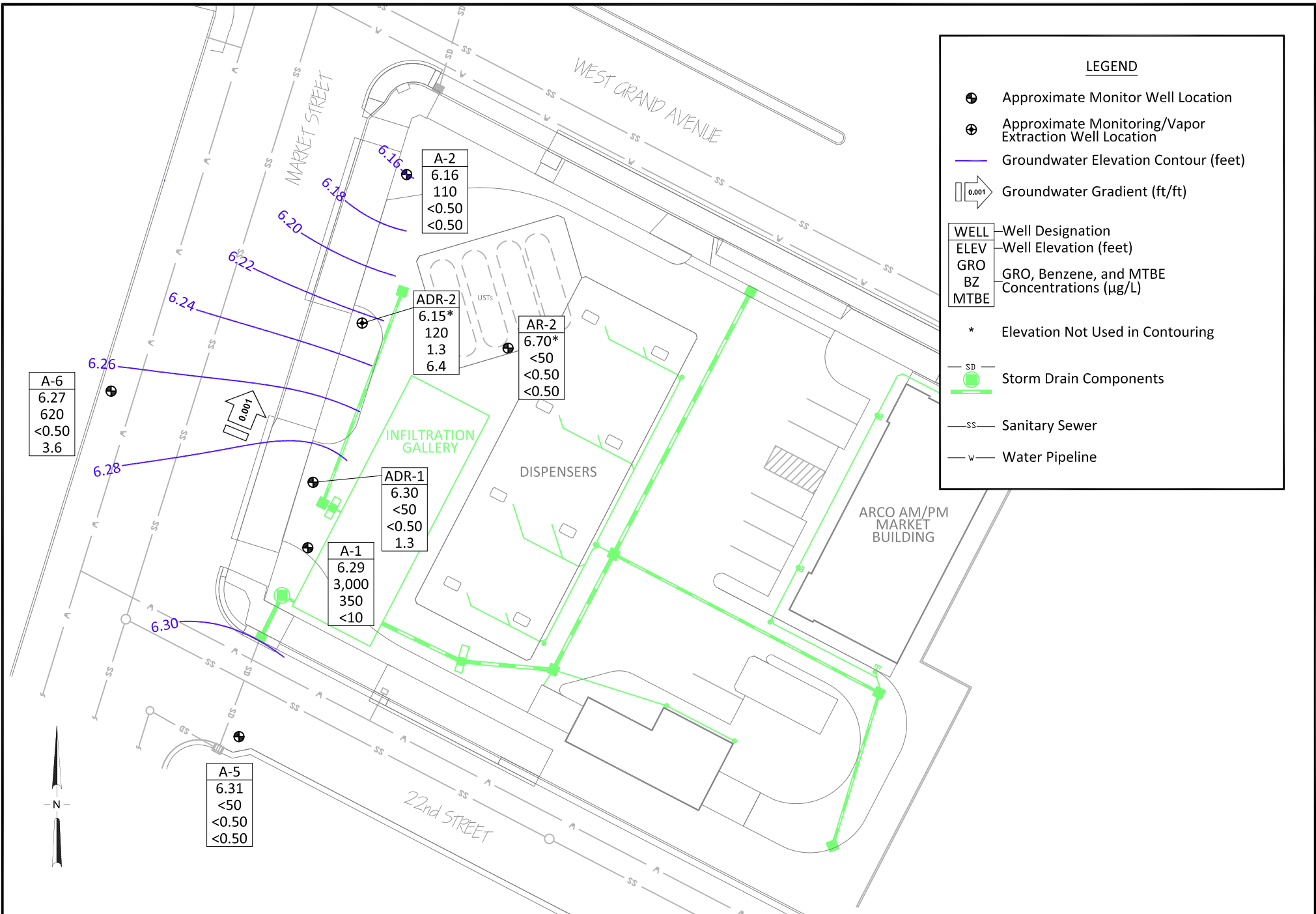
ARCO Station #2169  
889 West Grand Avenue  
Oakland, California

Site Location Map

Drawing

1





**BROADBENT**  
 1370 Ridgewood Dr., Suite 5  
 Chico, California 95973  
 Project No.: 06-88-621 Date: 4/17/2013

ARCO Station #2169  
 889 West Grand Avenue  
 Oakland, California

Groundwater Elevation Contours and  
 Analytical Summary Map  
 February 26, 2013

Drawing

2