

# Atlantic Richfield Company

**Shannon Couch**  
Operations Project Manager

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**2:48 pm, Apr 11, 2012**

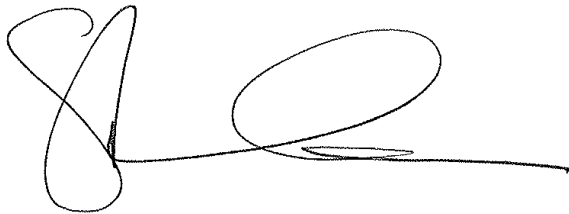
Alameda County  
Environmental Health

April 5, 2012

Re: First Quarter 2012 Status Report  
Atlantic Richfield Company Station #2162  
15135 Hesperian Boulevard, San Leandro, California  
ACEH Case #RO0000190

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



**BROADBENT**

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broadbentinc.com

*Creating Solutions. Building Trust.*

April 5, 2012

Project No. 06-88-620

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

Attn.: Ms. Shannon Couch

Re: First Quarter 2012 Status Report, Atlantic Richfield Company Station #2162,  
15135 Hesperian Boulevard, San Leandro, California; ACEH Case #RO0000190

Dear Ms. Couch:

Attached is the First Quarter 2012 Status Report for Atlantic Richfield Company Station #608 located at 15135 Hesperian Boulevard in San Leandro, California. Should you have questions regarding this submittal, please do not hesitate to contact us at (530) 566-1400.

Sincerely,  
BROADBENT & ASSOCIATES, INC.

Thomas A. Venus, P.E.  
Senior Engineer



Enclosures

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

**FIRST QUARTER 2012  
STATUS REPORT  
ARCO STATION #2162, SAN LEANDRO, CALIFORNIA**

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 ARCO Station #2162 located in San Leandro, 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:	<u>ARCO Station #2162 / 15135 Hesperian Boulevard, San Leandro</u>
Client Project Manager / Title:	<u>Ms. Shannon Couch / Remediation Management Project Manager</u>
Broadbent Contact:	<u>Mr. Tom Venus, PE / (530) 566-1400</u>
Broadbent Project No.:	<u>06-88-620</u>
Primary Regulatory Agency / ID No.:	<u>ACEH, Case #RO0000190</u>
Current phase of project:	<u>Monitoring/Offsite 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. Submitted *Work Plan for Off-Site Groundwater Investigation* (Broadbent, 1/5/2012)
2. Submitted *Fourth Quarter 2011 Groundwater Monitoring Report* (Broadbent, 1/31/2012).
3. No environmental field work was conducted at ARCO Station #2162 during the First Quarter 2012.

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

1. Submit *First Quarter 2012 Status Report* (contained herein).
2. Conduct downgradient offsite groundwater boring investigation.
3. Conduct groundwater monitoring for Second Quarter 2012.

**DISCUSSION:**

No groundwater monitoring and sampling work activities took place at ARCO Station #2162 during First Quarter 2012. In accordance with the Broadbent *Work Plan for Off-Site Groundwater Investigation* (1/5/2012), an off-site property access agreement has been secured for the adjacent parking lot of the neighboring KFC restaurant located at 15179 Hesperian Boulevard. Broadbent has selected a C-57 licensed contractor for drilling the off-site GeoProbe borings to collect groundwater samples, and is in the process of preparing soil-boring permits with the Alameda County Public Works Agency (ACPWA). To date, BP and Broadbent have not received any comments from ACEH regarding their requested review of the proposed off-site groundwater investigation work plan. For reference, a Site Location Map is provided as Drawing 1, and a sketch showing Proposed GeoProbe Boring Locations is provided as Drawing 2.

**ATTACHMENTS:**

- Drawing 1: Site Location Map  
Drawing 2: Proposed GeoProbe Boring Locations

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

ACEH:	Alameda County Environmental Health	ft/ft:	feet per foot
ACPWA:	Alameda County Public Works Agency	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
Eh:	Oxidation Reduction Potential	TAME:	Tert-Amyl Methyl Ether
EPA:	Environmental Protection Agency	TBA:	Tertiary Butyl Ether
ETBE:	Ethyl Tertiary Butyl Ether	TOC:	Top of Casing
Fe <sup>2+</sup> :	Ferrous Iron	µg/L:	micrograms per liter

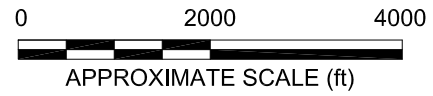
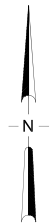
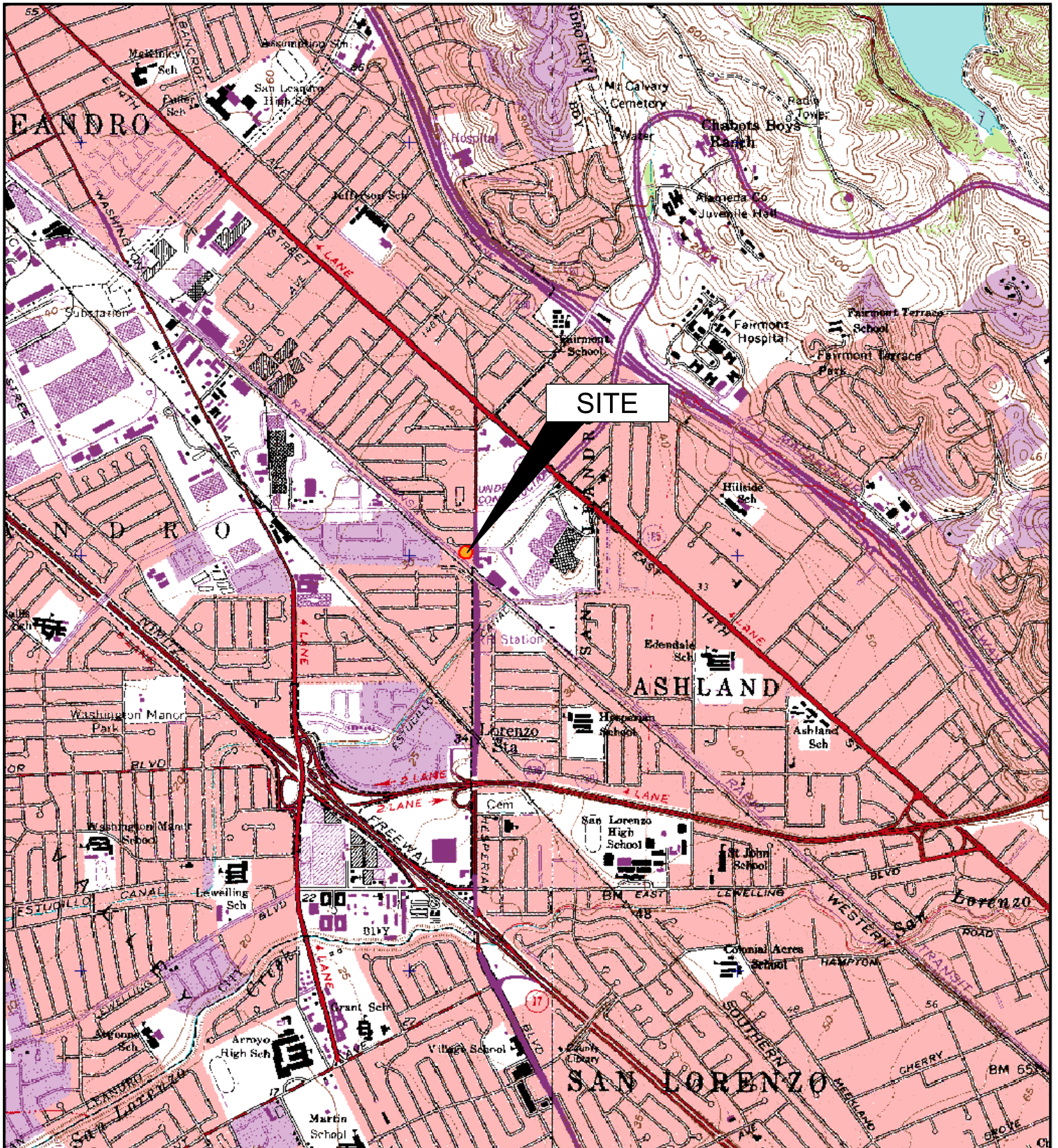


IMAGE SOURCE: USGS

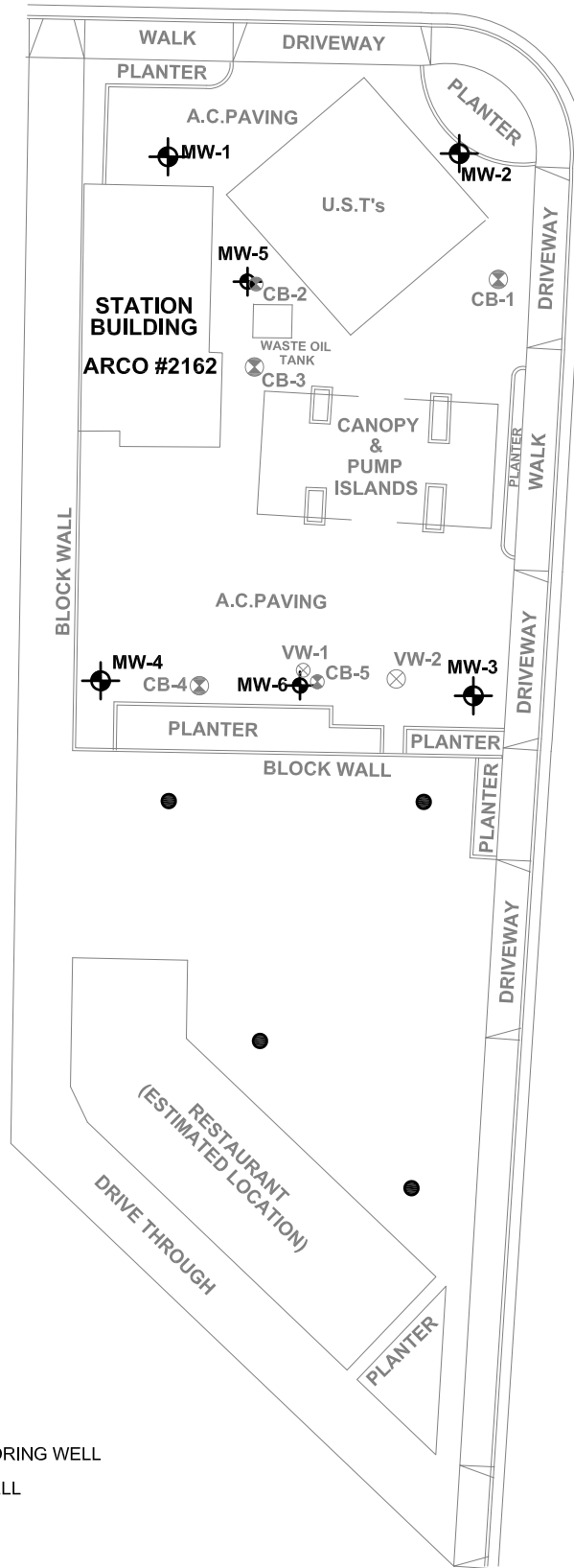
**BROADBENT & ASSOCIATES, INC**  
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL  
1324 Mangrove Ave, Suite 212, Chico, CA 95926  
Project No.: 06-88-620 Date: 07/27/09

Station #2162  
15135 Hesperian Boulevard  
San Leandro, California

Site Location Map





Drawing  
**1**

# RUTH COURT



HESPERIAN BLVD.

## LEGEND

-  GROUNDWATER MONITORING WELL
-  VAPOR EXTRACTION WELL
-  SOIL BORING
-  PROPOSED BORING

NOTE: SITE MAP ADAPTED FROM WOOD RODGERS SURVYING.

