

# Atlantic Richfield Company

**Chuck Carmel**  
Remediation Management Project Manager

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**RECEIVED**

11:44 am, May 02, 2011

Alameda County  
Environmental Health

April 15, 2011

Re: First Quarter 2011 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,



Chuck Carmel  
Remediation Management Project Manager

Attachment:

April 15, 2011

Project No. 06-88-620

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

Attn.: Mr. Chuck Carmel

Re: First Quarter 2011 Status Report, Atlantic Richfield Company Station #2162,  
15135 Hesperian Boulevard, San Leandro, California; ACEH Case #RO0000190

Dear Mr. Carmel:

Attached is the First Quarter 2011 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: Mr. Paresh Khatri, Alameda County Environmental Health (submitted via ACEH ftp site)  
Electronic copy uploaded to GeoTracker

**FIRST QUARTER 2011  
STATUS REPORT  
ARCO STATION #2162, SAN LEANDRO, CALIFORNIA**

Broadbent & Associates, Inc. (BAI) is pleased to present this *First Quarter 2011 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>Mr. Chuck Carmel / Remediation Management Project Manager</u>
BAI Contact:	<u>Mr. Tom Venus, PE / (530) 566-1400</u>
BAI Project No.:	<u>06-88-620</u>
Primary Regulatory Agency / ID No.:	<u>ACEH, Case #RO0000190</u>
Current phase of project:	<u>Monitoring</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 2011):**

1. Submitted *Fourth Quarter 2010 Groundwater Monitoring Report* (BAI, 1/31/2011).
2. No environmental field work was conducted at ARCO Station #2162 during the First Quarter 2011.

**WORK SCHEDULED FOR NEXT QUARTER (Second Quarter 2011):**

1. Submit *First Quarter 2011 Status Report* (contained herein).
2. Conduct groundwater monitoring for Second Quarter 2011.

**DISCUSSION:**

No groundwater monitoring and sampling work activities took place at ARCO Station #2162 during First Quarter 2011. For reference, a Site Location Map is provided as Drawing 1. Provided as Drawing 2 is the Groundwater Elevation Contours and Analytical Summary Map from the *Fourth Quarter 2010 Groundwater Monitoring Report* (BAI, 1/31/2011) for the groundwater monitoring conducted on 19 November 2010.

**ATTACHMENTS:**

- Drawing 1: Site Location Map  
Drawing 2: Groundwater Elevation Contours and Analytical Summary Map, 19 November 2010

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

ACEH:	Alameda County Environmental Health	ft/ft:	feet per foot
BAI:	Broadbent & Associates, Inc.	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

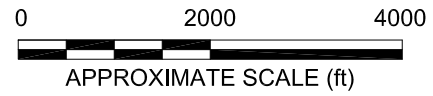
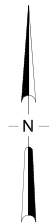
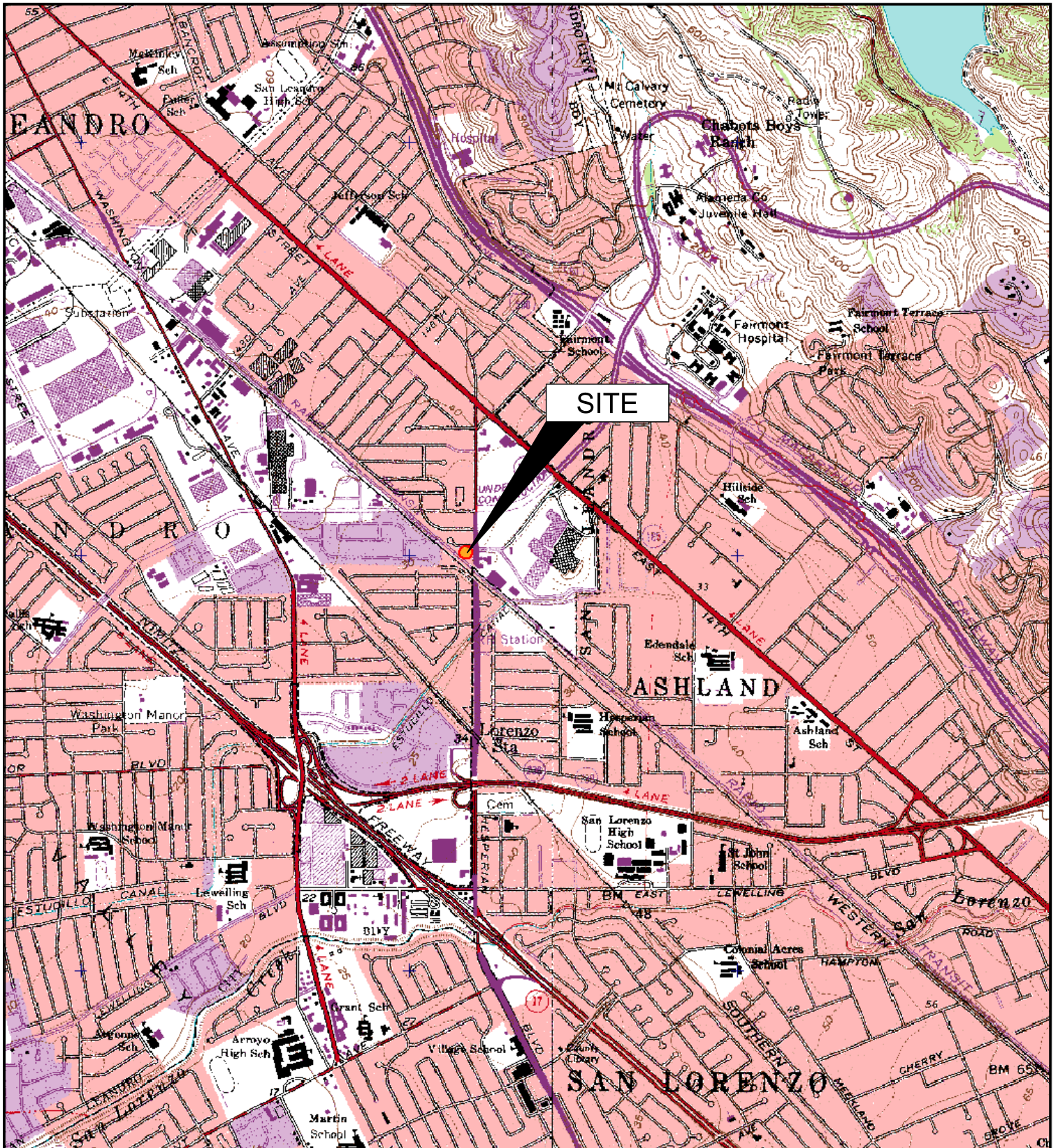


IMAGE SOURCE: USGS

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

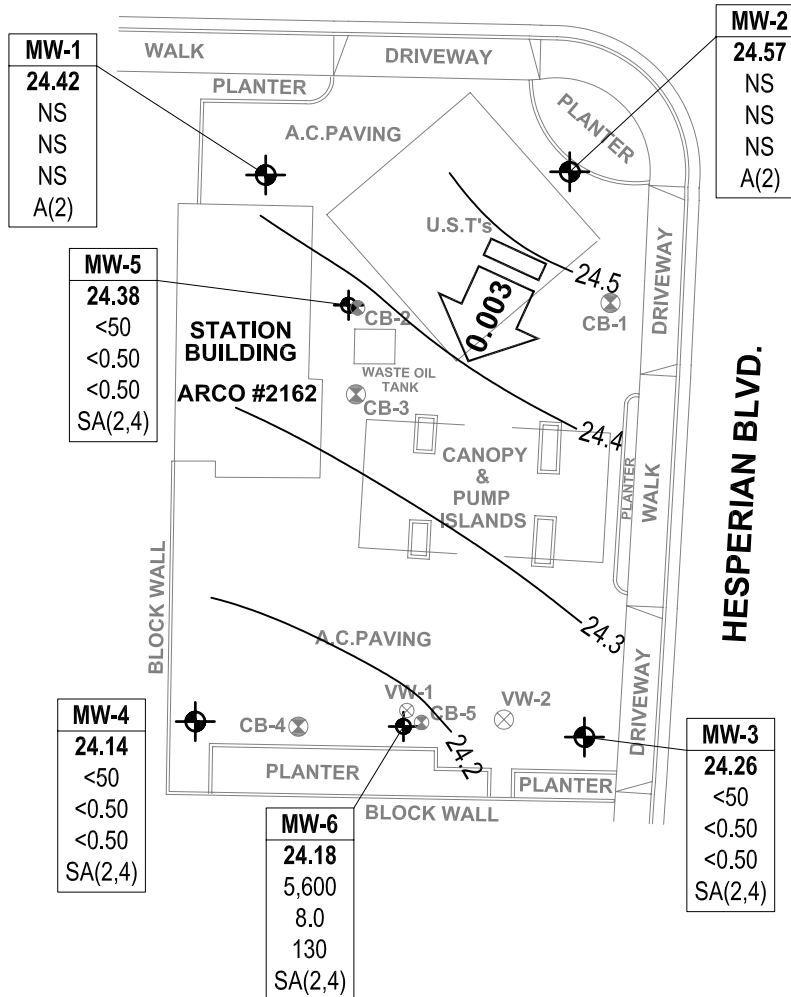
Station #2162  
15135 Hesperian Boulevard  
San Leandro, California

Site Location Map

Drawing

1

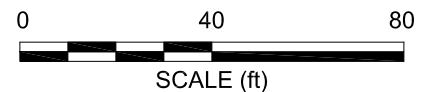
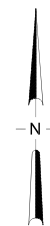
# RUTH COURT



## LEGEND

- GROUNDWATER MONITORING WELL
- VAPOR EXTRACTION WELL
- SOIL BORING
- 24.5 GROUNDWATER ELEVATION CONTOUR (FEET ABOVE DATUM)
- APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)

- | Well    | WELL DESIGNATION                          |
|---------|---|
| ELEV    | GROUNDWATER ELEVATION (FEET)              |
| GRO     | GRO. BENZENE & MTBE CONCENTRATIONS (µg/L) |
| Benzene |   |
| MTBE    |   |
| A/Q/SA  | SAMPLING FREQUENCY                        |
- < NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
  - \* DATA NOT USED FOR CONTOURING
  - SA SAMPLED SEMI-ANNUALLY



NOTE: SITE MAP ADAPTED FROM WOOD RODGERS SURVYING.