

# Atlantic Richfield Company

**Shannon Couch**  
Operations Project Manager

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October 25, 2012

Re: Third Quarter 2012 Status Report  
Atlantic Richfield Company Station #2112  
1260 Park Street, Alameda, California  
ACEH Case #RO0000044

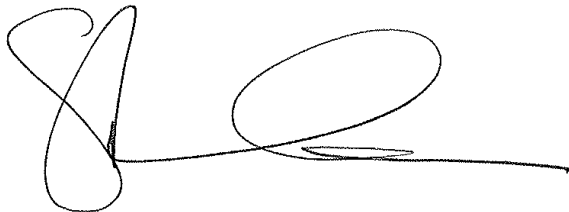
**RECEIVED**

11:40 am, Nov 01, 2012

Alameda County  
Environmental Health

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**

1324 Mangrove Ave., Suite 212, Chico, CA 95926

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broadbentinc.com

*Creating Solutions. Building Trust.*

October 25, 2012

Project No. 06-88-616

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

Attn.: Ms. Shannon Couch

Re: Third Quarter 2012 Status Report, Atlantic Richfield Company Station #2112,  
1260 Park Street, Alameda, California; ACEH Case #RO0000044

Dear Ms. Couch:

Attached is the Third Quarter 2012 Status Report for Atlantic Richfield Company Station #2112 located at 1260 Park Street, Alameda, California. This report presents a summary of current developments at the Site through the Third Quarter of 2012.

Should you have questions regarding this submittal, please do not hesitate to contact me 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)  
Messrs. Martin Vallejo & Joel Guterrez, M & S Mini Mart, Inc., 1260 Park Street,  
Alameda, CA 94501  
Electronic copy uploaded to GeoTracker

**THIRD QUARTER 2012  
STATUS REPORT  
ARCO STATION #2112, ALAMEDA, CALIFORNIA**

Broadbent & Associates, Inc. (Broadbent) is pleased to present this *Third Quarter 2012 Status Report* on behalf of Atlantic Richfield Company (a BP affiliated company) for ARCO Station #2112 located in Alameda, 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 #2112 / 1260 Park Street, Alameda
Client Project Manager / Title:	Ms. Shannon Couch / RM Operations Project Manager
Broadbent Contact:	Mr. Tom Venus, PE / (530) 566-1400
Broadbent Project No.:	06-88-616
Primary Regulatory Agency / ID No.:	ACEH, Case #RO0000044
Current phase of project:	Vapor Intrusion Investigation to obtain Site Closure Approval
List of Acronyms / Abbreviations:	See end of report text for list of acronyms/abbreviations used in report.

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

1. Submitted *Second Quarter 2012 Status Report* (Broadbent, 7/27/2012).
2. Submitted *Vapor Intrusion Assessment Report* (Broadbent, 9/7/2012).

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

1. Submit *Third Quarter 2012 Status Report* (contained herein).
2. No environmental field work is currently scheduled to occur during the Fourth Quarter of 2012.

**DISCUSSION:**

On September 7, 2012 Broadbent submitted to ACEH a *Vapor Intrusion Assessment Report* for Station #2112 following implementation of the scope of work proposed in the *Addendum to Vapor Intrusion Assessment Work Plan* (Broadbent, 5/31/2012). Soil borings for soil gas sampling locations SG-1A, SG-1B, SG-2A, and SG-2B were advanced on June 15, 2012 by WDC Exploration & Wells (WDC) by 3.25-inch diameter hand auger, and soil gas sampling activities were completed on June 28-29, 2012. No conditions were encountered or observed which justify further investigation, characterization or remediation with respect to petroleum hydrocarbons in soil gas at the Site. It is recommended that ACEH proceed with processing the case closure and issue a certificate of remedial action completion. For reference, a Site Location Map is provided as Drawing 1. A Site Plan with Soil-Gas Monitoring Implant Locations is provided as Drawing 2.

**ATTACHMENTS:**

- Drawing 1: Site Location Map  
Drawing 2: Site Map with Soil-Gas Monitoring Implant 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



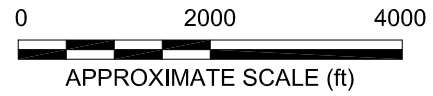
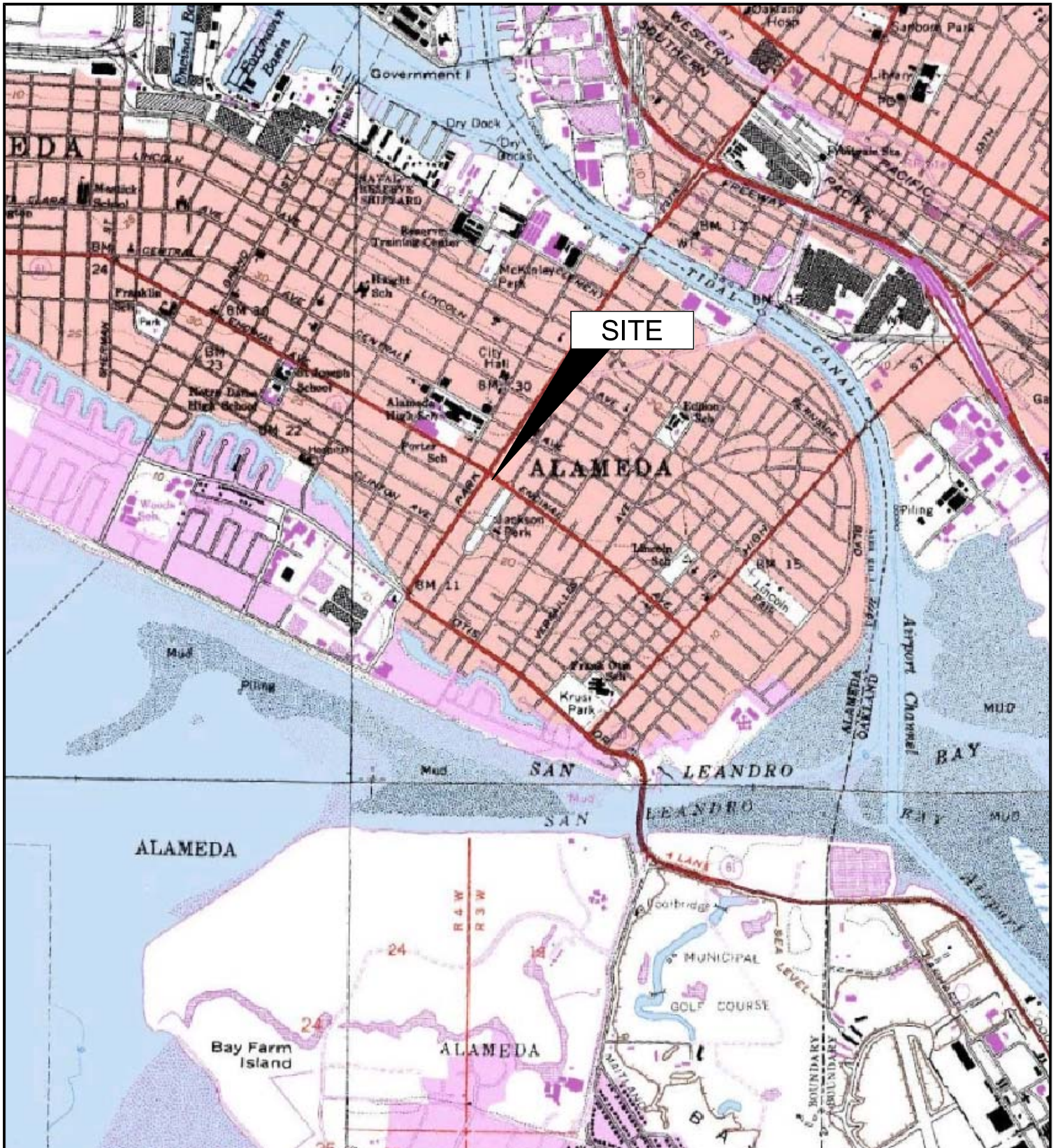
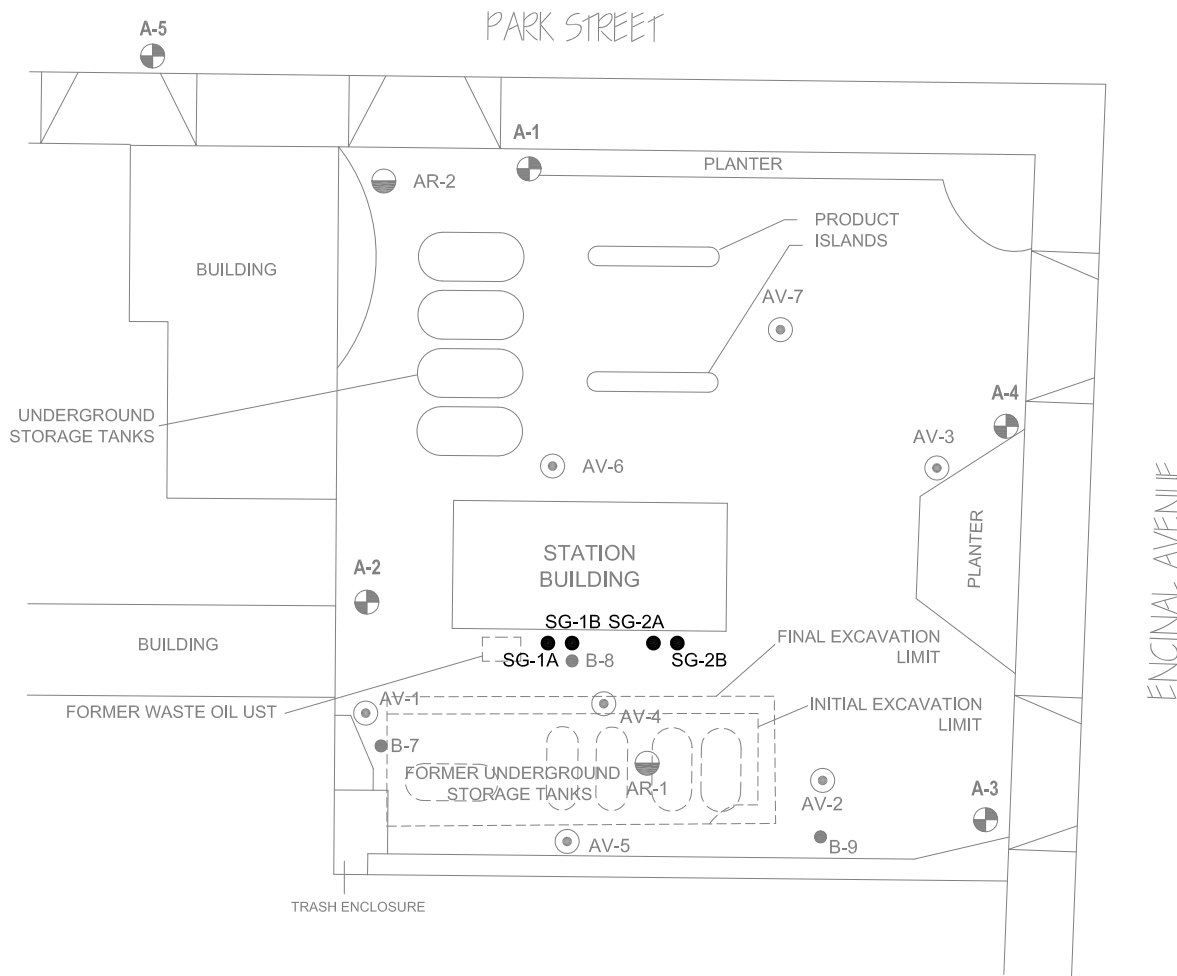
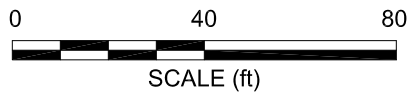


IMAGE SOURCE: USGS



**LEGEND:**

- SG-2B SOIL-GAS MONITORING IMPLANT
- ⊕ A-1 MONITORING WELL LOCATION
- ⊖ AR-1 GROUND-WATER EXTRACTION WELL LOCATION
- ⊙ AV-1 VAPOR EXTRACTION WELL LOCATION
- B-9 RECENT BORING LOCATION
- EXCAVATED AREA



**BROADBENT & ASSOCIATES, INC.**  
 ENGINEERING, WATER RESOURCES & ENVIRONMENTAL  
 1324 Mangrove Ave. Suite 212, Chico, California 95926  
 Project No.: 06-88-616 Date: 7/20/2012

Station #2112  
 1260 Park Street  
 Alameda, California

Site Map with Soil-Gas  
 Monitoring Implant Locations

Drawing

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