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By Alameda County Environmental Health at 2:20 pm, Oct 16, 2013

## Atlantic Richfield Company

**Chuck Carmel**  
Remediation Management Project Manager

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October 15, 2013

Re: Third Quarter 2013 Status Report  
Atlantic Richfield Company Station #2112  
1260 Park Street, Alameda, California  
ACEH Case #RO0000044

"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



**BROADBENT**

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broadbentinc.com

*Creating Solutions. Building Trust.*

October 15, 2013

Project No. 06-88-616

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

Attn.: Mr. Chuck Carmel

Re: Third Quarter 2013 Status Report, Atlantic Richfield Company Station #2112,  
1260 Park Street, Alameda, California; ACEH Case #RO0000044

Dear Mr. Carmel:

Attached is the Third Quarter 2013 Status Report for Atlantic Richfield Company Station #2112 located 1260 Park Street, Alameda, California. This report presents a summary of current developments at the Site through the Third Quarter of 2013.

Should you have questions regarding this submittal, please do not hesitate to contact me at (707) 455-7290.

Sincerely,

BROADBENT & ASSOCIATES, INC.

Kristene Tidwell, P.G., C.HG  
Senior Geologist



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 2013  
STATUS REPORT  
ARCO STATION #2112, ALAMEDA, CALIFORNIA**

Broadbent & Associates, Inc. (Broadbent) is pleased to present this *Third Quarter 2013 Status Report* on behalf of Atlantic Richfield Company (a BP affiliated company) for ARCO Station No. 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 No. 2112 / 1260 Park Street, Alameda
Client Project Manager / Title:	Mr. Chuck Carmel / RM Operations Project Manager
Broadbent Contact:	Ms. Kristene Tidwell / (707) 455-7290
Broadbent Project No.:	06-88-616
Primary Regulatory Agency / ID No.:	ACEH, Case #RO0000044
Current phase of project:	Closure Evaluation
List of Acronyms / Abbreviations:	See end of report text for list of acronyms/abbreviations used in report.

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

1. Submitted *Second Quarter 2013 Status Report* on July 9, 2013.
2. Attended a meeting with the ACEH to discuss the *Conceptual Site Model and Case Closure Request* submitted June 13, 2013
3. No environmental field work was conducted at Station No. 2112 during the Second Quarter 2013.

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

1. Submit *Third Quarter 2013 Status Report* (contained herein).
2. Perform additional sampling and evaluation activities as recommended in the ACEH meeting noted above.
3. Prepare and submit an addendum to June 13, 2013 *Conceptual Site Model and Case Closure Request*.
4. Wells will be decommissioned after a No Further Action letter is received from the ACEH.

**DISCUSSION:**

Broadbent submitted a Site Conceptual Model and Case Closure Request during Second Quarter 2013. On September 11, 2013 Broadbent, BP and the ACEH attended a meeting to discuss the potential closure of this case. As a result, some additional Site evaluation and testing was agreed to by Broadbent and BP in order to obtain site closure. An addendum to the June 13, 2013 *Conceptual Site Model and Case Closure Request* will be submitted during the Fourth Quarter 2013.

**ATTACHMENTS:**

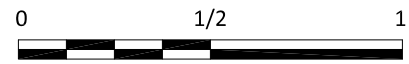
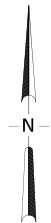
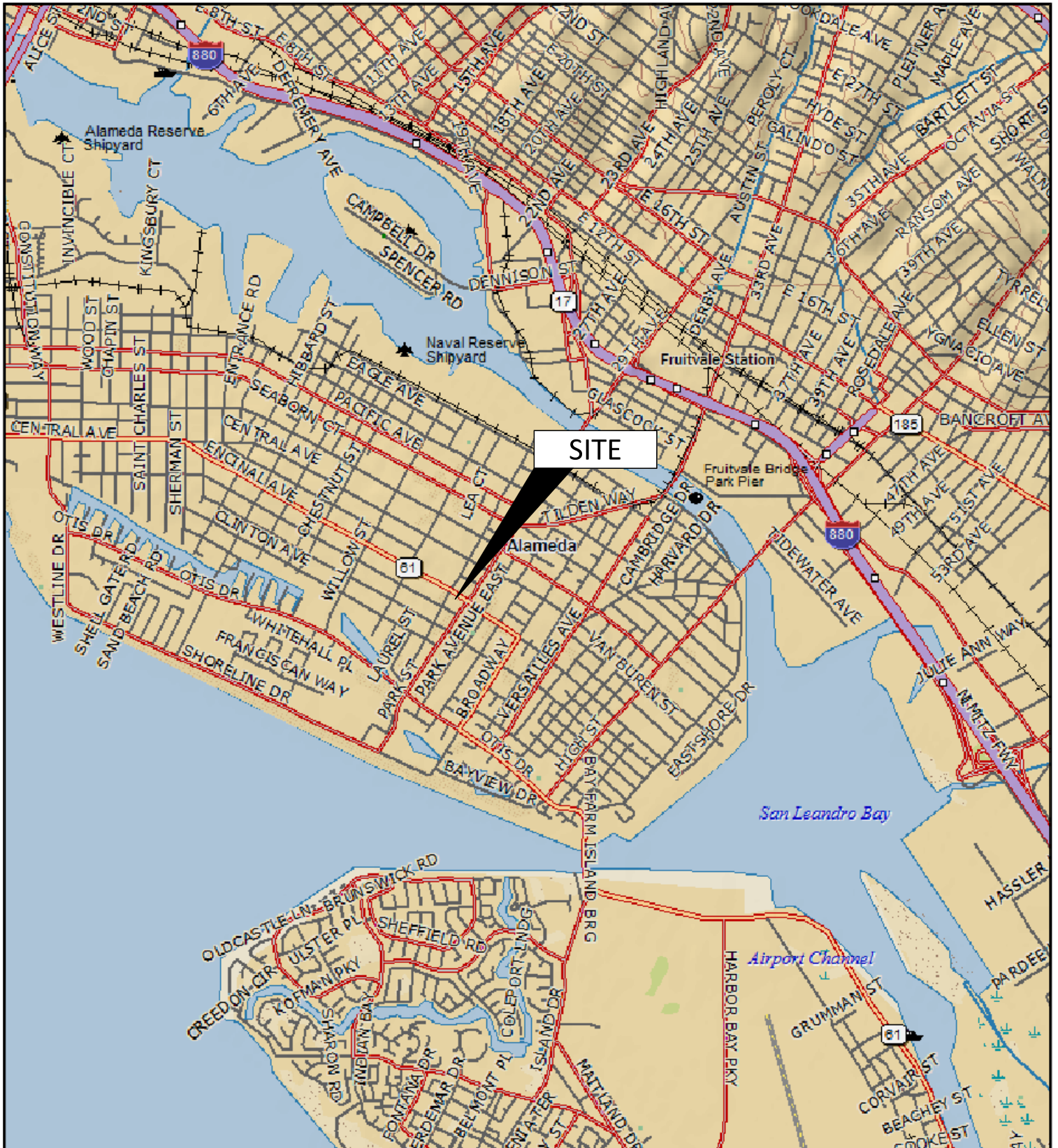
Drawing 1: Site Location Map

**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  
DIPE: Di-Isopropyl Ether  
DO: Dissolved Oxygen  
DRO: Diesel-Range Organics  
EDB: 1,2-Dibromomethane  
Eh: Oxidation Reduction Potential  
EPA: Environmental Protection Agency  
ETBE: Ethyl Tertiary Butyl Ether  
Fe<sup>2+</sup>: Ferrous Iron

LNAPL: Light Non-Aqueous Phase Liquid  
MTBE: Methyl Tertiary Butyl Ether  
NO<sub>3</sub>: Nitrate as Nitrogen  
ppb: parts per billion  
SO<sub>4</sub>: Sulfate  
TAME: Tert-Amyl Methyl Ether  
TBA: Tertiary Butyl Ether  
TOC: Top of Casing  
µg/L: micrograms per liter



APPROXIMATE SCALE (mi)

IMAGE SOURCE: USGS