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By Alameda County Environmental Health at 9:48 am, Jul 19, 2013

## Atlantic Richfield Company

**Shannon Couch**  
Operations Project Manager

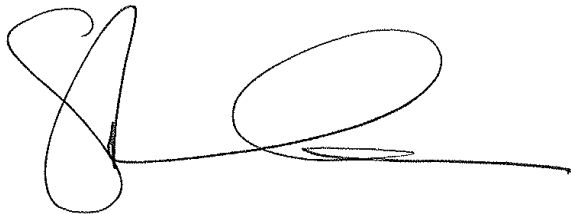
PO Box 1257  
San Ramon, CA 94583  
Phone: (925) 275-3804  
Fax: (925) 275-3815  
E-Mail: shannon.couch@bp.com

July 9, 2012

Re: Second Quarter 2013 Status Report  
Former Richfield Oil Company Station #402  
1450 Fruitvale Avenue, Oakland, California  
ACEH Case #RO0000307

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,

A handwritten signature in black ink, consisting of a large, stylized 'S' followed by a horizontal line that ends in a small loop.

Shannon Couch  
Operations Project Manager

Attachment



875 Cotting Ln., Suite G, Vacaville, CA 95688

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broadbentinc.com

*Creating Solutions. Building Trust.*

July 9, 2013

Project No. 08-88-602

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

Attn.: Ms. Shannon Couch

Re: Second Quarter 2013 Status Report, Former Richfield Oil Company Station #402,  
1450 Fruitvale Avenue, Oakland, California; ACEH Case #RO0000307

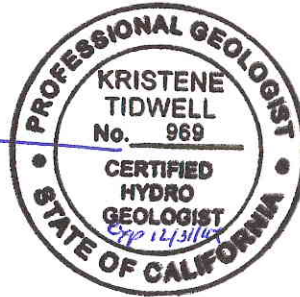
Dear Ms. Couch:

Attached is the Second Quarter 2013 Status Report for Former Richfield Oil Company Station #402 located at 1450 Fruitvale 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 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)  
Mr. Bill Phua, Fruitvale-Farnum Associates, LLC, 638 Webster St. #300, Oakland, CA 94607  
Mr. Hugh K. Phares, III, Attorney at Law, 911 Paru St, Alameda, CA 94501-4033  
Electronic copy uploaded to GeoTracker

**SECOND QUARTER 2013  
STATUS REPORT  
FORMER STATION #402, 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 Former Richfield Oil Company Station #402 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:	Former Station #402 / 1450 Fruitvale Avenue, Oakland
Client Project Manager / Title:	Ms. Shannon Couch / Remediation Management Project Manager
Broadbent Contact:	Ms. Kristene Tidwell, PG, C.Hg / (707) 455-7290
Broadbent Project No.:	08-88-602
Primary Regulatory Agency / ID No.:	ACEH, Case #RO0000307
Current phase of project:	Assessment
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 Status Report* on April 15, 2013.
2. No environmental field work was conducted at Former Station No. 402 during the First Quarter 2013

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

1. Submit *Second Quarter 2013 Status Report* (contained herein).

**DISCUSSION:**

In a letter dated October 16, 2008 ACEH requested the completion of a soil and groundwater investigation as previously approved in the ACEH letter dated June 22, 2006. The approved *Work Plan – Monitoring Well Installation, 1450 Fruitvale Avenue, Oakland, California* dated March 3, 2005 had been prepared for Fruitvale-Farnam Associates, LLC. Atlantic Richfield Company had repeatedly attempted without success to collectively implement the approved scope of work with the other listed co-Responsible Parties (RPs) listed in the ACEH letters. ARC was recently able to negotiate a final property access agreement with Mr. Phua / Fruitvale-Farnum Associates, LLC, on April 11, 2012.

Broadbent has determined that the monitoring wells previously installed at the Former Station #402 Site are no longer accessible. It appears that they were paved over or otherwise rendered inaccessible without the appropriate permits or oversight from the ACPWA. Broadbent has since scouted the compact Site and busy surrounding area and determined locations for replacement groundwater monitoring wells. Upon ACEH approval of the *Revised Monitoring Well Installation Work Plan* dated May 28, 2013 (Work Plan), Broadbent will begin monitor well installation activities immediately.

**ATTACHMENT:**

Drawing 1: Site Location Map

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

ACEH:	Alameda County Environmental Health	gal:	Gallons
ACPWA:	Alameda County Public Works Agency	GRO:	Gasoline-Range Organics
ARC:	Atlantic Richfield, Co.	HASP	Health and Safety Plan
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	µg/L:	micrograms per liter
Fe <sup>2+</sup> :	Ferrous Iron		
ft/ft	Feet per foot		



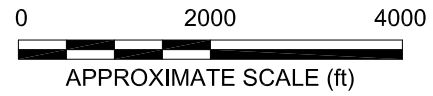
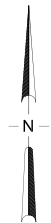
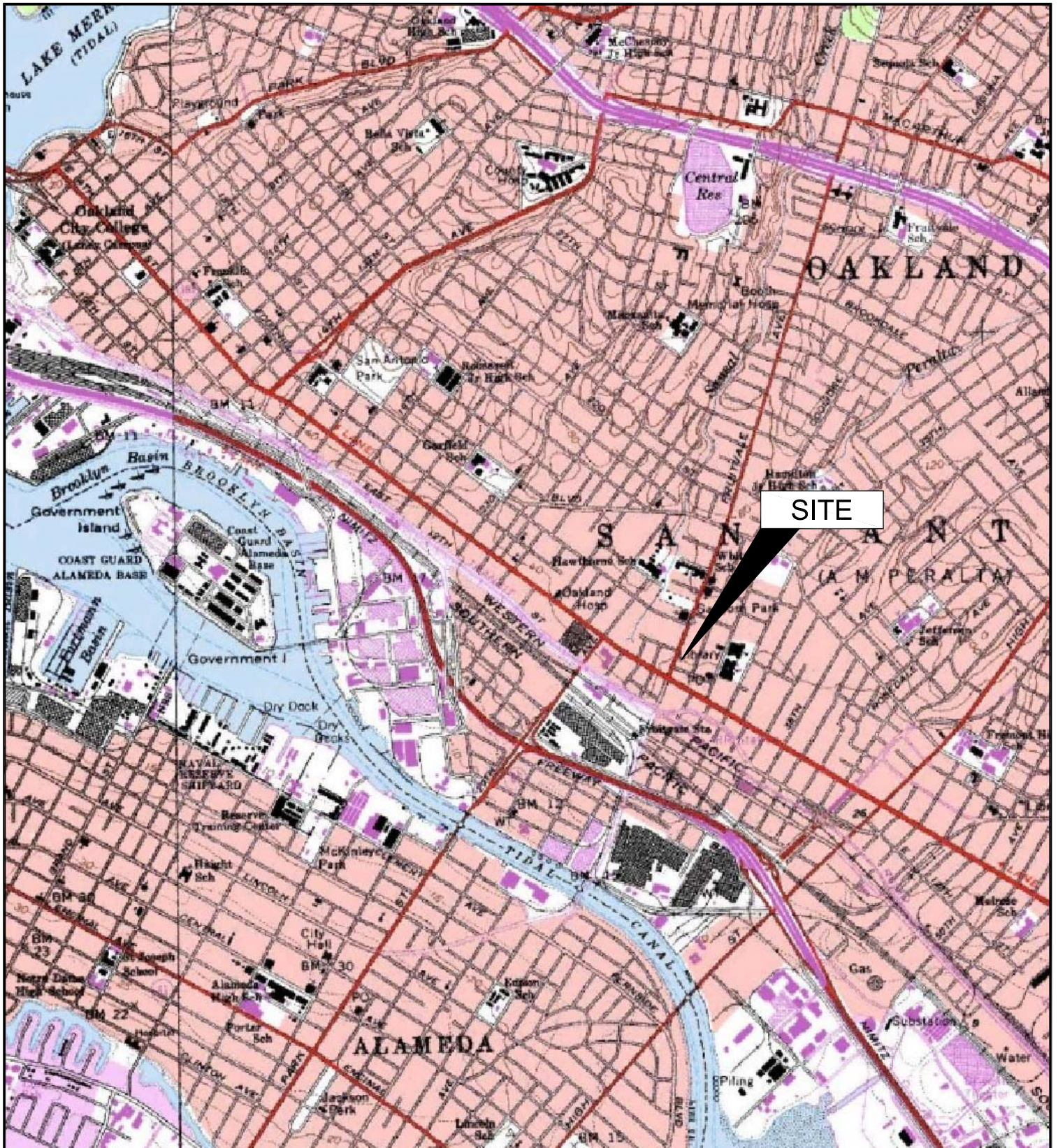


IMAGE SOURCE: USGS