

Atlantic Richfield Company

Shannon Couch
Operations Project Manager

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January 25, 2013

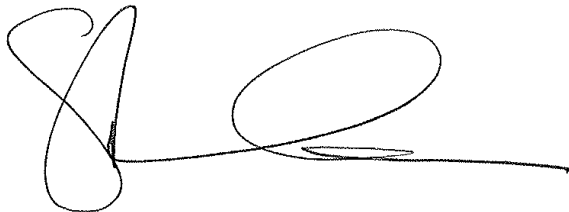
RECEIVED

By Alameda County Environmental Health at 8:49 am, Jan 30, 2013

Re: Fourth Quarter 2012 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,



Shannon Couch
Operations Project Manager

Attachment



BROADBENT

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

[T] 530-566-1400 [F] 530-566-1401

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Creating Solutions. Building Trust.

January 25, 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: Fourth Quarter 2012 Status Report, Former Richfield Oil Company Station #402,
1450 Fruitvale Avenue, Oakland, California; ACEH Case #RO0000307

Dear Ms. Couch:

Attached is the Fourth Quarter 2012 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 Fourth 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)
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

**FOURTH QUARTER 2012
STATUS REPORT
FORMER STATION #402, OAKLAND, CALIFORNIA**

Broadbent & Associates, Inc. (Broadbent) is pleased to present this *Fourth Quarter 2012 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:	Mr. Tom Venus, PE / (530) 566-1400
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 (Fourth Quarter 2012):

1. Submitted *Third Quarter 2012 Status Report* (Broadbent, 10/25/2012).
2. No environmental field work was conducted at Former Station #402 during the Fourth Quarter 2012.
3. Submitted *Monitoring Well Installation and Vapor Intrusion Assessment Work Plan* (Broadbent 10/31/2012).

WORK SCHEDULED FOR NEXT QUARTER (First Quarter 2013):

1. Submitted *Fourth Quarter 2012 Status Report* (contained herein).
2. Submit revised *Monitoring Well Installation and Vapor Intrusion Assessment Work Plan*.
3. Implement submitted work plan upon approval.

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* (AEI Consultants, 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. A property access agreement with Mr. Phua / Fruitvale-Farnum Associates, LLC, was finally executed 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. On June 19, 2012, Broadbent submitted a *Monitoring Well Installation Work Plan*. Following a meeting with ACEH on October 9, 2012, Broadbent retracted the work plan and submitted a revised work plan for monitoring well installation and vapor intrusion assessment, dated October 31, 2012. After contact from the ACEH on December 31, 2012, Broadbent plans to revise and resubmit the work plan for consideration. For reference a Site Location Map is provided as Drawing 1.

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
BTEX:	Benzene, Toluene, Ethylbenzene, Total Xylenes	HASP:	Health and Safety Plan
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 ₃ :	Nitrate as Nitrogen
DRO:	Diesel-Range Organics	ppb:	parts per billion
EDB:	1,2-Dibromomethane	SO ₄ :	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 ²⁺ :	Ferrous Iron	µg/L:	micrograms per liter
ft/ft	Feet per foot		

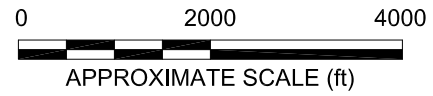
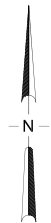
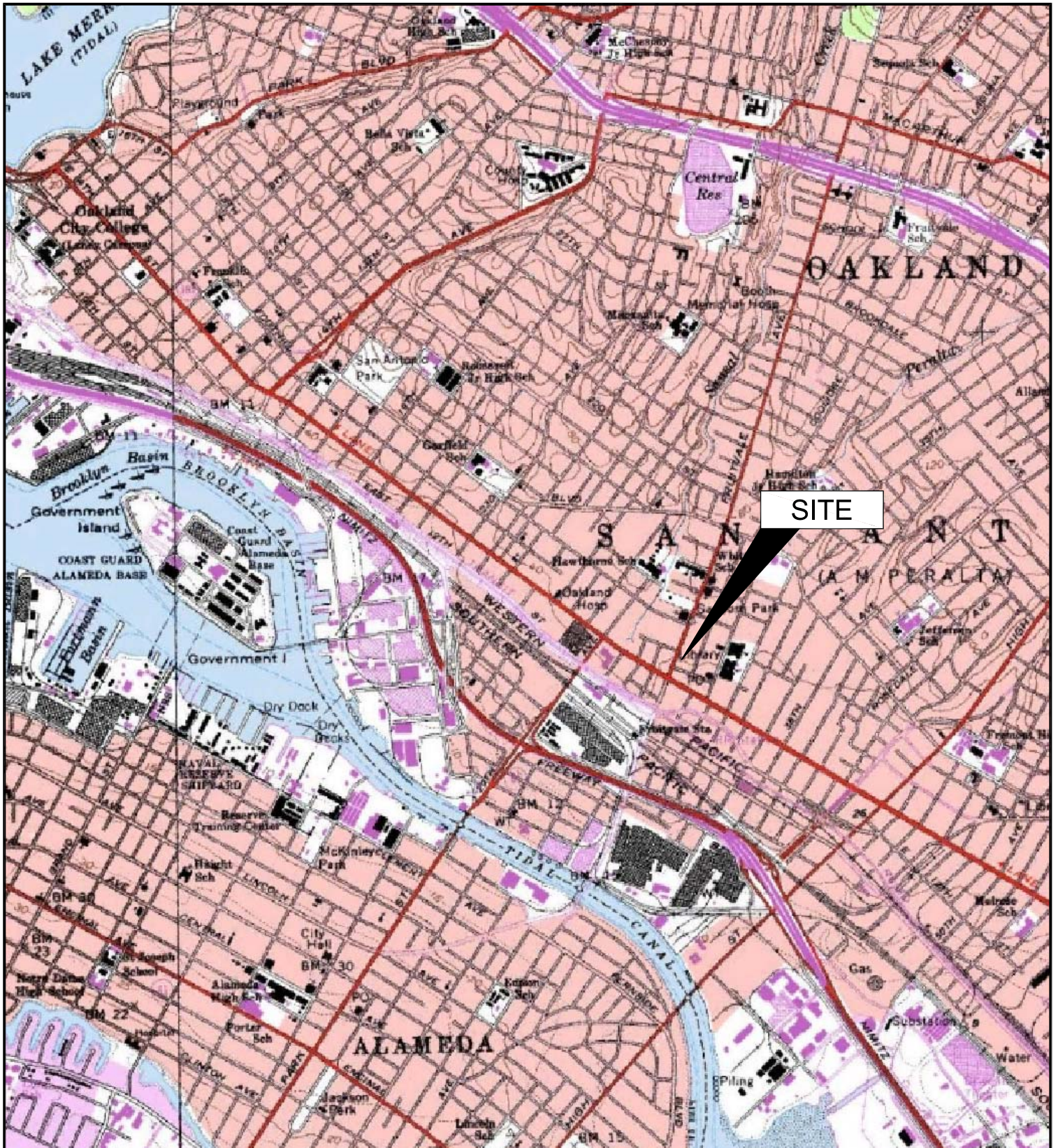


IMAGE SOURCE: USGS