

Atlantic Richfield Company

Shannon Couch
Operations Project Manager

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July 27, 2012

Re: Second Quarter 2012 Status Report
Former Richfield Oil Company Station #402
1450 Fruitvale Avenue, Oakland, California
ACEH Case #RO0000307

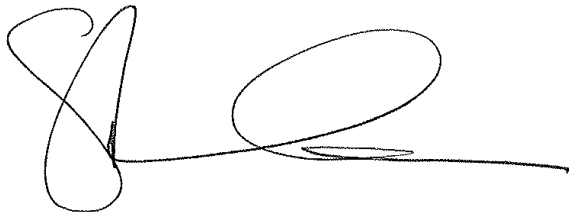
RECEIVED

8:39 am, Aug 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.

July 27, 2012

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

Dear Ms. Couch:

Attached is the Second 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 Second 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

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

Broadbent & Associates, Inc. (Broadbent) is pleased to present this *Second 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:	<u>Former Station #402 / 1450 Fruitvale Avenue, Oakland</u>
Client Project Manager / Title:	<u>Ms. Shannon Couch / Remediation Management Project Manager</u>
Broadbent Contact:	<u>Mr. Tom Venus, PE / (530) 566-1400</u>
Broadbent Project No.:	<u>08-88-602</u>
Primary Regulatory Agency / ID No.:	<u>ACEH, Case #RO0000307</u>
Current phase of project:	<u>Assessment</u>
List of Acronyms / Abbreviations:	<u>See end of report text for list of acronyms/abbreviations used in report.</u>

WORK PERFORMED THIS QUARTER (Second Quarter 2012):

1. Submitted *First Quarter 2012 Status Report* (Broadbent, 4/5/2012).
2. Submitted *Monitoring Well Installation Work Plan* (Broadbent, 6/19/2012).
3. Requested and obtained area utilities maps.

WORK SCHEDULED FOR NEXT QUARTER (Third Quarter 2012):

1. Submit *Second Quarter 2012 Status Report* (contained herein).
2. 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. BP was recently able to negotiate a final property access agreement with Mr. Phua / Fruitvale-Farnam 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 *Monitoring Well Installation Work Plan* (June 19, 2012), Broadbent will begin monitor well installation activities immediately. If a reply is not received within 90 days from submittal of the work plan, Broadbent and BP will begin implementation of the work plan at that time. However, a response from ACEH would be most appreciated. Further status updates will be provided to ACEH when new developments or information becomes available, but at least on a quarterly basis.

ATTACHMENT:

- Drawing 1: Site Location Map
- Drawing 2: Site Map with Proposed Monitoring Well Locations

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		

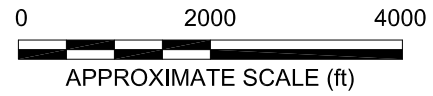
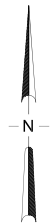
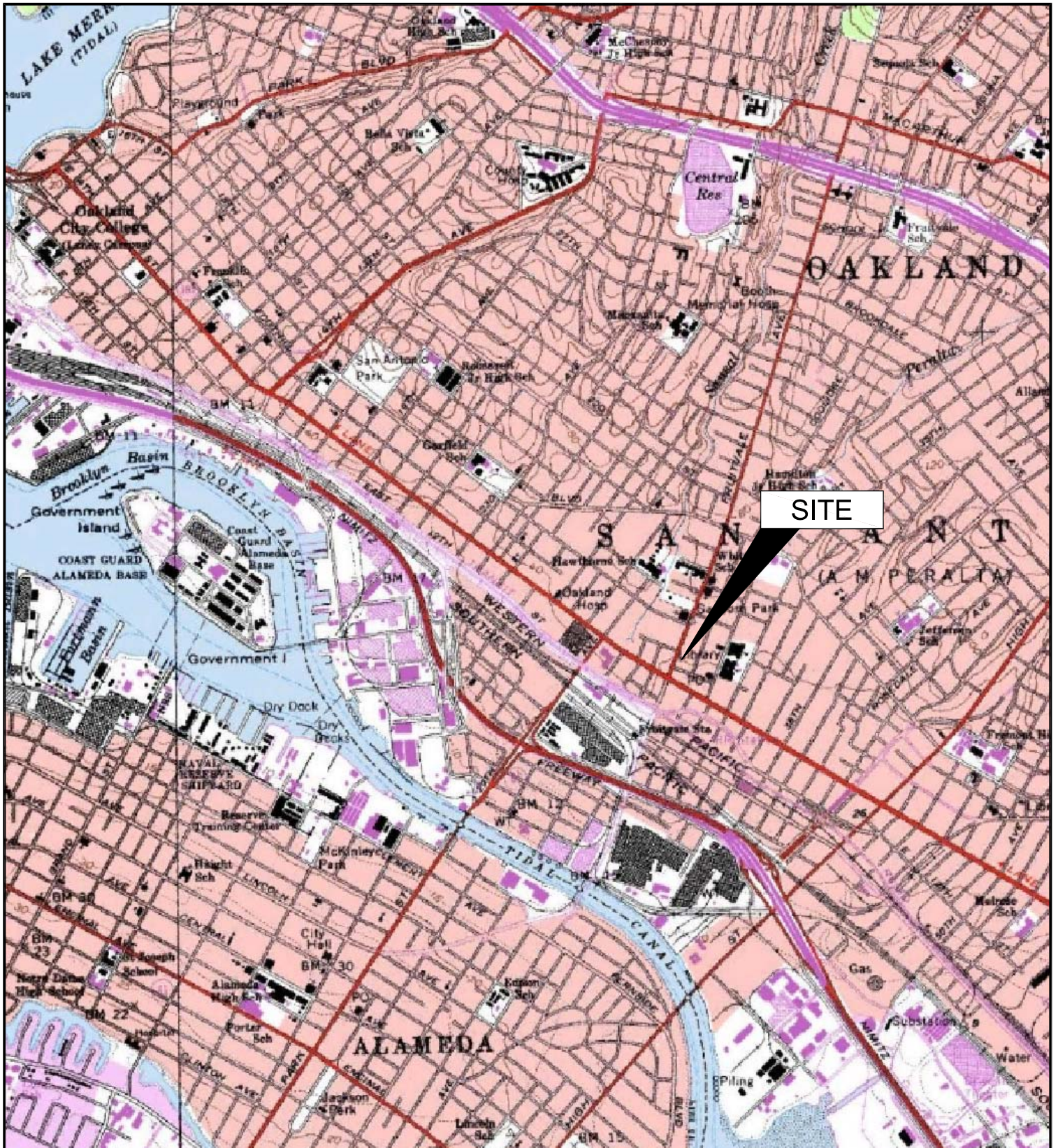
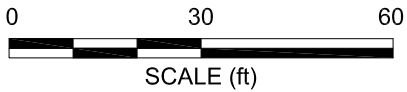
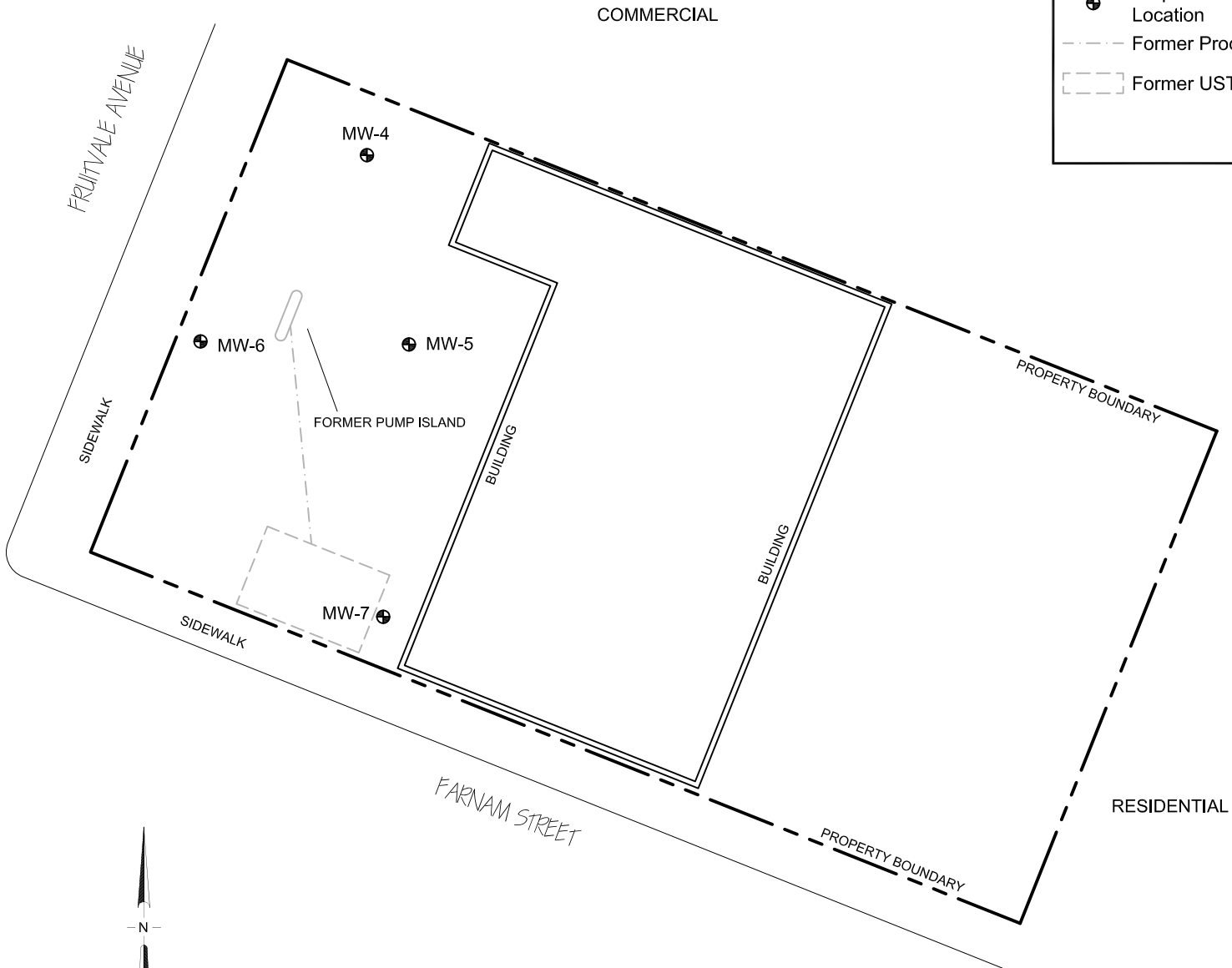


IMAGE SOURCE: USGS

LEGEND

- ⊕ Proposed Monitoring Well Location
- - - Former Product Lines
- ▭ Former UST Basin

NOTE: SITE MAP ADAPTED FROM AEI CONSULTANTS FIGURES
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.



BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, California 95926
Project No.: 08-88-602 Date: 6/14/2012

Former Station #402
1450 Fruitvale Avenue
Oakland, California

Site Map with Proposed
Monitoring Well Locations

Drawing

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