

Atlantic Richfield Company

Shannon Couch
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July 27, 2012

Re: Second Quarter 2012 Status Report
Atlantic Richfield Company Station #2169
889 West Grand Avenue, Oakland, California
ACEH Case #RO0000072

RECEIVED

8:32 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

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Creating Solutions. Building Trust.

July 27, 2012

Project No. 06-88-621

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

Attn.: Ms. Shannon Couch

Re: Second Quarter 2012 Status Report, Atlantic Richfield Company Station #2169,
889 West Grand Avenue, Oakland, California; ACEH Case #RO0000072

Dear Ms. Couch:

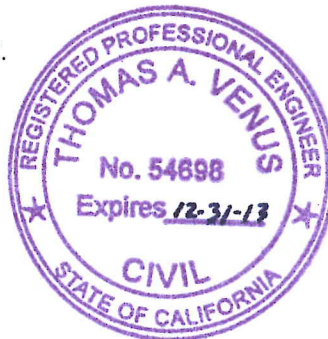
Attached is the Second Quarter 2012 Status Report for Atlantic Richfield Company Station #2169 located at 889 West Grand Avenue, Oakland, California. This report presents a summary of current developments at the Site through the Second Quarter of 2012.

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)
Electronic copy uploaded to GeoTracker

**SECOND QUARTER 2012
STATUS REPORT
ARCO STATION #2169, 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 ARCO Station #2169 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>ARCO Station #2169 / 889 West Grand Avenue, Oakland</u>
Client Project Manager / Title:	<u>Ms. Shannon Couch / RM Operations Project Manager</u>
Broadbent Contact:	<u>Mr. Tom Venus, PE / (530) 566-1400</u>
Broadbent Project No.:	<u>06-88-621</u>
Primary Regulatory Agency / ID No.:	<u>ACEH, Case #RO0000072</u>
Current phase of project:	<u>Monitoring, Offsite 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 Monitoring Report* (Broadbent, 4/30/2012).
2. Marked area for clearance by member utilities of Underground Service Alert (Broadbent, 6/5/2012)
3. Developed Traffic Control Plan for closure of lanes to perform private underground utility survey (Broadbent, Statewide Traffic Safety & Signs, 6/8/2012).
4. Preparing Encroachment Permit Application with City of Oakland to close lanes during underground utility survey.

WORK SCHEDULED FOR NEXT QUARTER (Third Quarter 2012):

1. Submit *Second Quarter 2012 Status Report* (contained herein).
2. Finalize Encroachment Permit with City of Oakland for lane closures.
3. Perform underground utility survey in City of Oakland right-of-way for Market Street and 22nd Street.
4. Perform groundwater monitoring/sampling for Third Quarter 2012.

DISCUSSION:

It is recommended that the pending offsite groundwater boring investigation be discussed with ACEH. The *Preferential Pathway Evaluation and Soil & Groundwater Investigation Work Plan* was submitted to ACEH by Broadbent on April 6, 2009. Proposed access agreements were sent to the owners of record of the properties at 885 2nd Street and 949 West Grand Avenue. According to the Alameda County Assessor's Office, Mr. Harold Williams, Sr. (given contact address of 866 54th Street, Oakland, CA 94608) is the owner of record for 885 22nd Street, also known as Alameda County Assessor's Parcel No. (APN) 3-29-15. The purpose of a single groundwater boring on this property was to assess the southern offsite extent of petroleum hydrocarbon-impacted groundwater from ARCO Station #2169. Also according to the Alameda County Assessor's Office, Mr. Myung S. Kim (given contact address of 2601 Telegraph Avenue, Oakland, CA 94612) is the owner of record for the city block across Market Street with the address of 949 West Grand Avenue, also known as Alameda County APN 5-411-1-4. The purpose of four groundwater borings on this property was to assess the western extent of petroleum hydrocarbon-impacted groundwater from ARCO Station #2169. The dense network of existing underground and overhead utilities in the City of Oakland Right-of-Ways (ROWs) for Market Street and 22nd Street had originally pushed Broadbent to propose the offsite groundwater borings on the private properties. However, due to the protracted stalemate obtaining access to the two private properties, Broadbent proposes discussing with the ACEH alternative boring locations possibly within the City of Oakland ROWs for Market Street and 22nd Street. Broadbent is presently obtaining updated utility

location information to identify the limited few potential drilling locations in the ROWs. For reference, a Site Location Map is provided as Drawing 1.

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
APN:	Assessor's Parcel Number	GRO:	Gasoline-Range Organics
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 ₃ :	Nitrate as Nitrogen
DO:	Dissolved Oxygen	ppb:	parts per billion
DRO:	Diesel-Range Organics	SO ₄ :	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	ROW:	Right of way
Fe ²⁺ :	Ferrous Iron	µg/L:	micrograms per liter

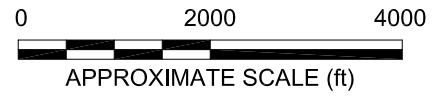
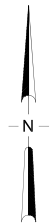
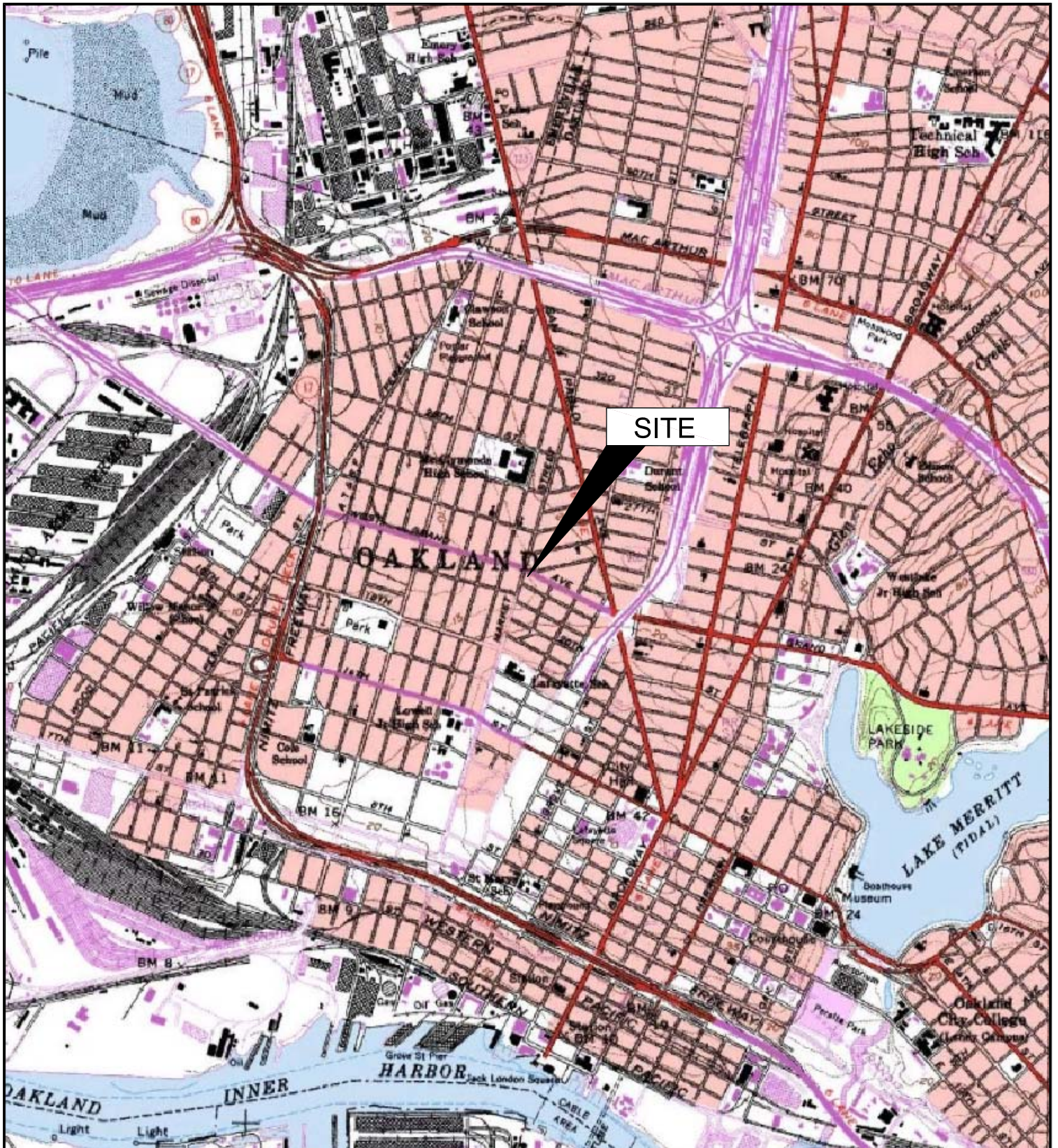


IMAGE SOURCE: USGS