

# Atlantic Richfield Company

**Shannon Couch**  
Operations Project Manager

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**RECEIVED**

*7:57 am, Jan 09, 2012*

Alameda County  
Environmental Health

January 5, 2012

Re: Fourth Quarter 2011 Status Report  
Atlantic Richfield Company Station #2169  
889 West Grand Avenue, Oakland, California  
ACEH Case #RO0000072

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

January 5, 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: Fourth Quarter 2011 Status Report, Atlantic Richfield Company Station #2169,  
889 West Grand Avenue, Oakland, California; ACEH Case #RO0000072

Dear Ms. Couch:

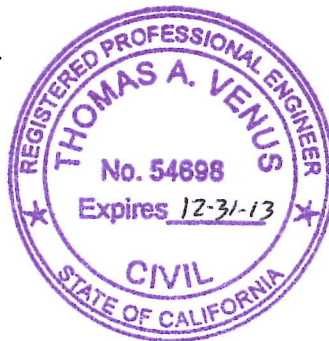
Attached is the Fourth Quarter 2011 Status Report for Atlantic Richfield Company Station #2169 located at 889 West Grand Avenue, Oakland, California. Should you have questions regarding this submittal, please do not hesitate to contact me at (530) 566-1400.

Sincerely,

BROADBENT & ASSOCIATES, INC.



Thomas A. Venus, P.E.  
Senior Engineer



Enclosures

cc: Mr. Paresh Khatri, Alameda County Environmental Health (submitted via ACEH ftp site)  
Electronic copy uploaded to GeoTracker

**FOURTH QUARTER 2011  
STATUS REPORT  
ARCO STATION #2169, OAKLAND, CALIFORNIA**

Broadbent & Associates, Inc. (Broadbent) is pleased to present this *Fourth Quarter 2011 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 (Fourth Quarter 2011):**

1. Submitted *Third Quarter 2011 Monitoring Report* (Broadbent, 10/31/2011).
2. No environmental field work was conducted at Station #2169 during the Fourth Quarter 2011.

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

1. Submit *Fourth Quarter 2011 Status Report* (contained herein).
2. Perform groundwater monitoring/sampling for First 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 2<sup>nd</sup> Street and 949 West Grand Avenue. According to the Alameda County Assessor's Office, Mr. Harold Williams, Sr. (given contact address of 866 54<sup>th</sup> Street, Oakland, CA 94608) is the owner of record for 885 22<sup>nd</sup> 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 22<sup>nd</sup> 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 22<sup>nd</sup> 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.

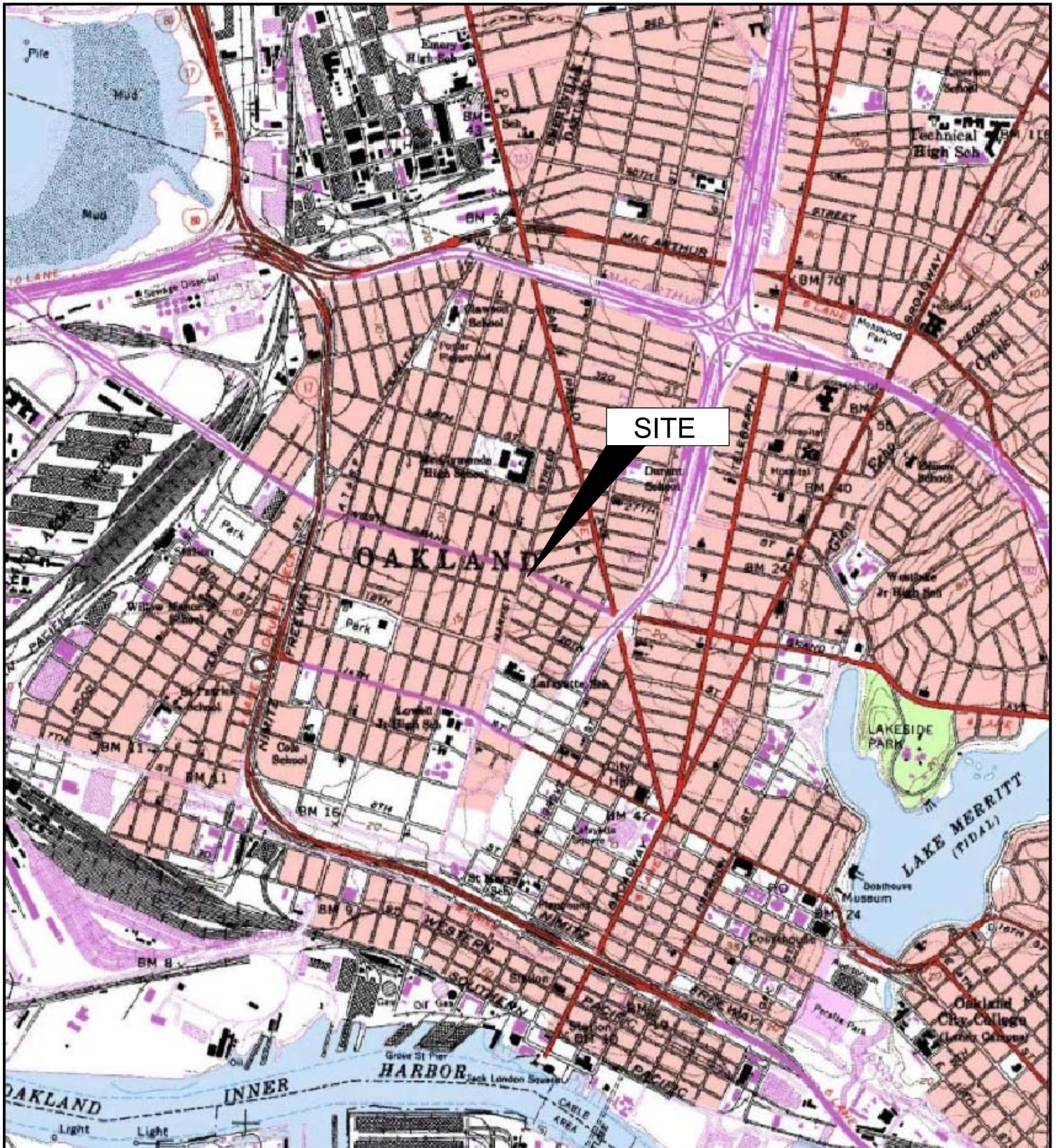
**ATTACHMENTS:**

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
BTEX:	Benzene, Toluene, Ethylbenzene, Total Xylenes	GRO:	Gasoline-Range Organics
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 <sub>3</sub> :	Nitrate as Nitrogen
DRO:	Diesel-Range Organics	ppb:	parts per billion
EDB:	1,2-Dibromomethane	SO <sub>4</sub> :	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 <sup>2+</sup> :	Ferrous Iron	µg/L:	micrograms per liter





SITE

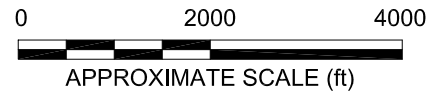
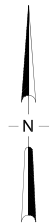


IMAGE SOURCE: USGS