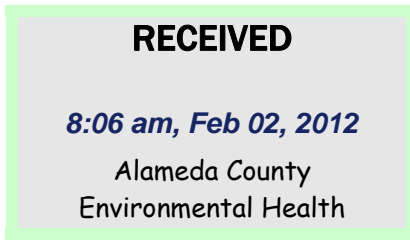


Atlantic Richfield Company

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

January 31, 2012

Re: Fourth Quarter 2011 Monitoring Report
Atlantic Richfield Company Station #2107
3310 Park Boulevard, Oakland, California
ACEH Case #RO0002526

"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, appearing to be "SC", with a long horizontal line extending to the right.

Shannon Couch
Operations Project Manager

Attachment:

January 31, 2011

Project No. 06-88-614

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 #2107, 3310
Park Boulevard, Oakland, Alameda County, California; ACEH Case #RO0002526

Dear Ms. Couch:

Attached is the *Fourth Quarter 2011 Status Report* for Atlantic Richfield Company Station #2107 located at 3310 Park Boulevard, Oakland, Alameda County, California (Site). This report presents a summary of current developments at the Site through the Fourth Quarter of 2011. Should you have questions regarding the work performed or results obtained, please do not hesitate to contact us at (707) 455-7290.

Sincerely,
BROADBENT & ASSOCIATES, INC.



James C. Ramos, E.I.T. For
Staff Engineer



Thomas A. Sparrowe, P.G.
Senior Geologist



Enclosures

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

**FOURTH QUARTER 2011
STATUS REPORT
STATION #2107, 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 Station #2107 located in Oakland, Alameda County, California. Monitoring activities at the site were performed in accordance with the reporting requirements issued by the Alameda County Environmental Health (ACEH). Details of work performed, discussion of results, and recommendations are provided below.

Facility Name / Address:	<u>Station #2107 / 3310 Park Boulevard, Oakland, California</u>
Client Project Manager / Title:	<u>Ms. Shannon Couch, Remediation Management Project Manager</u>
Broadbent Contact:	<u>Tom Sparrowe, P.G., (707) 455-7290</u>
Broadbent Project No.:	<u>06-88-614</u>
Primary Regulatory Agency / ID No.:	<u>ACEH / Case #RO0002526</u>
Current phase of project:	<u>Monitoring</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* on October 31, 2011.
2. No environmental field activities were conducted during the Fourth Quarter 2011.

WORK SCHEDULED FOR NEXT QUARTER (First Quarter 2012):

1. Submit *Fourth Quarter 2011 Status Report* (contained herein).
2. Conduct First Quarter 2012 groundwater monitoring.

GROUNDWATER MONITORING PLAN SUMMARY:

Groundwater level gauging:	<u>MW-11A, MW-11B, MW-12A, MW-12B, MW-13A, MW-13B</u>	(1Q & 3Q)
Groundwater sample collection:	<u>MW-11A, MW-11B, MW-12A, MW-12B, MW-13A, MW-13B</u>	(1Q & 3Q)
Biodegradation indicator parameter monitoring:	<u>None</u>	

QUARTERLY RESULTS SUMMARY:

LNAPL

LNAPL observed this quarter:	<u>N/A</u>	(yes/no)
LNAPL recovered this quarter:	<u>N/A</u>	(gal)
Cumulative LNAPL recovered:	<u>N/A</u>	(gal)

Groundwater Elevation and Gradient:

Depth to groundwater:	<u>N/A</u>	(ft below TOC)
Gradient direction:	<u>N/A</u>	(compass direction)
Gradient magnitude:	<u>N/A</u>	(ft/ft)
Average change in elevation:	<u>N/A</u>	(ft since last measurement)

Laboratory Analytical Data

Summary:	<u>No environmental field activities were conducted during Fourth Quarter 2011.</u>
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DISCUSSION:

No environmental field activities were conducted by Broadbent at the Site during the Fourth Quarter of 2011. The most recent groundwater monitoring/sampling occurred during the Third Quarter of 2011, the results of which are contained within the *Third Quarter 2011 Monitoring Report* (Broadbent, 10/31/11). As mentioned in the Third Quarter 2011 Monitoring, Broadbent has recommended that Atlantic Richfield Company Station #2107 to be considered a low risk exposure closure candidate due to decreasing concentrations of petroleum hydrocarbon constituents of concern. For immediate reference, a site location map is provided as Drawing 1 and a groundwater elevation and analytical summary map, dated August 8, 2011, is provided as Drawing 2.

LIMITATIONS:

The findings presented in this report are based upon observations of field personnel, points investigated, results of laboratory tests performed by Calscience Environmental Laboratories, Inc. (Garden Grove, California), and our understanding of ACEH requirements. Our services were performed in accordance with the generally accepted standard of practice at the time this report was written. No other warranty, expressed or implied was made. This report has been prepared for the exclusive use of the Atlantic Richfield Company. It is possible that variations in soil or groundwater conditions could exist beyond points explored in this investigation. Also, changes in site conditions could occur in the future due to variations in rainfall, temperature, regional water usage, or other factors.

ATTACHMENTS:

- Drawing 1: Site Location Map, Station #2107, 3310 Park Boulevard, Oakland, California
- Drawing 2: Groundwater Elevation Contours and Analytical Summary Map, August 8, 2011, Station #2107, 3310 Park Boulevard, Oakland, California

LIST OF COMMONLY USED ACCRONYMS/ABBREVIATIONS:

ACEH:	Alameda County Environmental Health	ft/ft:	feet per foot
Broadbent:	Broadbent & Associates, Inc.	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 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

DRAWINGS

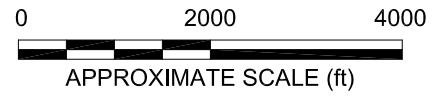
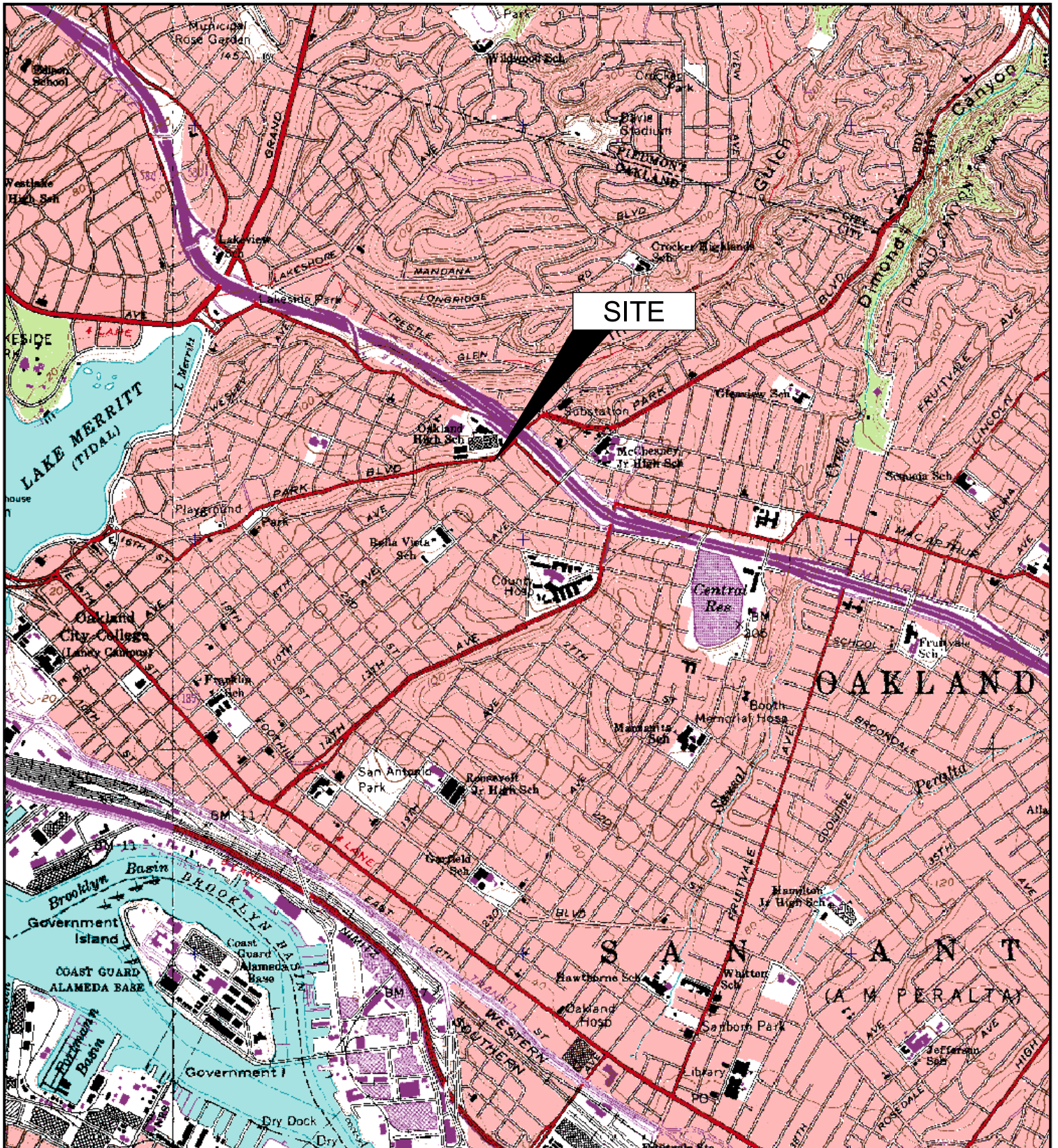


IMAGE SOURCE: USGS

BROADBENT & ASSOCIATES, INC
 ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
 1324 Mangrove Ave, Suite 212, Chico, CA 95926
 Project No.: 06-88-614 Date: 07/22/09

Station #2107
 3310 Park Boulevard
 Oakland, California

Site Location Map

Drawing
1

Oakland High School

MW-13A	MW-13B
106.12*	112.27
<50	<50
<0.50	<0.50
29	32
SA(1,3)	SA(1,3)

MW-12A	MW-12B
112.31*	111.49
<50	<50
<0.50	<10
32	510
SA(1,3)	SA(1,3)

PARK BLVD.

MW-11B	MW-11A
114.07	105.97*
<50	730
<1.0	7.3
60	310
SA(1,3)	SA(1,3)

E. 34th ST.

33rd St.

Building

LEGEND

- MONITORING WELL LOCATION
- DESTROYED WELL LOCATION
- HYDRO PUNCH LOCATION
- SOIL BORING LOCATION
- HYRDO PUNCH AND SOIL BORING LOCATION

Well	WELL DESIGNATION
ELEV	GROUND-WATER ELEVATION (FT NAVD88)
GRO	CONCENTRATIONS OF GRO, BENZENE & MTBE IN MICROGRAMS PER LITER (µg/L)
Benzene	
MTBE	
Q	SAMPLING FREQUENCY

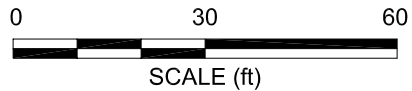
0.040 GROUND-WATER FLOW DIRECTION AND GRADIENT (FT/FT)

- 112.0 GROUND-WATER ELEVATION CONTOUR (FEET)

SA(1,3) SAMPLED SEMI-ANNUALLY, 1ST AND 3RD QUARTER

< NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT

* WELL NOT USED TO GENERATE CONTOURS



BROADBENT & ASSOCIATES, INC.
 ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
 1324 Mangrove Ave. Suite 212, Chico, California
 Project No.: 06-88-614 Date: 8/26/2011

Station #2107
 3310 Park Boulevard
 Oakland, California

Groundwater Elevation Contours
 and Analytical Summary Map
 August 8, 2011

Drawing
2