

# 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

**RECEIVED**

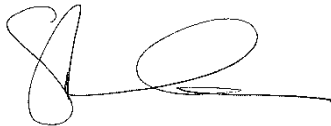
9:54 am, Aug 01, 2011  
Alameda County  
Environmental Health

July 29, 2011

Re: Second Quarter 2011 Status 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,



Shannon Couch  
Operations Project Manager

Attachment:

July 29, 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: Second 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 *Second 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 Second 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.  
Staff Engineer



Thomas A. Sparrowe, P.G. #5065 (expires 12/31/12)  
Senior Geologist



Enclosures

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

**SECOND QUARTER 2011  
STATUS REPORT  
STATION #2107, OAKLAND, CALIFORNIA**

Broadbent & Associates, Inc. (BAI) is pleased to present this *Second 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 / Operations Project Manager</u>
BAI Contact:	<u>Tom Sparrowe, P.G., (707) 455-7290</u>
BAI Project No.:	<u>06-88-614</u>
Primary Regulatory Agency / ID No.:	<u>Alameda County Environmental Health / 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 (Second Quarter 2011):**

1. Submitted *First Quarter 2011 Monitoring Report* on April 29, 2011.
2. No environmental work was conducted at the Site during Second Quarter 2011.

**WORK SCHEDULED FOR NEXT QUARTER (Third Quarter 2011):**

1. Submit *Second Quarter 2011 Status Report* (contained herein).
2. Conduct groundwater monitoring for Third Quarter 2011.

**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 work was conducted during Second Quarter 2011.</u>
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## **DISCUSSION:**

No environmental field work was conducted by Broadbent & Associates at the Site during the Second Quarter of 2011. The most recent groundwater monitoring/sampling occurred during the First Quarter of 2011, the results of which are contained within the *First Quarter 2011 Monitoring Report* (BAI, 04/29/11). For immediate reference, a site location map is provided as Drawing 1 and a groundwater elevation and analytical summary map, dated March 10, 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, March 10, 2011, Station #2107, 3310 Park Boulevard, Oakland, California

## **LIST OF COMMONLY USED ACCRONYMS/ABBREVIATIONS:**

ACEH: Alameda County Environmental Health  
BAI: Broadbent & Associates, Inc.  
gal: Gallons  
LNAPL: Light Non-Aqueous Phase Liquid  
TOC: Top of Casing

## **DRAWINGS**

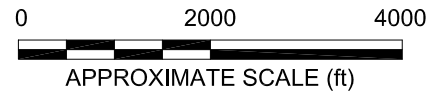
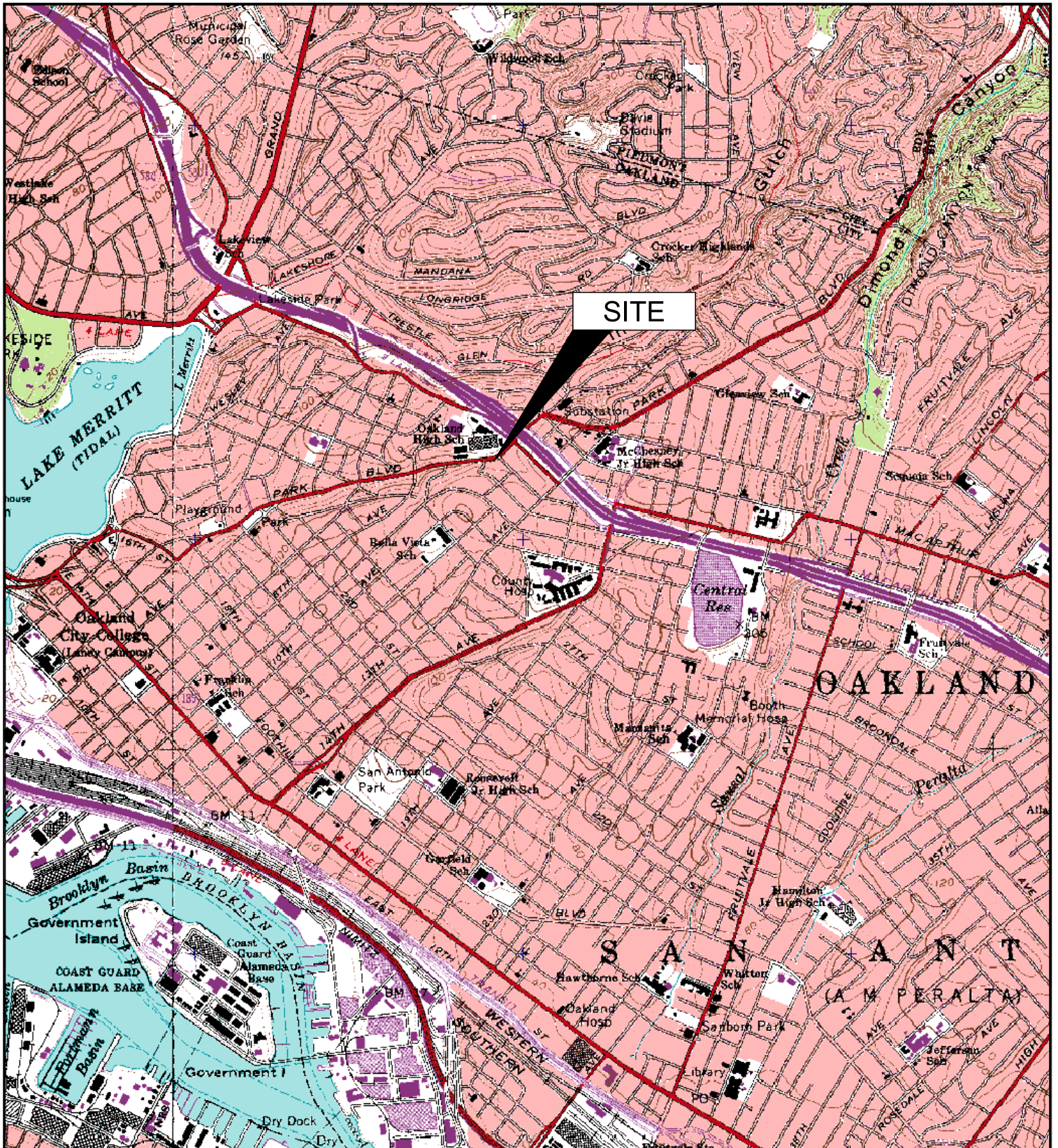


IMAGE SOURCE: USGS

**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
111.98*	111.03
<50	<50
<0.50	<0.50
12	31
SA(1,3)	SA(1,3)

MW-12A	MW-12B
112.21*	110.79
<50	<50
<0.50	<10
27	700
SA(1,3)	SA(1,3)

PARK BLVD.

MW-11B	MW-11A
114.06	NM
<50	250
<1.0	<5.0
58	76
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

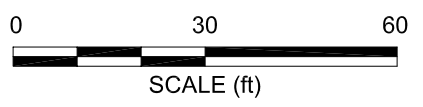
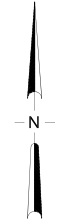
GROUND-WATER FLOW DIRECTION AND GRADIENT (FT/FT)

— 111.5 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: 4/18/2011

Station #2107  
 3310 Park Boulevard  
 Oakland, California

Groundwater Elevation Contours  
 and Analytical Summary Map  
 March 10, 2011

Drawing  
**2**