

Atlantic Richfield Company

Shannon Couch
Operations Project Manager

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RECEIVED

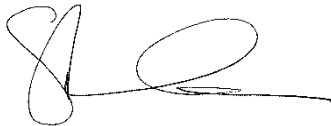
11:10 am, Aug 01, 2011
Alameda County
Environmental Health

July 29, 2011

Re: Second Quarter 2011 Status Report
Atlantic Richfield Company Station #2111
1156 Davis Street, San Leandro, California
ACEH Case #RO0000494

"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. 06-88-615

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 #2111, 1156 Davis Street, San Leandro, Alameda County, California; ACEH Case #RO0000494

Dear Ms. Couch:

Attached is the *Second Quarter 2011 Status Report* for Atlantic Richfield Company Station #2111 located at 1156 Davis Street, 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)
Mr. Karl Busche, City of San Leandro Environmental Services Division, 835 East 14th Street, San Leandro, California 945977 (Submitted via Geo Tracker)
Electronic copy uploaded to GeoTracker

**SECOND QUARTER 2011
STATUS REPORT
STATION #2111, SAN LEANDRO, 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 #2111 located in San Leandro, 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 #2111 / 1156 Davis Street, San Leandro, 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>06-88-615</u>
Primary Regulatory Agency / ID No.:	<u>Alameda County Environmental Health (ACEH)/ Case #RO0000494</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-1 through MW-8</u>	(1Q & 3Q)
Groundwater sample collection:	<u>MW-1 to MW-5, MW-7 and MW-8</u>	(1Q & 3Q)
	<u>MW-6</u>	(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 for 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 February 10, 2011, is provided as Drawing 2.

Offsite investigation should determine if a plume of petroleum hydrocarbons in groundwater presents an exposure hazard to down gradient receptors. In a September 29, 2009 letter to ARC, ACEH requested the submittal of an Addendum to the work plan for offsite monitoring well installation. A September 11, 2009 email from BAI to ACEH, it was noted that BAI was unsuccessful in obtaining offsite access to the down gradient strip mall at 1290 Davis Street. The September 11, 2009 email provided ACEH with evidence of this offsite access stalemate and requested that ACEH assist in obtaining offsite access if they were interested in determining whether an exposure hazard exists for the strip mall employees and visitors. A November 24, 2009 BAI email, requested assistance from ACEH with obtaining access at 1290 Davis Street, or inform BP and BAI that offsite access in this down gradient direction will not be required. BP and BAI received an email response from the ACEH on December 4, 2009 stating that ACEH would send a letter to the offsite property owner. ACEH's letter to the offsite property owner was dated February 10, 2010 and at this time BP and BAI are awaiting further correspondence from ACEH or access from the offsite property owner.

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 #2111, 1156 Davis Street, San Leandro, California
- Drawing 2: Groundwater Elevation Contours and Analytical Summary Map, February 10, 2011, Station #2111, 1156 Davis Street, San Leandro, California

LIST OF COMMONLY USED ACCRONYMS/ABBREVIATIONS:

- ACEH: Alameda County Environmental Health
- BAI: Broadbent & Associates, Inc.
- LNAPL: Light Non-Aqueous Phase Liquid

DRAWINGS

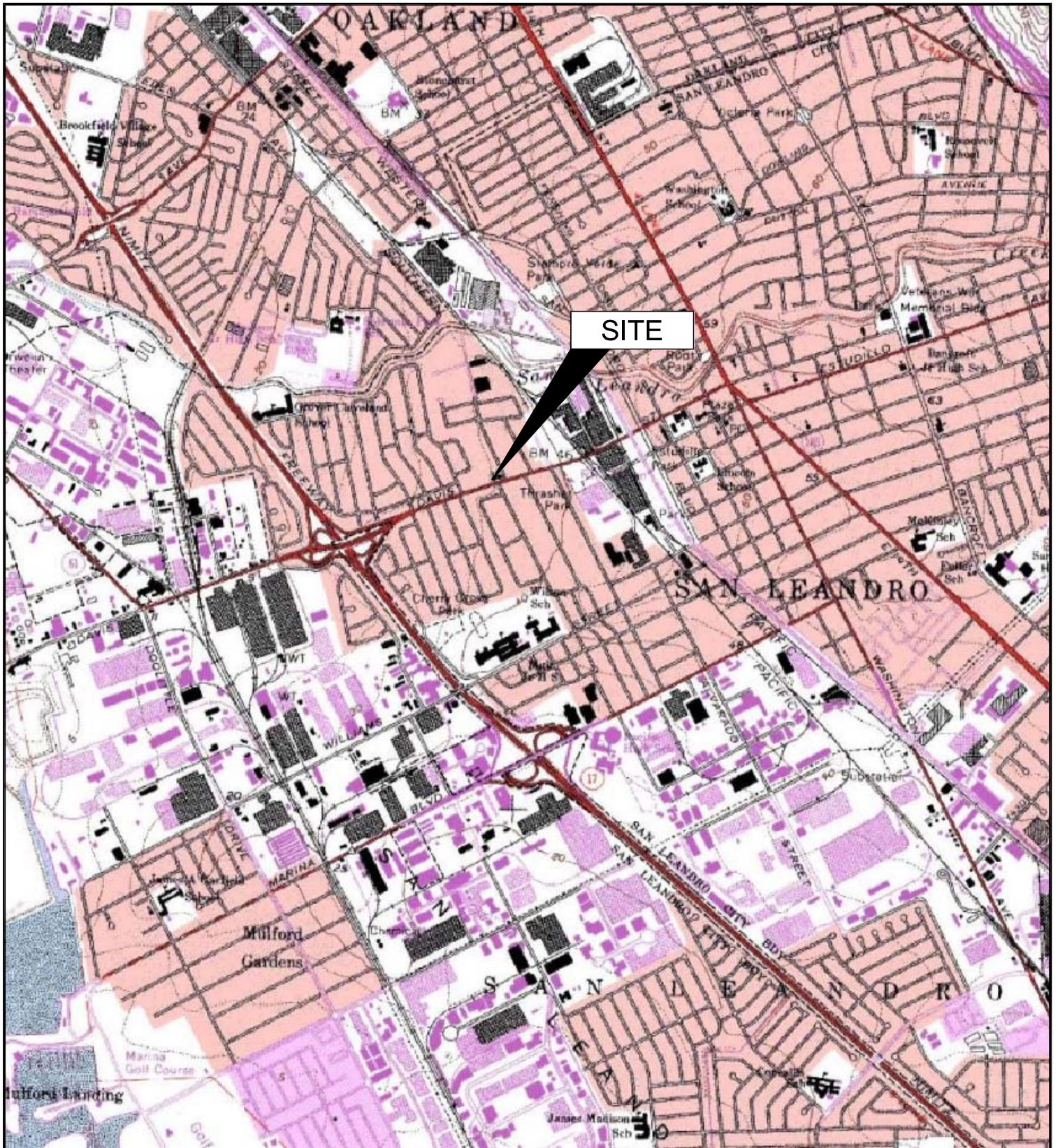


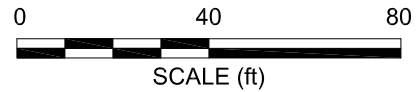
IMAGE SOURCE: USGS

PARKING

H-4

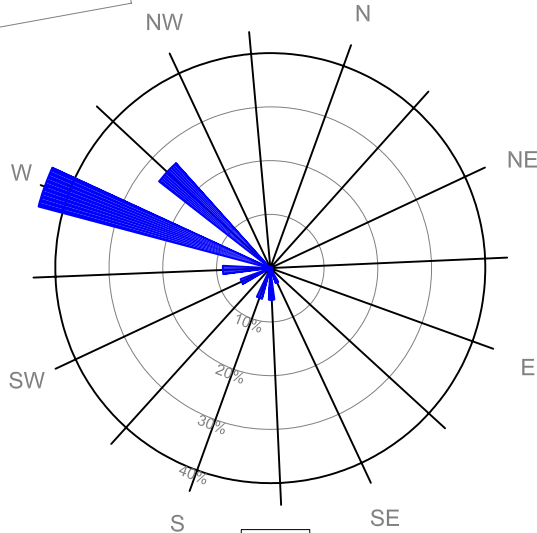
H-5

SB-1



LEGEND

- ⊕ MONITORING WELL LOCATION
- ⊙ VAPOR EXTRACTION WELL LOCATION
- DESTROYED WELL LOCATION
- Well WELL DESIGNATION
- ELEV GROUND-WATER ELEVATION (FT)
- GRO CONCENTRATIONS OF GRO, BENZENE & MTBE IN MICROGRAMS PER LITER (µg/L)
- MTBE
- A/Q SAMPLING FREQUENCY
- ← 0.002 GROUND-WATER FLOW DIRECTION AND GRADIENT (FT/FT)
- 23.0 GROUND-WATER ELEVATION CONTOUR (FT)
- SA(1,3) SAMPLED SEMI-ANNUALLY
- A(3) SAMPLED ANNUALLY, THIRD QUARTER
- < NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT
- NS NOT SAMPLED
- NM NOT MEASURED
- * WELL NOT USED TO GENERATE CONTOURS



MW-1
23.07
<50
<0.50
1.1
SA(1,3)

MW-3
23.56
<50
<0.50
0.51
SA(1,3)

MW-8
23.63
<50
<0.50
4.5
SA(1,3)

MW-4
23.45
<50
<0.50
<0.50
SA(1,3)

MW-5
22.88
<50
<0.50
0.73
SA(1,3)

MW-6
23.96
NS
NS
NS
A(3)

MW-2
23.33
960
<4.0
12
SA(1,3)

MW-7
23.63
440
<25
310
SA(1,3)

