

Atlantic Richfield Company

Shannon Couch
Operations Project Manager

RECEIVED

11:11 am, Aug 01, 2011

Alameda County
Environmental Health

PO Box 1257
San Ramon, CA 94583
Phone: (925) 275-3804
Fax: (925) 275-3815
E-Mail: shannon.couch@bp.com

July 29, 2011

Re: Second Quarter 2011 Status Report
Atlantic Richfield Company Service Station #601
712 Lewelling Boulevard, San Leandro, California
ACEH Case #RO0000309

"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. 06-88-605

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 #601, 712
Lewelling Boulevard, San Leandro, Alameda County, California; ACEH Case
#RO0000309

Dear Ms. Couch:

Attached is the *Second Quarter 2011 Status Report* for Atlantic Richfield Company Station #601 located at 712 Lewelling Boulevard, San Leandro, 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.
Senior Geologist



enclosures

cc: Mr. Paresh Khatri, Alameda County Environmental Health (submitted via ACEH ftp site)
Mr. Karl Busche, City of San Leandro (Submitted via GeoTracker)
Electronic copy uploaded to GeoTracker

**SECOND QUARTER 2011
STATUS REPORT
STATION #601, 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 #601 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:	Station #601 / 712 Lewelling Boulevard, San Leandro, California
Client Project Manager / Title:	Ms. Shannon Couch / Operations Project Manager
BAI Contact:	Tom Sparrowe, P.G., (707) 455-7290
BAI Project No.:	06-88-605
Primary Regulatory Agency / ID No.:	Alameda County Environmental Health (ACEH)/ Case #RO0000309
Current phase of project:	Monitoring
List of Acronyms / Abbreviations:	See end of report text for list of acronyms/abbreviations used in report.

WORK PERFORMED THIS QUARTER (Second Quarter 2011):

1. Submitted *Soil & Groundwater Investigation and First Quarter 2011 Monitoring Report*.
2. No environmental work was for 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:	MW-1 through MW-3 and MW-8 through MW-19	(1Q & 3Q)
Groundwater sample collection:	MW-1, MW-3, MW-10, MW-16, Mw-17, and MW-18 MW-2, MW-8, MW-9, MW-14, MW-15, and MW-19	(1Q & 3Q) (3Q)
Biodegradation indicator parameter monitoring:	None	

QUARTERLY RESULTS SUMMARY:

LNAPL

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

Groundwater Elevation and Gradient:

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

Laboratory Analytical Data

Summary:	No environmental work was conducted for Second Quarter 2011.
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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 *Soil & Groundwater Investigation and First Quarter 2011 Monitoring Report* (BAI, 04/06/11). Based on the results obtained during the recent soil and groundwater investigation and previous investigations, BAI recommended that investigation results be reviewed by BP's Remediation Management Group to schedule a Dual-Phase Extraction Pilot Test and/or Enhanced Bioremediation Pilot Test to determine the most appropriate remedial technology for Station #601. At this time BP and BAI are awaiting written approval of recommendations presented in the *Soil & Groundwater Investigation and First Quarter 2011 Monitoring Report* from ACEH before proceeding.

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 #601, 712 Lewelling Boulevard, San Leandro, California
- Drawing 4: Groundwater Elevation Contours and Analytical Summary Map, February 18, 2011, Station #601, 712 Lewelling Boulevard, San Leandro, California

LIST OF COMMONLY USED ACCRONYMS/ABBREVIATIONS:

- ACEH: Alameda County Environmental Health
- BAI: Broadbent & Associates, Inc.
- BTEX: Benzene, Toluene, Ethylbenzene, Total Xylenes
- ft/ft: feet per foot
- gal: gallons
- LNAPL: Light Non-Aqueous Phase Liquid
- TOC: Top of Casing

DRAWINGS

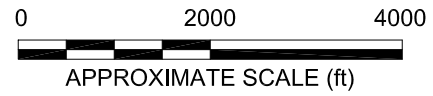
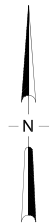
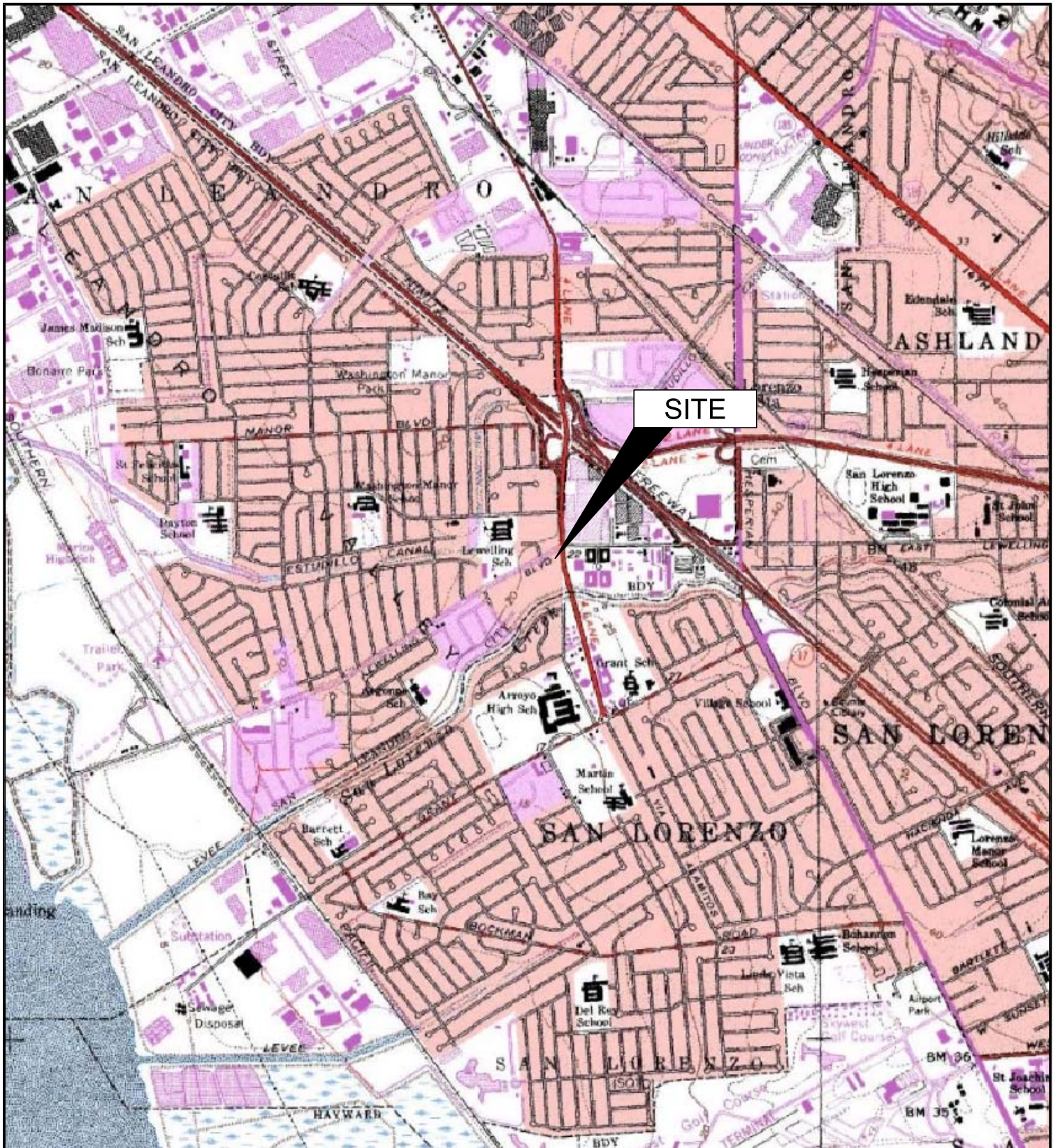


IMAGE SOURCE: USGS

FORMER SHELL
STATION #129460

S-10
13.82*
<50
<0.50
NS
A(1)

S-8
14.24*
77
<0.50
NS
SA(1,3)

S-11
NG

S-12
NG

S-14
NG

MW-17
17.09
9,400
58
<10
SA(1,3)

MW-2
17.16
NS
NS
NS
A(3)

MW-18
17.10
360
<0.50
3.8
SA(1,3)

MW-13
17.73
GO

MW-11
17.21
GO

S-13
13.66*
<50
<0.50
NS
A(1)

MW-16
17.29*
1,100
6.1
<0.50
SA(1,3)

MW-4
16.43*
GO

MW-5
17.10
GO

MW-6
17.18
GO

MW-1
17.44
7,900
11
<2.0
SA(1,3)

MW-12
17.52
GO

MW-3
17.60*
29,000
<25
<25
SA(1,3)

SB-1**
NG
19,000
120
<50
-

SB-2**
NG
140,000
380
<12
-

SB-3**
NG
9,400
2.5
2.1
--

SB-4**
NG
12,000
<2.0
2.2
-

MW-8
17.00
NS
NS
NS
A(3)

B-1
SG-12
SG-13
HP-1

SG-14

MW-19
17.59
NS
NS
NS
A(3)

MW-9
16.80
NS
NS
NS
A(3)

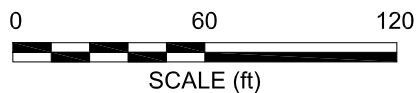
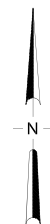
MW-10
17.09
<50
<0.50
1.7
SA(1,3)

MW-14
17.63
NS
NS
NS
A(3)

LEGEND

- ⊕ Monitor Well Location
- Soil-Gas Boring/Temporary Vapor Implant Location
- ⊖ Soil Vapor Extraction Well Location
- ⊗ Hydropunch Location
- ⊙ Grab-Groundwater Sample Location
- Groundwater Elevation Contour (Feet Above Site Datum)
- Groundwater Flow Direction and Gradient (ft/ft)
- * Elevation Not Used in Contouring
- ** Sampled on 3/9/2011

WELL	Well Designation
ELEV	Groundwater Elevation (ft)
GRO	GRO, Benzene, and MTBE Concentrations (µg/L)
BZ	
MTBE	
A/SA	Sampling Frequency
A(1)	Sampled Annually, 1st Quarter
A(3)	Sampled Annually, 3rd Quarter
SA(1,3)	Sampled Semi-Annually, 1st and 3rd Quarter
GO/NG	Gauge Only/Not Gauged
NM/NS	Not Monitored/Not Sampled



NOTE: SITE MAP ADAPTED FROM DELTA ENVIRONMENTAL FIGURES.
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.