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Atlantic Richfield Company

Shannon Couch Environmental Business Manager

PO Box 1257 San Ramon, CA 94583 Phone: (925) 275-3804 Mobile: (510) 798-8314 E-Mail: Shannon.Couchl@bp.com

July 9, 2013

Re: Second Quarter 2013 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 Environmental Business Manager

Attachment:





July 9, 2013

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 2013 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 2013 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 2013. 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.

alex that

Alexander J. Martinez Senior Staff Geologist

Kristene Tidwell, P.G., C.Hg.

Senior Geologist

Enclosures

cc: Ms. Dilan Roe, 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

DWELL 969

SECOND QUARTER 2013 STATUS REPORT STATION #2111, SAN LEANDRO, CALIFORNIA

Broadbent & Associates, Inc. (Broadbent) is pleased to present this *Second Quarter 2013 Status Report* on behalf of Atlantic Richfield Company (ARC, 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:	Station #2111 / 1156 Davis Street, San Leandro, California		
Client Project Manager / Title:	Ms. Shannon Couch, Remediation Management Project Manager		
Broadbent Contact:	Kristene Tidwell, P.G., C.Hg., (707) 455-7290		
Broadbent Project No.:	06-88-615		
Primary Regulatory Agency / ID No.:	Alameda County Environmental Health (ACEH)/ Case #RO0000494		
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 2013):

- 1. Submitted First Quarter 2013 Monitoring Report on April 30, 2013 (Q1 GWM Report).
- 2. No environmental field activities were conducted for Second Quarter 2013.
- 3. Submitted an Addendum to the Revised Soil & Groundwater Investigation Work Plan on June 19, 2013.

WORK SCHEDULED FOR NEXT QUARTER (Third Quarter 2013):

- 1. Submit Second Quarter 2013 Status Report (contained herein).
- 2. Conduct Third Quarter 2013 groundwater monitoring and sampling event.
- 3. Conduct work presented in the Work Plan Addendum submitted June 19, 2013.

GROUNDWATER MONITORING PLAN SUMMARY:

Groundwater level gauging:	MW-1 through MW-8	(1Q & 3Q)
Groundwater sample collection:	MW-1 through MW-5, MW-7 and	
	MW-8	(1Q & 3Q)
	MW-6	(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 Gradien	t:	_
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 field activities were conducted during Second Quarter 2013.

DISCUSSION:

No environmental field work was conducted by Broadbent at the Site during the Second Quarter of 2013. The most recent groundwater monitoring/sampling occurred during the First Quarter 2013, the results of which are contained within the Q1 GWM Report. Currently, reevaluation to the scope of a potential offsite investigation is being evaluated in order to expedite activities. Access to one property has as of yet not been obtained, despite repeated efforts. An addendum to *the Revised Soil & Groundwater Investigation Work Plan* was submitted on June 19, 2013. A site location map is presented as Drawing 1 and a groundwater elevation and analytical summary map from the most recent first quarter monitoring and sampling event 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 TestAmerica Laboratories, Inc. (Irvine, 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 7, 2013, Station #2111, 1156 Davis Street, San Leandro, California

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



