# 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

July 9, 2013

Re: Second Quarter 2013 Status Report Atlantic Richfield Company Station #374 6407 Telegraph Avenue, Oakland, California ACEH Case #RO0000078

"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



**RECEIVED** 

By Alameda County Environmental Health at 2:15 pm, Jul 29, 2013



July 9, 2013

Project No. 06-88-602

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 #374, 6407 Telegraph Avenue, Oakland, Alameda County, California ACEH Case #RO0000078

Dear Ms. Couch:

Attached is the *Second Quarter 2013 Status Report* for Atlantic Richfield Company Station #374 located at 6407 Telegraph Avenue, Oakland, 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.

James Ramos, EIT Senior Staff Engineer

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

enclosures



cc: Ms. Dilan Roe, Alameda County Environmental Health (submitted via ACEH ftp site) Electronic copy uploaded to GeoTracker

## SECOND QUARTER 2013 STATUS REPORT ATLANTIC RICHFIELD COMPANY STATION #374 OAKLAND, 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 #374 located in Oakland, Alameda County, California (Site). 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.

Station #374 / 6407 Telegraph Avenue, Oakland, California		
Ms. Shannon Couch, Remediation Management Project Manager		
Kristene Tidwell, P.G., C.Hg. (707) 455-7290		
06-88-602		
ACEH / Case #RO0000078		
Monitoring		
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 26, 2013 (Q1 GWM Report).
- 2. Submitted Addendum to the Soil Vapor Investigation Work Plan dated June 19, 2013 (Work Plan).
- 3. No environmental field activities were conducted during the Second Quarter 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. Cary out scope of work in *Soil Vapor Investigation Work Plan* upon approval.

## **GROUNDWATER MONITORING PLAN SUMMARY:**

Groundwater level gauging: Groundwater sample collection:	MW-1 through MW-9 MW-1, MW-2, MW-4, MW-7, MW-8 and MW-9	(1Q & 3Q) (1Q & 3Q)
	MW-3, MW-5 and 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 activities were conducted by Broadbent at the Site during the Second Quarter of 2013. The most recent groundwater monitoring and sampling event occurred during the First Quarter of 2013, the results of which are contained within the Q1 GWM Report. A *Soil Vapor Investigation Work Plan* dated November 20, 2012 was submitted during the Second quarter and on January 28, 2013, Broadbent and ACEH conducted a teleconference call to discuss ACEH's comments on the work plan. An addendum to the work plan addressing ACEH's comments was submitted June 19, 2013 and is pending review. A site location map is presented as Drawing 1 and a groundwater elevation and analytical summary map from the most recent Third Quarter 2013 monitoring and sampling event is presented 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 #374, 6407 Telegraph Avenue, Oakland, California
- Drawing 2: Groundwater Elevation Contours and Analytical Summary Map, February 14, 2013, Station #374, 6407 Telegraph Avenue, 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 <sub>3</sub> :	Nitrate as Nitrogen
DRO:	Diesel-Range Organics	ppb:	parts per billion
EDB:	1,2-Dibromomethane	SO <sub>4</sub> :	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 <sup>2+</sup> :	Ferrous Iron	μg/L:	Micrograms per liter

DRAWINGS



