

Chuck Carmel

Remediation Management Project Manager

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By Alameda County Environmental Health at 10:58 am, Aug 01, 2014

July 30, 2014

Re: Second Quarter 2014 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.

RECEIVED

Submitted by,

a

Chuck Carmel Remediation Management Project Manager

Attachment





July 30, 2014

Project No. 06-88-605

Atlantic Richfield Company P.O. Box 1257 San Ramon, CA 94583 Submitted via ENFOS

Attn.: Mr. Chuck Carmel

Re: Second Quarter 2014 Status Report, Atlantic Richfield Company Station No. 601, 712 Lewelling Boulevard, San Leandro, Alameda County, California; ACEH Case #RO0000309

Dear Mr. Carmel:

Attached is the *Second Quarter 2014 Status Report* for Atlantic Richfield Company Station No. 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 2014. 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. Kristene Tidwell, P.G., C.HG. Senior Hydrogeologist

enclosures

cc: Mr. Jerry Wickham, 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 2014 STATUS REPORT STATION No. 601, SAN LEANDRO, CALIFORNIA

Broadbent & Associates, Inc. (Broadbent) is pleased to present this *Second Quarter 2014 Status Report* on behalf of Atlantic Richfield Company (a BP affiliated company) for Station No. 601 located in San Leandro, 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.

Facility Name / Address:	Station No. 601 / 712 Lewelling Boulevard, San Leandro, California	
Client Project Manager / Title:	Mr. Chuck Carmel, Remediation Management Project Manager	
Broadbent Contact:	Kristene Tidwell, P.G., C.Hg., (707) 455-7290	
Broadbent 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 2014):

- 1. Submitted First Quarter 2014 Monitoring Report on April 30, 2014 (Q3 GWM Report).
- 2. Carried out soil vapor investigation as approved by the ACEH on April 22, 2014.
- 3. No environmental field activities were conducted for Second Quarter 2014.

WORK SCHEDULED FOR NEXT QUARTER (Third Quarter 2014):

- 1. Submit Second Quarter 2014 Status Report (contained herein).
- 2. Conduct Third Quarter 2014 groundwater monitoring and sampling event.

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	(1Q & 3Q)
	MW-2, MW-8, MW-9, MW-14, MW- 15, and MW-19	(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 2014.

DISCUSSION:

The most recent groundwater monitoring and sampling occurred during the First Quarter of 2014, the results of which are contained within the Q1 GWM Report. Additional soil vapor investigation was conducted April 22, 2014 in accordance with work plan, Additional Soil Vapor Sampling requested by the ACEH on February 12, 2014 and approved by the ACEH on February 20, 2014. A Case Closure Request Addendum was recently submitted and currently groundwater monitoring is suspended for this Site per ACEH approval.

A site location map is presented as Drawing 1 and a groundwater elevation and analytical summary map from the most recent first quarter 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
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Drawing 2: Groundwater Elevation Contours and Analytical Summary Map, January 28, 2014.

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 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



