

Atlantic Richfield Company

Chuck Carmel

Remediation Management Project Manager

RECEIVED

By Alameda County Environmental Health at 11:04 am, Aug 01, 2014

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San Ramon, CA 94583
Phone: (925) 275-3804
Mobile: (510) 798-8314
E-Mail: chuck.carmel@bp.com

July 30, 2014

Re: Second Quarter 2014 Monitoring 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,



Chuck Carmel

Remediation Management Project Manager

Attachment:



4820 Business Center Drive, Suite 110
Fairfield, CA 94534
[T] 707-455-7290 [F] 707-863-9046
broadbentinc.com

Creating Solutions. Building Trust.

July 30, 2014

Project No. 06-88-615

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

Attn.: Mr. Chuck Carmel

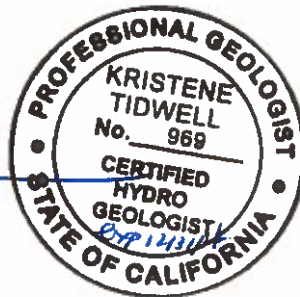
Re: Second Quarter 2014 Status Report, Atlantic Richfield Company Station No. 2111,
1156 Davis Street, San Leandro, Alameda County, California; ACEH Case #RO0000494

Dear Mr. Carmel:

Attached is the *Second Quarter 2014 Status Report* for Atlantic Richfield Company Station No. 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 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 Environmental Services Division, 835 East 14th
Street, San Leandro, California 945977 (Submitted via Geo Tracker)
Electronic copy uploaded to GeoTracker

**SECOND QUARTER 2014
STATUS REPORT
STATION No. 2111, SAN LEANDRO, CALIFORNIA**

Broadbent & Associates, Inc. (Broadbent) is pleased to present this *Second Quarter 2014 Status Report* on behalf of Atlantic Richfield Company (ARC, a BP affiliated company) for Station No. 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 No. 2111 / 1156 Davis Street, 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.:	06-88-615
Primary Regulatory Agency / ID No.:	Alameda County Environmental Health (ACEH)/ Case #RO0000494
Current phase of project:	Decommissioning
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 January 31, 2014 (Q1 GWM Report).
2. Well decommissioning was carried out June 10 through 13, 2014, in response to a letter from ACEH that approved Site for decommissioning on May 13, 2014.

WORK SCHEDULED FOR NEXT QUARTER (Third Quarter 2014):

1. Submit *Second Quarter 2014 Status Report* (contained herein).
2. Prepare and submit Well Abandonment Report to ACEH.

GROUNDWATER MONITORING PLAN SUMMARY:

Groundwater level gauging:	Suspended	Decommissioned
Groundwater sample collection:	Suspended	Decommissioned
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 groundwater sampling activities were conducted during Second Quarter 2014.
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DISCUSSION:

Broadbent recently completed the scope of work outlined in the *Soil and Groundwater Investigation, Updated Conceptual Site Model, First Quarter 2014 Groundwater Monitoring and Sampling Report and Case Closure Request.*, submitted on January 31, 2014. Upon receipt of Case Closure Approval by ACEH on May 15, 2014, Broadbent carried out monitoring well decommissioning field activities between June 10 through 13, 2014. A report documenting these recent field activities is currently being prepared and will be submitted to ACEH. A site location map is presented as Drawing 1.

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
Drawing 2: Decommissioned Monitoring Well Summary Map, June 13, 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

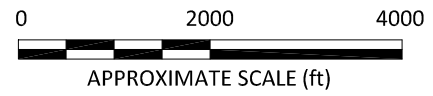
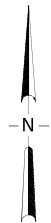
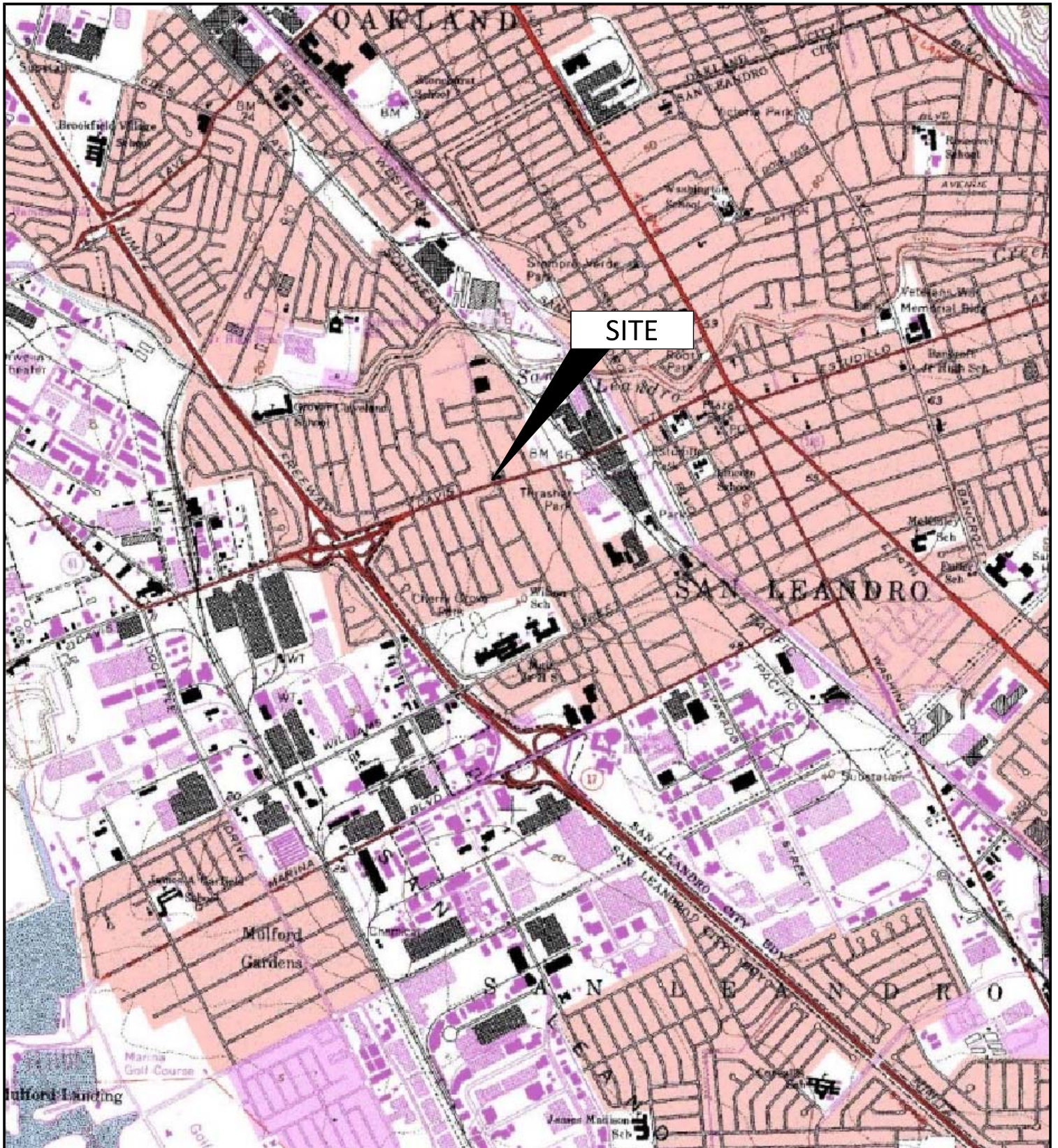


IMAGE SOURCE: USGS



1324 Mangrove Ave., Suite 212
Chico, California 95926

Project No.: 06-88-615 Date: 9/13/2013

Station No.2111
1156 Davis Street
San Leandro, California

Site Location Map

Drawing

1