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By Alameda County Environmental Health at 3:56 pm, Feb 03, 2014

## Atlantic Richfield Company

**Chuck Carmel**  
Project Manager

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January 27, 2014

Re: Fourth Quarter 2013 Status Report  
Atlantic Richfield Company Station #6113  
785 East Stanley Boulevard, Livermore, California  
ACEH Case #RO0000393

"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  
Project Manager

Attachment



**BROADBENT**

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broadbentinc.com

**CREATING SOLUTIONS. BUILDING TRUST.**

January 27, 2014

Project No. 06-82-637

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

Attn.: Mr. Chuck Carmel

Re: Fourth Quarter 2013 Status Report, Atlantic Richfield Company Station #6113  
785 East Stanley Blvd, Livermore, California; ACEH Case #RO0000393

Dear Mr. Carmel:

Provided herein is the *Fourth Quarter 2013 Status Report* for Atlantic Richfield Company (a BP affiliated company) Station #6113 located at 785 East Stanley Blvd., Livermore, Alameda County, California (Site). This report presents a summary of current developments regarding the Site through the Fourth Quarter 2013.

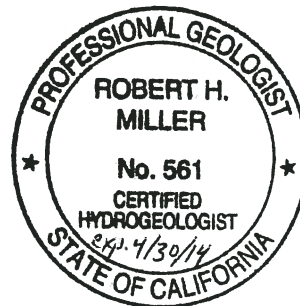
Should you have questions regarding this submission, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

BROADBENT & ASSOCIATES, INC.

Jason Duda  
Project Scientist

Robert H. Miller, P.G., C.HG.  
Principal Hydrogeologist



Enclosures

cc: Mr. Jerry Wickham, ACEH (Submitted via ACEH ftp Site)  
Mr. Paul M. Smith/Ms. Danielle Stefani, Livermore-Pleasanton Fire Department  
(submitted via GeoTracker)  
Electronic copy uploaded to GeoTracker

**FOURTH QUARTER 2013  
STATUS REPORT  
STATION #6113, LIVERMORE, CA**

Broadbent & Associates, Inc. (Broadbent) is pleased to present this *Fourth Quarter 2013 Status Report* on behalf of Atlantic Richfield Company (a BP affiliated company) for Station #6113 located in Livermore, Alameda County, California. Quarterly reporting is being submitted to the Alameda County Environmental Health Services Agency (ACEH) consistent with their requirements under the legal authority of the California Regional Water Quality Control Board as codified by California Code of Regulations Title 23, Section 2652(d). A summary description of current developments regarding the site is provided below.

Facility Name / Address:	Station #6113 / 785 East Stanley Boulevard, Livermore, CA
Client Project Manager / Title:	Mr. Chuck Carmel / Project Manager
Broadbent Contact:	Jason Duda, (530) 566-1400
Broadbent Project No.:	06-82-637
Primary Regulatory Agency / ID No.:	ACEH, Case #RO0000393
Current phase of project:	Closure
List of Acronyms / Abbreviations:	See end of report text for list of acronyms/abbreviations used in report.

**WORK PERFORMED THIS QUARTER (Fourth Quarter 2013):**

1. Prepared and submitted the *Third Quarter 2013 Status Report* (Broadbent, 10/25/2013).
2. No environmental field work was conducted at the Site during Fourth Quarter 2013.

**WORK PROPOSED FOR NEXT QUARTER (First Quarter 2014):**

1. Prepared and submitted this *Fourth Quarter 2013 Status Report* (contained herein).
2. Prepare for and conduct well abandonment activities.

**GROUNDWATER MONITORING PLAN SUMMARY:**

Groundwater level gauging:	Suspended due to closure
Groundwater sample collection:	Suspended due to closure
Biodegradation indicator parameter monitoring:	NA

**DISCUSSION:**

For reference, a Site Location Map is provided as Drawing 1. Provided as Drawing 2 is the Groundwater Elevation Contour and Analytical Summary Map from the *Second Quarter 2013 Semi-Annual Groundwater Monitoring Report* (Broadbent, 7/26/2013) for groundwater monitoring/sampling conducted on April 9-10, 2013.

A letter from ACEH was received on October 23, 2013 stating that the case is pending closure following public notification and a comment period, which ended on January 13, 2014. As such, groundwater monitoring and sampling has been suspended. Well abandonment activities are anticipated to be completed during First Quarter 2014 following receipt of an official no further action letter.

**ATTACHMENTS:**

- Drawing 1      Site Location Map, Station #6113, 785 East Stanley Boulevard, Livermore, California
- Drawing 2.      Groundwater Elevation Contour and Analytical Summary Map, April 9-10, 2013,  
Station #6113, 785 East Stanley Boulevard, Livermore, California

**LIST OF COMMONLY USED ACCRONYMS/ABBREVIATIONS:**

ACEH:	Alameda County Environmental Health	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
ft/ft:	feet per foot		

## **DRAWINGS**

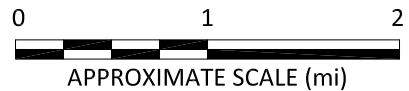
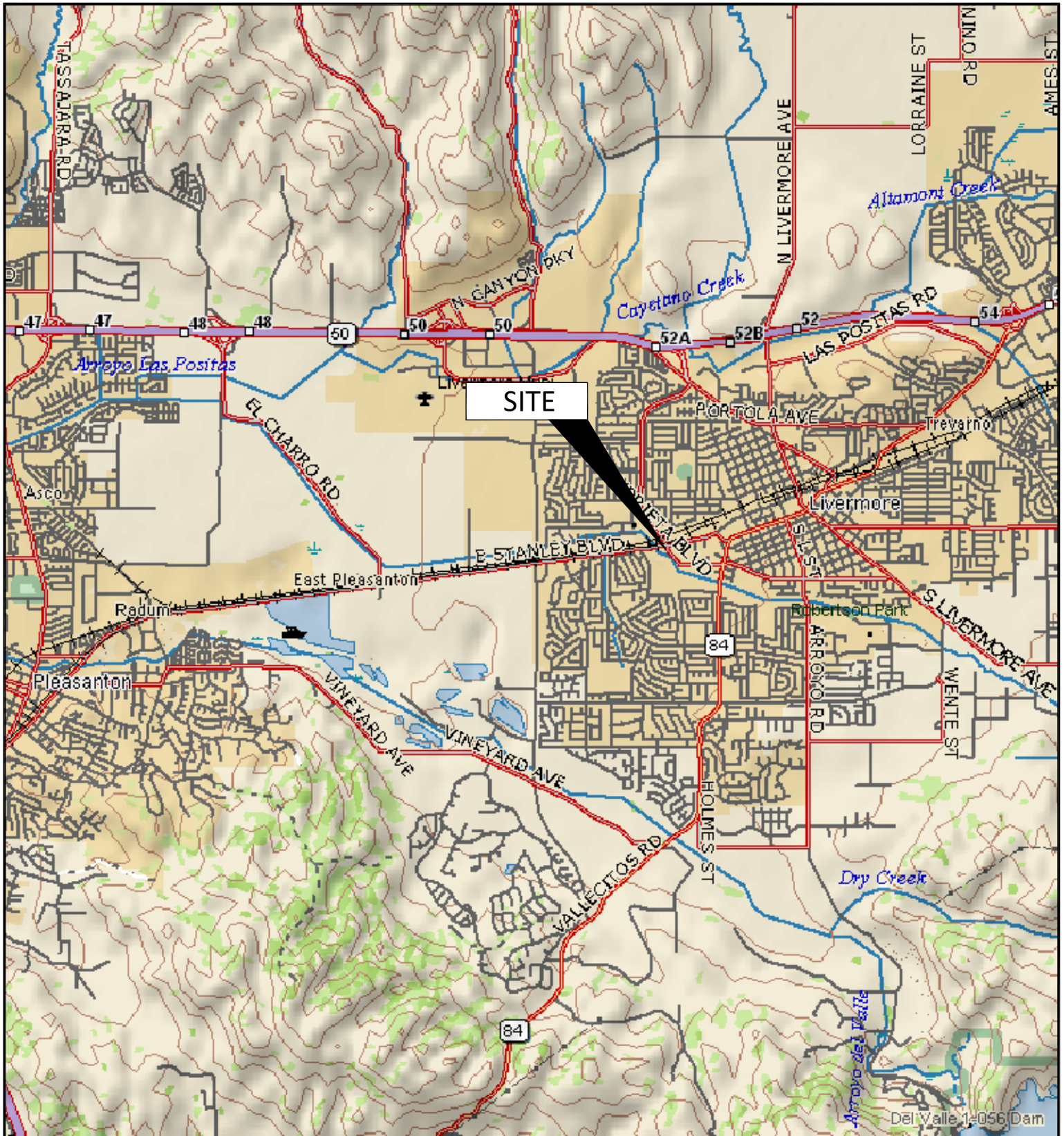


IMAGE SOURCE: DELORME

