

Atlantic Richfield Company

Shannon Couch
Project Manager

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RECEIVED

10:08 am, Apr 30, 2012

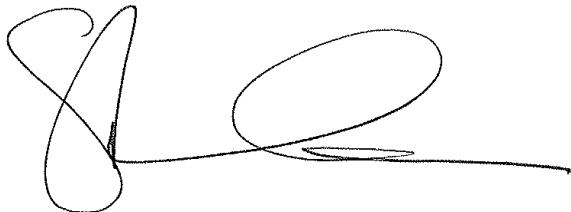
Alameda County
Environmental Health

April 13, 2012

Re: First Quarter 2012 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,



Shannon Couch
Project Manager

Attachment



**FIRST QUARTER 2012 STATUS REPORT
Atlantic Richfield Company Station #6113
785 East Stanley Blvd.
Livermore, Alameda County, California**

Prepared for:

Ms. Shannon Couch
Atlantic Richfield Company
P.O. Box 1257
San Ramon, CA 94583

Prepared by:

Broadbent & Associates, Inc.
1324 Mangrove Avenue, Suite 212
Chico, California 95926
(530) 566-1400

April 13, 2012

No. 06-82-637



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Creating Solutions. Building Trust.

April 13, 2012

Project No. 06-82-637

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

Attn.: Ms. Shannon Couch

Re: First Quarter 2012 Status Report, Atlantic Richfield Company Station #6113
785 East Stanley Blvd, Livermore, California; ACEH Case #RO0000393

Dear Ms. Couch:

Provided herein is the *First Quarter 2012 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 First Quarter 2012.

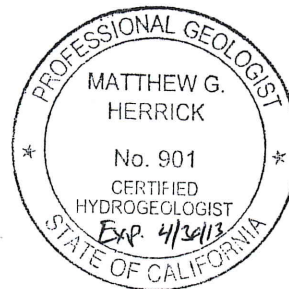
Should you have questions regarding this submission, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

BROADBENT & ASSOCIATES, INC.

Jason Duda
Project Scientist

Matthew G. Herrick, P.G., C.HG.
Senior Hydrogeologist



Enclosures

cc: Ms. Dilan Roe, 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

**FIRST QUARTER 2012
STATUS REPORT
STATION #6113, LIVERMORE, CA**

Broadbent & Associates, Inc. (Broadbent) is pleased to present this *First Quarter 2012 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:	Ms. Shannon Couch / 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:	Monitoring
List of Acronyms / Abbreviations:	See end of report text for list of acronyms/abbreviations used in report.

WORK PERFORMED THIS QUARTER (First Quarter 2012):

1. Prepared and submitted the *Fourth Quarter 2011 Semi-Annual Groundwater Monitoring Report* (Broadbent, 1/27/2012).
2. No environmental work was conducted at the Site during First Quarter 2012.

WORK PROPOSED FOR NEXT QUARTER (Second Quarter 2012):

1. Prepared and submitted this *Fourth Quarter 2011 Status Report* (contained herein).
2. Conduct semi-annual groundwater monitoring/sampling for Second Quarter 2012.

GROUNDWATER MONITORING PLAN SUMMARY:

Groundwater level gauging:	MW-2, MW-4, MW-7, MW-9, (2Q & 4Q) MW-11, MW-12, RMW-13, VW-1, VW-2, and VW-4
Groundwater sample collection:	MW-2, MW-4, MW-7, MW-9, (2Q & 4Q) MW-11, MW-12, RMW-13, VW-1, VW-2, and VW-4
Biodegradation indicator parameter monitoring:	NA

DISCUSSION:

No environmental field activities took place at the Site during First Quarter 2012. 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 *Fourth Quarter 2011 Semi-Annual Groundwater Monitoring Report* (Broadbent, 1/27/2012) for groundwater monitoring/sampling conducted on October 20, 2011. The next semi-annual groundwater monitoring and sampling event is scheduled to be conducted during the Second Quarter 2012.

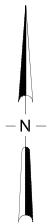
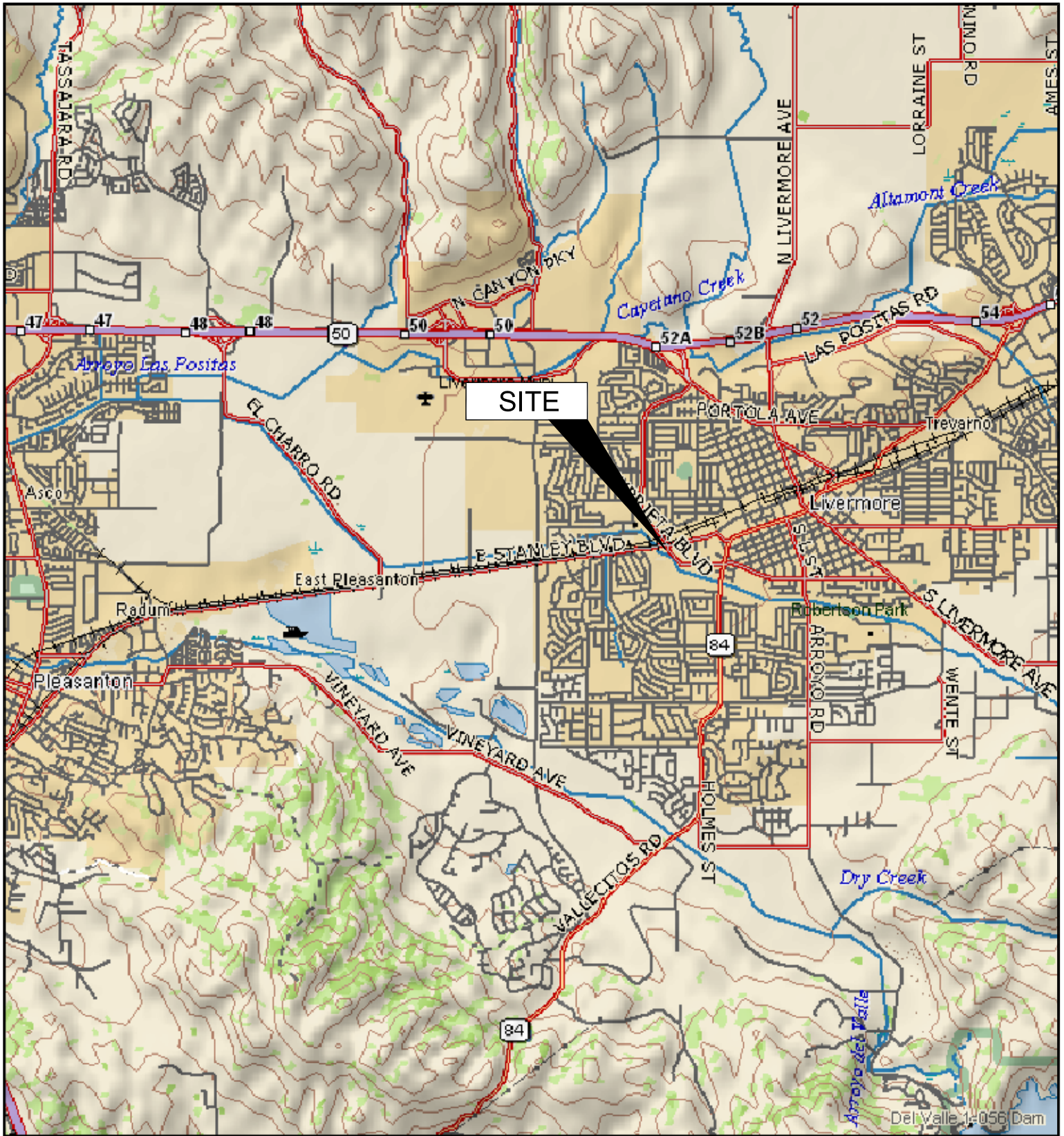
The *Work Plan to Conduct a Mobile Dual-Phase Extraction Event* was submitted to ACEH on March 7, 2011. Upon receipt of approval from ACEH regarding this Work Plan, preparation and conduct of a mobile dual-phase extraction event will commence.

ATTACHMENTS:

- Drawing 1 Site Location Map, Station #6113, 785 East Stanley Boulevard, Livermore, California
- Drawing 2. Groundwater Elevation Contour and Analytical Summary Map, October 20, 2011,
Station #6113, 785 East Stanley Boulevard, Livermore, California

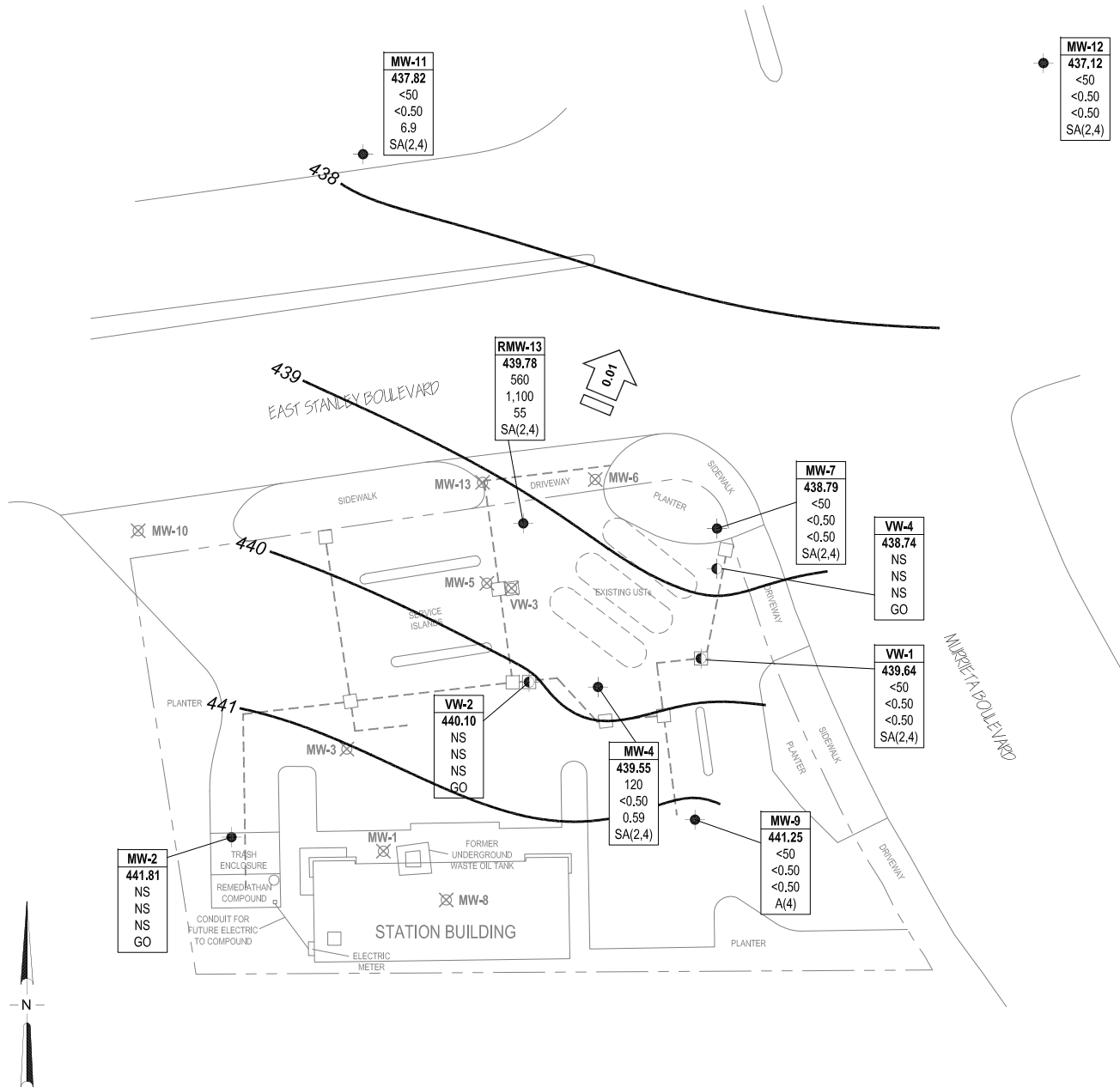
LIST OF COMMONLY USED ACCRONYMS/ABBREVIATIONS:

ACEH:	Alameda County Environmental Health	gal:	Gallons
BTEX:	Benzene, Toluene, Ethylbenzene, Total Xylenes	GRO:	Gasoline-Range Organics
1,2-	1,2-Dichloroethane	LNAPL:	Light Non-Aqueous Phase Liquid
DCA:			
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
ft/ft:	feet per foot		



APPROXIMATE SCALE (mi)

IMAGE SOURCE: DELORME



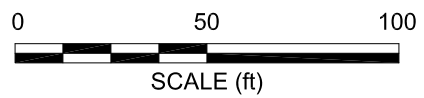
LEGEND

- Monitoring well
- Vapor extraction well
- Abandoned well
- 441 Groundwater elevation contour (ft/MSL)

Well	Well Designation
ELEV	Ground-water Elevation
GRO	GRO, Benzene and MTBE concentration (µg/L)
Benzene	
MTBE	
A/SA	Sampling frequency
A(4)	Sampled annually, 4th quarter
SA(2,4)	Semi-annual sampling, 2nd and 4th quarters
GO	Gauge only
NS	Not Sampled
NS	Not Sampled
NS	Not Sampled
NM	Not Measured
*	Not Used in Contouring

- 0.01 Approximate groundwater flow gradient (ft/ft)
- Vault box
- Piping trench

NOTE: SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.



BROADBENT & ASSOCIATES, INC.
 ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
 1324 Mangrove Ave, Suite 212, Chico, California 95926
 Project No.: 06-82-637 Date: 1/4/2011

Station #6113
 785 East Stanley Boulevard
 Livermore, California

Groundwater Elevation Contour and
 Analytical Summary Map
 October 20, 2011

Drawing
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