

Atlantic Richfield Company

Chuck Carmel

Remediation Management Project Manager

RECEIVED

By Alameda County Environmental Health at 9:47 am, Aug 01, 2014

PO Box 1257
San Ramon, CA 94583
Phone: (925) 275-3804
Fax: (925) 275-3815
E-Mail: chuck.carmel@bp.com

July 30, 2014

Re: Second Quarter 2014 Status Report
Atlantic Richfield Company Station #771
899 Rincon Ave, Livermore, California
ACEH Case #RO00000200

"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. 06-82-608

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. 771, 899
Rincon Avenue, Livermore, California; ACEH Case No. RO0000200

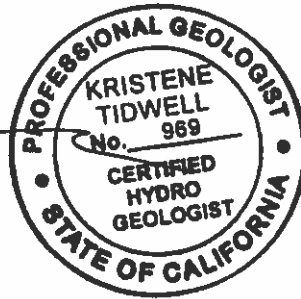
Dear Mr. Carmel:

Provided herein is the *Second Quarter 2014 Status Report* for Atlantic Richfield Company (a BP affiliated company) Station No. 771 located at 899 Rincon Ave., Livermore, Alameda County, California (Site). This report presents a summary of current developments regarding the Site through the Second Quarter 2014.

Should you have questions regarding this submission, please do not hesitate to contact us at (707) 455-7290.

Sincerely,
BROADBENT & ASSOCIATES, INC.


Kristene Tidwell, P.G., C.HG
Senior Hydrogeologist



Enclosure

cc: Mr. Jerry Wickham, Alameda County Environmental Health (Submitted via ACEH ftp site)
Mr. Paul M. Smith, Livermore-Pleasanton Fire Department, 3560 Nevada St.,
Pleasanton, California 94566
Mr. Chuck Headlee, California Regional Water Quality Control Board – San Francisco
Region (Submitted via GeoTracker)
Electronic copy uploaded to GeoTracker

**SECOND QUARTER 2014
STATUS REPORT
STATION NO. 771, LIVERMORE, 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. 771 located in Livermore, Alameda County, California. Reporting is being submitted to Alameda County Environmental Health (ACEH) consistent with the requirements under the legal authority of the California Regional Water Quality Control Board, as codified by the 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 No. 771 / 899 Rincon Avenue, Livermore, California
Client Project Manager / Title:	Mr. Chuck Carmel / Project Manager
Broadbent Contact:	Kristene Tidwell, P.G., C.HG. (707) 455-7290
Broadbent Project No.:	06-82-608
Primary Regulatory Agency / ID No.:	ACEH / Case #RO0000200
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 (Second Quarter 2014):

1. Submitted *First Quarter 2014 Groundwater Monitoring Report* dated April 29, 2014.
2. Received notification for Closure evaluation by the ACEH in a letter dated July 10, 2014.

WORK SCHEDULED FOR NEXT QUARTER (Third Quarter 2014):

1. Conduct well destruction and Site restoration activities per agency closure requirements.
2. Prepare and submit *Second Quarter 2014 Status Report* (contained herein).
3. Prepare Well Destruction Report following well destruction and other closure related activities.

GROUNDWATER MONITORING PLAN SUMMARY:

Groundwater level gauging:	Ceased	(1Q and 3Q)
Groundwater sample collection:	Ceased	(1Q and 3Q)
		(3Q)
Biodegradation indicator parameter monitoring:	NA	

DISCUSSION:

The Site is currently in the public comment period related to site closure, which ends on August 11, 2014. Following the end of this public comment period it is anticipated that a closure letter requesting well destruction will be issued by the ACEH. Site wells will then be decommissioned per county well permitting requirements. Following well decommissioning activities, a well destruction report will be prepared and submitted to the ACEH.

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 *First Quarter 2014 Monitoring Report* (Broadbent, 2014). No additional groundwater monitoring events are scheduled as the Site is in the closure process.

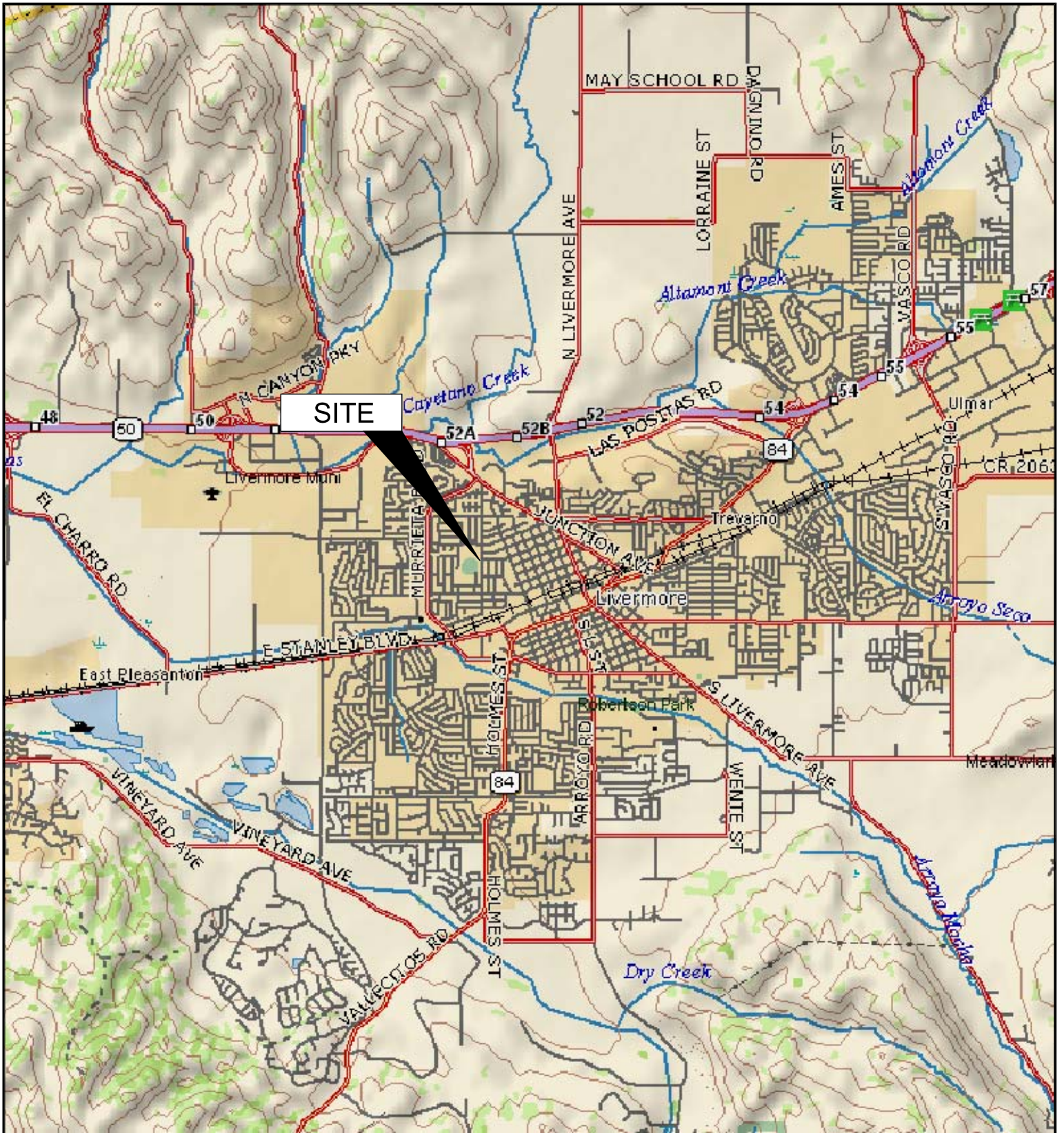
ATTACHMENTS:

- Drawing 1: Site Location Map
Drawing 2: Groundwater Elevation Contour and Analytical Summary Map, April 29, 2014

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 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		

DRAWINGS



APPROXIMATE SCALE (mi)

IMAGE SOURCE: DELORME



1370 Ridgewood Drive, Suite 5
Chico, California 95973

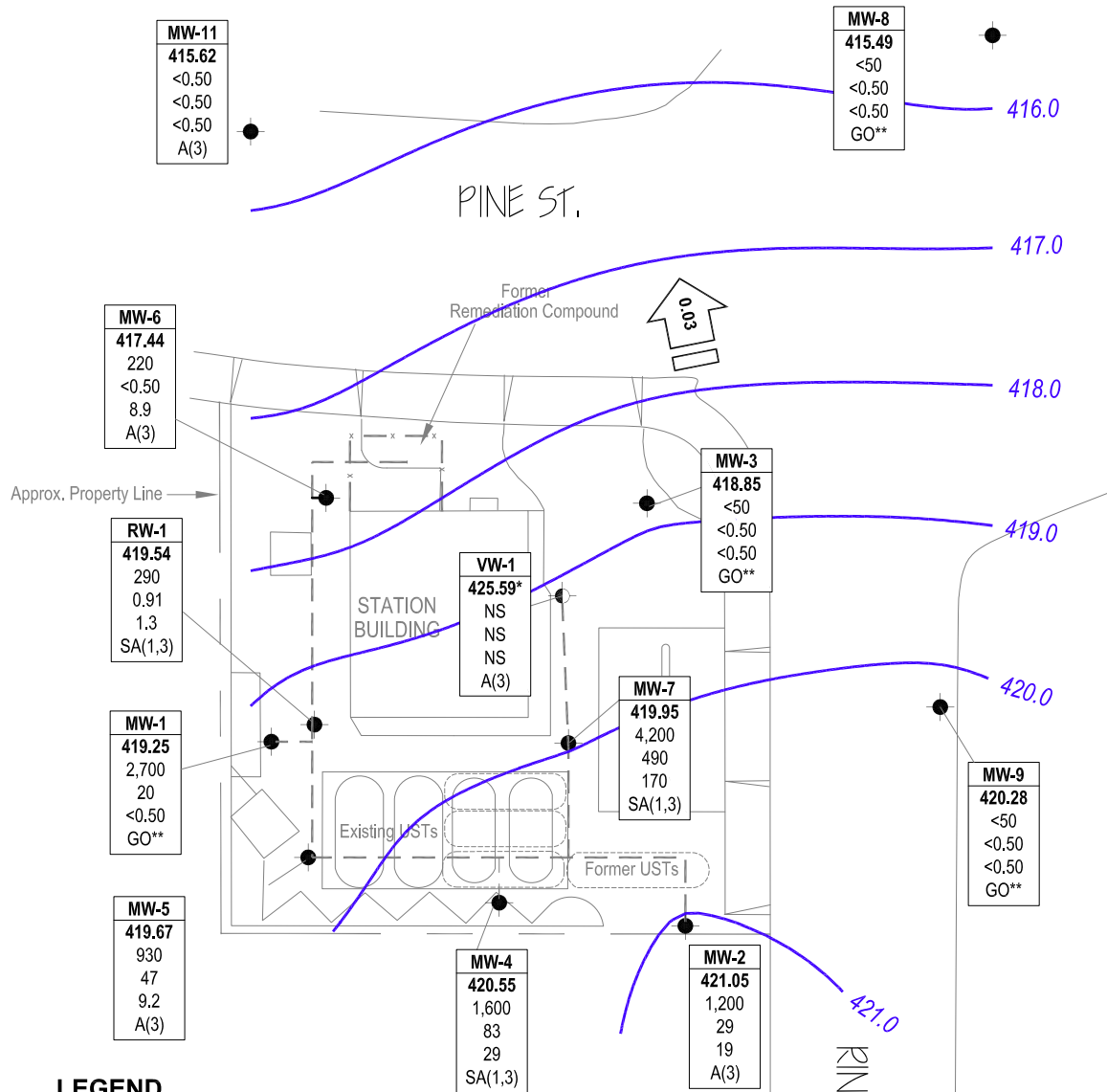
Project No.: 06-82-608 Date: 9/6/2012

Station #771
899 Rincon Avenue
Livermore, California

Site Location Map

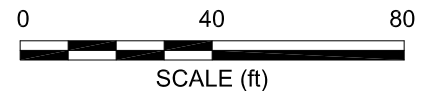
Drawing

1



LEGEND

- Monitoring well location
- Vapor extraction well location
- Well ID — Well designation
- ELEV — Groundwater elevation (ft above MSL)
- GRO — GRO, Benzene & MTBE concentrations (µg/L)
- Benzene
- MTBE
- SA or A — Sampling frequency
- < — Not detected at or above laboratory reporting limits
- * — Not used in contouring
- ** — Sampled during current event
- NG — Not gauged
- NS — Not sampled
- A(3) — Sampled annually during 3rd quarter
- GO — Not sampled, gauged only
- SA(1,3) — Sampled semi-annually, 1st & 3rd quarters
- 421.0 — Groundwater elevation contour (ft above MSL)
- ← 0.03 — Approximate groundwater flow direction and gradient (ft/ft)
- Remediation piping



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