

Atlantic Richfield Company

Chuck Carmel
Environmental Business Manager

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RECEIVED

11:39 am, May 02, 2011

Alameda County
Environmental Health

April 27, 2011

Re: First Quarter 2011 Status Report
Atlantic Richfield Company Service Station #498
286 South Livermore Avenue, Livermore, California
ACEH Case No. RO0002873

"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

FIRST QUARTER 2011 STATUS REPORT
Atlantic Richfield Company Station #498
286 South Livermore Ave., Livermore, California
ACEH Case # RO0002873

Prepared for

Mr. Chuck Carmel
Project Manager
Atlantic Richfield Company
P.O. Box 1257
San Ramon, California 94583

Prepared by



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Chico, California 95926
(530) 566-1400
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April 27, 2011

Project No. 08-82-603

Broadbent & Associates, Inc.
1324 Mangrove Ave., Suite 212
Chico, CA 95926
Voice (530) 566-1400
Fax (530) 566-1401



April 27, 2011

Project No. 08-82-603

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

Attn.: Mr. Chuck Carmel

Re: First Quarter 2011 Status Report, Atlantic Richfield Company Station #498,
286 South Livermore Ave, Livermore, California; ACEH Case #RO0002873

Dear Mr. Carmel:

Provided herein is the *First Quarter 2011 Status Report* for Atlantic Richfield Company (a BP affiliated company) Station #498 located at 286 S. Livermore Ave., Livermore, Alameda County, California (Site). This report presents a summary of current developments regarding the Site through the First Quarter 2011.

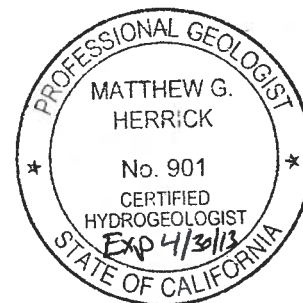
Should you have questions regarding this submission, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

BROADBENT & ASSOCIATES, INC.

Jason Duda
Project Scientist

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



Enclosures

cc: Mr. Paresh Khatri, Alameda County Environmental Health, 1131 Harbor Bay Parkway,
Suite 250, Alameda, CA 84502 (Submitted via ACEH ftp Site)
Electronic copy uploaded to GeoTracker

**FIRST QUARTER 2011
STATUS REPORT
STATION #498, LIVERMORE, CA**

Broadbent & Associates, Inc. (BAI) is pleased to present this *First Quarter 2011 Status Report* on behalf of Atlantic Richfield Company (a BP affiliated company) for ARCO Station #498 located in Livermore, Alameda County, California. 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:	<u>Station #498 / 286 South Livermore Avenue, Livermore, California</u>
Client Project Manager / Title:	<u>Mr. Chuck Carmel / Project Manager</u>
BAI Contact:	<u>Jason Duda, (530) 566-1400</u>
BAI Project No.:	<u>08-82-603</u>
Primary Regulatory Agency / ID No.:	<u>ACEH, Case #RO0002873</u>
Current phase of project:	<u>Monitoring and Off-site Assessment</u>
List of Acronyms / Abbreviations:	<u>See end of report text for list of acronyms/abbreviations used in report.</u>

WORK PERFORMED THIS QUARTER (First Quarter 2011):

1. Prepared and submitted the *Fourth Quarter 2010 Semi-Annual Groundwater Monitoring Report*.
2. No environmental field work was conducted at the Site during the First Quarter 2011.

WORK PROPOSED FOR NEXT QUARTER (Second Quarter 2011):

1. Prepared and submitted this *First Quarter 2011 Status Report* (contained herein).
2. Conduct semi-annual groundwater monitoring/sampling for Second Quarter 2011.
3. Conduct Soil and Ground-Water Investigation upon obtaining off-site property access.

GROUNDWATER MONITORING PLAN SUMMARY:

Groundwater level gauging:	<u>MW-1 through MW-4</u>	(2Q & 4Q)
Groundwater sample collection:	<u>MW-1 through MW-4</u>	(2Q & 4Q)
Biodegradation indicator parameter monitoring:	<u>NA</u>	

DISCUSSION:

No environmental field activities took place at the Site during First Quarter 2011. For reference, a Site Location Map is provided as Drawing 1. Provided as Drawing 2 is the Site Map with Historic Sample and Proposed Well/Boring Locations from the *Soil and Groundwater Investigation Work Plan Addendum* (BAI, 4/12/2010). The next ground-water monitoring and sampling event is scheduled to be conducted during the Second Quarter 2011.

In their letter dated August 12, 2010, ACEH approved the *Soil and Ground-Water Investigation Work Plan Addendum* submitted by BAI on April 12, 2010. Off-site property access is required in order to complete the scope of work detailed in the Work Plan. Contact with the owner of the property located

immediately northwest of the Site has been made. However, a final response granting property access has not yet been received. Further communication with the property owner will be attempted during Second Quarter 2011. In email correspondence dated November 4, 2010, ACEH approved a request to postpone the previous deadline of November 10, 2010 established for the submittal of the Soil and Water Investigation Report until official property access is obtained.

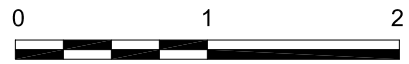
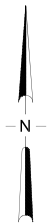
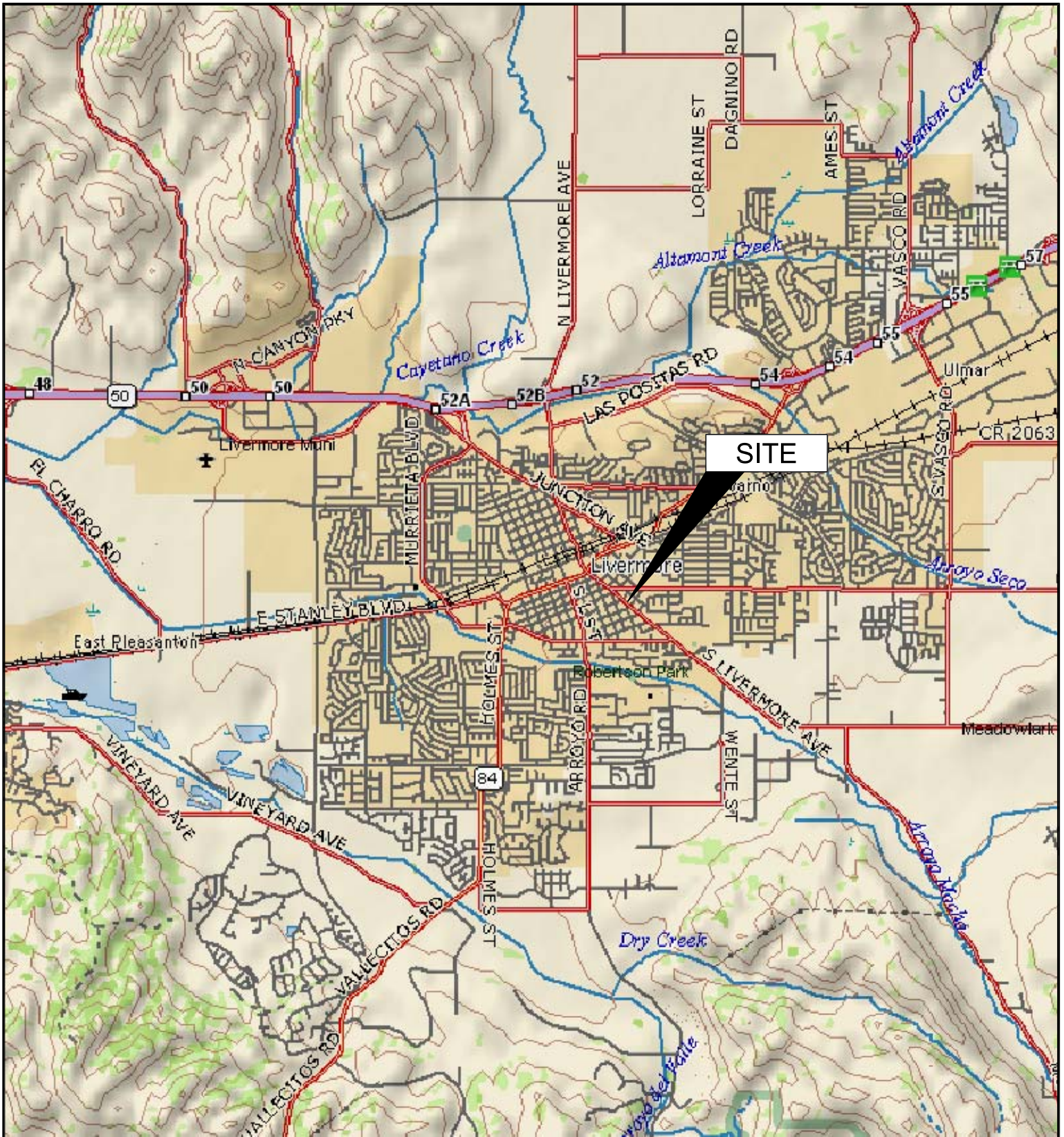
ATTACHMENTS:

- Drawing 1 Site Location Map, Station #498, 286 South Livermore Avenue, Livermore, California

- Drawing 2. Site Map with Historic Sample and Proposed Well/Boring Locations, Station #498, 286 South Livermore Avenue, Livermore, California

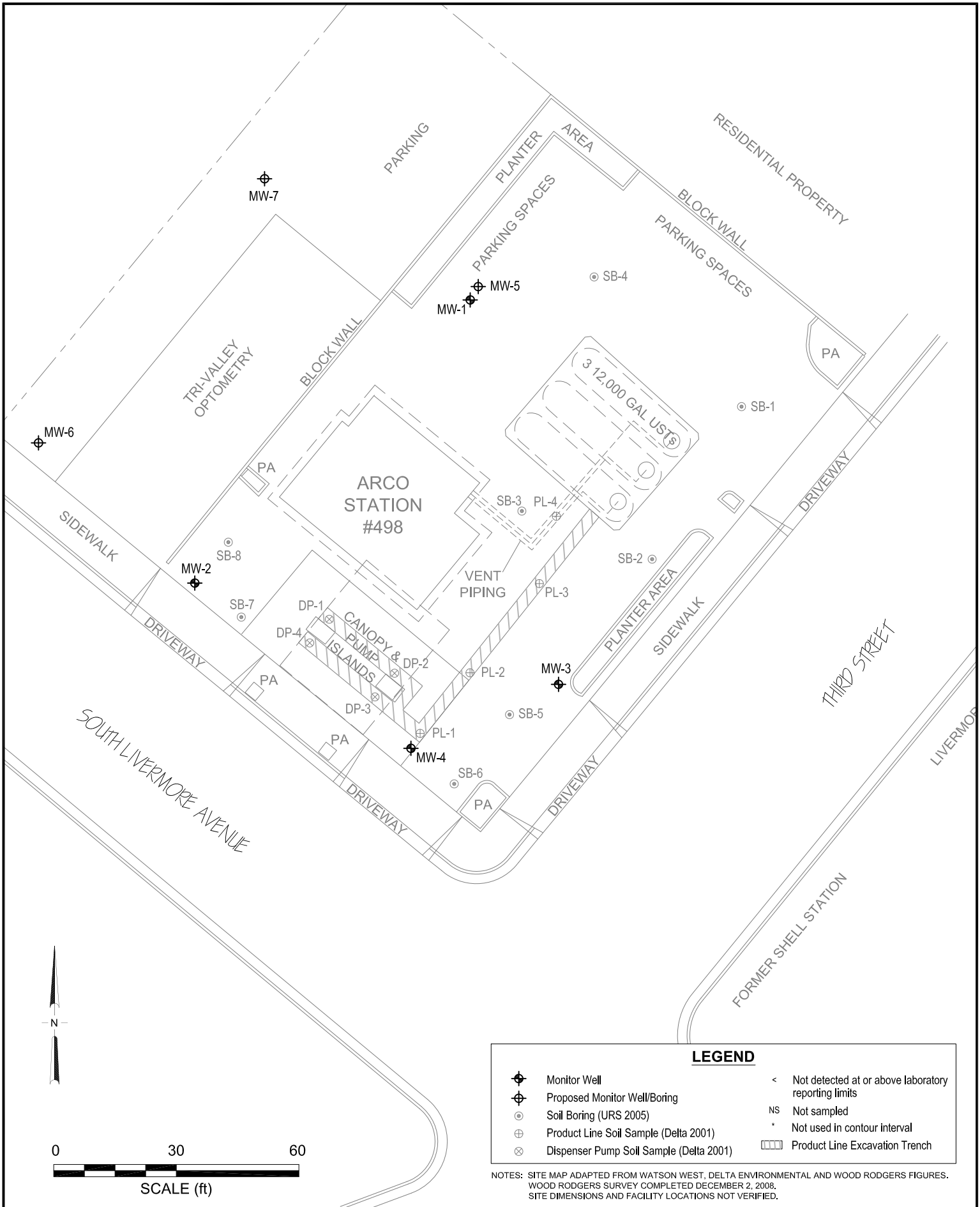
LIST OF COMMONLY USED ACCRONYMS/ABBREVIATIONS:

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



APPROXIMATE SCALE (mi)

IMAGE SOURCE: DELORME



LEGEND

- ⊕ Monitor Well
- ⊕ Proposed Monitor Well/Boring
- ⊙ Soil Boring (URS 2005)
- ⊕ Product Line Soil Sample (Delta 2001)
- ⊗ Dispenser Pump Soil Sample (Delta 2001)
- < Not detected at or above laboratory reporting limits
- NS Not sampled
- * Not used in contour interval
- ▭ Product Line Excavation Trench

NOTES: SITE MAP ADAPTED FROM WATSON WEST, DELTA ENVIRONMENTAL AND WOOD RODGERS FIGURES. WOOD RODGERS SURVEY COMPLETED DECEMBER 2, 2008. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.