



May 2, 2014

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By Alameda County Environmental Health at 3:23 pm, May 02, 2014

Timothy L. Bishop,
P.G.
Project Manager
Marketing Business Unit

**Chevron Environmental
Management Company**
6101 Bollinger Canyon Road
Suite 5213
San Ramon, CA 94583
Tel (925) 790-6463
TimBishop@chevron.com

Mr. Keith Nowell
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RE: Supplemental Data for the Focused Conceptual Site Model

15008 East 14th Street, San Leandro, California
Fuel Leak Case No.: RO0000366

Dear Mr. Nowell,

I declare under penalty of perjury that to the best of my knowledge the information and/or recommendations contained in the attached report is/are true and correct.

If you have any questions or need additional information, please contact me at (925) 790-6463.

Sincerely,

A handwritten signature in blue ink that reads "Tim Bishop".

Timothy Bishop
Union Oil of California – Project Manager

Attachment
Supplemental Data for the Focused Conceptual Site Model Data



ARCADIS U.S., Inc.
 2000 Powell Street
 7th Floor
 Emeryville
 California 94608
 Tel 510.652.4500
 Fax 510.652.4906
www.arcadis-us.com

Mr. Keith Nowell
 Alameda County Department of Environmental Health
 1131 Harbor Bay Parkway, Suite 250
 Alameda, California 94502

Subject:
 Supplemental Data for the Focused Conceptual Site Model
 15008 East 14th Street, San Leandro, California
 Fuel Leak Case No.: RO0000366

ENVIRONMENT

Dear Mr. Nowell:

On behalf of Chevron Environmental Management Company's affiliate, Union Oil Company of California ("Union Oil"), ARCADIS U.S., Inc. (ARCADIS) is pleased to submit supplemental data for the Focused Conceptual Site Model (CSM) for the following facility (site):

Date:
 May 2, 2014

Contact:
 Katherine Brandt

<u>Facility No.</u>	<u>Case No.</u>	<u>Location</u>
3292	RO0000366	15008 East 14th Street San Leandro, California

Phone:
 510.596.9675

Email:
Katherine.Brandt@arcadis-us.com

Alameda County Department of Environmental Health (ACEH), Union Oil, and ARCADIS attended a joint meeting on April 24, 2014 to discuss action items to move this case toward closure. During this meeting, the Focused CSM submitted to the ACEH on March 31, 2014 was reviewed. Union Oil presented supplemental data, including the total purgeable petroleum hydrocarbons (TPPH) plume travel path; TPPH is also referred to as total petroleum hydrocarbons as gasoline (TPHg).

Our ref:
 B0047945

The TPPH plume travel path data are presented on Figure 1. The average and 90th percentile TPPH plume lengths are based on the State Water Resources Control Board's (SWRCB's) Technical Justification for Groundwater Media-Specific Criteria dated April 24, 2012. Using the plume lengths presented in the SWRCB document in conjunction with the rose diagram for groundwater flow direction, an area of potential migration was defined. As shown on Figure 1, there are no known irrigation, domestic, other private-owned, or municipal supply wells within the area of potential migration.

If you have any questions, please contact Katherine Brandt at 510.596.9675.

Sincerely,

ARCADIS



Katherine Brandt
Certified Project Manager



David W. Lay, P.G., C.P.G.
Principal Geologist

Copies:

Mr. Timothy Bishop, Union Oil (electronic copy only)
Netaj LLC, Property Owners

Attachments:

Supplemental Data for the Focused Conceptual Site Model:
Figure 1: Research-Based TPPH Plume Migration Analysis



Imagine the result

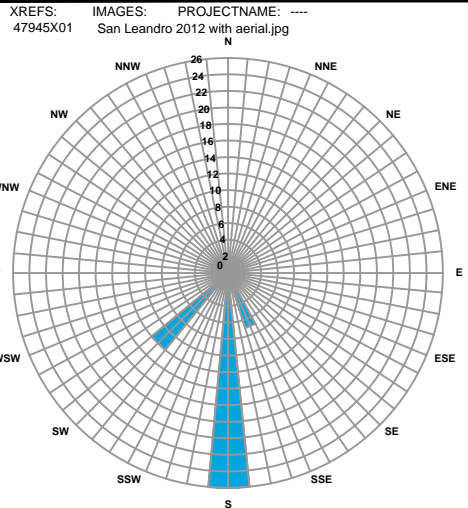
Union Oil Company of California

**Supplemental Data for the Focused
Conceptual Site Model**

15008 East 14th Street, San Leandro, California

Fuel Leak Case No.: RO0000366

May 2, 2014



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., SAN LEANDRO, CALIFORNIA, 2012.



LEGEND

- SITE BOUNDARY
- IRRIGATION WELL
- IRRIGATION AND DOMESTIC WELL
- UNKNOWN WELL DESIGNATION
- - - TPH CONCENTRATION CONTOUR (µg/L)
- TPPH TOTAL PURGEABLE PETROLEUM HYDROCARBONS
- µg/L MICROGRAMS PER LITER
- SOURCE AREA

NOTES:

1. BASE MAP PROVIDED BY CRA, DATED 2/3/2011. BASED ON A MAP PROVIDED BY DELTA ENVIRONMENTAL CONSULTANTS, FIGURE 2, TITLED "SITE MAP", DATED 2/18/2009.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
3. REFERENCE FOR PLUME LENGTH: STATE WATER RESOURCES CONTROL BOARD. 2012. TECHNICAL JUSTIFICATION FOR GROUNDWATER MEDIA-SPECIFIC CRITERIA. APRIL 24.

UNION OIL COMPANY OF CALIFORNIA
 76 SERVICE STATION 35-1565
 15008 EAST 14TH STREET
 SAN LEANDRO, CALIFORNIA

RESEARCH-BASED TPPH PLUME MIGRATION ANALYSIS