



ENVIRONMENTAL HEALTH DEPARTMENT  
ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

October 5, 2011

Mr. Eric Frohnapple  
Chevron Environmental Management  
6111 Bollinger Canyon Rd.  
San Ramon, CA 94583  
(sent via electronic mail to [ericf@chevron.com](mailto:ericf@chevron.com))

Mr. Nisson Saidian  
5733 Medallion Ct.  
P.O. Box 6104  
Castro Valley, CA 94552

Subject: Request for Work Plan, Fuel Leak Case No. RO0000124 (Global ID # T0600102093),  
Chevron #9-9708, 5910 MacArthur Boulevard, Oakland, 94605

Dear Messrs. Frohnapple and Saidian:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above referenced site including the report entitled *Second Semi-Annual 2010 Groundwater Monitoring and Sampling Report*, dated January 20, 2011, and the report entitled *First Semi-Annual 2011 Groundwater Monitoring and Sampling Report*, dated July 25, 2011. Both reports were prepared and submitted on your behalf by Conestoga – Rovers & Associates (CRA).

Based on the review of the case file and the referenced report ACEH requests that you address the following technical comments and send us the documents requested below.

### **TECHNICAL COMMENTS**

- 1. Used Oil UST Characterization and Request for a Work Plan** – Thank you for collecting and submitting groundwater samples for TPHmo and other selected analytes (dissolved metals and PCBs) as previously requested at the site. The analytical results for both dissolved metals and PCBs in well MW-3 located in proximity, but slightly upgradient to the former waste oil UST location, resulted in nondetectable or very low concentrations. However, the analytical results for TPHmo in well MW-3 yielded up to 38,000 µg/l TPHmo (after silica gel cleanup [SGC]), and an increasing trend in the TPHd analytical results, rising from 1,800 µg/l to 19,000 µg/l in a period of approximately one year. Additionally elevated TPHmo concentrations were present, at least periodically, in well MW-4 (low in December 2010 groundwater monitoring event and elevated in June 2011) and in MW-5 (elevated prior to SGC in the December 2010 groundwater monitoring event and nondetectable in June 2011 with SGC). Both wells MW-4 and MW-5 are located in proximity to a culverted portion of Lions Creek, and may have intermediary wells with nondetectable concentrations of TPHmo (the groundwater flow path from well MW-3 may not be through these wells). This has been suggested to indicate concentrations in these wells may not be related to concentrations encountered in well MW-3; however, it can be argued that alternative flow paths may be present that do not transition through these intermediate wells. Regardless, elevated concentrations in well MW-3 indicate the need to laterally delineate soil and groundwater contamination associated with the former waste oil UST, and to identify appropriate mitigation measures. Consequently, by the date identified below, please submit a work plan to undertake such work.

- 2. Request for Well and Preferential Pathway Survey** – To understand potential flow paths at the site ACEH requests a preferential pathway survey. Additionally to help preclude the potential for the use of groundwater offsite, ACEH requests a well survey be conducted.

As noted above, the purpose of the preferential pathway study is to locate potential migration pathways and conduits and determine the probability of a NAPL and/or a groundwater plume encountering preferential pathways and conduits that could spread contamination. ACEH requests that the preferential pathway study details potential migration pathways and potential conduits (wells, utilities, utility laterals, pipelines, and etc.) for both vertical and lateral migration that may be present in the vicinity of the site. ACEH recognizes that a vicinity utility survey has been conducted, but judges it appropriate to extend the survey to utility laterals to the site as laterals can also affect onsite contaminant flow paths.

- a. Utility Survey

An evaluation of all utility lines, utility laterals, and trenches (including sewers, storm drains, pipelines, trench backfill, etc.) within and near the site and plume area(s) is appropriate and required as part of your study. Please synthesize available information and maps, and generate appropriate (vicinity and / or site specific) maps and cross-sections illustrating the location and depth of all utility lines and trenches within and near the site and plume areas(s) as part of your study.

- b. Well Survey

The preferential pathway study is to include a detailed well survey of all wells (monitoring and production wells: active, inactive, standby, decommissioned (sealed with concrete), abandoned (improperly decommissioned or lost); and dewatering, drainage, and cathodic protection wells) within a ¼ mile radius of the subject site. Please use DWR as well as Alameda County Public Works Agency resources. As part of your detailed well survey, please perform a background study of the historical land uses of the site and properties in the vicinity of the site. Use the results of your background study to determine the existence of unrecorded/unknown (abandoned) wells, which can act as contaminant migration pathways at or from your site.

Please submit a preferential pathway study by the date identified below. To help understand the site and vicinity, please also include an extended site map using an aerial photographic base map to depict both the site and vicinity.

- 3. Use of Silica Gel Cleanup** – Silica Gel Cleanup has been used at the site in an attempt to help resolve sources of extractable hydrocarbons (vegetative; polar biogenic material), or to resolve the state of hydrocarbon weathering at the site (degraded; polar hydrocarbon material), but appears to give in part conflicting data. On an interim basis, please continue to use both SGC and non-SCG on laboratory samples when conducting extractable hydrocarbon analysis.
- 4. Electronic Report and Data Upload Compliance** – A review of the case file and the State's Geotracker database indicates that the site is not in full compliance with Geotracker requirements. Pursuant to California Code of Regulations, Title 23, Division 3, Chapter 16, Article 12, Sections 2729 and 2729.1, beginning September 1, 2001, all analytical data, including monitoring well samples, submitted in a report to a regulatory agency as part of the UST or LUST program, must be transmitted electronically to the SWRCB GeoTracker system via the internet. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs, including SLIC programs. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites was required in GeoTracker. At present missing data and documents include, but may not be limited to, older reports, older EDF submittals, older GEO\_WELL

data, and all bore logs. Please upload all submittals to GeoTracker by the date specified below. Electronic reporting is additionally described below in Attachment 1.

### **TECHNICAL REPORT REQUEST**

Please submit the following deliverables and technical reports to ACEH (Attention: Mark Detterman), according to the following schedule:

- **November 18, 2011** – Geotracker Uploads
- **December 16, 2011** – Work Plan with Preferential Pathway Survey
- **January 30, 2012** – Semi-Annual Groundwater Monitoring Report

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

Should you have any questions, please contact me at (510) 567--6876 or send me an electronic mail message at [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org).

Sincerely,

Mark E. Detterman, PG, CEG  
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations  
Electronic Report Upload (ftp) Instructions

cc: Thomas Potter, Arcadis US, Inc, 950 Glenn Drive, Suite 125, Folsom, CA 95630  
(sent via electronic mail to [Thomas.Potter@arcadis-us.com](mailto:Thomas.Potter@arcadis-us.com))

Donna Drogos, ACEH, (sent via electronic mail to [donna.drogos@acgov.org](mailto:donna.drogos@acgov.org))  
Mark Detterman, ACEH, (sent via electronic mail to [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org))  
Geotracker, Electronic File

**Responsible Party(ies) Legal Requirements / Obligations**

**REPORT REQUESTS**

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

**ELECTRONIC SUBMITTAL OF REPORTS**

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements ([http://www.waterboards.ca.gov/water\\_issues/programs/ust/electronic\\_submittal/](http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/)).

**PERJURY STATEMENT**

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

**PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS**

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

**UNDERGROUND STORAGE TANK CLEANUP FUND**

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

**AGENCY OVERSIGHT**

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

<b>Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)</b>	<b>REVISION DATE:</b> July 20, 2010
	<b>ISSUE DATE:</b> July 5, 2005
	<b>PREVIOUS REVISIONS:</b> October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
<b>SECTION:</b> Miscellaneous Administrative Topics & Procedures	<b>SUBJECT:</b> Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

## REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection.**
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

RO#\_Report Name\_Year-Month-Date (e.g., RO#5555\_WorkPlan\_2005-06-14)

## Submission Instructions

- 1) Obtain User Name and Password
  - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
    - i) Send an e-mail to [deh.loptoxic@acgov.org](mailto:deh.loptoxic@acgov.org)
  - b) In the subject line of your request, be sure to include "**ftp PASSWORD REQUEST**" and in the body of your request, include the **Contact Information, Site Addresses,** and the **Case Numbers (RO# available in Geotracker) you will be posting for.**
- 2) Upload Files to the ftp Site
  - a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
    - (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
  - b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
  - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
  - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
  - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
  - a) Send email to [deh.loptoxic@acgov.org](mailto:deh.loptoxic@acgov.org) notify us that you have placed a report on our ftp site.
  - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
  - c) The subject line of the e-mail must start with the RO# followed by **Report Upload.** (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
  - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.