



ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
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May 26, 2016

Mr. Mark Horne  
Chevron Environmental Management Co.  
6101 Bollinger Canyon Road  
San Ramon, CA 94583  
(Sent via electronic mail to:  
[MarkHorne@chevron.com](mailto:MarkHorne@chevron.com))

Mr. Rene Boisvert  
800 Center LLC  
c/o Boulevard Equity Group  
484 Lake Park Ave #246  
Oakland, CA 94610-2730

Mr. Terrilla Sadler  
618 Brooklyn Avenue  
Oakland, CA 94606

Subject: Request for Groundwater Monitoring, Fuel Leak Case RO0000454 (Global ID # T0600102230), Chevron #20-6145 / Signal SS, 800 Center Street, Oakland CA 94607

Messrs. Horne, Boisvert, and Sadler:

In our previous April 4, 2016 letter, Alameda County Department of Environmental Health (ACDEH) indicated that it was appropriate to proceed with well destruction as a final step toward moving the case to closure. In the process of revisiting site data in the intervening time period ACDEH noted very atypical groundwater data from all site wells from the January 31, 2014 groundwater monitoring event, including to a lesser extent upgradient well MW-7, than had been previously noted. Groundwater concentrations of Total Petroleum Hydrocarbons as diesel (TPHd) in all site wells rose significantly. For example, concentrations in well MW-1A rose from 950 micrograms per liter ( $\mu\text{g/l}$ ) to 9,100  $\mu\text{g/l}$  TPHd, without Silica Gel (SG), and from 420  $\mu\text{g/l}$  to 4,400  $\mu\text{g/l}$  with SG. In each well, groundwater appears to have been at its deepest level in a number of years. This change effectively rendered the groundwater TPHd plume undefined in the downgradient direction. No additional groundwater monitoring events have occurred since that event at the site.

ACDEH has evaluated site data, in conjunction with the case files, to determine if the site is eligible for closure as a low risk site under the State Water Resources Control Board's LTCP. Based on ACDEH staff review, we have determined that the site fails to meet the LTCP General Criteria e (Site Conceptual Model), and the Media-Specific Criteria for Groundwater (see Geotracker for an updated checklist).

Thus it appears appropriate to delay well destruction and site closure and re-evaluate the site within the context of the Low Threat Closure Policy (LTCP); however, it also remains plausible to proceed with the destruction of all deeper wells while retaining all shallow site and vicinity wells. Thus, as an option, you may proceed with destruction of these deeper wells.

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

### **TECHNICAL COMMENTS**

**1. LTCP General Criteria e (Site Conceptual Model)** – According to the LTCP, the SCM is a fundamental element of a comprehensive site investigation. The SCM establishes the source and attributes of the unauthorized release, describes all affected media (including soil, groundwater, and soil vapor as appropriate), describes local geology, hydrogeology and other physical site characteristics that affect contaminant environmental transport and fate, and identifies all confirmed and potential contaminant receptors (including water supply wells, surface water bodies, structures and their inhabitants). The SCM is relied upon by practitioners as a guide for investigative design and data collection. All relevant site characteristics identified by the SCM shall be assessed and

supported by data so that the nature, extent, and mobility of the release have been established to determine conformance with applicable criteria in this policy.

Our review of the case files indicates that insufficient data collection or analysis has been presented to assess the nature, extent, and mobility of the release and to support compliance with Media Specific Criteria Groundwater as described below. Based on changes in the depth to groundwater, it appears that the depth of groundwater may influence these concentrations.

2. **LTCP Media Specific Criteria for Groundwater** – To satisfy the media-specific criteria for groundwater, the contaminant plume that exceeds water quality objectives must be stable or decreasing in areal extent, and meet all of the additional characteristics of one of the five classes of sites listed in the policy.

Our review of the case files indicates that insufficient data collection and analysis has been presented to support the requisite characteristics of plume stability or plume classification as follows:

- a. **Groundwater Plume Length** – The January 2014 groundwater monitoring event documented all site wells contained significantly higher TPHd concentrations than prior monitoring events. Conversely, TPHg and petroleum hydrocarbon volatiles, including benzene, ethylbenzene, toluene, and total xylenes (BTEX) did not change significantly. As a consequence, it may be appropriate to define the groundwater TPHd plume length by other means, such as use of maximum plume lengths as defined in the LTCP *Technical Justification for Groundwater Media-Specific Criteria*, (April 2012), and determine if sensitive receptors are located within the assumed maximum plume length. ACDEH defines sensitive receptors to include wells, and sensitive populations, as well as dewatering structures such as basements with sumps that remove groundwater from the subsurface and an exposure separation, and potentially discharge it to surface conveyance such as curbs with potential direct exposures to humans and the environment. Please be aware, that an updated well survey and sensitive population survey has more recently been conducted for the site.
- b. **Stability of Groundwater Concentrations** – It appears appropriate to resume groundwater monitoring of all on- and offsite shallow groundwater monitoring wells in an attempt to determine current groundwater depths and current concentrations in an effort to support an updated SCM.

### **TECHNICAL REPORT REQUEST**

Please upload technical reports to the ACEH ftp site (Attention: Mark Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with the specified file naming convention below, according to the following schedule:

- **July 8, 2016** – Deep Well Destruction Report (including Waste Disposal Documentation; **as option**)  
File to be named RO454\_WELL\_DCM\_R\_yyyy-mm-dd
- **August 19, 2016** – Sensitive Receptor Survey, Updated SCM, and Second Quarter 2016 Groundwater Monitoring Report; File to be named RO454\_SCM\_GWM\_R\_yyyy-mm-dd
- **November 18, 2016** – Third Quarter 2016 Groundwater Monitoring Report  
File to be named RO454\_GWM\_R\_yyyy-mm-dd

Online case files are available for review at the following website: <http://www.acgov.org/aceh/index.htm>.

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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: Morgan Hargrave, Conestoga-Rovers & Associates, 10969 Trade Center Drive, Suite 107,  
Rancho Cordova, CA 95670; (Sent via electronic mail to [mhargrave@croworld.com](mailto:mhargrave@croworld.com))

Dilan Roe, ACDEH, (sent via electronic mail to [dilan.roe@acgov.org](mailto:dilan.roe@acgov.org))  
Mark Detterman, ACDEH, (sent via electronic mail to [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org))  
Electronic File, GeoTracker

## Attachment 1

### 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> May 15, 2014
	<b>ISSUE DATE:</b> July 5, 2005
	<b>PREVIOUS REVISIONS:</b> October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010, July 25, 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.