



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

September 11, 2008

Mr. Richard Robbins
Wareham Property Group
1120 NYE Street, Suite 400
San Rafael, CA 94901

Subject: Fuel Leak Case No. RO0000052 and Geotracker Global ID T0600101068, Peterson Manufacturing Company, Inc., 1600 63rd St., Emeryville, CA

Dear Mr. Robbins:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including Treadwell and Rollo's Letter Reports entitled, *Supplemental Soil and Groundwater Investigation* dated March 21, 2007 and *Groundwater Monitoring Conducted 30 January 2008* dated March 6, 2008. The 2007 *Supplemental Soil and Groundwater Investigation* report discusses installing replacement wells that properly intersect the groundwater table. The newly installed wells have reported free-phase product and soil borings SB-1 through SB-4 had reported sheen. Results from the investigation indicate that petroleum hydrocarbons are present at elevated concentrations in soil and groundwater on-site and off-site, that free-phase hydrocarbons are present on-site and that the lateral and vertical extent of petroleum hydrocarbons has not been determined. The report also presents free-phase product removal results.

We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

TECHNICAL COMMENTS

1. **Contaminant Plume Definition.** The lateral extent of the petroleum hydrocarbon contamination in the westerly direction is undefined. All borings installed in 2007 have TPHd and TPHg above the ESL in groundwater. Soil samples collected from soil borings SB-1 through SB-4 during the 2007 investigation have elevated concentrations of TPHd at a maximum concentration of 3,800 milligrams per kilogram (mg/Kg). Groundwater from these borings contained TPHd concentrations between 33,000 micrograms per liter ($\mu\text{g/L}$) and 150,000 $\mu\text{g/L}$. ACEH requests that you submit a work plan to install monitoring wells in the downgradient direction to define the lateral extent of petroleum hydrocarbons off-site.
2. **Site Conceptual Model.** The site conceptual model that was submitted in May 26, 2006 by Treadwell & Rollo did not include an evaluation of exposure pathways nor a regional and

local geology and hydrogeology discussion. Please include these in the Additional Information Report/ Work Plan requested below.

3. **Preferential Pathway Study.** A preferential pathway study has not been submitted as requested by ACEH in our September 28, 2006 letter. This study should include a utility survey and well survey as specified below. The purpose of the preferential pathway study is to locate potential migration pathways and conduits and determine the probability of the NAPL and/or plume encountering preferential pathways and conduits that could spread contamination. We request that you perform a preferential pathway study that details the potential migration pathways and potential conduits (wells, utilities, pipelines, etc.) for vertical and lateral migration that may be present in the vicinity of the site.

Discuss your analysis and interpretation of the results of the preferential pathway study (including the well survey and utility survey requested below) and present your results in the Additional Information Report / Work Plan requested below. The results of your study shall contain all information required by California Code of Regulations, Title 23, Division 3, Chapter 16, §2654(b).

a. Utility Survey

An evaluation of all utility lines and trenches (including sewers, storm drains, pipelines, trench backfill, etc.) within and near the site and plume area(s) is required as part of your study. Please include 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 shall include a 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.

4. **Mass Removal Estimates.** A review of the groundwater monitoring and interim remediation reports indicates that field notes for product removal are not included in these reports. Therefore we are unable to confirm your mass calculations. Please include remediation data sheets that indicate the volume or weight of each bailing event along with the remediation reports so we can confirm your measurements. Submit this data in the Additional Information Report / Work Plan by the date specified below.
5. **Groundwater Monitoring and Product Bailing Frequency.** In our letter dated September 28, 2006, ACEH requested quarterly groundwater monitoring. ACEH does not have all of the quarterly monitoring reports from the time the wells were installed to present. Please submit all quarterly monitoring reports to both the ACEH ftp site and Geotracker by **October 13, 2008**. Please submit your next quarterly monitoring results by the date requested below. You may reduce the product bailing frequency to quarterly while you are preparing the FS/CAP. Please include a rose diagram and include all historical groundwater flow direction data on the rose diagram and update it quarterly in each monitoring report. Please upload these reports by the dates requested below.

6. **Feasibility Study Corrective Action Plan.** Interim remediation has been conducted for one year. Please prepare a feasibility study/ corrective action plan which assesses at least three active remediation measures besides a no action and monitored natural attenuation alternatives. Please submit the FS/CAP by the date requested below.
7. **GeoTracker Compliance.** A review of the case file on the State Water Resource Control Board's Geotracker website indicates that electronic copies of analytical data have still not been submitted for your site for any of the groundwater monitoring reports. Please upload all groundwater monitoring reports, and other required data into Geotracker. More Geotracker requirements are listed below in the section entitled electronic submission of reports.
8. **Perjury Letter.** As described below, 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. Future reports will not be accepted until this letter accompanies the reports, including groundwater monitoring reports, investigation reports.

REQUEST FOR INFORMATION

ACEH's case file for the subject site contains only the electronic files listed on our website at <http://www.acgov.org/aceh/index.htm>. You are requested to submit copies of all other reports and correspondence related to environmental investigations for this property (including Phase I reports) by **October 13, 2008**.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Barbara Jakub), according to the following schedule:

- **October 13, 2008** – Historical groundwater monitoring reports, Phase I, missing reports and Geotracker uploads.
- **October 20, 2008** – Third Quarter 2008 Groundwater Monitoring Report
- **December 11, 2008** – Additional Information Report / Work Plan Preferential
- **December 22, 2008** – Fourth Quarter 2008 Groundwater Monitoring Report
- **March 20, 2009** – First Quarter 2009 Groundwater Monitoring Report
- **June 11, 2009** – FS/CAP
- **June 22, 2009** – Second Quarter 2009 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.

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.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml).

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.

If you have any questions, please call me at (510) 639-1287 or send me an electronic mail message at barbara.jakub@acgov.org.

Sincerely,



Barbara Jakub, P.G.
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Mr. Glenn Leong, Treadwell & Rollo, 501 14th St., 3rd Floor, Oakland, CA 94612
Donna Drogos, ACEH
Barbara Jakub, ACEH
File

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	ISSUE DATE: July 5, 2005
	REVISION DATE: December 16, 2005
	PREVIOUS REVISIONS: October 31, 2005
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: Electronic Report Upload (ftp) Instructions

Effective **January 31, 2006**, 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

- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection**. (Please do not submit reports as attachments to electronic mail.)
- 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)

Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in Excel format. These are for use by assigned Caseworker only.

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 dehloptoxic@acgov.org
or
 - ii) Send a fax on company letterhead to (510) 337-9335, to the attention of Alicia Lam-Finneke.
 - 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 and Firefox browsers will not open the FTP site.
 - b) Click on File, then on Login As.
 - 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 dehloptoxic@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 at 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)