



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
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May 19, 2011

Ms. Jan Shipley (Sent via E-mail to: JShipley@lvjUSD.k12.ca.us)
Livermore Unified School District
685 E. Jack London Blvd.
Livermore, CA 94550

Subject: Conditional Work Plan Approval for Fuel Leak Case No. RO0000188 and GeoTracker Global ID T0600100844, Laidlaw Transit (Maintenance Yard), 2900 Ladd Avenue, Livermore, CA 94550

Dear Ms. Shipley:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the recently submitted document entitled, "*Soil Characterization and Groundwater Characterization Work Plan*," dated April 20, 2011 (Work Plan). The Work Plan, which was prepared by ACC Environmental Consultants, proposes a scope of work that includes soil borings and cone penetration testing (CPT) borings to further characterize the site.

The proposed scope of work is conditionally approved and may be implemented provided that the technical comments below are incorporated during implementation of the proposed field investigation. Submittal of a revised Work Plan or Work Plan Addendum is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed. We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

TECHNICAL COMMENTS

1. **Assessment of Wells MW-2, MW-3, and MW-4.** We concur with the proposed approach of using CPT vertical profiling with a Membrane Interface Probe (MIP) to aid in determining whether well MW-2, MW-3, and MW-4 should be abandoned and whether new properly screened wells are needed. Please present the results from the CPT and MIP vertical profiling in the Site Characterization Report requested below.
2. **Laboratory Analysis of Soil Samples.** In each soil boring, we request that soil samples be collected for laboratory analysis from any zones where visible staining, odor, or elevated PID readings are observed. A sufficient number of soil samples are to be collected for laboratory analysis to define the vertical extent of contamination. If no visible staining, odor, or elevated PID readings are observed in the borings, the proposed criteria presented in the Work Plan for selecting soil samples for laboratory analysis are acceptable. However, please see technical comment 3 regarding the proposed soil boring that is located immediately southeast of the former USTs and north of the concrete pad and sump.

3. **Proposed Soil Boring Located Immediately Southeast of the Former USTs and North of the Concrete Pad and Sump.** We request the following criteria for soil and groundwater sampling and analysis to be applied specifically to the single proposed soil boring that is located immediately southeast of the former USTs and north of the concrete pad and sump:
 - Soil samples are to be collected for laboratory analysis from any zones where visible staining, odor, or elevated PID readings are observed. A sufficient number of soil samples are to be collected for laboratory analysis to define the vertical extent of contamination. If no visible staining, odor, or elevated PID readings are observed within the upper 25 feet, soil samples are to be collected for laboratory analysis at depths of 5, 10, 15, 20, and 25 feet bgs.
 - Soil samples collected to a depth of 25 feet are to be analyzed for Total Petroleum Hydrocarbons as gasoline using EPA method 5035/8015B, volatile organic compounds (full scan including chlorinated solvents) using EPA Method 5035/8260B, organochlorine pesticides using EPA Method 8081A or equivalent, and CAM 17 metals using EPA Method 6000/7000 series. Soil samples collected below a depth of 25 feet bgs for laboratory analysis are to be analyzed for Total Petroleum Hydrocarbons as gasoline using EPA method 5035/8015B and BTEX and MTBE using EPA Method 5035/8260B.
 - The grab groundwater sample is to be analyzed for Total Petroleum Hydrocarbons as gasoline using EPA method 5035/8015B, volatile organic compounds (full scan including chlorinated solvents) using EPA Method 5035/8260B, and organochlorine pesticides using EPA Method 8081A or equivalent.

4. **Cross Sections.** We appreciate the presentation of detailed hydrogeologic cross sections in the Work Plan. The cross sections are useful in helping to understand the three-dimensional extent of soil and groundwater contamination at the site.

5. **Well Survey.** Please present the results of the proposed Well Survey in the Site Characterization Report requested below.

TECHNICAL REPORT REQUEST

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

- **September 28, 2011** – Site Characterization Report

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If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Attachment: Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Danielle Stefani, Livermore Pleasanton Fire Department, 3560 Nevada St, Pleasanton, CA 94566
(Sent via E-mail to: dstefani@lpfire.org)

Cheryl Dizon (QIC 8021), Zone 7 Water Agency, 100 North Canyons Pkwy, Livermore, CA 94551
(Sent via E-mail to: cdizon@zone7water.com)

Julia Siudyla, ACC Environmental Consultants, 7977 Capwell Drive, Oakland, CA 94621 (Sent via E-mail to: jsiudyla@accenv.com)

Donna Drogos, ACEH (Sent via E-mail to: donna.drogos@acgov.org)
Jerry Wickham, ACEH (Sent via E-mail to: jerry.wickham@acgov.org)

GeoTracker, File

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/).

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.

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	REVISION DATE: July 20, 2010
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: 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
 - 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 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.