



ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
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June 21, 2012

Mr. Ron Mooney  
California Syrup & Extract  
PO Box 8305  
Emeryville, CA 94608

Subject: Conditional Approval of Work Plan; Fuel Leak Case No. RO0000046 and Geotracker, Global ID # T0600101623, California Syrup & Extract, 1355 55<sup>th</sup> Street, Emeryville, CA 94508

Dear Mr. Mooney:

Alameda County Environmental Health (ACEH) staff has reviewed the case file including the *First 2012 Semi-Annual Groundwater Monitoring Report*, dated February 17, 2012, and the *Workplan to Conduct Soil and Groundwater Investigation*, dated May 4, 2012. The reports were prepared and submitted on your behalf by Gribi Associates, Inc (Gribi). Thank you for submitting the reports. The work plan proposes the installation of two groundwater monitoring wells downgradient of the existing two wells and one soil bore in an attempt to define the lateral and vertical extent of contamination downgradient of the site. One grab groundwater sample will be collected from the soil bore. Based on ACEH staff review of the case file, we request that you address the following technical comments and send us the reports described below.

### **TECHNICAL COMMENTS**

1. **Work Plan Modifications** – The referenced work plan proposes a series of actions with which ACEH is in general agreement of undertaking; however, ACEH requests several modifications to the approach. Please submit a report by the date specified below.
  - a. **Soil Sample Selection Protocols** – During the installation of the wells, the work plan proposes to collect and retain for laboratory analysis samples at approximately 5 foot intervals. ACEH requests that the depth of the soil samples be guided by indications of contamination (discoloration, odors, PID responses, etc.), at significant lithology changes, and above the capillary fringe (above groundwater which is expected at approximately 8 feet per the work plan), or at a minimum of 5 foot intervals if these indications are not present.
  - b. **Bore Logging** – Only to clarify the proposed logging protocols, ACEH requests that PID readings be included on the logs.
  - c. **Analytical Suite** – The work plan proposes to submit soil and groundwater samples for TPHd, TPHmo, TPHg, BTEX, MTBE, ammonia as N, methyl ethyl ketone (MEK) and methyl isobutyl ketone (MIBK). Because acetone has previously been associated as a trace compound in ammonia at the site, ACEH requests that acetone be included in the analytical suite for soil and groundwater. Additionally, because ammonia breaks down in a complex manner, ACEH requests that the ammonia analysis include ammonia and nitrogen by EPA 350.1 and 350.2 in these same media.
  - d. **Well Screen Intervals** – The work plan specified 15-foot wells, with 10-foot screen intervals. ACEH generally requires shorter screen intervals in order to collect more representative groundwater samples, generally with no more than a 5 foot sand interval; however, ACEH

recognizes that fully screened water-bearing zones are appropriate in thinner permeable zones. ACEH requests an effort to minimize the screen length at each well location to the extent possible, with well screens minimally longer than the water-bearing zone, including the capillary fringe. If longer screen intervals are judged appropriate well clusters or CMT multilevel wells may be appropriate.

2. **Request for a Preferential Pathway Survey** – Because groundwater is reported to be relatively shallow and existing utility lines may have been installed into groundwater, ACEH requests that a preferential pathway survey also be conducted at the site. Additionally because the onsite water supply well is reported to have been paved over in the mid 1990's, and the status of the well at that time does not appear to be known, ACEH requests that a well survey be conducted within a 1,000-foot radius of the site.

As you are likely aware, the purpose of the preferential pathway study is to locate potential migration pathways and conduits and determine the probability of a groundwater plume encountering preferential pathways and conduits that could spread contamination. Specifically ACEH requests the inclusion of utility laterals an often overlooked potential conduit. Consequently, we request that you perform a preferential pathway study that details the potential migration pathways and potential conduits (utilities, utility laterals, pipelines, foundational, and 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 report your results in the report 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, utility laterals, and trenches (including sewers, storm drains, pipelines, trench backfill, foundation backfill, etc.) within and near the site and plume area(s) is required as part of your study. Please reduce, and synthesize available information and maps, and generate appropriate (vicinity and / or site specific) maps and cross-sections (if appropriate) 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 requested to 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 1,000-foot radius of the subject site.

Please include the preferential pathway analysis in the soil and groundwater investigation report requested below.

3. **Request for a Work Plan** – In discussing the onsite water supply well with Alameda County Public Works Agency (ACPWA), ACPWA does not have a record of proper decommissioning of the well. As a consequence, ACEH requests a work plan to relocate and properly decommission the well in accordance with state of California well regulations, by the date referenced below. It may be appropriate to include any additional data gaps that may be identified in the currently pending work in this additional work plan.
4. **Groundwater Monitoring Analytical Suite** – At present the groundwater analytical suite includes TPHd, TPHmo, TPHg, BTEX, and MTBE. ACEH requests the addition of all five fuel oxygenates (MTBE, TAME, TBA, ETBE, and DIPE), as well as the lead scavengers EDB and EBC, a minimum of one time in the next groundwater monitoring event. ACEH additionally requests the inclusion of acetone, MEK, MIBK, ammonia, and nitrogen in the next groundwater monitoring event. Based on the results of these analytes, ACEH requests a recommendation on the continued inclusion of these analytes in future groundwater monitoring events. Please additionally be aware that newly installed wells require a quarterly sampling interval for the initial first year.

### **TECHNICAL REPORT REQUEST**

Please submit the following deliverable(s) to ACEH (Attention: Mark Detterman), according to the following schedule:

- **August 24, 2012** – Soil and Groundwater Investigation Report (with preferential pathway)
- **August 24, 2012** – Work Plan for Water Production Well (and other identified data gaps)
- **October 26, 2012** – Third Quarter 2012 Groundwater Monitoring Report
- **January 25, 2013** – Fourth Quarter 2012 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: James Gribi, Gribi Associates, 1090 Adams Street, Suite K, Benicia, CA 94510  
(sent via electronic mail to: [JGribi@gribiassociates.com](mailto:JGribi@gribiassociates.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

# 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> 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.