



ENVIRONMENTAL HEALTH DEPARTMENT  
ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
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December 17, 2010

Mr. Montague and Carol Upshaw  
Fidelity Roof Company  
1075 41<sup>st</sup> Street  
Oakland, CA 94608

Subject: Work Plan Approval with Modifications; Fuel Leak Case No. RO0000186 (Global ID # T0600102117), Fidelity Roof Company, 1075 40<sup>th</sup> Street, Oakland, CA 94608

Dear Mr. Upshaw:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site, including the *Soil and Groundwater Investigation Workplan*, dated September 21, 2010 and the *Second Semi-Annual 2010 Groundwater Monitoring Report*, dated November 4, 2010. Both reports were prepared and submitted on your behalf by Gribi Associates (Gribi). Thank you for submitting the documents. ACEH agrees that the case is mature and that the proposed assessment may be sufficient to determine the appropriateness of closure.

ACEH requests modifications to the referenced work plan prior to implementation. Provided the technical comments below are incorporated in to the field investigation a revised work plan or a work plan addendum is not required unless an alternate scope of work outside that described in the work plan or 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. Please provide 72-hour advance written notification to this office (e-mail preferred to: [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org)) prior to the start of field activities.

## **TECHNICAL COMMENTS**

1. **Work Plan Modifications** – Four areas of potential concern were identified in the ACEH directive letter of March 29, 2009. The referenced work plan addresses each of the four areas of potential concern. The following work plan modifications are requested:
  - a. **Vapor Sampling Points** – Three vapor samples are proposed for collection at the site at SG-1 to SG-3. A brief work description was provided; however, it is not certain sampling protocols follow the DTSC *Interim Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air* (December 2004); please ensure they are followed. With the following additional modifications, vapor sampling is approved:
    - i. **Sampling Train Leak Check** - It is not clear whether a leak check on the sampling train will be conducted. To minimize the potential for ambient air (and tracer gas) intrusion from connections in the sampling train during sample collection, please perform a vacuum test on the connections between the summa canisters and valve on the downhole side of the regulator. This may be conducted by opening and closing the purge canister valve to place a test vacuum on the assembly. The vacuum on the sampling train must be maintained for at least 10 minutes. This should ensure that the sampling train is “tight” with no obvious leaks.
    - ii. **Leak Check Tracer** - The sampling protocol indicates that 1,1-Difluoroethane will be periodically sprayed on the sampling apparatus to assess possible sample equipment leaks. The concern ACEH has with this methodology involves if a periodically sprayed leak check aerosol will reach

sufficient concentration within the shield to assess potential leaks in the bentonite plug fitted around the probe (or changes in the sampling train). Consequently ACEH requests the probes and sampling train be placed under a shroud with pliable weather-stripping along its base to maintain a tracer gas atmosphere, and that the shroud remain in place for the duration of the test to maintain that atmosphere. To introduce the tracer thereafter and to allow "real-time" monitoring of the shroud tracer atmosphere with a monitoring and sampling device (e.g. Photo Ionization Detector - PID), the shroud should be fitted with a minimum of one port. Please also ensure the tracer gas can be detected by the sampling device (e.g. PID). Please tabulate the shroud tracer concentrations (e.g. PID detections) in the report requested below.

- iii. **Additional Soil Vapor Analytical Suite** – To better understand the subsurface vapor environment please additionally analyze for atmospheric gases (nitrogen and oxygen), as well as methane, CO<sub>2</sub>, and the tracer gas by appropriate methodologies.
- b. **Screen Length** – ACEH generally concurs with the installation of well MW-7; however, requests that a well screen of no longer than 5 feet in length be installed across the groundwater surface. If it is believed that deeper zones of the water-bearing zone require monitoring, ACEH requests a brief written discussion of the rationale prior to work plan implementation, and will require the installation of a depth discrete groundwater monitoring network to accomplish the task (nested wells or CMT multilevel wells).
- c. **Contingency Well MW-8** – If it becomes appropriate to define the downgradient extent of the plume at the site, and in an effort to expedite progress at the site, ACEH requests consideration of a downgradient contingency well within the scope of work. The location would be selected in consultation between Gribi and ACEH upon review of data to be generated in the proposed work. Well construction details would parallel those used for well MW-7; however, can be further discussed at an appropriate time.

#### **TECHNICAL REPORT REQUEST**

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

- **January 31, 2011** – Soil and Groundwater Investigation

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.

If you have any questions, please call 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  
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, (sent via electronic mail to [donna.drogos@acgov.org](mailto:donna.drogos@acgov.org))  
Mark Detterman (sent via electronic mail to [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org))  
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.swrcb.ca.gov/ust/electronic\\_submittal/report\\_rqmts.shtml](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.

<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 [dehloptoxic@acgov.org](mailto:dehloptoxic@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 [dehloptoxic@acgov.org](mailto: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 @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.