



ENVIRONMENTAL HEALTH DEPARTMENT  
ENVIRONMENTAL PROTECTION  
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June 3, 2011

Mr. Clifford Welsh  
Anita S. Balin Trust  
Clyde's Electronics  
15796 E 14<sup>th</sup> Street  
San Leandro, CA 94578

Subject: Request for Work Plan, Clyde's Corner, Fuel Leak Case No. RO0000168 and Geotracker, Global ID # T06019778014, 15796 E. 14<sup>th</sup> Street, San Leandro, CA 94578

Dear Mr. Welsh:

Alameda County Environmental Health (ACEH) staff has reviewed the case file including the *Subsurface Investigation Report*, dated January 11, 2010. The report was prepared and submitted on your behalf by the Environmental Risk Specialties Corporation (ERS). Thank you for submitting the report; it provides information for the site and of surface and subsurface conditions since removal of the USTs. 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. Request for a Work Plan for Soil and Groundwater Investigation** – The recent subsurface investigation installed seven soil bores that documented residual soil concentrations up to 544 mg/kg TPHg and 7.21 mg/kg ethylbenzene, largely around the source perimeter. Benzene, toluene, and total xylenes were not detected, but the analytical limits of detection were elevated. The investigation also documented up to 20,000 µg/l TPHg, 27.6 µg/l benzene, and 75.7 µg/l ethylbenzene in grab groundwater samples. Toluene, total xylenes, and MTBE were not detected, but again at elevated limits of detection. Clear amber colored free product (FP) was additionally observed in soil bore B2, while the laboratory also noted the presence of FP in the grab groundwater sample collected from soil bore B4.

Unfortunately, while backfill materials were lithologically described in a general sense in the soil bore logs, backfill materials were not included in the analytical program and remain uncharacterized analytically. This is important at this site as fill materials are described as tank removal spoils which have been documented to have been impacted by petroleum hydrocarbons. Additionally, the fill materials are uncharacterized in regards to the presence or absence of odors. While this might generally imply an absence of odors, native soils that were described to contain only a "slight petroleum odor", also yielded up to 1,880 ppm units on the PID instrument, and elsewhere were also in contact with amber colored FP. The noted lack of petroleum volatile organics (BTEX) might help explain this discrepancy in part; however, these deficiencies are sufficient to warrant further investigation.

The referenced report also contained a recommendation and analysis for closure based on six "low-risk" criteria defined in the January 5, 1996 San Francisco Bay Region RWQCB Memorandum. Among other concerns, the presence of FP precludes closure under these criteria. The unresolved extent of FP and the extent of the associated groundwater plume, both laterally and in the unestablished downgradient direction, also preclude closure. As a consequence of these and other

unitemized deficiencies, ACEH requests the submittal of a work plan to define the nature and extent (including lateral and vertical) of the hydrocarbon release at this site, in both soil and groundwater. Inclusion of a soil vapor component to a proposed investigation may help expedite the site investigation. Please submit a work plan by the date identified below.

- 2. Appropriate ESL Tables** – The referenced report compares the analytical results to Non-Drinking Water Environmental Screening Levels (ESLs) contained in the San Francisco RWQCB's *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*. Please be aware that at present all groundwater in the East Bay Plain Groundwater Basin that underlies San Leandro is currently classified as 'MUN' (potentially suitable for municipal or domestic water supply). According to the RWQCB *Water Quality Control Plan (Basin Plan)*, dated January 18, 2007, for the San Francisco Bay Basin, "the term 'groundwater' includes all subsurface waters, whether or not these waters meet the classic definition of an aquifer or occur within identified groundwater basins.' The Basin Plan also states that 'all groundwaters are considered suitable, or potentially suitable, for municipal or domestic water supply (MUN)." Therefore, the groundwater beneath the subject site must be considered beneficial for these uses unless shown to be non-beneficial using criteria presented in the Basin Plan. Please adjust your evaluation to reflect this in future reports. However, please also be aware that case closure does not necessarily require cleanup to MUN cleanup goals, only that those goals can be met within an identified reasonable timeframe.
- 3. Preferential Pathway Study** - As a result of both historic, as well as current, use of groundwater in the San Leandro area, ACEH is requesting a preferential pathway study. There are two parts to the study, the location of historic wells and of utility runs. Specifically, the purpose of the preferential pathway study is to locate potential migration pathways and conduits and determine the probability of plume migration along those pathways that might spread contamination. ACEH requests that the study detail the potential migration pathways and potential conduits (wells, utilities, pipelines, etc.) for vertical and lateral migration that may be present in the site and vicinity. Please report your results in the work plan requested next below. The results of your study are to contain all information required by California Code of Regulations, Title 23, Division 3, Chapter 16, §2654(b).

  - a. Well Survey** - The well survey is to include a detailed survey of all wells within a ¼ mile radius of the subject site. Please use both the California Department of Water Resources as well as the Alameda County Public Works Agency; the source information is sufficiently different to warrant inclusion of both in the study.
  - b. 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 the study. Please include maps (and cross-sections when appropriate) to illustrate the location and depth of utility lines and trenches within and near the site and plume areas(s) as part of your study. Please include utility laterals to the site (or vicinity sites when appropriate). Please also utilize the San Francisco Estuary Institute's *Creek & Watershed Map of Hayward & San Leandro*, available online at the Museum of California website (<http://museumca.org/search/node/watershed+maps>). This map contains specific information relative to the groundwater flow direction observed at the 76 Service Station referenced in the soil and groundwater investigation report, and the likely difference that may be found at the subject site.
- 4. Geotracker Compliance** – The site is not in compliance with all Geotracker upload requirements. At this time a number of required uploads of data recently generated by your consultant have not been submitted to Geotracker. This includes, but may not be limited to, EDFs, GEO\_MAP, and bore logs. Please ensure these items are uploaded by the date identified below
- 5. Request for Information** – In conjunction with Geotracker uploads, uploads to ACEH's website are also required. Thank you for submitting the referenced site investigation report to ACEH's website; however, ACEH additionally requests the submittal of electronic copies of all other reports, data, and correspondence related to all environmental investigations for this property (including Phase I reports). The ACEH case file for the subject site contains only the electronic files listed on our website; please access the website as described further in the attachments below. ACEH is cognizant of a discrepancy between a low case number (RO0000168) and the age of the UST

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removal; additional environmental conditions would appear to have occurred prior to the 1999 tank removal that do not appear to be present in the case file, based on the low case number. You are requested to submit copies of all tank related and environmental investigation documents by the date identified below.

- 6. Underground Storage Tank Cleanup Fund** – ACEH is in agreement with the recommendation contained in the investigation report that you apply to the California Underground Storage Tank Cleanup Fund. Site investigation / site cleanup costs may be reimbursable from the UST Cleanup Fund. The application and additional information is available at the State Water Resources Control Board's website at [http://www.waterboards.ca.gov/water\\_issues/programs/ustcf/](http://www.waterboards.ca.gov/water_issues/programs/ustcf/). In particular, please be aware that reimbursement monies are contingent upon maintaining compliance with these and future directives from ACEH.

### **TECHNICAL REPORT REQUEST**

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

- **July 29, 2011** – Work Plan for a Soil and Groundwater Investigation (with preferential pathway study)
- **August 5, 2011** – Documentation of Geotracker & ACEH Website Uploads
- **60 Days After Approval of Work Plan** – Report on 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.

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: Steve Michelson, Environmental Risk Specialties Corporation, 1600 Riviera Avenue, #310, Walnut Creek, CA 94596, (sent via electronic mail to: [smichelson@erscorp.us](mailto:smichelson@erscorp.us))

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

**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.