

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

REBECCA GEBHART, Interim Director



DEPARTMENT OF ENVIRONMENTAL HEALTH
LOCAL OVERSIGHT PROGRAM (LOP)
For Hazardous Materials Releases
1131 HARBOR BAY PARKWAY, SUITE 250
ALAMEDA, CA 94502
(510) 567-6700
FAX (510) 337-9335

March 2, 2017

Hollis Phillips
ARCADIS U.S., Inc
100 Montgomery, Suite 300
San Francisco, CA 94104
(Sent via email to: Hollis.Phillips@arcadis-us.com)

Jim Smith
BP Contracts Manager
201 Helios Way, Sixth Floor
Houston, TX, 77079
(Sent via email to: Jim.Smith2@bp.com)

Raj Mulkh & Bhatia Kulwinder, et. al.
Address Unknown

Vintners Distributors, Inc
Address Unknown

Alazani Abdulrahim
27081 Call Avenue
Hayward, CA 94542

Subject: Request for Work Plan; Fuel Leak Case No. RO0000076 and GeoTracker Global ID T0600100110, ARCO #04931, 731 W Macarthur Blvd, Oakland, CA 94609

Dear Responsible Parties:

Alameda County Department of Environmental Health (ACDEH) staff has reviewed the case file including the *Site Investigation and Soil Vapor Sampling Report*, dated December 16, 2016. The report was prepared and submitted by ARCADIS, U.S., Inc. (ARCADIS). The report documented the installation of soil bores SB-08 to SB-11, and the installation of soil vapor well SV-9 to a depth of eight feet below grade surface (bgs), which is approximately five feet below the bottom of the foundation of the adjacent residential house and basement. Soil samples were collected from the 0 to 5 and the 5 to 10 foot depth intervals in all soil bores, from deeper intervals in selected bores, and soil vapor samples were collected from the three soil vapor wells at the site.

ACDEH has evaluated the additional data and recommendations presented in report to determine if the site is eligible for closure as a low risk site under the State Water Resource Control Board's Low Threat Closure Policy (LTCP). Prior to the recent work the remaining Criteria that was not meet at the site was the Media-Specific Criteria for Vapor Intrusion to Indoor Air. The recently collected data has provided some clarification of the risk of vapor intrusion at the immediately adjacent residential home; however, the data has also produced conflicting indicators. Based on the data requirements of the LTCP, the site appears to meet the Vapor Intrusion to Indoor Air Criteria; however, based on the full data set, ACDEH has determined that the site should remain open to resolve the conflicting vapor data, as discussed in more detail below.

Therefore, at this juncture ACDEH requests that you prepare a Data Gap Work Plan that is supported by a focused Site Conceptual Model (SCM) for data collection to address the Technical Comments provided below.

TECHNICAL COMMENTS

- 1. LTCP Media Specific Criteria for Vapor Intrusion to Indoor Air** – As requested, data collected during the recent site investigation was largely targeted to determine if the site met the Vapor Intrusion to Indoor Air Criteria of the LTCP. Recently collected soil analytical data documents the presence of at least a 10 foot bioattenuation zone on the site, if not more, with soil Total petroleum Hydrocarbon (TPH) concentrations less than 100 milligrams per kilogram (mg/kg). Previously, insufficient soil analytical data was available to determine the depth of the bioattenuation zone at the eastern upgradient site boundary. Groundwater concentrations adjacent to the eastern boundary with the residence are not well documented but utilizing the only well near the boundary (A-2) that is sampled, the well has historically been nondetect for Total Petroleum Hydrocarbons as gasoline (<50 micrograms per liter [$\mu\text{g/l}$] TPHg), benzene, and

ethylbenzene (<0.5 µg/l), has yielded only low methyl tert butyl ether (MTBE) concentrations (detected but less than 10 µg/l). Thus the site appears to meet Scenario 3 of the vapor intrusion LTCP criteria.

Due to the uncertainty of the bioattenuation zone, (until recently) soil vapor data was also generated during the recent investigation. The data indicates that the site appears to meet Scenario 4a of the vapor intrusion LTCP criteria (no bioattenuation zone); however, does not always met Scenario 4b (bioattenuation zone) of the vapor intrusion LTCP criteria due to oxygen concentrations at less than 4 percent (%) at times in soil vapor well SV-8 (May 2015 sampling event). Please also note that the SV-8 vapor sampling point was not installed to a depth of five feet below the adjacent foundation (due to the presence of a partial basement at the residence). As described in the referenced report, the partial basement is approximately six feet in height, is concrete floored, and extends approximately three feet below grade, while the three foot high concrete foundation allows it to extend approximately three above grade. Recently installed vapor well SV-9 was installed to a depth of eight feet, and is thus approximately five feet below the foundation of the residence.

Utilizing San Francisco Bay Regional Water Quality Control Board (RWCB) Environmental Screening Levels (ESLs) for TPHg vapors which were also collected, site vapor analytical data consistently yield TPHg vapor concentrations above the target residential ESL of 300,000 µg/m³ (490,000 and 2,200,000 µg/m³), and had increased substantially between vapor sampling events at SV-8. Again, please note the depth of this vapor point is only two feet below the basement slab depth.

Thus while the site appears to meet some Criteria of the LTCP Vapor Intrusion to Indoor Air Criteria, but has also produced inconsistent shallower data (closer to a potential receptor), ACDEH has determined that the case should remain open to resolve the conflicting data. ACDEH is in agreement that an additional soil vapor sampling event in approximately May 2017 is appropriate. Additionally, to directly address residential exposures and help resolve the conflicting data, it appears appropriate to request either the collection of crawl space and / or basement indoor air samples if allowed, or the collection of offsite data in close proximity of the residence, to determine if the additional horizontal separation from the site is sufficient to provide additional vapor concentration reductions from contamination remaining at the site. The data will provide a level of comfort that the residents are protected from the potential of vapor intrusion at shallower depths. Thus ACDEH requests that you prepare a Data Gap Work Plan that is supported by a focused Site Conceptual Model (SCM) for data collection to address these Technical Comments. It may be useful to include either contingency or option in the work plan to accommodate potential changes based on the input from offsite residents or owners without significant further review. Please submit a Data Gap Work Plan by the date identified below.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACDEH ftp site (Attention: Mark Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with the specified file naming convention below, according to the following schedule:

- **May 12, 2017 – Data Gap Work Plan**
File to be named: WP_R_yyyy-mm-dd
- **October 27, 2017 - 2017 Annual Groundwater Monitoring Event**
File to be named: GWM_R_yyyy-mm-dd

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.

Online case files are available for review at the following website: <http://www.acgov.org/aceh/index.htm>. If your email address does not appear on the cover page of this notification, ACDEH is requesting you provide your email address so that we can correspond with you quickly and efficiently regarding your case.

Ladies & Gentlemen
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Thank you for your cooperation. ACDEH looks forward to working with you and your consultants to advance the case toward closure. If you have any questions, please call me at (510) 567-6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mark E. Detterman", with a stylized flourish at the end.

Mark E. Detterman, PG, CEG
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations
Electronic Report Upload (ftp) Instructions

cc: Dilan Roe, ACDEH, (Sent via electronic mail to: dilan.roe@acgov.org)
Paresh Khatri, ACDEH; (Sent via electronic mail to: paresh.khatri@acgov.org)
Mark Detterman, ACDEH (Sent via electronic mail to: mark.detterman@acgov.org)
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

Alameda County Department of Environmental Health's (ACDEH) Environmental Cleanup Oversight Programs, Local Oversight Program (LOP) and Site Cleanup Program (SCP) 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 File Transfer Protocol (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 SCP 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 (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/) for more information on these requirements.

ACKNOWLEDGEMENT STATEMENT

All work plans, technical reports, or technical documents submitted to ACDEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the SWRCB's GeoTracker website." 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 6731, 6735, and 7835) 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 licensed 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 case meet this requirement. Additional information is available on the Board of Professional Engineers, Land Surveyors, and Geologists website at: <http://www.bpelsg.ca.gov/laws/index.shtml>.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, late 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 SCP)	REVISION DATE: December 1, 2016
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010, July 25, 2010; May 15, 2014, November 29, 2016
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: Electronic Report Upload (ftp) Instructions


The Alameda County Environmental Cleanup Oversight Programs (LOP and SCP) 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) Open File Explorer using the Windows  key + E keyboard shortcut.
 - i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
 - b) On the address bar, type in ftp://alcoftp1.acgov.org.
 - c) Enter your User Name and Password. (Note: Both are Case Sensitive)
 - d) Click Log On.
 - e) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
 - f) 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.