



October 3, 2018

Mr. Eric Schmier and Kenneth Schmier et. al.
1475 Powell Street, #201
Emeryville, CA 94608
(Sent via electronic mail to: kenschmier@aol.com)

Mr. David Wendel
Address Unknown

Subject: Request for a Work Plan Addendum; Fuel Leak Case No. RO0002845 and GeoTracker Global ID T06019750590, Schwabacher / Frey, 5733 Peladeau Street, Emeryville, CA 94608

Dear Messrs. Schmier, Schmier, and Wendel:

Alameda County Department of Environmental Health (ACDEH) staff has reviewed the case file including the *Data Gap Investigation Work Plan*, dated August 17, 2018, which was generated and submitted on your behalf by Partner Engineering and Science, Inc. Consistent with the June 13, 2018 directive letter by ACDEH, the work plan proposed the installation of one soil bore through the former underground storage tank (UST) location, the collection of up to four soil samples, one grab groundwater sample, the installation of a temporary subslab vapor point downgradient of the former UST location, and the collection of a subslab vapor sample.

Based on ACDEH 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 Addendum** – To incorporate all requested changes to the scope of work itemized below, ACDEH requests the generation of a brief work plan addendum by the date identified below. Please incorporate changes discussed below into the work plan addendum.
 - a. **Soil Sample Collection** – The referenced work plan proposes to collect up to four soil samples from the soil bore proposed to be installed through the former UST location to a maximum of 20 feet below grade surface (bgs). In order to be consistent with the Low Threat Closure Policy (LTCP), ACDEH requests that soil samples be collected at signs of contamination based on olfactory, Photoionization Detector (PID) responses, or discoloration, within the 0 to 5 and the 5 to 10 foot depth intervals, and at signs of contamination at deeper intervals in order to define the vertical extent of contamination, if any. One criteria of the LTCP requires the analysis of multiple soil samples within the 0 to 5 foot depth interval. This thus requires the sampling run to start above five feet bgs at signs of any contamination encountered during utility clearing. Please ensure sufficient soil samples will be collected within each interval.
 - b. **Soil Sample Collection Containers** – In order to eliminate loss of volatile compounds from soil upon sample handling and transfer to a jar, ACDEH requests the submittal of all soil samples to the analytical laboratory in intact acetate lines that are appropriately capped and sealed, rather transferred to glass jars as proposed. This later action increases the likelihood of volatilization.
 - c. **Soil and Groundwater Analytical Suite** – Consistent with the LTCP, ACDEH requests that naphthalene be included in the soil and groundwater analytical suite by an appropriate EPA method.
 - d. **Permanence of Vapor Point** – The work plan proposed the installation of a temporary vapor point at the site. Through experience ACDEH has found that the installation of (semi) permanent vapor probes is best should atypical analytical results be documented. Therefore,

ACDEH requests the installation of a (semi) permanent vapor well at the site in the work plan addendum.

- e. **Use of Vapor Shroud** – Consistent with Department of Toxic Substances Control (DTSC) guidance, ACDEH requires the use of a vapor shroud during the collection of all vapor samples, and requires that all sample apparatuses be enclosed within the shroud at the time of sampling. Please additionally ensure documentation of this configuration at the time of sampling in the final report.
- f. **Use of Vapor Shroud Tracer and Tracer Concentrations** – Also consistent with DTSC guidance, ACDEH requires the use of a helium tracer in the collection of all vapor samples. Please ensure the shroud helium tracer concentration is documented at all vapor sampling locations in order to determine the percentage of atmospheric leakage into the vapor samples, if any. DTSC allows up to a 5 percent leakage. ACDEH requests the helium tracer concentration be maintained in the shroud at a minimum of 20% throughout the sampling event and that this be documented in the report analytical tables as a percentage.
- g. **Atmospheric Gases** – ACDEH additionally requests the collection of atmospheric gases in the vapor sample. Please include oxygen, nitrogen, carbon dioxide, as well as methane, and please report these concentrations as a percentage in analytical tables to be generated.
- h. **Precipitation** – ACDEH requests that vapor sampling be conducted consistent with DTSC guidance with respect to rain precipitation and landscape irrigation.
- i. **Soil Vapor Analytical Suite** – Consistent with the LTCP, please ensure the analysis of naphthalene is included in the TO-15 vapor analytical suite. Consistent with DTSC guidance, ACDEH requests that naphthalene is additionally analyzed by TO-17 due to preferential adhesion of naphthalene vapors to certain plastic tubing in vapor sample trains.

SUBMITTAL ACKNOWLEDGEMENT STATEMENT

Please note that ACDEH has updated Attachment 1 with regard to report submittals. ACDEH will now be requiring a Submittal Acknowledgement Statement, replacing the Perjury Statement, as a cover letter signed by the Responsible Party (RP). The language for the Submittal Acknowledgement Statement is as follows:

"I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to the State Water Board's GeoTracker website.

Please make this change to your submittals to ACDEH.

TECHNICAL REPORT REQUEST

Please submit the following technical reports and deliverables to the State Water Board's Geotracker website and notify your case worker by electronic mail (mark.detterman@acgov.org), in accordance with the following specified file naming convention and schedule, as provided below, and in the Responsible Party(ies) Legal Requirements/Obligations which is included as Attachment 1. Please note ACDEH no longer accepts reports on the ftp site.

- **November 16, 2018** – Data Gap Work Plan Addendum
File to be named: RO2845_WP_ADEND_R_YYYY-MM-DD
- **60 Days After Work Plan Addendum Approval** – Site Investigation Report
File to be named: RO2845_SWI_R_YYYY-MM-DD

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

Sincerely,



Mark E. Detterman, PG 4799, CEG 1788
Senior Geologist
Senior Hazardous Materials Specialist

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

cc: Cory Martini, Partner Engineering and Science, Inc, 1544 Eureka Road, Suite 180, Roseville, CA 95661; (Sent via electronic mail to: cmartini@partneresi.com)

Joe Mangine, Partner Engineering and Science, Inc, 1017 22nd Avenue, Suite 107, Oakland, CA 94606; (Sent via electronic mail to: jmangine@partneresi.com)

Nathan Maroon, Partner Engineering and Science, Inc, 1017 22nd Avenue, Suite 107, Oakland, CA 94606; (Sent via electronic mail to: nmaroon@partneresi.com)

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; GeoTracker

Alameda County Environmental Cleanup Oversight Programs (LOP and SCP)	REVISION DATE: December 14, 2017
	ISSUE DATE: July 25, 2012
	PREVIOUS REVISIONS: September 17, 2013, May 15, 2014, December 12, 2016
SECTION: ACDEH Procedures	SUBJECT: Responsible Party(ies) Legal Requirements / Obligations

REPORT & DELIVERABLE REQUESTS

Alameda County Department of Environmental Health (ACDEH) Cleanup Oversight Programs, Local Oversight Program (LOP) and Site Cleanup Program (SCP) require submission of all reports in electronic form to the State Water Board's (SWB) GeoTracker website in accordance with California Code of Regulations, Chapter 30, Division 3, Title 23 and Division 3, Title 27.

Leaking Underground Fuel Tank (LUFT) Cases

Reports and deliverable requests are 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 (RP) in conjunction with an unauthorized release from a petroleum underground storage tank (UST) system.

Site Cleanup Program (SCP) Cases

For non-petroleum UST cases, reports and deliverables requests are pursuant to California Health and Safety Code Section 101480.

ELECTRONIC SUBMITTAL OF REPORTS

A complete report submittal includes the PDF report and all associated electronic data files, including but not limited to GEO_MAP, GEO_XY, GEO_Z, GEO_BORE, GEO_WELL, and laboratory analytical data in Electronic Deliverable Format™ (EDF). Additional information on these requirements is available on the State Water Board's website (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/)

- Do not upload draft reports to GeoTracker
- Rotate each page in the PDF document in the direction that will make it easiest to read on a computer monitor.

GEOTRACKER UPLOAD CERTIFICATION

Each report submittal is to include a GeoTracker Upload Summary Table with GeoTracker valid values¹ as illustrated in the example below to facilitate ACDEH review and verify compliance with GeoTracker requirements.

GeoTracker Upload Table Example

Report Title	Sample Period	PDF Report	GEO_MAPS	Sample ID	Matrix	GEO_Z	GEO_XY	GEO_BORE	GEO_WELL	EDF
2016 Subsurface Investigation Report	2016 S1	✓	✓	Effluent	SO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
2012 Site Assessment Work Plan	2012	✓	✓			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2010 GW Investigation Report	2008 Q4	✓	✓	SB-10	W	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
				SB-10-6	SO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
				MW-1	WG	✓	✓	✓	✓	✓
				SW-1	W	✓	✓	✓	✓	✓

¹ GeoTracker Survey XYZ, Well Data, and Site Map Guidelines & Restrictions, CA State Water Resources Control Board, April 2005

Alameda County Environmental Cleanup Oversight Programs (LOP and SCP)	REVISION DATE: NA
	ISSUE DATE: December 14, 2017
	PREVIOUS REVISIONS: September 17, 2013, May 15, 2014, December 12, 2016
SECTION: ACDEH Procedures	SUBJECT: Responsible Party(ies) Legal Requirements / Obligations

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 the State Water Board's GeoTracker website." This letter must be signed by the Responsible Party, or legally authorized representative of the Responsible Party.

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 and include the professional registration stamp, signature, and statement of professional certification. 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

For LUFT cases, RP's non-compliance with these regulations may result in ineligibility to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse the cost of cleanup. Additional information is available on the internet at: https://www.waterboards.ca.gov/water_issues/programs/ustcf/

AGENCY OVERSIGHT

Significant delays in conducting site assessment/cleanup or report submittals may result in referral of the case to the Regional Water 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.