

ALAMEDA COUNTY
**HEALTH CARE SERVICES
AGENCY**

COLLEEN CHAWLA, 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

February 6, 2018

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

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

Ed Ralston
The Phillips 66 Company
76 Broadway
Sacramento, CA 95818
(Sent via electronic mail to:
Ed.C.Ralston@p66.com)

Emery Bay Petroleum, Inc.
c/o Shahram Azimi
1700 Powell Street
Emeryville, CA 94608

Mobil Oil Company
Address Unknown

Tosco Corp.
Address Unknown

Subject: Request for Work Plan and Well Destruction; Fuel Leak Case No. RO0000066 (Global ID #T0600100208), BP #11126; 1700 Powell Street, Emeryville, CA 94608

Dear Ladies and Gentlemen:

Alameda County Department of Environmental Health (ACDEH) has reviewed the case file as part of the closure process and as a part of the meeting regarding the site that occurred in our office on February 2, 2018. As discussed in the meeting, ACDEH is concerned with radial flow of groundwater at the site, and the undefined extent of the groundwater plume to the north of the waste oil underground storage tank (UST) in the northwest corner of the site and the potential for contaminants in the shallow groundwater to affect offsite workers on the adjacent parcel to the north of the subject site.

As also discussed in the meeting, ACDEH remains concerned that evaluation of the migration of dissolved phase contaminants in groundwater along utility lines in Powell Street remain incomplete. Therefore, based on ACDEH staff review of the case file and discussions during the meeting, we request that you address the following technical comments and send us the reports described below.

TECHNICAL COMMENTS

- 1. Lateral Delineation of Groundwater Plume in Vicinity of Former Waste Oil Tank** - ACDEH requests submittal of a brief work plan (cover letter with figure with proposed borings locations and analytes) to define the lateral extent of groundwater contamination to the north and west of the waste oil UST. The cover letter can reference existing protocols presented in previous work plans approved by ACDEH for the site for sample collection and analysis.
- 2. Contaminant Migration Along the Storm Drain Line** - Preferential pathways of particular concern include the northern-most storm water line south of the site in Powell Street that discharges to the San Francisco Bay approximately 1,050 feet from the site. Potential petroleum hydrocarbon estuary discharge concentrations have been previously determined using a calculated dissolved phase petroleum hydrocarbon groundwater concentration at the point where the contaminant plume intersects the subsurface storm drain rather than site specific data at that point and application of a Dilution Attenuation Factor (DAF).

Due to heavy traffic and the resultant difficulty of collecting groundwater samples along the storm drain line located within Powell Street, ACDEH concurs that an analysis of the potential concentration of petroleum hydrocarbon contamination at the point of discharge of the storm drain into the San Francisco Bay is appropriate. Therefore, please submit an analysis that uses calculations/models established by the United States Environmental Protection Agency and/or currently accepted by a regulatory agency within the San Francisco Bay Region.

- 3. Monitoring Well Destruction and Waste Removal Activities** – The public comment period was completed, and as discussed in the meeting one comment was received regarding the lack of petroleum hydrocarbon plume delineation near the waste oil tank. As discussed, remaining tasks do not appear to require the entire groundwater monitoring well network. Therefore, it appears reasonable to request the destruction of the network concurrent with the exception of the monitoring well located in the vicinity of the waste oil tank (MW-6) with work requested above. This request is based on the lack of delineation to the north and west in this area of the investigation. Please note that the Low Threat Closure Policy requires documentation that investigation derived waste has been disposed. ACDEH requests that this documentation contain all three signatures required on appropriate forms.

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:

- **April 13, 2018** – Data Gap Work Plan
File to be named: RO66_WP_R_yyyy-mm-dd
- **60 Days After Work Plan Approval** – Site Investigation and Contaminant Migration Along Storm Drain Analysis; File to be named: RO66_SWI_IR_R_yyyy-mm-dd
- **60 Days After Work Plan Approval** – Report of Well Destruction and Waste Disposal
File to be named: RO66_WELL_DCM_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>.

Thank you for your cooperation. 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,



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, 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.