



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
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December 15, 2015

Mark Tussing
Owens-Brockway Container, Inc.
Four O-I Plaza, One Michael Owens Way
Perrysburg, OH 43551-2999
(Sent via E-mail to: Mark.Tussing@o-i.com)

Subject: Conditional Work Plan Approval for Fuel Leak Case No. RO0000289 and GeoTracker Global ID T0600102223, Owens Brockway Glass, 3600 Alameda Avenue, Oakland, CA 94601

Dear Mr. Tussing:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the most recently submitted document entitled, "*Work Plan for Additional Targeted Excavation and Subsurface Investigation*," dated December 2, 2015 (Work Plan). The Work Plan, which was prepared on your behalf by CKG Environmental, Inc., presents plans to conduct additional soil and groundwater investigation to conduct additional excavation of petroleum-contaminated soils.

The proposed scope of work for additional soil and groundwater investigation is conditionally approved and may be implemented provided that the technical comments below are addressed and incorporated during the proposed site investigation activities. Submittal of a revised Work Plan is not required unless an alternate scope of work outside that described in the Work Plan and 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.

Based on the scope of the proposed excavation (Excavation A), a public notification must be provided to nearby residents and landowners prior to implementation of the excavation. The public notification must specify the schedule for the excavation. Therefore, please provide a schedule in advance of the excavation so that a public notice of the excavation can be prepared and sent out at least 30 days prior to the start of the excavation.

TECHNICAL COMMENTS

1. **Soil Borings Location and Depth.** The proposed locations of soil borings is acceptable. The planned depth of the soil borings was not specified in the Work Plan. We request that the soil borings be advanced to a minimum depth of 20 feet bgs. We also request that select soil borings be advanced to delineate the vertical extent of contamination where soil contamination extends beyond a depth of 20 feet bgs. The borings for vertical delineation should be selected based on the nature of the contamination observed and geographic distribution. If soil contamination extends below a depth of 20 feet bgs, at least one soil boring should be advanced within the area south of the furnace building basement. Within the area north of the furnace building basement, up to four soil borings within separate subareas should be advanced to delineate the vertical extent of contamination where the most significant contamination is observed. Please present the results from the soil borings in the Site Investigation Report requested below.

2. **Laboratory Analysis of Soil Samples from Borings.** The Work Plan proposes laboratory analysis for total petroleum hydrocarbons as motor oil, diesel and gasoline for only 10 to 15 soil samples from 35 to 40 soil borings. The proposed analyses are not sufficient to characterize contamination from unknown sources. In addition to the limited laboratory analyses proposed, we request that more detailed sampling for laboratory analyses be conducted for each of the soil borings selected for vertical delineation of soil contamination described in technical comment 1 above. For each of the soil borings selected for vertical delineation as discussed in technical comment 1, we request that soil samples be collected for laboratory analysis at a minimum of two depths within the upper five feet, a minimum of one depth between 5 and 10 feet bgs, and at 5 foot intervals below a depth of 10 feet bgs. At a minimum, the soil samples collected within the upper 10 feet are to be analyzed for total petroleum hydrocarbons (TPH) as gasoline, diesel, and motor oil using EPA Method 8015C and volatile organic compounds using EPA Method 8260B that includes analysis for benzene, toluene, ethylbenzene, xylenes, MTBE, and naphthalene. Within intervals in the soil boring where the maximum staining, PID readings, and odor are observed, we request that a minimum of two soil samples be analyzed for the constituents typically required for unknown oil. The analytes include TPH as gasoline, diesel, and motor oil using EPA Method 8015, full scan target list for VOCs, BTEX, MTBE, and lead scavengers (ethylene dibromide and 1,2-dichloroethane) using EPA Method 8260B, PCBs using EPA Method 8082, polycyclic aromatic hydrocarbons (PAHs) and creosote using EPA Method 8270 using EPA method 8270, and metals (Cd, Cr, Pb, Ni, Zn) using EPA Method 6010B. All remaining soil samples not included in the above categories are to be analyzed for TPH as gasoline, diesel, and motor oil using EPA Method 8015C.
3. **Silica Gel Cleanup.** Silica gel cleanup is not approved for laboratory analysis. However, duplicate samples may be analyzed with and without silica gel cleanup for comparison purposes.
4. **Groundwater Sampling from Soil Borings.** The Work Plan does not include plans to collect groundwater samples from the borings. However, based on discussions with Ms. Christina Kennedy of CKG Environmental, Inc., we understand that up to five grab groundwater samples will be collected from the borings. We request that a minimum of five groundwater samples be collected utilizing a HydroPunch or similar groundwater sampling device. The groundwater samples are to be analyzed for TPH as gasoline, diesel, and motor oil using EPA Method 8015 and full scan target list for VOCs, BTEX, MTBE, and lead scavengers (ethylene dibromide and 1,2-dichloroethane) using EPA Method 8260B. Please present the results of the groundwater sampling in the Site Investigation Report requested below.
5. **Confirmation Soil Sampling for Excavation.** Confirmation soil sampling is proposed at a frequency of 20 linear feet along the sidewalls if the excavation sidewalls do not have observable signs of petroleum hydrocarbon impact. No confirmation soil samples are proposed along sidewalls with obvious impact. For those sidewalls where no confirmation sampling is conducted, ACEH requests that the extent of observable petroleum hydrocarbon impact be carefully recorded using logs of the sidewall with depths, observations, and photoionization readings. Please include photo documentation of the final sidewalls for presentation in the final report. . Additional confirmation soil samples or alternate depths of soil sampling may be required if requested during field inspection by ACEH.

6. **Fill Material.** Fill material proposed for import to the site must be tested following the California Department of Toxic Substances Control Information Advisory, Clean Imported Fill Material (DTSC, 2001) and approved by ACEH for import. Use of the DTSC 2001 Advisory to assess the suitability of imported fill is generally acceptable; however, ACEH could potentially request additional information and/or analyses based upon the site history of the fill source. We request that you submit sufficient information to review the suitability of the imported fill including the following:
- 1) A description including maps and/or aerial photos showing the location(s) where the fill came from.
 - 2) Background information and/or reports on the fill source
 - 3) The volume of the fill and the volume that each sample represents.
 - 4) The type of samples - composite or discrete.
 - 5) The type of fill and the heterogeneity.
 - 6) Whether the fill contains any debris or construction material.
 - 7) Whether any staining or odor was observed.
 - 8) Locations and depths where the imported fill is to be placed on site.
 - 9) Laboratory analytical results.

Analytical results may initially be screened against San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (December 2013); however, ACEH will make the final determination on suitability of the fill or reuse of soil based on case-specific conditions and the proposed location of the backfill.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH ftp site (Attention: Jerry Wickham), and to the State Water Resources Control Board's GeoTracker website according to the following schedule and file-naming convention:

- **March 13, 2016** – Site Investigation Report
File to be named: SWI_R_YYYY-mm-dd RO289
- **Pending Schedule for Excavation** – Excavation Report
File to be named: EX_R_YYYY-mm-dd RO289

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 ST system, and require your compliance with this request.

Mark Tussing
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If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org. Online case files are available for review at the following website: <http://www.acgov.org/aceh/index.htm>.

Sincerely,

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Attachment: Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Christina Kennedy, CKG Environmental, Inc., P.O. Box 246, St. Helena, CA 94574 (*Sent via E-mail to: ckennedy@geologist.com*)

Jerry Wickham, ACEH (*Sent via E-mail to: jerry.wickham@acgov.org*)

GeoTracker, eFile

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.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.

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	REVISION DATE: May 15, 2014
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010, July 25, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: 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
 - 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 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.