



ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
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May 20, 2010

Robert Neal (*Sent via E-mail to: [Robert.Neal@o-i.com](mailto:Robert.Neal@o-i.com)*)  
Owens Brockway Glass Container  
3600 Alameda Avenue  
Oakland, CA 94601

Subject: Feasibility Study/Corrective Action Plan for Fuel Leak Case No. RO0000289 and GeoTracker Global ID T0600102223, Owens Brockway Glass, 3600 Alameda Avenue, Oakland, CA 94601

Dear Mr. Neal:

Thank you for the recently submitted document entitled, "Data Gap Investigation Report," dated February 3, 2010, which was prepared by CKG Environmental, Inc. for the subject site. Alameda County Environmental Health (ACEH) staff has reviewed the case file including the above-mentioned report for the above-referenced site. The scope of work implemented was in response to data gaps identified in the April 2009 Site Conceptual Model. Based on the subsurface investigation, CKG concludes the following:

- *Diesel and gasoline has impacted soil and groundwater above ESLs in the Central UST Area;*
- *A previously unknown petroleum hydrocarbon release associated with a former lube oil AST was discovered adjacent to the plant. Soil and groundwater impacts above ESLs occur at this location;*
- *Shallow soil impacts associated with the former fuel oil USTs and a potential waste oil UST adjacent to the south all of the plant were documented in the Western UST Area;*
- *Groundwater and the associated capillary fringe soil in the Western UST Area are impacted with diesel and motor oil range petroleum hydrocarbons;*
- *Groundwater downgradient of the Western UST Area is impacted with diesel and motor oil range petroleum hydrocarbons;*
- *The impacted groundwater extends as far as the Oakland Estuary;*
- *The Sausal Creek Storm sewer may be acting as a hydraulic barrier to impacted groundwater migration;*
- *The distribution of the contaminants does not appear to be controlled by subsurface utilities.*

Accordingly, CKG recommends implementation of interim remedial action consisting of soil excavation with the addition of a chemical oxidant.

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ACEH generally concurs that corrective action is necessary at the site and requests that you address the following technical comments and send us the technical work plan and reports described below.

### **TECHNICAL COMMENTS**

1. **Feasibility Study/Corrective Action Plan** – As mentioned above, CKG recommends interim remedial action at the site. In order to cost-effectively cleanup the site, ACEH recommends preparation of a Feasibility Study/Corrective Action Plan (FS/CAP) to evaluate several cleanup alternatives so that the most cost-effective alternative may implemented. Please note that the UST Cleanup Fund typically reimburses costs for remedial alternatives that have been evaluated to be the most cost-effective alternative for site cleanup. Therefore, ACEH recommends submitting a FS/CAP Plan prepared in accordance with Title 23, California Code of Regulations, Section 2725. The FS/CAP must include a concise background of soil and groundwater investigations performed in connection with this case and an assessment of the residual impacts of the chemicals of concern (COCs) for the site and the surrounding area where the unauthorized release has migrated or may migrate. The FS/CAP should also include, but not limited to, a detailed description of site lithology, including soil permeability, and most importantly, contamination cleanup levels and cleanup goals. Please note that soil cleanup levels should ultimately (within a reasonable timeframe) achieve water quality objectives (cleanup goals) for groundwater in accordance with San Francisco Regional Water Quality Control Board Basin Plan. Please propose appropriate cleanup levels and cleanup goals, including the time frame necessary to achieve both cleanup levels and cleanup goals, in accordance with 23 CCR Section 2725, 2726, and 2727 in the FS/CAP.

The FS/CAP must evaluate at least three viable alternatives for remedying or mitigating the actual or potential adverse effects of the unauthorized release(s) in addition to the “no action” and “monitored natural attenuation” remedial alternatives. Each alternative shall be evaluated for cost-effectiveness and the Responsible Party must propose the most cost-effective corrective action. Please submit the FS/CAP due by the date specified below.

### **NOTIFICATION OF FIELDWORK ACTIVITIES**

Please schedule and complete the fieldwork activities by the date specified below and provide ACEH with at least three (3) business days notification prior to conducting the fieldwork, including routine groundwater sampling.

### **TECHNICAL REPORT REQUEST**

Please submit technical reports to ACEH (Attention: Paresh Khatri), according to the following schedule:

- **July 19, 2010** – Feasibility Study/Corrective Action Plan
- **Due within 30 Days of Sampling** – Semi-annual Monitoring Report (2<sup>nd</sup> Quarter 2010)

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- **Due within 30 Days of Sampling** – Semi-annual Monitoring Report (4<sup>th</sup> Quarter 2010)

Thank you for your cooperation. Should you have any questions or concerns regarding this correspondence or your case, please call me at (510) 777-2478 or send me an electronic mail message at [paresh.khatri@acgov.org](mailto:paresh.khatri@acgov.org).

Sincerely,

Paresh C. Khatri  
Hazardous Materials Specialist

Enclosure: Responsible Party(ies) Legal Requirements/Obligations  
ACEH Electronic Report Upload (ftp) Instructions

cc: Christina J. Kennedy, CKG Environmental, Inc., P.O. Box 246, St. Helena, CA 94574 (*Sent via E-mail to: [ckennedy@geologist.com](mailto:ckennedy@geologist.com)*)  
Mark Tussing, Owens-Brockway Glass Container, Inc., Four O-I Plaza, One Michael Owens Way, Perrysburg, OH 43551-2999 (*Sent via E-mail to: [Mark.Tussing@o-i.com](mailto:Mark.Tussing@o-i.com)*)  
Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032 (*Sent via E-mail to: [lgriffin@oaklandnet.com](mailto:lgriffin@oaklandnet.com)*)  
Donna Drogos, ACEH (*Sent via E-mail to: [donna.drogos@acgov.org](mailto:donna.drogos@acgov.org)*)  
Paresh Khatri, ACEH (*Sent via E-mail to: [paresh.khatri@acgov.org](mailto:paresh.khatri@acgov.org)*)  
GeoTracker  
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.swrcb.ca.gov/ust/electronic\\_submittal/report\\_rqmts.shtml](http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml)).

### 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.

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|---|--|
| <b>Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)</b> | <b>ISSUE DATE:</b> July 5, 2005                                |
|   | <b>REVISION DATE:</b> March 27, 2009                           |
|   | <b>PREVIOUS REVISIONS:</b> December 16, 2005, October 31, 2005 |
| <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

- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection**. (Please do not submit reports as attachments to electronic mail.)
- 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)

#### Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in **Excel** format. These are for use by assigned Caseworker only.

#### 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 [dehloptoxic@acgov.org](mailto:dehloptoxic@acgov.org)  
Or
    - ii) Send a fax on company letterhead to (510) 337-9335, to the attention of My Le Huynh.
  - 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 and Firefox browsers will not open the FTP site.
  - b) Click on File, then on Login As.
  - 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 [dehloptoxic@acgov.org](mailto:dehloptoxic@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.