



State of Oregon  
Department of  
Environmental  
Quality

Oregon Department of Environmental Quality  
Underground Storage Tank Program

## HEATING OIL TANK CONTRACTOR BULLETIN HEATING OIL TANK PROGRAM UPDATE

February 2010

*Our mission is to be an active leader in restoring, maintaining and enhancing the quality of Oregon's air, water and land.*

### Vapor Intrusion Guidance Update

In the coming weeks, a training announcement for the Oregon DEQ Vapor Intrusion (VI) Guidance document will be presented. The one-day training will provide an overview of the guidance document, and provide an opportunity for breakout sessions for HOT, UST, and hot spot investigations. In addition to the guidance document presentations, vendors will be available to demonstrate sampling equipment. Please be sure to sign up to attend the training on this important topic!

### TPH-Dx RBCs for Vapor Intrusion

<http://www.deq.state.or.us/lq/pubs/docs/RBDMTableHOTABridged.pdf>

The Table of Risk-Based Concentrations (Abridged for the HOT Program) has been updated to include TPH-Dx RBCs for soil and groundwater for the VI pathway. Please review the updated values and apply the RBCs to site work beginning immediately.

### Vapor Intrusion Work Plans

The HOT Program requires a work plan to be submitted when soil gas sampling will be conducted at a site. When submitting work plans for DEQ review, you **MUST** complete the VI Checklist found on page 4 of the July, 2009 Service Provider bulletin:

<http://www.deq.state.or.us/lq/pubs/docs/tanks/hot/ContractorBulletin0907.pdf>

In addition, you must present the following in the work plan:

- Estimate of remaining volume of petroleum contaminated soil.
- Map presenting sample locations (including depth of sample) and contaminant concentrations, including constituents, for soil and/or groundwater.
- Type of construction for subject structure (basement, crawlspace, slab-on-grade) and, if applicable, potentially impacted offsite structures.
- Sample locations for soil gas and/or sub-slab sampling.
- Contaminants of concern to be reported for soil vapor analysis.
- Diagram of sampling train to be used, including leak detection.

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- Description of how boreholes will be advanced (auger or direct push).
- Description of borehole and surface seal.
- Estimate of sampling time and vacuum level change.
- Equilibration time between advancement of the borehole and purging.

Note that it may be necessary to locate soil gas sampling points through the sidewall of the basement due to the contaminant plume not being present at a vertical depth beneath the building slab.

## Updates to Service Provider Bulletins and Guidance

The following Guidance Documents and Service Provider Bulletins have been updated:

- **OREGON DEQ HEATING OIL TANKS PROGRAM –PROCESS OVERVIEW, Guidance for HOT Site Assessment and Cleanup – Update**  
<http://www.deq.state.or.us/lq/pubs/docs/tanks/hot/GuidanceHOTSiteAssessmentCU.pdf>

The Guidance document was updated to include information on applicability of rate of reduction calculations, groundwater depth determination, and the HOT Program's Cleanup Agreement for cost recovery sites (see below for information on the Cleanup Agreement).

**Note that the HOT Program requires a site-specific determination of groundwater depth for ALL Risk Based Closure Certifications.**

The following is an excerpt from the Guidance Document:

*The HOT Program requires the completion of a groundwater assessment boring in the presumed down gradient direction of the area just outside of the soil contaminant plume for ALL Risk Based Closure sites. If the completed groundwater assessment boring does not indicate the presence of groundwater beyond 10 feet of the vertical extent of contamination, then it may be concluded that the leaching to groundwater pathway is not complete. Additional vertical assessment of the depth to groundwater may be necessary based on the time of year the assessment is being conducted.*

- **April, 2009 Service Provider Bulletin**  
<http://www.deq.state.or.us/lq/pubs/docs/tanks/hot/ContractorBulletin0904.pdf>

Please be sure to review the documents and replace the older versions with the updated versions.

## **HOT Program's Cleanup Agreement**

The HOT Program's current certification fee of \$200 allows DEQ to provide limited direction and technical assistance to homeowners and Service Providers during assessment and cleanup activities. Complex sites require an increased level of coordination between HOT Project Managers and Service Providers. Therefore, the HOT Program has developed a cost recovery Cleanup Agreement for complex sites. Examples of these types of sites include but are not limited to:

- Long term monitoring due to contamination impacting groundwater or soil vapor.
- Installation of an engineering control.
- Filing of an institutional control to restrict a specific use of the site.
- Where contamination may impact current or future beneficial uses of groundwater or surface water.

HOT Program staff will work in cooperation with licensed HOT Service Providers to determine if the issues associated with site conditions warrant HOT Program Cleanup Agreement enrollment. If so, the HOT Program Cleanup Agreement packet will be mailed to the responsible party for review and completion.

Enrollment in the HOT Program Cleanup Agreement requires an initial deposit of \$500. Once the HOT Program Cleanup Agreement has been signed and the deposit submitted to DEQ, an account will be established for the site. If the HOT Program's project management oversight exceeds the initial deposit of \$500, the responsible party will be billed accordingly. However, a \$1,000 ceiling will be applied for all HOT complex sites.

HOT Service Providers must still certify that the work performed meets the requirements of OAR 340-122-0205 through 340-122-0360 Chapter 340, Division 177. In addition, the certification fee of \$200 will still be required.

### **New Fees for WRD Boreholes**

<http://www1.wrd.state.or.us/pdfs/wellsaid30.pdf>

The following is an excerpt from the Oregon, Water Resources Department newsletter, Well Said:

*Geotechnical holes are constructed to collect or evaluate subsurface data. The Department has required geotechnical hole reports since 1995, whenever geotechnical holes are greater than 18 feet deep, within 50 feet of a water supply or monitoring well, used to determine water quality and open less than 72 hours, or drilled in an area of known or suspected contamination. The Department receives and posts these data on-line, and manages a database with more than 89,000 records. This on-line database*

*receives about 175 "hits" each day. HB 2232 authorizes the assessment of a new fee for processing the reports and maintaining the information online. Starting July 1, a recording fee of \$25 is required for the first geotechnical hole report at a project site. There is a reduced fee of \$10 for each additional report on a project site for holes constructed within a seven-day period. The information on these reports is used by consultants, private entities, local communities, state and federal agencies to design remediation efforts, monitor clean-up operations and make regulatory decisions.*

## **HOT Program Management Update**

In October of 2009, Ed Druback retired after 17 years, 7 months and 7 days of DEQ service. Ed's commitment to protection of human health and the environment began before his service at DEQ and will undoubtedly not end with his retirement. Best wishes for a healthy and fun-filled retirement Ed!

In December of 2009, Bruce Gilles was named HOT Program Manager. Bruce has been an invaluable resource to HOT project management staff over the years and provides a wealth of knowledge and technical support due to his background in analytical chemistry and most notably, his position as Cleanup Program Manager for DEQ's Northwest Region. Welcome Bruce!

## **Electronic Report Submittal**

The HOT Program still encourages Service Providers to submit electronic versions of HOT assessment/cleanup/clean decommissioning reports when submitting hard copy certification reports for review.

Submittal of electronic versions of reports may be submitted along with the report on a CD/DVD or via email to Edie McMorrine at: [mcmorrine.edith@deq.state.or.us](mailto:mcmorrine.edith@deq.state.or.us).

**A hard copy of the certification report must still be submitted to the HOT Program for review.**

## **Miscellaneous Administrative Items**

As mentioned in the March, 2008 bulletin, in order to expedite the processing of reports, please secure documentation with a binder clip. Comb bound or stapled reports are taken apart during processing and require additional time to process.

## Questions?

If you have any questions, please access the DEQ HOT Web site at <http://www.deq.state.or.us/lq/tanks/hot/index.htm>. Persons contacting DEQ via the Internet should use the [contact us](#) feature of the DEQ Web site or send us an e-mail at [hotinfo@deq.state.or.us](mailto:hotinfo@deq.state.or.us). Persons wishing to call, write or visit the HOT tank staff should use the following options:

Call the Northwest Region Office - Eastside, (503) 667-8414. There is not a dedicated receptionist, but the HOT Program extensions are:

- Bruce Gilles, Program Manager – 55009
- Rebecca Wells-Albers, Groundwater and RBC Project Manager – 55005
- Tim Brown, Cleanup Project Manager (including Neil Shaw/Decommission Inc Projects) - 55011
- Edie McMorrine, Program Staff Support/Administration– 55026
- Mary Jane Gilles, Part-time Program Staff Support/Administration – 55019
- Fax us at (503) 674-5148.
- People with hearing impairments may call the Oregon Telecommunications Relay Service at 1-800-735-2900.
- Write or visit us at:

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