



OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
Underground Storage Tank Program

HEATING OIL TANK SERVICES
SERVICE PROVIDER REPORT CERTIFICATION

CLEANUP CHECKLIST

This checklist is divided into five sections. **Section A must be completed for all cleanup projects.** Complete Sections B, C, D, or E as appropriate for the type of cleanup option selected. The checklist must be filled out as completely as possible and any exceptions noted for the certification to be valid.

GENERAL INFORMATION

Tank Owner Name: _____

Tank Site Address: _____

DEQ Cleanup File Number: _____ - _____ - _____.

Date Release Reported: _____

Licensed HOT Service
Provider Company Name: _____

License Number

Expiration Date

✓ **Check each item as complete and correct.** By checking any of the boxes in this checklist, you are indicating that the statement applies to this project. If there are any exceptions to the statement, please note them in the comment area provided at the end of the checklist. If the statement does not apply, please do not check the box.

NOTE: TPH = Total Petroleum Hydrocarbons as diesel by method NWTPH-Dx

Note: The submittal of this checklist does not replace a final cleanup report

This checklist MUST be signed and dated on page 4

SECTION A - ALL CLEANUP PROJECTS

- A1. The release of petroleum was reported to DEQ (OAR 340-163-0020(4)).
- A2. No free product is present or was removed during initial abatement actions.
- A3. Water is present at the site and DEQ was notified. Please note the name of the DEQ Staff person notified and the date of notification _____.
- A4. A site sketch, drawn approximately to scale, is included in the report (OAR 340-122-0345) which clearly shows:
 - The location of all buildings and other key features, both man-made and natural;
 - The names of adjacent streets and properties;
 - The location of all excavations including those that were for the removal of tanks and associated piping as well as those that were strictly for the removal of contaminated soils;
 - The location of all identified underground storage tanks, including those that were decommissioned as well as those that remain on the site in the vicinity of the cleanup;
 - All soil and water sample locations including sample depths and analytical results; and
 - Location of remaining contaminated soil (for risk-based decision making and generic remedy only).
- A5. All soil and/or water samples have been properly collected, coded, stored, shipped, and analyzed as required, and chain-of-custody forms have been filled out (OAR 340-122-0218, 340-122-0340 and 340-122-0345).

CHECK EITHER A6a or A6b, NOT BOTH

- A6a. Petroleum-contaminated soil has been removed from the property and properly handled, disposed of, or treated.
Amount of soil taken off-site for treatment/disposal: _____
Disposal/treatment location: _____

- A6b. No petroleum-contaminated soil removal occurred.

- A7. A report has been prepared which includes a detailed description of everything that was observed and performed at the site and contains all of the information required by (check one):
 - OAR 340-122-0360 and OAR 340-177-0055
 - DEQ's "Heating Oil Tank Generic Remedy Guidance Document" (January 24, 2000)
 - DEQ's "Risk-Based Decision Making for the Remediation of Petroleum-Contaminated Sites" (September, 2003)

For Soil Matrix cleanup project, complete Section B.



For Generic Remedy cleanup project, complete Section C.



For Risk-Based cleanup project (simple, soil-only), complete Section D.



Complete Section E for:

All sites where groundwater is encountered and soil matrix standards for closure are not met.
All sites where heating oil tank constituent concentrations exceed the risk based concentrations in
Appendix A of the DEQ's "Risk-Based Decision Making for the Remediation
of Petroleum-Contaminated Sites" (September, 2003).

SECTION B - SOIL MATRIX CLEANUP

- B8. No contaminated soil exceeding the soil matrix level established for this site remains onsite. If a pocket of contamination exceeding the matrix level remains, use the appropriate checklist in Section C, D, or E instead.

CHECK EITHER B9a or B9b, NOT BOTH

- B9a. TPH concentrations were all below 100 mg/kg.
- B9b. TPH concentrations greater than 100 mg/kg remain in the soil and a Matrix Score Sheet has been completed. Supporting documentation for the matrix evaluation is included in the report. This project is a (check one):
- Level 2 site (500 ppm TPH)
 - Level 3 site (1,000 ppm TPH)
- B10. Groundwater was encountered, but no benzene, toluene, ethylbenzene, and total xylenes (BTEX) or polynuclear aromatic hydrocarbons (PAHs) were detected in water above risk-based concentrations. No BTEX was detected in soil samples collected from the soil/water interface pursuant to OAR-340-122-340.

SECTION C - GENERIC REMEDY

- C8. Contamination is limited to soil only, and the remaining contaminated soil is a minimum of _____ feet above the seasonal high groundwater level.
- C9. The magnitude and extent of contamination has been clearly delineated both horizontally and vertically to at least 500 mg/kg TPH.
- C10. The volume of contaminated soil remaining in the subsurface above 500 mg/kg TPH is less than 65 cubic yards. Volume calculations are included in the cleanup report.
- C11. Any contaminated soil left in place is deeper than 3 feet below ground surface.
- C12. The maximum heating oil TPH concentration remaining in the soil is less than 10,000 mg/kg. The maximum TPH concentration detected remaining in the soil is _____ (mg/kg).
- C13. Contaminated soil left in place is greater than 2,500 mg/kg TPH. A representative soil sample was collected from the most contaminated soil remaining at the site and analyzed for benzene, ethylbenzene and naphthalene. No benzene detected in the soil in excess of 0.1 ppm, no ethylbenzene detected in soil in excess of 0.82 ppm and no naphthalene in soil in excess of 6.5 ppm.

SECTION D - SOIL ONLY RISK-BASED EVALUATIONS

- D8. Contamination is limited to soil only. The magnitude and extent of heating oil contamination (as TPH), has been clearly delineated vertically and horizontally (OAR 340-122-0240). *Note: It is often a site-by-site decision on the adequacy of this determination. Contact the Department if there are questions on this issue.*
- D9. A sample representative of the most contaminated soil remaining at the site was obtained and analyzed. No BTEX or PAHs were detected in the soil in excess of any risk-based concentration in DEQ's "Risk-Based Decision Making for the Remediation of Petroleum Contaminated Sites" (September 2003) guidance document.

**SECTION E - GROUNDWATER AND
COMPLEX RISK-BASED EVALUATIONS**

*Note: These certifications are complex and may require Department involvement.
Please contact the Department for assistance as appropriate.*

- E8. The magnitude and extent of heating oil contamination as TPH in soil, and BTEX & PAHs in groundwater, have been clearly delineated vertically and horizontally (OAR 340-122-0240). *Note: It is often a site-by-site decision on the adequacy of this determination. Contact the Department if there are questions on this issue.*

- E9. A mass balance calculation for vapor intrusion into the structure of benzene was performed using the air screening model posted on the Department's web page @ www.deq.state.or.us/lq/tanks/hot/screeningmodel.htm.

- E10. A detailed risk based evaluation has been conducted and the site has been found to be in compliance with OAR 340-122-0205 through 340-122-260. A detailed report documenting the finding has been prepared.

General Comments: _____ _____ _____ _____ _____ _____ _____ _____ _____
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SIGNATURE

Licensed HOT
Supervisor Name: _____
(please print)

License Number Expiration Date

Check the correct box for each section completed in this checklist:

- Section A *AND* Section B *OR* Section C *OR* Section D *OR* Section E

“By my signature below, I state that the information contained in this checklist is true and complete to the best of my knowledge.”

Supervisor Signature: _____ Date: _____

Note: If more than one supervisor was involved with the project, please add a second sheet with the license information and a signature block.