



Interlachen Community Fact Sheet #8

Groundwater Contamination in East Multnomah County

Technical Report EWR-3-96

DEQ's Proposed Clean Up Plan for the Cascade Corporation Site, Troutdale Gravel Aquifer

Goals

- Restore groundwater in the TGA to the lowest protective concentrations, if feasible in a reasonable time. If this is not feasible, minimize the extent of the groundwater contamination that contains VOCs above the drinking water standard MCLs, or 1×10^{-6} excess cancer risk levels if they are lower than MCLs, and provide long-term containment for areas where concentrations are above MCLs or risk-based cleanup levels.
- Prevent ingestion of groundwater containing VOCs at concentrations above MCLs or risk-based cleanup levels.
- Protect wildlife by preventing groundwater discharge to surface water at VOC or chromium levels exceeding ambient water quality criteria.
- Prevent the further spread of groundwater contamination exceeding risk based protective cleanup levels.
- Reduce contaminant concentrations in and prevent contaminant migration from unsaturated zone soil to the extent necessary to achieve the groundwater cleanup levels.

Recommended Cleanup

The Department of Environmental Quality recommends the alternative shown below (Alternative 3) for the cleanup of the soil and TGA groundwater contamination at the Cascade Corporation site. Please also refer to **Fact Sheet #8a.**

- Soil remediation in Areas 1 through 3 using soil vapor extraction with possible expansion to Areas 4 through 6 based on additional soil gas monitoring for VOCs;

- Groundwater remediation, including operation of the current on-site extraction wells and off-site groundwater recovery trench, and groundwater extraction from an additional 9 extraction wells on-site;
- Air sparging in Areas 1 through 3, to promote volatilization of VOCs from soil and groundwater for recovery by the SVE system; enhanced recovery of floating product in the area of the former underground storage tanks;
- Contingency measures to provide for long-term hydraulic control of zones of groundwater contamination that cannot be cleaned up to protective levels;
- Maintenance of existing paved areas to limit the potential for future exposure to soil contamination by on-site workers; and
- Institutional controls such as deed restrictions preventing future use of shallow groundwater at the site until cleanup is achieved.