



## **Interlachen Community Fact Sheet #7**

### **Groundwater Contamination in East Multnomah County**

**Technical Report EWR-3-96**

### **DEQ's Proposed Clean Up Plan for the Troutdale Sandstone Aquifer**

#### **Goals**

- Restore the TSA to protective concentrations, if feasible, in a reasonable time. If this is not feasible, minimize the extent of the TSA containing VOCs above drinking water MCLs, or  $1 \times 10^{-6}$  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 TSA groundwater that contains VOCs at concentrations above MCLs or risk-based cleanup levels.
- Protect fish and wildlife by preventing discharge to surface water of groundwater that has concentrations of VOCs that may exceed ambient water quality criteria.
- Prevent the further spread of contamination in the TSA to the extent practicable.
- Protect groundwater quality in the SGA and BLA.
- Allow existing use of groundwater resources in east Multnomah County.

#### **Recommended Cleanup**

The Department of Environmental Quality recommends the alternative described below (Alternative 5) including possible variations as described in DEQ's Alternatives 5A through 6 for the TSA contamination area. The final configuration of Alternative 5 will be determined during the remedial design and initial implementation. The goal will be to improve the cleanup time for Alternative 5 by increasing the number, location, and extraction rates from those specified in the preliminary design in the Feasibility Study and/or by adding re-injection or re-infiltration of treated groundwater to increase the flushing of contaminants from the aquifer. **Fact Sheet #7a** illustrates potential extraction well locations for the recommended alternative. The recommended remedy would need to be designed to meet the following criteria:

- Restore the TSA to MCL cleanup levels within 10 years of Implementation of Phase 2 of the remedy in the area north of Sandy Boulevard, east of 205<sup>th</sup> Avenue, and in the western two-thirds of the Boeing facility;
- Restore the remaining portion of the TSA to cleanup levels within 20 years of implementation of Phase 1 of the remedy;
- Control horizontal spreading of the TSA contaminated groundwater plume at all times, including during pumping of the PWB south shore well field; and
- Control vertical migration of the TSA contaminated groundwater in areas where CU2 is thin or absent and the lower TSA is contaminated at or above MCLs. This criteria would apply during operation of all the PWB SGA supply wells for 60 days annually, or 90 days annually, if PWB supply wells 7, 8, and 14 are not pumped.