
18.32.230 - Drinking Water (Wellhead) Protection Areas - Hydrogeological Report

A. If the department determines that where risks from on-site activities within a drinking water protection area are not well known, or where site specific assessment is necessary to determine mitigation levels above the minimum standards outlined in OMC 18.32.225, a hydrogeological report shall be required. This report shall identify the proposed development plan and the risks associated with on-site activities which may degrade the groundwater within a designated wellhead protection area.

B. This report shall be prepared, signed, and dated by a state-licensed geologist or hydrogeologist.

C. A Hydrogeological Report shall contain:

1. Information sources;
2. Geologic setting, including well logs or borings;
3. Background water quality;
4. Groundwater elevations;
5. Location and depth of perched water tables;
6. Recharge potential of facility site (permeability/transmissivity);
7. Groundwater flow direction and gradient;
8. Available data on wells located within 1/4 mile of the site;
9. Available data on any spring within 1/4 mile of the site;
10. Permanent and seasonal surface water locations and recharge potential;
11. Any proposed monitoring sampling schedules;
12. Analysis of the possible effects on the groundwater resource of the proposed project including the storage or use of any hazardous materials;
13. Discussion of potential mitigation measures, should it be determined that the proposed project will have an adverse impact on groundwater resources;
14. Information required under Washington Department of Ecology Publication 05-10-028, as amended; and
15. Any other information as required by the Department.

(Ord. 6648 §14, 2009; Ord. 6356 §5, 2005).