

Groundwater Protection Checklist

Project Name:

Date Report Reviewed :

Reviewed by:

Wellhead Protection Area:

Note: Items that are checked have been adequately addressed in the report.

1) Hydrogeological Report Requirement (OMC Chapter 18.32.230)

OMC 18.32.230. As stated in the OMC, Hydrogeological Reports “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.” The report is required to “be prepared, signed, and dated by a state-licensed geologist or hydrogeologist”, and include the following:

- Information sources clearly identified
- Geologic setting, including well logs or borings;
- Background water quality;
- Groundwater elevations
- Location and depth of perched water tables
- Recharge potential of facility site (permeability/transmissivity).
- Groundwater flow direction and gradient;
- Available data on wells located within 1/4 mile of the site;
- Available data on any spring within 1/4 mile of the site;
- Surface water locations and recharge potential;
- Any proposed monitoring sampling schedules;
- Analysis of the possible effects on the groundwater resource of the proposed project including the storage or use of any hazardous materials;
- Discussion of potential mitigation measures, should it be determined that the proposed project will have an adverse impact on groundwater resources

Information required under Washington Department of Ecology Publication 97-30, as amended; and

Any other information as required by the Department.

2) Pollution Prevention Plan Requirement (OMC Chapter 18.32.235)

Chapter 18.32.235 states: “if it is determined by the Department that the new development or expansion may reasonably be expected to pose a significant environmental risk to the water sources – an applicant shall submit a Pollution Prevention Plan for review”

At a minimum. The Pollution Prevention Plan shall include:

A grant to the Department of access to the site and plan implementation records upon request

Best management practices

Hazardous material use, storage and disposal practices

Description of employee education

Description of on-site monitoring, and

Procedure for implementation including record keeping and verifying effective implementation.