

# Groundwater Protection Checklist

Note: This checklist is used by City staff during their review of non-exempt projects that lie within Drinking Water (Wellhead) Protection Areas. Items that are checked have been addressed adequately by the applicant.

<b>Project Name:</b>	
<b>Date Report Reviewed :</b>	
<b>Reviewed by:</b>	
<b>Drinking Water (Wellhead) Protection Area and time-of-travel zone<sup>1</sup>:</b>	
<p><b>Exempt Uses (OMC Chapter 18.32.210)</b></p> <p>Is the proposed use exempt?    ___ Yes    ___ No</p> <p><b>Prohibited Uses (OMC Chapter 18.32.215)</b></p> <p>Is the proposed use prohibited?</p> <ul style="list-style-type: none"> <li>• Within the 6-month and 1-year time-of travel zones                    ___ Yes    ___No</li> <li>• Within the entire Drinking Water (Wellhead) Protection Area   ___ Yes    ___No</li> </ul>	
<p><b>Drinking Water (Wellhead) Protection - Minimum Mitigation Requirements (OMC Chapter 18.32.225)</b></p> <p>OMC 18.32.225. As stated in the OMC, “Every application for a non-exempt development permit within a drinking water (wellhead) protection area shall meet these minimum standards for mitigation.”</p>	
<input type="checkbox"/>	<p>If the proposal indicates the use, storage, handling or disposal of hazardous materials above the minimum quantity thresholds listed in 18.32.235, the applicant shall submit a hazardous materials management (spill) plan as outlined in 18.32.235.</p>

<sup>1</sup> Code only applies within Olympia city limits. Visit the “protection areas” pages to view maps of Drinking Water (Wellhead) Protection Areas.

<input type="checkbox"/>	<p>Landscaping and irrigation plans that mitigate the leaching of soluble contaminants into groundwater. These plans shall meet the requirement of OMC 18.36 and in addition incorporate the following requirements:</p> <ul style="list-style-type: none"> <li>• Within the landscaping plans, the Stormwater Operations and Maintenance Agreement, and the Conditions, Covenants and Restrictions regarding fertilizers, insert the following specific passage, "Only slow release fertilizers shall be applied for the life of the development at a maximum amount of 4 lbs. of nitrate as Nitrogen annually and no more than 1 lb. per application for every 1,000 square feet of turf grass. Only fertilizer formulas with a minimum of 50% water insoluble form of nitrogen are permitted for use. Approved water insoluble forms of nitrogen include sulfur and/or polymer coated fertilizers, Isobutylidene diurea (IBDU), Methylene Urea and Ureaform, and organic fertilizers registered with the Washington State Department of Agriculture."</li> <li>• The total turf area of the development will be limited to 25% of the total regulated landscaped area. All additional plantings will include native and/or drought tolerant plants as listed in the Thurston County Common Sense Gardening Plant List or a similar list approved by the department.</li> <li>• Irrigation systems shall be designed and managed to maximize efficient use of water. Lawns will not be watered more than a depth of 1 inch per week over the area of turf. An irrigation consultation will be required at the time the irrigation system is installed to determine precipitation rates and uniformity of system. Consultations will be conducted by an Irrigation Association Certified Landscape Irrigation auditor.</li> </ul>
<input type="checkbox"/>	<p>A well inventory report. Any existing wells shall be identified on a map, with an assessment of their condition, photographs, and well logs (if available). Wells that are not being used for ongoing domestic water use, irrigation, or monitoring will be decommissioned by the applicant following the procedures in WAC 173-160-381.</p>
<input type="checkbox"/>	<p>A grant to the department for the purposes of:</p> <ul style="list-style-type: none"> <li>• Providing pollution prevention outreach to residents, employees, and contractors. Access may include but is not limited to: interpretive sign installation, model home displays, demonstration sites, conducting interviews and surveys, observing practices, and distributing informational materials.</li> <li>• Ensuring compliance with items described under 18.32.225, section A above.</li> <li>• The grant of access shall be included in the Stormwater Operations and Maintenance Agreement and the Conditions, Covenants, and Restrictions for the project.</li> </ul>
<input type="checkbox"/>	<p>A dedicated groundwater monitoring well is required in situations where infiltration of stormwater is proposed, or where other groundwater contamination risks or monitoring needs are identified. The wells will be installed and equipped by the applicant to City standards.</p>

## **Alternative Mitigation**

The city may allow alternatives to the minimum mitigation standards described in this section in unique conditions and on a case-by-case basis when the applicant demonstrates that:

- The project has been evaluated by a Hydrogeological Report as described in OMC 18.32.230; and
- Based upon the Hydrogeological Report and the best available science, the proposed alternative mitigation measures will be adequate to protect the drinking water source.

## **Questions?**

For questions, please contact Liz Hoenig, City of Olympia, Groundwater Protection Program at (360) 753-8152 or [lhoenig@ci.olympia.wa.us](mailto:lhoenig@ci.olympia.wa.us).

## **Need More Information?**

Contact the Public Works office at (360) 753-8588, (360) 753-8270 (TTY).



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*Updated August 2009*