 <p>THURSTON COUNTY Washington Est. 1852</p> <p>Public Health &amp; Social Services POLICY</p>	<b>Policy Title</b> SEWAGE SYSTEM DESIGN STANDARDS FOR SUMMIT LAKE BASIN	
	<b>Number</b> ONST.20.POL.801	<b>Effective Date</b> 06/21/2023
	<b>Latest Approval Date</b> 06/21/2023	<b>Approved By</b> Art Starry
	<b>Next Review Date</b> 06/21/2029	
<b>POLICY INTENT</b>		
<b>Purpose</b>	<p>The steep slopes and geology of the Summit Lake Basin result in rapid runoff, localized flooding, peak flows in seasonal streams, and other associated drainage problems during periods of heavy rainfall. The soils in the basin are often of shallow depth above layers of fractured basalt and are periodically subjected to high water table conditions. The treatment potential available in these soils for on-site sewage disposal is generally poor. A Public Health Advisory regarding the use of Summit Lake as a source of drinking water has been in effect since February 1987. Given the sensitivity of this area, the Department has established standards for on-site sewage systems that are more stringent than the minimum Sanitary Code requirements and are intended to provide a higher level of protection to Summit Lake and its tributaries.</p>	
<b>Scope</b>	<input checked="" type="checkbox"/> Internal Only <input checked="" type="checkbox"/> Direct Impact to Citizens	
<b>Are Office/Department Documents on this subject permitted?</b>	<input checked="" type="checkbox"/> Yes, the policy clarifies regulations used only by the Environmental Health Division (Article IV and WAC 246-727A).	<input type="checkbox"/> No
<b>POLICY STATEMENT</b>		
<b>MINIMUM STANDARDS FOR NEW CONSTRUCTION</b>		
<ol style="list-style-type: none"> <li><u>36" thirty-six inches of vertical separation below a pressurized drainfield is required.</u> This separation can be reduced to as low as 12" if the pre-treatment or disposal component or a combination of both meet Treatment Level B, such as a sand filter preceding a pressurized drainfield, a mound with 24 inches of ASTM C-33 sand, or a proprietary product with public domain technology.</li> <li><u>A 100' (one hundred foot) horizontal setback is required between any disposal component and the lake or any of its tributaries.</u></li> </ol> <p>Reductions in the horizontal setback from a disposal component to surface water in the Summit Lake Basin <b>shall not be granted</b> regardless of the level of treatment provided by the sewage system components. All other setbacks, such as to suction lines on water systems, are stated in <i>Article IV Rules and Regulations of the Thurston County Board of Health Governing Disposal of Sewage, Chapter 246-272A WAC</i>; and other applicable documents (such as Recommended Standards &amp; Guidance documents produced by the Washington State Department of Health).</p> <p>Exception: Repairs will follow Table VI of Article IV to the maximum extent permitted by the site.</p> <ol style="list-style-type: none"> <li><u>Drainage plans are required in all cases unless technical justification is submitted showing that drainage issues will not affect the subject property.</u></li> </ol> <p>The drainage plan must include information on runoff or subsurface drainage potential given site conditions and provide specifications for installation of properly sized interceptor drains to mitigate drainage related impacts to sewage system components and other improvements on the property. An appropriately qualified professional, such as a Professional Engineer having expertise in drainage issues, must prepare the plan. Drainage plans will be reviewed in</p>		

cooperation with Public Works. This requirement may be waived if technical justification is submitted showing that the sewage system site will not be impacted by storm water and drainage related issues.

4. The Department may withhold sewage system permits on parcels known or strongly suspected to be impacted by drainage or water table issues until a determination can be reached by observing the property during the rainy season.

An Environmental Health decision on an application in the Summit Lake Basin may be deferred until adequate site-specific observations have been made during the winter months-generally considered to be December 1<sup>st</sup> through March 31<sup>st</sup>.

#### DEFINITIONS AND ACRONYMS


Insert Term	N/A
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#### RELEVANT LAWS AND OTHER SUPPORTING INFORMATION

<b>County Code</b> <b>State Law</b> <b>State Rule</b> <b>Other Sources</b>	WAC 246-272A Article IV
<b>Superseded Documents</b>	ONST.05.POL.801
<b>Supporting Documents</b>	N/A
<b>Related Documents</b>	ONST.20.POL.843 ONST.20.GUI.843
<b>Communication and Implementation Strategy</b>	The Policy Administrator will: <ul style="list-style-type: none"><li>• Coordinate the review of the Office/Department Documents to ensure consistency.</li><li>• Send signed updated policy to OSS Professionals and Staff through Constant Contact e-mail.</li><li>• Post signed updated policy to Division's OSS Professionals Webpage</li></ul>

#### POLICY ADMINISTRATION

<b>Policy Owner</b>	Steve Petersen, Program Manager, Environmental Health Division	
<b>Contact Person</b> (if different from above)		
<b>Roles and Responsibilities</b>	Laura Blakely	Policy Administrator

REVISION HISTORY		
Effective Date	Approved By	Modifications
06/21/2023	 Art Starry/Environmental Health Director	<ul style="list-style-type: none"> <li>• Policy Updated</li> <li>• Changed Treatment Standard 2 to Treatment Level B</li> <li>• Updated equivalencies with 12" vertical separation</li> <li>• Changed Development Review to Public Works</li> <li>• Changed Wet Season to Rainy Season to match ONST.20.POL.843 and ONST.20.GUI.843</li> <li>• Added exception to Item 2.</li> </ul>
Xx/xx/xxxx	_____ Name/Title	
Xx/xx/xxxx	_____ Name/Title	
Reviewers of the Current Revision	Brad Sangston/Environmental Health Specialist II _____ Name/Title	_____ Name/Title
	Steven Davies/Environmental Health Specialist II _____ Name/Title	_____ Name/Title
	_____ Name/Title	_____ Name/Title

FURTHER INFORMATION	
This section is not published on the final PDF document. It is for website purposes only	
Keywords for search engine	Summit Lake, Repairs, Design Standards