



GROUND WATER MONITORING REQUIREMENTS

Checklist for Review of Solid Waste Permit Application
per WAC 173-350-400(5)

<input type="checkbox"/> Site characterization report prepared by a ground water scientist <i>WAC 173-350-500(2)</i>	Location of material	Complete	Meets Requirements	Date & Initials of Reviewer)
Summary of local and regional geology and hydrology (2)(a)		<input type="checkbox"/>	<input type="checkbox"/>	
Site-specific borehole program per (2)(b)		<input type="checkbox"/>	<input type="checkbox"/>	
Site-specific flow path analysis per (2)(c)		<input type="checkbox"/>	<input type="checkbox"/>	
Information about private or public wells within 2,000 foot radius per (2)(d)		<input type="checkbox"/>	<input type="checkbox"/>	
Tabulation of all water rights for ground water and surface water within two thousand-foot (610 m) radius, measured from site boundary (2)(e)		<input type="checkbox"/>	<input type="checkbox"/>	
Identification and description of surface waters within 1 mile (1.6 km) radius, measured from site boundaries (2)(f)		<input type="checkbox"/>	<input type="checkbox"/>	
Previous site ground water and surface water analytical data (2)(g)		<input type="checkbox"/>	<input type="checkbox"/>	
For expanded facility, identification of impacts of the existing facility upon ground and surface waters from landfill leachate discharges to date (2)(g) NA <input type="checkbox"/>				
Calculation of site water balance (2)(h)		<input type="checkbox"/>	<input type="checkbox"/>	
Conceptual design of ground water and surface water monitoring systems (2)(i)		<input type="checkbox"/>	<input type="checkbox"/>	
If applicable, vadose monitoring system, including proposed construction and installation methods for those systems (2)(i) NA <input type="checkbox"/>				
Description of land use in area including nearby residences (2)(j)		<input type="checkbox"/>	<input type="checkbox"/>	
Topographic map of site and drainage patterns, including an outline of the waste management area, property boundary, proposed ground water monitoring well locations, and township and range designations (2)(k)		<input type="checkbox"/>	<input type="checkbox"/>	
Geologic cross-sections (2)(l)		<input type="checkbox"/>	<input type="checkbox"/>	
Agency Comments:				
<input type="checkbox"/> Ground water monitoring system design <i>WAC 173-350-500(3)</i>	Location of material	Complete	Meets Requirements	Date & Initials of Reviewer)
Demonstration that the ground water monitoring system design and reports meet the criteria per (3)(a)		<input type="checkbox"/>	<input type="checkbox"/>	

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Demonstration that the upgradient monitoring wells (background wells) meet the performance criteria per (3)(b)		<input type="checkbox"/>	<input type="checkbox"/>	
Demonstration that the downgradient monitoring wells (compliance wells) meet the performance criteria per (3)(c)		<input type="checkbox"/>	<input type="checkbox"/>	
Monitoring well construction in accordance with standards per (3)(d)		<input type="checkbox"/>	<input type="checkbox"/>	
Demonstration that the operation and maintenance procedures for wells, piezometer, and other measuring, sampling and analytical devices will ensure they perform to design specifications throughout the life of the monitoring program (3)(f)		<input type="checkbox"/>	<input type="checkbox"/>	
Agency Comments:				
<input type="checkbox"/> Ground water sampling and analysis plan procedures and techniques for: <i>WAC 173-350-500(4)</i>	Location of material	Complete	Meets Requirements	Date & Initials of Reviewer)
The compliance sampling and analysis plan includes procedures and techniques for the following: (4)(a)				
Sample collection and handling		<input type="checkbox"/>	<input type="checkbox"/>	
Sample preservation and shipment		<input type="checkbox"/>	<input type="checkbox"/>	
Analytical procedures		<input type="checkbox"/>	<input type="checkbox"/>	
Chain-of-custody control		<input type="checkbox"/>	<input type="checkbox"/>	
Quality assurance and quality control		<input type="checkbox"/>	<input type="checkbox"/>	
Decontamination of drilling and sampling equipment		<input type="checkbox"/>	<input type="checkbox"/>	
Procedures to ensure employee health and safety during well installation and monitoring		<input type="checkbox"/>	<input type="checkbox"/>	
Well operation and maintenance procedures		<input type="checkbox"/>	<input type="checkbox"/>	
For facilities collecting leachate, leachate sampling and analysis included as part of the compliance monitoring (4)(b) <p style="text-align: right;">NA <input type="checkbox"/></p>				
The ground water monitoring program includes sampling and analytical methods that are appropriate for ground water samples per (4)(c)				
Demonstration that the ground water measurement requirements of (4)(d) – (4)(k) will be met				
Agency Comments:				