



# **Underground Injection Control (UIC) Stormwater Management Program (SWMP) Components**

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For the

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### Related Information

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<sup>1</sup> [www.ecology.wa.gov/contact](http://www.ecology.wa.gov/contact)

# Department of Ecology's Regional Offices

## Map of Counties Served



<b>Southwest Region</b> 360-407-6300	<b>Northwest Region</b> 425-594-0000	<b>Central Region</b> 509-575-2490	<b>Eastern Region</b> 509-329-3400
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Region	Counties served	Mailing Address	Phone
<b>Southwest</b>	Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Mason, Lewis, Pacific, Pierce, Skamania, Thurston, Wahkiakum	PO Box 47775 Olympia, WA 98504	360-407-6300
<b>Northwest</b>	Island, King, Kitsap, San Juan, Skagit, Snohomish, Whatcom	3190 160th Ave SE Bellevue, WA 98008	425-649-7000
<b>Central</b>	Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, Yakima	1250 W Alder St Union Gap, WA 98903	509-575-2490
<b>Eastern</b>	Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, Whitman	4601 N Monroe Spokane, WA 99205	509-329-3400
<b>Headquarters</b>	Across Washington	PO Box 46700 Olympia, WA 98504	360-407-6000

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# Underground Injection Control (UIC) Stormwater Management Program (SWMP) Components

To prevent redundancy between the Underground Injection Control (UIC) program rule and the Phase I and II Municipal Stormwater National Pollutant Discharge Elimination System (NPDES) Permits (MS4 Permits), the UIC program rule allows jurisdictions that own or operate Class V UIC wells and are also covered under the Phase I or II MS4 permit to satisfy UIC requirements by the presumptive approach, pursuant to [WAC 173-218-090 \(1\)\(c\)\(C\)](#), in the manner described below.

The UIC Program rule, chapter 173-218 WAC, is the regulatory authority for UIC wells in Washington. The UIC program rule applies to Class V wells that receive stormwater regardless of whether a UIC well is located in a jurisdiction covered under the MS4 Permits or not. The rule also applies regardless of whether the UIC well is municipally or privately owned. The MS4 Permits do not authorize stormwater discharges to groundwater through UIC wells. However, if the overflow or surface discharge from a UIC well drains to the MS4, then the MS4 Permit does authorize the discharge and the conditions of the MS4 Permit directly apply. No discharge or overflow to an MS4 means the UIC well is designed to manage:

- In Western Washington, the entire runoff file from the Western Washington Hydrology Model.
- In Eastern Washington, Ecology recommends using the larger of: the volume of runoff from a 100-year, 3-hour storm, or a 100-year, 72-hour storm.

To use the presumptive approach to meet UIC Program rule authorization for municipal Class V UIC wells, jurisdictions have the option of applying a Stormwater Management Program (SWMP) that complies with their MS4 Permit to the areas served by their municipal UIC wells or use the other approaches or combination of approaches as listed below. Jurisdictions not covered by the MS4 Permits must also use one or a combination of the following approaches:

1. Have a single jurisdiction-wide Stormwater Management Program (SWMP) that combines requirements for both the municipal UIC wells and the municipal separate storm sewer system (MS4); and or
2. Have a separate and distinct SWMP developed specifically for the municipal UIC wells in the jurisdiction; and or
3. Create a Stormwater Site Plan (SSP) for the area served by each municipal UIC well and complete a well assessment for each municipally owned existing (in use before 2/3/2006) UIC well.

The requirements for these SWMPs and SSPs are outlined below.

# Stormwater Management Program (SWMP) Outline for UIC Wells

Municipalities choosing to develop and implement a SWMP (either separately or in combination with the MS4 SWMP) in areas served by Class V UIC wells must:

1. Register all UIC wells, including existing (in use before 2/3/2006) and new UIC wells with Ecology, unless already registered. Registration is only required once for each UIC well.
2. Complete the well assessment for UIC wells in use prior to 2/3/2006, if not already completed. For information on a well assessment, go to the UIC section, Well Assessment subsection, in one of the 2019 2Ecology Stormwater Manuals.
3. Site, design, construct, operate, and maintain new UIC wells according to the specifications throughout 2019 Stormwater Management Manual for Eastern Washington (SWMMEW) Chapter 5.6 Subsurface Infiltration or 2019 Stormwater Management Manual for Western Washington (SWMMWW) Section I-4 Underground Injection Control Wells. Fulfill the source control and operation and maintenance requirements for new and existing (in use before 2/3/2006) municipal UIC wells by:
  - a) Operation and maintenance of existing wells according to the specifications throughout SWMMEW Chapter 5.6 Subsurface Infiltration or SWMMWW Section I-4 Underground Injection Control Wells.
  - b) Providing source control activities (including targeted education and outreach) that are well-suited for the land uses associated with your UIC wells and to the specifications in 2019 SWMMEW or 2019 SWMMWW.
  - c) Providing Illicit discharge detection and elimination programs in areas served by their UIC wells to prevent pet wastes from contaminating stormwater and to control other sources of pathogens.

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<sup>2</sup> <https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Stormwater-permittee-guidance-resources/Stormwater-manuals2019> Ecology Stormwater Manuals

# Stormwater Site Plan (SSP) Outline for UIC Wells not located within a SWMP

Municipalities choosing to not develop and implement a SWMP in areas served by Class V UIC wells, or to develop a SSP for one or more wells not covered by a SWMP, must:

1. Conduct a well assessment for each existing (in use before 2/3/2006) UIC well, if not already completed, and
2. Create a Stormwater Site Plan (SSP) for the area served by each new and existing municipal UIC well.
3. Site, design, construct, manage, operate, and maintain all new municipal UIC wells according to the requirements throughout 2019 SWMMEW, Chapter 5.6 or 2019 SWMMWW, Section I-4 Subsurface Infiltration (Underground Injection Control Wells).
  - a) Include source control best management practices applicable to the activities present in the area and describe operation and maintenance procedures to keep the UIC wells functioning properly to provide necessary treatment to protect groundwater.
  - b) Provide illicit discharge detection and elimination programs in areas served by their UIC wells to prevent pet wastes from contaminating stormwater and to control other sources of pathogens.