



Underground Injection Control (UIC) Well Registration Form for Municipal Stormwater County and City Roads and Parking

The purpose of this form is to register with the Washington State Department of Ecology municipally owned UIC wells used to manage stormwater.

A. Contact Information

Well Owner

Name: _____

Organization: _____

Address: _____

City: _____ State _____ Zip _____

Phone: _____

Email: _____

Technical Contact Person (Engineer, Contractor, Consultant)

Name: _____

Organization: _____

Address: _____

City: _____ State _____ Zip _____

Phone: _____

Email: _____

Facility Name and Location (optional for Municipalities)

Facility Name: _____

Facility Address: _____

City: _____ State _____ Zip _____

Phone at the facility: _____

Email _____

County: _____

B. Protecting Water Resources

If a UIC well is in a Well Head Protection Area, Critical Aquifer Recharge Area, or other ground water protection area, local government may have additional ordinances or requirements.

NPDES Stormwater Permits

Has an NPDES stormwater permit been issued for your municipality? Yes No

If yes, for existing wells apply the NPDES stormwater program requirements, such as source control and operation and maintenance to your UIC wells. A well assessment for the existing wells (built and in use prior to 2/3/06) must also be completed, see chapter 173-218-090 (2). For new wells built after 2/3/2006, follow the *Guidance for UIC Wells that Manage Stormwater*, for design criteria (or an equivalent department approved local manual if UIC well design is covered).

NPDES Permit Number: _____

Table 1: Complete Table 1 for all UIC Wells

	1	2	3	4	5	6	7
Owner's Well ID							
Right-of-way Location							
Construction Date							
Latitude (decimal format)							
Longitude (decimal format)							
EPA well type (see table below) ¹							
Status (Active, <u>U</u> nused, Closed, <u>P</u> roposed)							
UIC construction type ²							
If infiltration trench, was it constructed in accordance with approved stormwater manual at time of construction? ³	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Depth of UIC well							
Within 1000 feet of surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 100 feet of a drinking water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Zoning (Commercial, Residential, Industrial, Other (describe))							
Within a Ground Water Protection Area? (Well Head Protection Zone (WHPZ), Critical Aquifer Recharge Area (CARA), or Other (describe))	<input type="checkbox"/> No <input type="checkbox"/> WHPZ <input type="checkbox"/> CARA <input type="checkbox"/> Other _____	<input type="checkbox"/> No <input type="checkbox"/> WHPZ <input type="checkbox"/> CARA <input type="checkbox"/> Other _____	<input type="checkbox"/> No <input type="checkbox"/> WHPZ <input type="checkbox"/> CARA <input type="checkbox"/> Other _____	<input type="checkbox"/> No <input type="checkbox"/> WHPZ <input type="checkbox"/> CARA <input type="checkbox"/> Other _____	<input type="checkbox"/> No <input type="checkbox"/> WHPZ <input type="checkbox"/> CARA <input type="checkbox"/> Other _____	<input type="checkbox"/> No <input type="checkbox"/> WHPZ <input type="checkbox"/> CARA <input type="checkbox"/> Other _____	<input type="checkbox"/> No <input type="checkbox"/> WHPZ <input type="checkbox"/> CARA <input type="checkbox"/> Other _____

EPA Well Codes¹ () previous EPA well codes)

5A (5W20) Industrial process water	5A18 Cooling water with no additives	5A19 Cooling water return with additives	5B2 Saline water Intrusion barrier
5B3 Subsidence control	5B4 (5R21) Aquifer storage & recovery	5B6 (5X26) Aquifer remediation	5C2 Heat pump return flow
5C3 (5A6) Geothermal direct heat injection	5E (5W10) Cesspool	5F (5W11) Septic system (drainfield, well disposal)	5H (5D4) Industrial storm runoff
5H1 (5D2) Stormwater	5H2 Agricultural drainage	5H3 (5G30) Drainage water	5K (5X28) Motor vehicle waste
5X (5X27) Other wells			

² Well Construction Type Abbreviations: DW - Drywell; DF – Drainfield; IT - Infiltration Trench with Perforated Pipe, O - Other (describe)

³ Infiltration Trenches with Perforated Pipe (UIC construction type = IT) that were constructed on or after 2/3/2006, verify that construction follows the Ecology stormwater manual on or an equivalent approved manual: must meet the requirements based on whether they are used for treatment or not; such as, the infiltration rates, vertical separation and soil type.

Table 2: For UIC Stormwater wells, except for infiltration trenches, constructed on or after 2/3/2006. Complete either Table 3, 4 or 5 for infiltration trenches. Ecology will determine rule authorization for new UIC wells, except for infiltration trenches, with the information collected in Table 2. The pretreatment described below only treats stormwater containing solids, metals or oil.

	1	2	3	4	5	6	7
Owner's Well ID name or number							
Type of drainage area ¹	<input type="checkbox"/> P/D <input type="checkbox"/> NP Roof <input type="checkbox"/> Metal Roof <input type="checkbox"/> Road	<input type="checkbox"/> P/D <input type="checkbox"/> NP Roof <input type="checkbox"/> Metal Roof <input type="checkbox"/> Road	<input type="checkbox"/> P/D <input type="checkbox"/> NP Roof <input type="checkbox"/> Metal Roof <input type="checkbox"/> Road	<input type="checkbox"/> P/D <input type="checkbox"/> NP Roof <input type="checkbox"/> Metal Roof <input type="checkbox"/> Road	<input type="checkbox"/> P/D <input type="checkbox"/> NP Roof <input type="checkbox"/> Metal Roof <input type="checkbox"/> Road	<input type="checkbox"/> P/D <input type="checkbox"/> NP Roof <input type="checkbox"/> Metal Roof <input type="checkbox"/> Road	<input type="checkbox"/> P/D <input type="checkbox"/> NP Roof <input type="checkbox"/> Metal Roof <input type="checkbox"/> Road
At least five feet between the well base and the water table? <i>If no, separation down to 3 ft. may be allowed if mounding analysis determines no over topping & overflow structure is adequate.</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Treatment capacity of the unsaturated zone from Table 5.2 ² <i>If minimum thicknesses are NOT present, or are unknown, select "None" (no treatment capacity).</i>	<input type="checkbox"/> None <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	<input type="checkbox"/> None <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	<input type="checkbox"/> None <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	<input type="checkbox"/> None <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	<input type="checkbox"/> None <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	<input type="checkbox"/> None <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	<input type="checkbox"/> None <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High
Pollutant loading of stormwater classification from Table 5.3 ¹	<input type="checkbox"/> Insignificant <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	<input type="checkbox"/> Insignificant <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	<input type="checkbox"/> Insignificant <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	<input type="checkbox"/> Insignificant <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	<input type="checkbox"/> Insignificant <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	<input type="checkbox"/> Insignificant <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	<input type="checkbox"/> Insignificant <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High
Treatment required from Table 5.4 ^{1, 4}	<input type="checkbox"/> None <input type="checkbox"/> Two-stage Dry Well <input type="checkbox"/> Remove solids <input type="checkbox"/> Remove oil <input type="checkbox"/> Remove solids & oil	<input type="checkbox"/> None <input type="checkbox"/> Two-stage Dry Well <input type="checkbox"/> Remove solids <input type="checkbox"/> Remove oil <input type="checkbox"/> Remove solids & oil	<input type="checkbox"/> None <input type="checkbox"/> Two-stage Dry Well <input type="checkbox"/> Remove solids <input type="checkbox"/> Remove oil <input type="checkbox"/> Remove solids & oil	<input type="checkbox"/> None <input type="checkbox"/> Two-stage Dry Well <input type="checkbox"/> Remove solids <input type="checkbox"/> Remove oil <input type="checkbox"/> Remove solids & oil	<input type="checkbox"/> None <input type="checkbox"/> Two-stage Dry Well <input type="checkbox"/> Remove solids <input type="checkbox"/> Remove oil <input type="checkbox"/> Remove solids & oil	<input type="checkbox"/> None <input type="checkbox"/> Two-stage Dry Well <input type="checkbox"/> Remove solids <input type="checkbox"/> Remove oil <input type="checkbox"/> Remove solids & oil	<input type="checkbox"/> None <input type="checkbox"/> Two-stage Dry Well <input type="checkbox"/> Remove solids <input type="checkbox"/> Remove oil <input type="checkbox"/> Remove solids & oil
Treatment selected from approved stormwater manual (swale, etc.) ⁴							

¹ Type of drainage area abbreviations: P/D = Parking Lot or Driveway; NP Roof = Nonpollutant Generating Roof (includes asphalt roofs)

² For these tables and how to use them, see the Guidance for UIC Wells that Manage Stormwater:

<https://fortress.wa.gov/ecy/publications/SummaryPages/0510067.html>

³ The minimum thickness requirements from this table must be met along with the type of vadose zone material. The vadose zone is the zone between the top of the water table and the land surface. <https://fortress.wa.gov/ecy/publications/SummaryPages/0510067.html>

⁴ See the list of approved treatment options at the UIC webpage, [treatment options for E and W WA](http://www.ecy.wa.gov/programs/wq/stormwater/newtech/technologies.html) and treatment technologies at <http://www.ecy.wa.gov/programs/wq/stormwater/newtech/technologies.html>.

TABLE 3 Infiltration trenches (with perforated pipe) with soils that are considered a treatment BMP located in Western WA and constructed after 2/3/2006. Design requirements are found in the Stormwater Management Manual for Western WA (SMMWW). Summary of design requirements can also be found at <http://www.ecy.wa.gov/programs/wq/grndwtr/uic/InfiltTrenchDesign-EastsideWestside.pdf>. The treatment described below only treats stormwater for containing solids, metals or oil.

	1	2	3	4
Owner's well ID name or number				
Soils beneath trench considered a treatment BMP?	<input type="checkbox"/> Yes <input type="checkbox"/> No, go to table 4.	<input type="checkbox"/> Yes <input type="checkbox"/> No, go to table 4.	<input type="checkbox"/> Yes <input type="checkbox"/> No, go to table 4.	<input type="checkbox"/> Yes <input type="checkbox"/> No, go to table 4.
At least 5 ft. of unsaturated zone between the trench base and the water table or impermeable layer?	<input type="checkbox"/> Yes, <input type="checkbox"/> No. Separation down to 3 ft. may be allowed if mounding analysis determines no over topping into trench and overflow structure is adequate ¹ .	<input type="checkbox"/> Yes, <input type="checkbox"/> No. Separation down to 3 ft. may be allowed if mounding analysis determines no over topping into trench and overflow structure is adequate ¹ .	<input type="checkbox"/> Yes, <input type="checkbox"/> No. Separation down to 3 ft. may be allowed if mounding analysis determines no over topping into trench and overflow structure is adequate ¹ .	<input type="checkbox"/> Yes, <input type="checkbox"/> No. Separation down to 3 ft. may be allowed if mounding analysis determines no over topping into trench and overflow structure is adequate ¹ .
At least 18 inches of soil, considered as treatment, beneath trench (located within unsaturated zone)? See SMMWW ² , page 3-84.	<input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot rule authorize unless \geq 18 inches.	<input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot rule authorize unless \geq 18 inches.	<input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot rule authorize unless \geq 18 inches.	<input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot rule authorize unless \geq 18 inches.
Treatment soils beneath trench have 5 mil equivalents CEC ³ /100 grams?	<input type="checkbox"/> Yes <input type="checkbox"/> No, then not a treatment BMP ⁴	<input type="checkbox"/> Yes <input type="checkbox"/> No, then not a treatment BMP.	<input type="checkbox"/> Yes <input type="checkbox"/> No, then not a treatment BMP.	<input type="checkbox"/> Yes <input type="checkbox"/> No, then not a treatment BMP.
Is the stormwater from an NPGIS ⁵ roof?	<input type="checkbox"/> Yes, only sump/catch basin required for treatment. Skip next 2 questions and go to infiltration rate questions <input type="checkbox"/> No	<input type="checkbox"/> Yes, only sump/catch basin required for treatment. Skip next 2 questions and go to infiltration rate questions. <input type="checkbox"/> No	<input type="checkbox"/> Yes, only sump/catch basin required for treatment. Skip next 2 questions and go to infiltration rate questions. <input type="checkbox"/> No	<input type="checkbox"/> Yes, only sump/catch basin required for treatment. Skip next 2 questions and go to infiltration rate questions. <input type="checkbox"/> No

TABLE 3 cont. Infiltration trenches (with perforated pipe) with soils that are considered a treatment BMP located in Western WA and constructed after 2/3/2006. Design requirements are found in the Stormwater Management Manual for Western WA (SMMWW). Summary of design requirements can also be found at <http://www.ecy.wa.gov/programs/wq/grndwtr/uic/InfiltrationDesign-EastsideWestside.pdf>. The treatment described below only treats stormwater for containing solids, metals or oil.

	1	2	3	4
Is the stormwater from a high use site? See SMMWW, Volume 1, glossary – page 23 and Volume V.	<input type="checkbox"/> Yes, approved oil removal required plus pretreatment. List BMP. <input type="checkbox"/> No	<input type="checkbox"/> Yes, approved oil removal required plus pretreatment. List BMP. <input type="checkbox"/> No	<input type="checkbox"/> Yes, approved oil removal required plus pretreatment. List BMP. <input type="checkbox"/> No	<input type="checkbox"/> Yes, approved oil removal required plus pretreatment. List BMP. <input type="checkbox"/> No
Will approved pretreatment (or any approved basic treatment) be added in front of the trench?	<input type="checkbox"/> Yes, list approved BMP. <input type="checkbox"/> No. Then cannot be rule authorized. If NPGIS roof runoff, only sump/catch basin required.	<input type="checkbox"/> Yes, list approved BMP. <input type="checkbox"/> No. Then cannot be rule authorized. If NPGIS roof runoff, only sump/catch basin required.	<input type="checkbox"/> Yes, list approved BMP. <input type="checkbox"/> No. Then cannot be rule authorized. If NPGIS roof runoff, only sump catch basin required.	<input type="checkbox"/> Yes, list approved BMP. authorized. If NPGIS roof runoff, only sump/catch basin required.
Is short-term infiltration rate of the trench 2.4 in/hour to a depth of 2.5 times depth of trench or 6 ft?	<input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot be rule authorized.	<input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot be rule authorized.	<input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot be rule authorized.	<input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot be rule authorized.
Which approach was used to determine the long-term infiltration rate of the trench? (see SMMWW, page 3-75)	<input type="checkbox"/> USDA soil textural classification. <input type="checkbox"/> ASTM Gradation testing for full scale. <input type="checkbox"/> In-situ Infiltration measurements.	<input type="checkbox"/> USDA soil textural classification. <input type="checkbox"/> ASTM Gradation testing for full scale. <input type="checkbox"/> In-situ Infiltration measurements.	<input type="checkbox"/> USDA soil textural classification. <input type="checkbox"/> ASTM Gradation testing for full scale. <input type="checkbox"/> In-situ Infiltration measurements.	<input type="checkbox"/> USDA soil textural classification. <input type="checkbox"/> ASTM Gradation testing for full scale. <input type="checkbox"/> In-situ Infiltration measurements.

¹ Send ground water mounding analysis data to UIC Program Coordinator.
² SMMWW – Stormwater Management Manual for Western WA, <http://www.ecy.wa.gov/programs/wq/stormwater/manual.html>.
³ CEC - Cation Exchange Capacity
⁴ BMP - Best management practice, search for Site suitability criteria section in SMMWW. See the list of approved treatment options at the UIC webpage, <http://www.ecy.wa.gov/programs/wq/stormwater/newtech/technologies.html>.
⁵ NPGIS - Non pollutant generating impervious surface; i.e., bike pathways with no stormwater drainage from roadways, fenced fire lanes, infrequently used maintenance access roads, impervious surfaces not subject to motorized vehicles or application of sand or deicing compounds, metal roofs covered with an inert non leachable material and roofs not subject to venting of manufacturing, commercial, or other indoor pollutants

TABLE 4 For Infiltration trenches without soil considered as treatment (flow control) located in Western or Eastern WA and constructed after 2/3/2006. Design requirements are found in the Stormwater Management Manual for Western WA (SMMWW) or Eastern WA (SMMEW)¹. Summary of design requirements can also be found at <http://www.ecy.wa.gov/programs/wq/grndwtr/uic/InfiltTrenchDesign-EastsideWestside.pdf>.

	1	2	3	4
Owner's well ID name or number				
At least 5 ft. of unsaturated zone between the trench base and the water table or impermeable layer?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Separation down to 3 ft. may be allowed if mounding analysis determines no over topping into trench and overflow structure is adequate ² .	<input type="checkbox"/> Yes <input type="checkbox"/> No, Separation down to 3 ft. may be allowed if mounding analysis determines no over topping into trench and overflow structure is adequate ² .	<input type="checkbox"/> Yes <input type="checkbox"/> No, Separation down to 3 ft. may be allowed if mounding analysis determines no over topping into trench and overflow structure is adequate ² .	<input type="checkbox"/> Yes <input type="checkbox"/> No, Separation down to 3 ft. may be allowed if mounding analysis determines no over topping into trench and overflow structure is adequate ² .
Will a basic treatment BMP ³ (solids removal) be added in front of the trench? List BMP name.	<input type="checkbox"/> Yes, list BMP _____ <input type="checkbox"/> No, then cannot be rule authorized (except for stormwater from a NPGIS ⁴).	<input type="checkbox"/> Yes, list BMP _____ <input type="checkbox"/> No, then cannot be rule authorized (except for stormwater from a NPGIS ⁴).	<input type="checkbox"/> Yes, list BMP _____ <input type="checkbox"/> No, then cannot be rule authorized (except for stormwater from a NPGIS ⁴).	<input type="checkbox"/> Yes, list BMP _____ <input type="checkbox"/> No, then cannot be rule authorized (except for stormwater from a NPGIS ⁴).
Is site a high use site ⁵ or if located in Eastern WA, a high average daily traffic road?	<input type="checkbox"/> Yes, then oil control is required, list BMP _____ <input type="checkbox"/> No	<input type="checkbox"/> Yes, then oil control is required, list BMP _____ <input type="checkbox"/> No	<input type="checkbox"/> Yes, then oil control is required, list BMP _____ <input type="checkbox"/> NO	<input type="checkbox"/> Yes, then oil control is required, list BMP _____ <input type="checkbox"/> No

¹Stormwater Management Manual for Western or Eastern WA at <http://www.ecy.wa.gov/programs/wq/stormwater/tech.html>

²Send ground water mounding analysis data to UIC Program Coordinator

³ BMP – Best management practice. See Site Suitability Criteria section in either stormwater manual. See the list of approved treatment options at, the UIC webpage, [treatment options for E and W WA](http://www.ecy.wa.gov/programs/wq/stormwater/newtech/technologies.html) and treatment technologies at <http://www.ecy.wa.gov/programs/wq/stormwater/newtech/technologies.html>.

⁴ NPGIS – non pollutant-generating impervious surface, Non pollutant generating impervious surface; i.e. bike pathways with no stormwater drainage from roadways, fenced fire lanes, infrequently used maintenance access roads, impervious surfaces not subject to motorized vehicles or application of sand or deicing compounds, metal roofs covered with an inert non leachable material and roofs not subject to venting of manufacturing, commercial, or other indoor pollutants

⁵ High-Use site or average daily traffic – search for the definitions in either Stormwater Management Manual for Western WA or Eastern at <http://www.ecy.wa.gov/programs/wq/stormwater/tech.html> .

TABLE 5 Infiltration trenches (with perforated pipe) with soils that are considered a treatment BMP located in Eastern WA and constructed after 2/3/2006 Design requirements are contained in Stormwater Management Manual for Eastern WA (SMMEW)¹. Summary of design requirements can be found at <http://www.ecy.wa.gov/programs/wq/grndwtr/uic/InfiltrationDesign-EastsideWestside.pdf>. The treatment described below only treats stormwater for containing solids, metals or oil. WA DOT call UIC Coordinator.

	1	2	3	4
Owner's well ID name or number				
Soils beneath trench considered a treatment BMP ² ?	<input type="checkbox"/> Yes, <input type="checkbox"/> No. Go to Table 4	<input type="checkbox"/> Yes, <input type="checkbox"/> No. Go to Table 4	<input type="checkbox"/> Yes, <input type="checkbox"/> No. Go to Table 4	<input type="checkbox"/> Yes, <input type="checkbox"/> No. Go to Table 4
Is there at least 5 ft. of unsaturated zone between the trench base and the water table or impermeable layer?	<input type="checkbox"/> Yes, <input type="checkbox"/> No. Separation down to 3 ft. may be allowed if mounding analysis determines no over topping into trench and overflow structure is adequate ³ .	<input type="checkbox"/> Yes, <input type="checkbox"/> No. Separation down to 3 ft. may be allowed if mounding analysis determines no over topping into trench and overflow structure is adequate ³	<input type="checkbox"/> Yes, <input type="checkbox"/> No. Separation down to 3 ft. may be allowed if mounding analysis determines no over topping into trench and overflow structure is adequate ³	<input type="checkbox"/> Yes, <input type="checkbox"/> No. Separation down to 3 ft. may be allowed if mounding analysis determines no over topping into trench and overflow structure is adequate ³
At least 18 inches of soil, considered as treatment, beneath trench (located within unsaturated zone)? See SMMEW, page 5-28.	<input type="checkbox"/> Yes <input type="checkbox"/> No. Not a treatment soil unless \geq 18 inches, go to table 4; except for designed vegetated infiltr. facility w/ active root zone.	<input type="checkbox"/> Yes <input type="checkbox"/> No. Not a treatment soil unless \geq 18 inches, go to Table 4; except for designed vegetated infiltr. facility w/ active root zone.	<input type="checkbox"/> Yes <input type="checkbox"/> No. Not a treatment soil unless \geq 18 inches, go to Table 4 ; except for designed vegetated infiltr. facility w/ active root zone.	<input type="checkbox"/> Yes <input type="checkbox"/> No. Not a treatment soil unless \geq 18 inches. Go to Table 4; except for designed vegetated infiltr. facility w/ active root zone.
Treatment soils beneath trench have 5 mill equivalents CEC ⁴ /100 grams?	<input type="checkbox"/> Yes <input type="checkbox"/> No, then not a treatment BMP. Go to Table 4	<input type="checkbox"/> Yes <input type="checkbox"/> No, then not a treatment BMP. Go to Table 4	<input type="checkbox"/> Yes <input type="checkbox"/> No, then not a treatment BMP. Go to Table 4	<input type="checkbox"/> Yes <input type="checkbox"/> No, then not a treatment BMP. Go to Table 4.
Is the stormwater from an NPGIS ⁵ roof?	<input type="checkbox"/> Yes. Only sump/catch basin required for treatment. Skip next 2 questions and go to infiltration rate questions <input type="checkbox"/> No	<input type="checkbox"/> Yes. Only sump/catch basin required for treatment. Skip next 2 questions and go to infiltration rate questions <input type="checkbox"/> No	<input type="checkbox"/> Yes. Only sump/catch basin required for treatment. Skip next 2 questions and go to infiltration rate questions <input type="checkbox"/> No	<input type="checkbox"/> Yes. Only sump/catch basin required for treatment. Skip next 2 questions and go to infiltration rate questions <input type="checkbox"/> No
Is the stormwater from a high-use site ⁶ or high average daily traffic road?	<input type="checkbox"/> Yes. Approved oil removal required, list BMP ² . <input type="checkbox"/> No	<input type="checkbox"/> Yes. Approved oil removal required, list BMP. <input type="checkbox"/> No	<input type="checkbox"/> Yes. Approved oil removal required, list BMP. <input type="checkbox"/> No	<input type="checkbox"/> Yes. Approved oil removal required, list BMP. <input type="checkbox"/> No

TABLE 5 cont. Infiltration trenches (with perforated pipe) located in Eastern WA and constructed after 2/3/2006

Design requirements are contained in Stormwater Management Manual for Eastern WA (SMMEW)¹. Summary of design requirements can be found at <http://www.ecy.wa.gov/programs/wq/grndwtr/uic/InfiltTrenchDesign-EastsideWestside.pdf>. The treatment described below only treats stormwater for containing solids, metals or oil. WA DOT call UIC Coordinator.

	1	2	3	4
Will approved pretreatment BMP ² (or any approved basic treatment) be added in front of trench?	<input type="checkbox"/> Yes. List approved BMP. _____ <input type="checkbox"/> No. Cannot be rule authorized, unless from NPGIS roof (only sump/catch basin required).	<input type="checkbox"/> Yes. List approved BMP. _____ <input type="checkbox"/> No. Cannot be rule authorized, unless from NPGIS roof (only sump/catch basin required).	<input type="checkbox"/> Yes. List approved BMP. _____ <input type="checkbox"/> No. Cannot be rule authorized, unless from NPGIS roof (only sump/catch basin required).	<input type="checkbox"/> Yes. List approved BMP. _____ <input type="checkbox"/> No. Cannot be rule authorized, unless from NPGIS roof (only sump/catch basin required).
Short-term infiltration rate of trench at ≤ 2.4 in/hour?	<input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot be considered as treatment BMP.	<input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot be considered as treatment BMP.	<input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot be considered as treatment BMP.	<input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot be considered as treatment BMP.
Is the long-term infiltration rate of the trench, minimum 0.5 in/hour and a maximum of 2.4 in/hour to a depth of 2.5 times the max. design flooded depth, see SMMEW, SSC-3 5/27.	<input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot be rule authorized.	<input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot be rule authorized.	<input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot be rule authorized.	<input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot be rule authorized.

¹ Stormwater Management Manual for Eastern WA, <http://www.ecy.wa.gov/programs/wq/stormwater/easternmanual/manual.html>

² BMP – Best management practice. For soils see Site Suitability Criteria section, Chapter 5. For the list of approved treatment options at, the UIC webpage, <http://www.ecy.wa.gov/programs/wq/stormwater/newtech/technologies.html>.

³ Send ground water mounding analysis data to UIC Program Coordinator.

⁴ CEC – Cation Exchange Capacity

⁵ NPGIS – non pollutant-generating impervious surface, i.e. bike pathways with no stormwater drainage from roadways, fenced fire lanes, infrequently used maintenance access roads, impervious surfaces not subject to motorized vehicles or application of sand or deicing compounds, metal roofs covered with an inert non leachable material and roofs not subject to venting of manufacturing, commercial, or other indoor pollutants

⁶ High Use site or average daily traffic – search for definitions in either the Stormwater Management Manual for Western or Eastern WA, <http://www.ecy.wa.gov/programs/wq/stormwater/tech.html>

Signature of authorized representative

I hereby certify that the information contained in this registration is true and correct to the best of my knowledge.

Name of legally authorized representative

Title

Signature of legally authorized representative

Date

For Department Use Only	
Site ID:	
Date received:	
Date acknowledged:	
Date Entered:	
Final Disposition:	

Please send completed form to:

***UIC Coordinator
Water Quality Program
Washington Department of Ecology
P.O. Box 47600
Olympia, WA 98504-7600***

To request ADA accommodation including materials in a format for the visually impaired, call the Water Quality Program at 360-407-6600. Persons with impaired hearing may call Washington Relay Service at 711. Persons with speech a disability may call 877-833-6341.

Instructions to Complete the UIC Registration Form for Municipal Stormwater Roads, Parking, and Roof

A. Contact Information

Well Owner: Provide the well owner's name, organization, address, and phone number.

Property Owner: Complete if different from the well owner

Technical Contact: Provide the name, organization, address, and telephone number of the person to contact in case there are any questions about this registration.

B. Protecting Water Resources

Examples of ground water protection areas:

- A wellhead protection area is a designated area around a drinking water well to help protect the drinking water supply from contamination. Visit WA Department of Health's Source Water Program Map tool at <https://fortress.wa.gov/doh/eh/dw/swap/maps/> and find the UIC well location and click on all the wellhead protection areas to display on the map.
- Definition of a critical aquifer recharge area is the geographic areas where a drinking water supply aquifer is vulnerable to contamination that would affect its use. Contact your county or city planning department for more information.

C. NPDES Stormwater Permits

Has a National Pollutant Discharge Elimination System Stormwater Permit been issued for your municipality? Check the appropriate box. If yes, provide the permit number.

D. Table 1: Complete for all UIC wells

- Well ID: Provide your identification number for the well. The well ID is created by the owner.
- Right-of-Way Location.
- Construction Date: Provide the approximate well installation date
- Latitude and longitude: Enter the latitude and longitude in decimal form for each UIC well. You can use the online tools/website at <http://mynasadata.larc.nasa.gov/latitudelongitude-finder/> to find the latitude and longitude of your UIC wells by using your street address.
- EPA well type: See table at bottom of page.
- Status: Active if the well is in use, unused if well is not in use, closed or proposed if the well is in the design phase.
- Construction Type: Provide the well construction type and use the following abbreviations: DW - Drywell; DF – Drainfield; IT - Infiltration Trench with Perforated Pipe, O – Other (describe).
- Check off whether the infiltration trench (IT) has been constructed in accordance with an Ecology-approved manual at the time of construction. To be rule authorized the IT has to be constructed in accordance with approved Ecology stormwater manual at time of construction.
- Well depth: Provide the approximate well depth in feet.
- Check off if the UIC well is within 1000 ft of a surface water body, such as a lake, river, or stream.
- Check off if the UIC well is within 100 feet of a drinking water well or spring.
- Zoning: List the county zoning designation.

- Check the appropriate box if your UIC wells are located in a Ground Water Protection Area:

Examples of ground water protection areas:

- A wellhead protection area is a designated area around a drinking water well to help protect the drinking water supply from contamination. Contact your local health jurisdiction to determine if your UIC wells are located in a wellhead protection area.
- A critical aquifer recharge area (CARA) is defined as the geographic areas where an aquifer that is a source of drinking water is vulnerable to contamination that would affect its use. Contact your county or city planning department for more information.

E. Table 2: Complete for UIC wells in use after February 3, 2006

Table 2 has to be completed for UIC wells that are built and in use after February 3, 2006. The pretreatment options only remove solids, metals or oils from the stormwater. Other pollutants will not be treated.

Additional information on Table 2 questions can be found in the document *Guidance for UIC Wells that Manage Stormwater*, and located at: <https://fortress.wa.gov/ecy/publications/SummaryPages/0510067.html>. If you do not have access to the internet, contact the Ecology's UIC contact for more information. Contact information is at the end of the page.

- Well ID name or number: Enter your identification name or number.
- Check whether a five-foot separation exists between the bottom of the UIC well and the top of the water table. Use site-specific information if available, or visit Ecology's Water Resource Well Log Viewer at <http://apps.ecy.wa.gov/welllog/> and find a water resource well within a quarter mile of the site to determine the water table elevation in your area.
- Treatment capacity and minimum thickness is verified by either on-site information or by visiting Ecology's Water Resource Well Log Viewer at <http://apps.ecy.wa.gov/welllog/> and finding a water resource well within a quarter mile of the site to determine the vadose zone material at your site. **If the minimum thickness is not known or is not present, the treatment capacity would be "none".**
- Pollutant load of your facility is determined by reviewing the land use around the well or the average daily traffic volume, see Table 5.2.
- Pretreatment is dependent on how the two prior questions were answered. Table 5.4, in *Guidance for UIC Wells that Manage Stormwater*, must be used to answer this question.
- Selection of pretreatment (if required): Refer to either the Stormwater Management Manual for Eastern or Western Washington depending on the location of the UIC well, <http://www.ecy.wa.gov/programs/wq/stormwater/tech.html>.

Table 3: Infiltration trenches (with perforated pipe) with soils that are considered a treatment BMP located in Western WA and constructed after 2/3/2006. King County and WA DOT call UIC Coordinator.

- List owners ID again
- Check off if the soils under the trench meets the requirements to be considered a treatment BMP.
- Is there 5 ft. of separation between the trench base and the top of the ground water table? 3 ft. separation is allowed but mounding analysis is required to show separation exists during a storm event.
- Is the treatment BMP soil depth at least 18 inches? If not then is not considered a treatment BMP.
- Do the treatment BMP soils have 5 mil equivalents of cation exchange capacity?

- Is there 5 ft. of separation between the trench base and the top of the ground water table? 3 ft. separation is allowed but mounding analysis is required to show separation exists during a storm event.
- Is the treatment BMP soil depth at least 18 inches? If not then is not considered a treatment BMP.
- Do the treatment BMP soils have 5 mil equivalents of cation exchange capacity?
- Does the stormwater flow from a non-pollutant generating impervious surface?
- Does the stormwater flow from a high pollutant use site? See either the SMMWW or SMMEW for definition and examples.
- Approved treatment is required for rule authorization List approved BMP.
- Check if the short-term infiltration rate is either 2.4 in/hour to a depth of 2.5 times the depth of trench or 6 ft.
- Check off which approach was used to determine the long-term infiltration. Find the design requirements in the Stormwater Management Manual for Western WA (SMMWW). A summary of trench design requirements are also at <http://www.ecy.wa.gov/programs/wq/grndwtr/uic/InfilTrenchDesign-EastsideWestside.pdf>.

TABLE 4: Infiltration trenches *without* soil considered as treatment (flow control) located in Western or Eastern WA King County and WA DOT call UIC Coordinator.

- List owners ID again
- Is there 5 ft. of separation between the trench base and the top of the ground water table? 3 ft. separation is allowed but mounding analysis is required to show separation exists during a storm event.
- Basic treatment (solids removal) is required. List Ecology approved treatment BMP.
- Does the stormwater flow from a high pollutant use site? See either the SMMWW or SMMEW for definition and examples.

TABLE 5: Infiltration trenches (with perforated pipe) with soils that are considered a treatment BMP located in Eastern WA and constructed after 2/3/2006

- List the owners ID again.
- Check off if the soils under the trench meet the requirements to be considered a treatment BMP.
- Is there 5 ft. of separation between the trench base and the top of the ground water table? 3 ft. separation is allowed but mounding analysis is required to show separation exists during a storm event.
- Is the treatment BMP soil depth at least 18 inches? If not then is not considered a treatment BMP.
- Do the treatment BMP soils have 5 mil equivalents of cation exchange capacity?
- Does the stormwater flow from a non-pollutant generating impervious surface?
- Does the stormwater flow from a high pollutant use site? See either the SMMWW or SMMEW for definition and examples.
- Approved treatment is required for rule authorization List approved BMP.
- Check if the short-term infiltration rate less than 2.4 in/hour?
- Check off which approach was used to determine the long-term infiltration.

For more information contact:

Underground Injection Control
Washington Dept. of Ecology
P.O. Box 47600
Olympia, WA 98504-7600
Phone: (360) 407-6143
E-mail: mary.shaleen-hansen@ecy.wa.gov

<http://www.ecy.wa.gov/programs/wq/grndwtr/uic/index.html>

To request ADA accommodation including materials in a format for the visually impaired, call the Water Quality Program at 360-407-6600. Persons with impaired hearing may call Washington Relay Service at 711. Persons with speech disability may call 877-833-6341.