



Underground Injection Control (UIC) Well Registration Form for Industrial or Commercial Facilities

The purpose of this form is to register with the Department of Ecology UIC wells used to manage stormwater at an industrial or commercial facility.

A. Facility Name and Location

Facility Name _____
Facility Address _____
City _____ State _____ ZIP _____
Phone at the facility _____

County _____
Township, Range, Section, Quarter-Quarter _____

B. Contact Information

Well Owner

Name _____
Organization _____
Address _____
City _____ State _____ ZIP _____
Phone _____
Email _____

Property Owner Same as Well Owner: If not the same, complete below:

Name _____
Organization _____
Address _____
City _____ State _____ ZIP _____
Phone _____
Email _____

Technical Contact Person, if applicable (Engineer, Contractor, Consultant)

Name _____
Organization _____
Address _____
City _____ State _____ ZIP _____
Phone _____
Email _____

C. Facility Description

List the Primary Standard Industrial Classification Code (SIC) or NAIC Code for your facility (<http://www.census.gov/epcd/www/naics.html>)

SIC Code _____ or NAIC Code _____

Zoning Industrial Commercial Residential Agricultural Other or _____

Facility wastewater: Connected to a public sewer Connected to an on-site septic system

Site Drinking Water Source: Public Water Supply Private Well

Briefly describe the type or nature of business at this facility:

Was this site ever a toxic cleanup site? Yes No

If your UIC well is in a Well Head Protection Area, Critical Aquifer Recharge Area, or other ground water protection area, your local government may have additional ordinances or requirements. Please contact your local city or county for more information.

D. Hazardous Substances and Permits - Requirements

Are the UIC wells located on a site or facility that uses, stores, loads, or treats hazardous substances (such as vehicle fluids, oil or cleaning solvents)?

- No, this is an industrial or commercial facility with no hazardous substances.
- Yes, this is an industrial or commercial facility that meets the above definition:

Are the UIC wells located at an industrial facility that has a Standard Industrial Classification as regulated by Federal Regulations, 40 CFR Subpart 122.26(b)(14) National Pollutant Discharge Elimination System (NPDES) Program (excluding construction sites). (See the list at Guidance for UIC Wells that Manage Stormwater, Appendix A at <http://www.ecy.wa.gov/pubs/0510067.pdf>)

- No, this is an industrial or commercial facility not regulated under 40 CFR Subpart 122.26 NPDES Program. Continue to next page.
- Yes, this is an industrial or commercial facility regulated under 40 CFR Subpart 122.26 NPDES Program:

If you answered no to both of the two questions above, please. [Go to Section E.](#)
If you answered yes to either one of them, answer the following:

Does the facility have (or has applied for) a waste water discharge permit issued pursuant to chapter 90.48 RCW, including a National Pollutant Discharge Elimination System (NPDES) permit?

- Yes Permit Number: _____
- No:

Either

If under a permit, apply the associated stormwater pollution prevention plan specifically to UIC wells. This satisfies the well assessment requirement.

- Prepare and implement a stormwater pollution prevention plan for the UIC wells. This satisfies the well assessment requirement. Or
- Provide documentation to show that the well does not pose a threat to ground water by submitting one of the following:
 - Site drainage map for the UIC wells that shows hazardous substance use areas and drainage flow to UIC wells. Ecology will determine if a Stormwater Pollution Prevention Plan is required.
 - No-exposure certification form completed for discharges to ground.

E. Table 1: UIC Well Information - Complete this table for all UIC wells.

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Owner's Well ID | | | | | | | |
| Construction Date | | | | | | | |
| Latitude (in decimal degrees) | | | | | | | |
| Longitude (in decimal degrees) | | | | | | | |
| ¹ EPA Well Type (see table) | | | | | | | |
| Status (Active, <u>U</u> nused, <u>C</u> losed, Proposed) | | | | | | | |
| ² UIC Construction Type | | | | | | | |
| 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? | <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 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 |
| Type of Drainage Area (Place a checkmark or "X") | | | | | | | |
| Employee parking lot or driveway | | | | | | | |
| Rooftop | | | | | | | |
| Road | | | | | | | |
| Loading dock | | | | | | | |
| Chemical storage area | | | | | | | |
| Livestock, agricultural activities or where pesticides or fertilizers are used | | | | | | | |
| Other (describe) | | | | | | | |
| Non stormwater discharge, describe (discharge type, volume, frequency) | | | | | | | |

¹EPA Class V Well Types

| | | | |
|-----------------------------|-----------------------|------------------------------------|----------------------------------|
| 5A19 Cooling water return | 5A6 Geothermal heat | 5W11 Septic system (gen) | 5A7 Closed loop heat pump return |
| 5D2 Stormwater | 5R21 Aquifer recharge | 5W20 Industrial process water | 5X26 Aquifer remediation |
| 5D4 Industrial storm runoff | 5W9 Untreated sewage | 5W31 Septic system (well disposal) | 5X27 Other wells |
| 5G30 Special drainage water | 5W10 Cesspool | 5W32 Septic system (drainfield) | 5X28 Motor vehicle waste |

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

Table 2: Complete this table for UIC stormwater, except for infiltration trenches, wells constructed on or after 2/3/2006. Complete either Table 3, 4 or 5 for infiltration trenches.

This section may be used by commercial or industrial facilities for those UIC wells that are **not** exposed to hazardous substances such as industrial waste fluids. An example would be UIC stormwater wells in a parking lot with no chemical use, storage, or handling. The pretreatment described below only treats stormwater for containing solids, metals or oil.

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|--|---|---|---|---|---|---|---|
| Well ID name or number | | | | | | | |
| At least five feet between the well and the water table? <i>If no, separation down to 3 ft. may be allowed if mounding analysis determines no over topping into trench & 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 <input type="checkbox"/> Unknown |
| Treatment capacity of the vadose zone from Table 5.2 ^{1,2} <i>If minimum thicknesses are NOT present at the site, 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 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 from Table 5.4 ^{1,3} | <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.) ² | | | | | | | |

¹For these tables and how to use them, see the Guidance for UIC Wells that Manage Stormwater: <http://www.ecy.wa.gov/biblio/0510067.html>

²The 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.

³See the western or eastern stormwater manual for pre-treatment to remove solids and oil. western Washington stormwater manual: <http://www.ecy.wa.gov/programs/wq/stormwater/manual.html> eastern Washington stormwater manual: <http://www.ecy.wa.gov/biblio/0410076.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.

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>.

| | 1 | 2 | 3 | 4 |
|--|---|--|--|--|
| Owner's well ID names or numbers | | | | |
| Soils 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 vadose 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 | <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 | <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 | <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 |
| Depth of soil considered as treatment at least 18 inches? See SMMWW ¹ , page 3-84. (located within vadose zone) | <input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot rule authorize unless \geq 18 inches. Go to Table 4 | <input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot rule authorize unless \geq 18 inches. Go to table 4 | <input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot rule authorize unless \geq 18 inches. Go to Table 4 | <input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot rule authorize unless \geq 18 inches. Go to Table 4 |
| Treatment soils have 5 mil equivalents CEC ² /100 grams? | <input type="checkbox"/> Yes <input type="checkbox"/> No, then not a treatment BMP ³ . 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 ⁴ 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 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.

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>.

| | 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 |
| Approved pretreatment (or any approved basic treatment BMP)? | <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. <input type="checkbox"/> No. Then cannot be rule authorized. If NPGIS roof runoff, only sump/catch basin required. |
| Short term infiltration rate at 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. Go to Table 4. | <input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot be rule authorized. Go to Table 4 | <input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot be rule authorized. Go to Table 4 | <input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot be rule authorized. Go to Table 4 |
| Long term infiltration rate, which approach was used? (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 SMMWW – Stormwater Management Manual for Western WA, <http://www.ecy.wa.gov/programs/wq/stormwater/manual.html>

² CEC - Cation Exchange Capacity

³ BMP - Best management practice, see list of Ecology’s approved BMPs at <http://www.ecy.wa.gov/programs/wq/grndwtr/uic/TreatmentOpts-EandWwa.pdf>

⁴ 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 Infiltration trenches without soil considered as treatment (flow control) located in Western and Eastern WA sites

King County and WA DOT call UIC Coordinator

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/InfiltrationDesign-EastsideWestside.pdf>.

| | 1 | 2 | 3 | 4 |
|---|--|---|--|---|
| Owner's well ID names or numbers | | | | |
| At least 5 ft. of vadose 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 | <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. | <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 |
| Basic treatment required (solids removal) | <input type="checkbox"/> Yes, list BMP ³ <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). | <input type="checkbox"/> Yes, list BMP <input type="checkbox"/> No, then cannot be rule authorized (except for stormwater from a NPGIS). | <input type="checkbox"/> Yes, list BMP <input type="checkbox"/> No, then cannot be rule authorized (except for stormwater from a NPGIS). |
| If high use site ⁵ or if located in Eastern WA, 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 |

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

² Send ground water mounding analysis data to UIC Program Coordinator.

³ BMP – Best management practice

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 – definitions found in either Stormwater Management Manual for Western WA, <http://www.ecy.wa.gov/programs/wq/stormwater/manual.html> or

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). Summary of design requirements can be found at <http://www.ecy.wa.gov/programs/wq/grndwtr/uic/InfiltTrenchDesign-EastsideWestside.pdf>. WA DOT call UIC Coordinator.

| | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| Soils considered a treatment BMP ¹ ? | <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. vadose 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 . |
| Depth of soil considered as treatment at least 18 inches? (located within vadose zone). See SMMEW, page 5-28. | <input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot rule authorize unless ≥ 18 inches; except for designed vegetated infilt. facility w/ active root zone. | <input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot rule authorize unless ≥ 18 inches; except for designed vegetated infilt. facility w/ active root zone. | <input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot rule authorize unless ≥ 18 inches; except for designed vegetated infilt. facility w/ active root zone. | <input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot rule authorize unless ≥ 18 inches; except for designed vegetated infilt. facility w/ active root zone. |
| Treatment soils have 5 mill equivalents CEC ³ /100 grams? | <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. | <input type="checkbox"/> Yes <input type="checkbox"/> No, then not a treatment BMP. |
| Is the stormwater from an NPGIS ⁴ 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 ⁵ or high average daily traffic road? | <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 | <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). Summary of design requirements can be found at http://www.ecy.wa.gov/programs/wq/grndwtr/uic/InfiltTrenchDesign-EastsideWestside.pdf . WA DOT call UIC Coordinator | | | | |
| | 1 | 2 | 3 | 4 |
| Approved pretreatment (or any approved basic treatment)? | <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 at ≤ 2.4 in/hour? | <input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot be considered as treatment BMP. Go to Table 4. | <input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot be considered as treatment BMP. Go to Table 4. | <input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot be considered as treatment BMP. Go to Table 4. | <input type="checkbox"/> Yes <input type="checkbox"/> No. Cannot be considered as treatment BMP. Go to Table 4. |
| Long term infiltration rate, 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 BMP – Best management practice

² Send Groundwater mounding analysis data to UIC Program Coordinator

³ CEC – Cation Exchange Capacity, see page 5.28 SMMEW,

⁴ 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

⁵ High Use site or average daily traffic – definitions found in either Stormwater Management Manual for Western WA, <http://www.ecy.wa.gov/programs/wq/stormwater/manual.html> or Stormwater Management Manual for Eastern WA, <http://www.ecy.wa.gov/programs/wq/stormwater/easternmanual/manual.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-***

To ask about the availability of this document in a format for the visually impaired, call the Water Quality Program at 360-407-6404. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

Instructions to Complete the UIC Registration Form for Industrial or Commercial Facilities

A. Facility Name and Location: Provide the name, address, and phone number of the facility **where the UIC wells are or will be located. Provide the county and township range, section and quarter section for the facility.**

B. Contact Information

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

Property Owner: Complete if different than the well owner

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

C. Facility Description

SIC or NAIC Codes for your industry or commercial business: Enter the Standard Industrial Classification (SIC) four-digit code **or** North American Industry Classification System five or six-digit code (NAICS) for the facility.

These codes are used to describe the primary activity at the facility that generates the most money and may be found on fire marshal reports, insurance papers, or tax forms. The NAICS codes replaced the SIC system in 1997; however, it is usually easy to convert between the two systems so either code is acceptable. SIC or NAICS information is also available from the U.S. Census Bureau at 1-888-756-2427 or at <http://www.naics.com/search.htm>. Include a secondary code if applicable.

Zoning: Indicate whether the property where the UIC well is located is zoned for industrial, commercial, or agricultural, or some other use.

Facility wastewater: Check off if the facility is connected to an on-site septic system or to the city or county sewage system.

Site Drinking Water Source: Check off the source of the facilities drinking water.

Briefly describe the type or nature of business at this facility: For example, a gas station, rental business for the home, yard, and contractor equipment with in-house maintenance shop, or retail convenience store.

To the best of your knowledge, was this site ever a toxic cleanup site? If the site has been an independent clean up site or a site under the supervision of the Model Toxic Control Act Program, check the box for yes. If not, check no.

D. Hazardous Substances and Permits - Requirements

Check the appropriate box to indicate whether the facility uses, stores, loads or treats hazardous substances. Indicate whether the UIC wells are located at an industrial facility regulated under the National Pollutant Discharge Elimination System Stormwater Program (NPDES)). The NPDES website address is on the form.

If you answered no to both of the two questions above, please. Go to Section E.

If you answered yes to either one of them, check the appropriate box and provide the permit number is appropriate:

If you answered yes to any of the section D questions check which documentation will be completed or provided with the registration form. Provide the documentation with the registration form where requested (site map or no exposure form).

- If you plan to prepare and implement a stormwater pollution prevention plan, *see the **Guidance Manual for Developing a Stormwater Pollution Prevention Plan for Industrial Facilities** at, <http://www.ecy.wa.gov/biblio/0410030.html>.*
- A site map should include the following:
 - Identifiers (names) of significant features.
 - An outline of the stormwater drainage areas to UIC wells.
 - Areas of pollutant contact (actual or potential). For example, show where employee cars and industrial vehicles are parked, any out side containers, or fueling areas.
 - Surface water locations (including wetlands and drainage ditches).
 - Stormwater drainage.
 - Vehicle (trucks, vans, forklifts, etc.) service areas.
 - Buildings and paved areas.
- Or complete the no-exposure certification form for UIC wells. The form can be found at, Ecology’s UIC web site, <http://www.ecy.wa.gov/programs/wq/grndwtr/uic/index.html> .

Table 1: Complete for all UIC wells

- Well ID: Provide your identification number for the well. The owner determines the id.
- Construction Date: Provide the approximate date the well was installed.
- Latitude and longitude: Enter the latitude and longitude in **decimal form** for each UIC well. Visit <http://ww4.doh.wa.gov/scripts/esrimap.dll?Name=geoview&Cmd=Map> and type the address in at the bottom of the screen. Locational information including, latitude and longitude, will be found in a table below the map.
- EPA well type: EPA well types are listed in the Table 1 below.
- 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).
- Well depth: Provide the approximate well depth.
- 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.
- Check the appropriate box if your UIC wells are located in a Ground Water Protection Area:

Examples of ground water protection areas;

- A well head 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 well head 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

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- 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.
- Type of Drainage Area – if drainage area not listed, describe in other category: such as industrial vehicle parking lot would be listed in the “other” category
- Drainage area the stormwater runs off of or describe the non stormwater discharge: fire system test water, sanitary waste from a septic system

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. **Industrial process/waste water or stormwater from an industrial foot print area are not allowed to drain to a UIC well except under a State Waste Discharge Program Permit.** Employee parking lots at industrial facilities can use UIC wells if the UIC program requirements are applied.

The *Guidance for UIC Wells that Manage Stormwater*, can help answers the questions in Table 2, and located at: <http://www.ecy.wa.gov/biblio/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. If less than 5 feet is present at the site then a mounding analysis needs to be completed to determine if overtopping will occur during infiltration. Call the UIC coordinator for more information on the mounding analysis.
- 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.
- Pretreatment is dependent on how the two prior questions were answered. Table 7.4, 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>.

Tables 3 -5

Depending on the location of the facility use the Stormwater Management Manual of Western 2005 or Eastern, WA 2004, or a current Ecology approved local equivalent manual to design the trench. Visit the Ecology’s UIC webpage for the infiltration trench design summary table and the list of approved treatment BMPs.

For more information contact:

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Washington Dept. of Ecology
P.O. Box 47600
Olympia, WA 98504-7600

Phone: (360) 407-6143
E-mail: maha461@ecy.wa.gov
<http://www.ecy.wa.gov/programs/wq/grndwtr/uic/index.html>

To ask about the availability of this document in a format for the visually impaired, call the Water Quality Program at 360-407-6404. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.