



Massachusetts Department of Environmental Protection Bureau of Water Resources – Drinking Water Program

Instructions for UIC Class V Well Technical Compliance Form (Attach to your BRP WS 06 UIC Registration application form)

INTRODUCTION:

The *UIC Class V Well Technical Compliance Form* should be submitted with all Underground Injection Control (UIC) registration applications for authorized UIC Class V well types for which a **facility type** or **well type** technical compliance form does not exist. A **facility type** technical compliance document exists for public water supply facilities.

Well type technical compliance documents exist for:

- stormwater,
- open-loop ground source heat pump,
- motor vehicle rinse water, snow/ice melt, or rain drip.

The technical compliance form should be used by the applicant and Massachusetts Department of Environmental Protection (MassDEP) to determine whether a UIC Registration may be approved. Depending upon responses to questions provided on this form, MassDEP may contact you for additional information.

Technical Compliance forms are not required if you are registering UIC wells for the purpose of closing all of them.

For more information, the MassDEP *Standard Design Guidelines for Shallow UIC Class V Injection Wells* is available in the “Guidance” section of the following MassDEP UIC program’s web page:

<http://www.mass.gov/eea/agencies/massdep/water/drinking/underground-injection-control.html> All questions regarding the UIC program should be addressed to askUIC@state.ma.us or to Joe Cerutti by phone at 617 292-5859 or by mail at the address shown at the end of this document. You may also contact the MassDEP Drinking Water Program at Program.Director-DWP@state.ma.us Subject: UIC, or by phone at 617-292-5770.

DIRECTIONS FOR FILLING OUT THE UIC CLASS V WELL TECHNICAL COMPLIANCE FORM:

Enter UIC Registration Number (if applicable):

Provide the UIC Registration Number that was issued to you by MassDEP upon approval of your BRP WS06 Registration application form. If this is your first application for this/these well(s) then a UIC Registration Number has not been issued and you should leave this entry blank.

Section A. Facility Information

Facility/Residential Property Name: Enter the common name of this facility if it is different than the legal name and the facilities (or residences’), street address, and the town that the facility is located in. You may enter “private residences” under the “Facility/Residential Property Name” category if applicable.

Section B. Preparer Information

Enter the name, mailing address, email address, and phone number of the person who has completed the UIC Class V Well Completion of Construction Notification Form.

Section C. Technical Compliance Questions

1.) Will the discharge contain any sanitary waste or sanitary wastewater?

If yes, you are not eligible for obtaining a UIC Registration approval and you shall either contact your local health department or board of health to seek approval for a Title 5 wastewater disposal system or you shall apply for a MassDEP Groundwater Discharge Permit. See UIC Regulations, 310 CMR 27.02, for the definition of sanitary waste.



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- 2.) Is there any existing soil or groundwater contamination that may be affected by the UIC Class V injection (i.e. soil contamination that may be mobilized either directly from the discharge or indirectly from the water table mounding that will result from the discharge and/or groundwater contaminant plumes that may migrate or expand as a result of the Class V UIC injection)?**

If yes, MassDEP will require additional information regarding the potential for soil and/or groundwater contamination migration that may occur and a feasibility argument for why the UIC discharge can't be designed to eliminate the potential for causing an impact on contaminant transport.

- 3.) Does the potential exist for spills or releases of oil or hazardous materials to enter the UIC well?**

- a. If yes, are there any spill control measures in place to respond to a spill or release, including but not limited to the ability to temporarily block discharge?

- 4.) Is contamination present in the discharge to the UIC well that exceeds RCGW-1 reportable concentration limits for groundwater as specified in the Massachusetts Contingency Plan (MCP), 310 CMR 40.0000?**

If yes, you may not be eligible for UIC Registration approval. There are limited exceptions for certain naturally occurring contaminants and for construction dewatering discharges at oil/hazardous waste sites but additional limitations and conditions apply and are determined on a case-by-case basis.

- 5.) Will the discharge include any brine discharges from the regeneration of cation or anion exchange water treatment filter media?** The discharge of brine solutions to fresh water aquifers is potentially harmful to sources of drinking water and to the environment. MassDEP determines whether or not a proposed discharge of brine solution is eligible for MassDEP UIC Registration approval on a case-by-case basis. In making this determination, MassDEP takes into account the volumetric rates of discharge, the proximity of nearby sources of public and private drinking water, and nearby sensitive receptors in the environment.

- a. If yes, is the treatment media being regenerated removing any contaminants in the pre-treated water that exceed a maximum contaminant level (MCL) concentration per the MassDEP Drinking Water regulations, 310 CMR 22.00 (does not include contaminants with secondary MCL that are listed in 310 CMR 22.07D)?

If yes to question 5.a., you are not eligible for a UIC Registration and your proposed discharge either requires some form of pre-treatment and a MassDEP issued Groundwater Discharge Permit; or, you shall have the spent brine solution containerized and hauled off-site for proper treatment; or, you shall have the spent filter media brought off-site for proper disposal or regeneration.

- 6.) Do all of the UIC well locations meet all applicable minimum setback distances that are listed in the MassDEP *Standard Design Guidelines for Shallow UIC Class V Injection Wells*?**

If no, the applicant shall be required to submit a feasibility argument for why the minimum setback distance(s) can't be met.

- 7.) Is a minimum vertical separation distance of four feet met between the base of each of the Class V UIC wells (measured from base of filter sand or stone placed beneath UIC well (if applicable)) and the seasonal high groundwater (water table) elevation?**



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If no, the applicant shall be required to submit a feasibility argument for why the minimum vertical separation distance can't be met.

8.) Is a minimum vertical separation distance of five feet met between the base of each of the Class V UIC wells (measured from base of filter sand or stone placed beneath UIC well (if applicable)) and the top of bedrock?

If no, the applicant shall be required to submit a feasibility argument for why the minimum vertical separation distance can't be met.

9.) Are any well additives being used or proposed for use that will be discharged to the UIC well?

- a. If yes, have you completed a Proposal for Chemical Use (additive) in a UIC Class V Well form and attach it to your UIC registration application package.

If yes to question 9.a. and you are registering a proposed UIC well or an existing well for continued use, a Proposal for Chemical Use form must be attached to your UIC registration application submittal package. The Proposal for Chemical Use form is not required if you are registering an existing well for closure.

Section D. Certification Statement

State statutes provide for penalties for submitting false information on this application form. This section must be signed by either the owner or operator of the property/facility. Any person who signs for the operator or owner must have authority to legally bind the business to perform the activities described in the applicable certification statement. The following are the only eligible persons who may sign for the operator or owner:

- In a sole proprietorship, the company's sole proprietor.
- In a partnership, a general partner with authority to bind the partnership.
- In a corporation or a non-profit corporation, a corporate official with authority to bind the corporation, e.g., president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy-making or decision making functions of the corporation.
- In a municipality or other public agency, a principal executive officer or ranking elected official who is empowered to enter into contracts on behalf of the municipality or public agency.

Upload a copy of the signed original document through eDEP upon submittal of your eDEP UIC registration application or mail the original to:

MassDEP
1 Winter Street – 5th Floor
Boston, MA 02108
Attn: UIC Program



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Enter UIC Registration Number (if applicable): _____
 UIC Registration Number

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The technical compliance form should be used by the applicant and Massachusetts Department of Environmental Protection (MassDEP) to determine whether a UIC Registration may be approved. Depending upon responses to questions provided on this form, MassDEP may contact you for additional information.

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For more information, the MassDEP *Standard Design Guidelines for Shallow UIC Class V Injection Wells* is available in the “Guidance” section of the following MassDEP UIC program’s web page: <http://www.mass.gov/eea/agencies/massdep/water/drinking/underground-injection-control.html> All questions regarding the UIC program should be addressed to askUIC@state.ma.us or to Joe Cerutti by phone at 617 292-5859 or by mail at the address shown at the end of this document. You may also contact the MassDEP Drinking Water Program at Program.Director-DWP@state.ma.us Subject: UIC, or by phone at 617-292-5770.

A. Residential/Facility Information

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



 Facility/Residential Property Name

 Facility/Residential Property Street Address

 City/Town

 State

 Zip Code

B. Preparer Information

 Preparer Name

 Preparer Address (if different from facility)

 City/Town

 State

 Zip Code

 Zip

 Telephone Number

 Preparer’s Email

 Preparer’s Phone #

C. Technical Compliance Questions

1. Will the discharge contain any sanitary waste or sanitary wastewater? Yes No



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C. Technical Compliance Checklist (cont.)

2. Is there any existing soil or groundwater contamination that may be affected by the UIC Class V injection (i.e. soil contamination that may be mobilized either directly from the discharge or indirectly from the water table mounding that will result from the discharge and/or groundwater contaminant plumes that may migrate or expand as a result of the Class V UIC injection)? Yes No
3. Does the potential exist for spills or releases of oil or hazardous materials to enter the UIC well? Yes No
- a. If yes, are there any spill control measures in place to respond to a spill or release, including but not limited to the ability to temporarily block discharge? Yes No
4. Is contamination present in the discharge to the UIC well that exceeds RCGW-1 reportable concentration limits for groundwater as specified in the Massachusetts Contingency Plan (MCP), 310 CMR 40.0000? Yes No
5. Will the discharge include any brine discharges from the regeneration of cation or anion exchange water treatment filter media? Yes No
- a. If yes, is the treatment media being regenerated removing any contaminants in the pre-treated water that exceed a maximum contaminant level (MCL) concentration per the MassDEP Drinking Water regulations, 310 CMR 22.00 (does not include contaminants with secondary MCL that are listed in 310 CMR 22.07D)? Yes No
6. Do all of the UIC well locations meet all applicable minimum setback distances that are listed in the MassDEP Standard Design Guidelines for Shallow UIC Class V Injection Wells? Yes No
7. Is a minimum vertical separation distance of four feet met between the base of each of the Class V UIC wells (measured from base of filter sand or stone placed beneath UIC well (if applicable)) and the seasonal high groundwater (water table) elevation? Yes No
8. Is a minimum vertical separation distance of five feet met between the base of each of the Class V UIC wells (measured from base of filter sand or stone placed beneath UIC well (if applicable)) and the top of bedrock? Yes No
9. Are any well additives being used or proposed for use that will be discharge to the UIC well? Yes No
- a. If yes, have you completed a Proposal for Chemical Use (additive) in a UIC Class V Well form? Yes No



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D. Certification Statement

I certify the following under penalty of law:

This document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my diligent inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

I also hereby acknowledge that I shall submit an updated UIC Class V Well Technical Compliance Form upon a change in activity which may result in ineligibility for the well's "technical compliance" status. I hereby acknowledge that I shall allow MassDEP staff on-site to perform inspections to assess the well's technical compliance.

Signature

Date

Print Name

Position/Title