

Note: The requirements for each permit application may vary, please consult with your EPA contact prior to submitting the permit application for any additional requirements.

Permit Application

To obtain a permit, please complete and submit the Permit Application to EPA. In addition to the information required on the form, please also include the following information:

- 1. DESCRIPTION OF BUSINESS** - Give a brief description of the nature of the business.
- 2. TYPE & DESCRIPTION OF INJECTION WELL** - Describe in detail the type of injection well used (example: septic system, drainage well, infiltration gallery, etc.).
- 3. LOCATION OF INJECTION WELL** – Submit a map of the site and well location.
- 4. SITE INFORMATION** - Submit a topographic map (or other map if a topographic map is unavailable) of the site extending one mile beyond the injection site, depicting the facility, each of its hazardous waste treatment, storage or disposal facilities, the injection well(s), and locations of surface water bodies, i.e. rivers, streams, and lakes.
- 5. LOCATION OF DRINKING WATER WELLS** -Provide location and description of any drinking water well(s) within 1/4 mile and how they may be impacted by the proposed injection.
- 6. AQUIFER INFORMATION** - If injection is below the unconfined surface aquifer, then include:
MAPS AND CROSS SECTION OF GROUNDWATER DRINKING RESOURCES - Submit maps and cross sections indicating the vertical limits of all groundwater drinking resources within the area of review, their position relative to the injection formation and the direction of water movement, where known, in every groundwater drinking resources which may be affected by the proposed injection.
- 7. OPERATING DATA** - Submit the following proposed operating data for each well: (1) average and maximum daily rate and volume of the fluids to be injected; (2) average and maximum injection pressure (if applicable).
- 8. INJECTION PROCEDURES** - Describe the injection procedures including pump, surge, tank, etc.
- 9. CONSTRUCTION DETAILS** - Submit schematic or other appropriate drawings of the surface and subsurface construction details of the well.
- 10. DESCRIPTION OF INJECTATE** - Give a brief description of the injectate, including any commercial products.
- 11. CHEMICAL ANALYSIS OF INJECTATE** - Provide a chemical analysis of the injectate.
- 12. EFFECT ON GROUNDWATER** - Will injectate meet current drinking water standards? If not, what exceedances are expected? Describe effect of injectate on groundwater.
- 13. MONITORING PROGRAM** - Discuss the planned monitoring program. This should be thorough, include, when appropriate, maps showing the number and

location of monitoring wells and discussion of monitoring devices, sampling frequency, and parameters measured. If a manifold monitoring program is utilized, pursuant to §146.23(b)(5), describe the program and compare it to individual well monitoring.

14. EXISTING EPA AND/OR STATE PERMITS - List any other Federal, state or local permits (if any) that apply to this discharge.

If you already have the following information on hand, please include it with the application:

- ☐ Description of hydrogeologic conditions at injection site, description, depth, and current use (if any) of the receiving formations; depth and direction of flow of ground water,
- ☐ Chemical analysis of the water from the receiving formation.

Permitting Process

Once we receive your Permit Application Package, we will perform an administrative review to determine the completeness of your application (i.e., all required elements are present). The review will typically take up to thirty days. If your Permit Application Package is deemed incomplete, we will issue a letter outlining the deficiencies and specify a date when those elements are to be submitted. If you fail to meet this deadline, your permit will be denied. When your Permit Application Package is determined to be complete, we will issue a letter stating that you have submitted all the required attachments. Once you have submitted a complete Permit Application Package, we will review the submitted information and make a determination on Draft Permit issuance. If the proposed injection does not endanger public health and the environment, EPA will prepare a Draft Permit.

The review, determination, and Draft Permit preparation can take 90 to 120 days to complete depending on current workload. Once issued, the Draft Permit decision is made available for a 30-day Public Comment Period. A Public Notice soliciting public comment on the Draft Permit decision will be issued in newspapers whose circulation covers the area near the proposed injection site. You will receive a copy of the Draft Permit and the Statement of Basis for your review and comment.

The public notice also provides the opportunity for a Public Hearing. If, during the Public Comment Period there is significant interest, a Public Hearing will be held in a community near the proposed injection site. During the hearing, any person may offer oral or written statements or informational data concerning the Draft Permit decision. The comment period can be extended, if necessary, based on the information received during the Public Hearing. Following the hearing, a written or tape-recorded transcript of the hearing will be made available to the public.

Following the Public Comment Period, we consolidate and review all comments (if any), revise the Draft Permit (as necessary such that the injection activity associated with this Permit is protective of public health and environment), and issue the permit decision in FINAL form. The Final Permit is effective immediately after the UIC Director signs the Permit *unless comments are received during the Public Comment Period*. If we receive comments during the Public Comment Period, the Final Permit becomes effective *thirty days after date the Final Permit is issued*. This is to allow time for appeal of the Final Permit decision to the EPA Administrator in Washington, D.C. Once the Final Permit becomes effective, you may begin construction of the injection well(s). Information regarding the construction will be submitted and approved by us prior to commencement of injection as will be stated in the Final Permit. **Please note that no**

construction of or injection into a Class V well is authorized until the *effective* date of the permit; any construction or injection activity prior to that date is considered a violation of UIC regulations and may be subject to enforcement action.

For new systems, the permittee will need to provide EPA with an analysis of the waste fluid from the shallow disposal system within 30 days after the UIC Class V permit is effective. The waste fluid sample should be representative of the fluids being released into the subsurface, and should, therefore, be collected at the last accessible location before the leachfield, drainfield, or structure that releases the fluid. The analysis must include the constituents listed in the permit. Analytical results showing any constituent above the Primary Drinking Water Standards or other health-based standards will cause the disposal system to be ineligible for a permit, until a treatment system or best management practices are implemented to insure that all regulated constituents in the waste fluid are below standards. After the permit is in place, any exceedance of a permit limit is considered a violation that will be subject to an enforcement action. You will then be required to take measures to prevent the occurrence of any constituents above the Primary Drinking Water Standards or close the Class V shallow disposal system. Please be advised that sampling and analysis of waste fluid will be required quarterly or semiannually. The final permit will indicate the time frame for submitting the first report of analytical results and subsequent reports.