EPA Site Information Request Fact Sheet
Class V Underground Injection Control

Aquifer Remediation Injection Systems/Wells

The Underground Injection Control (UIC) Program, created under the authority of the Safe Drinking Water Act (SDWA), is a preventative program aimed at protecting existing and future underground sources of drinking water (USDWs). Shallow wells or disposal systems that discharge fluids into the subsurface are known as Class V wells and can be authorized to inject by rule or permit. Class V wells that have the potential for ground water contamination or degradation are usually permitted. Those that do not have a potential to contribute to contamination or degradation of ground water are usually rule authorized, once inventory information has been submitted according to the requirements of 40 CFR 144.26.

The following information is needed to evaluate the impact a shallow injection well/disposal system used for aquifer remediation will have on the local hydrogeologic system, potential for USDW contamination, and whether a **permit** for this operation, rather than a **rule authorization**, should be required.

Please provide the following information:

- ☐ Property owner of facility including a physical and mailing address; phone and fax numbers.
- ☐ Operator of facility including a physical an mailing address; phone and fax numbers.
- ☐ Responsible party for the operation, maintenance, and closure of the injection system including a physical and mailing address; phone and fax numbers.
- ☐ Contact persons representing any other regulatory agencies that have an interest in the site; include a physical and mailing address and phone number.

- ☐ Briefly outline the type of contamination and when it occurred.
- ☐ Map of the site location (1:24,000 topographic map or similar)
- ☐ Analysis of the water from the receiving formation (up gradient from the contamination) and from the contaminated formation (near the source) include tabular data and a map of the contamination plume with the local ground water flow direction shown.
- ☐ Analysis of contaminants. Include BTEX and MTBE if fuel spill related.
- ☐ Type of proposed injection well. (example: water well, trench, injection gallery, etc.)
- ☐ Analysis or description of the proposed injectate.
- ☐ Hydrogeologic description, location, depth, and current use (if any) of the receiving formations. Include hydrological studies if available.
- ☐ Location of existing monitoring wells (if any) and the location of proposed monitoring wells.
- ☐ Explain how the monitoring system proposed will be able to track contaminant migration and how the proposed remediation system will minimize further migration.
- ☐ If injection is into an alluvial aquifer, provide locations of surface water bodies, i.e. rivers, streams, and lakes, within one mile of injection site (may substitute topographic map).
- ☐ Provide location and description of any drinking water wells within 1/4 mile that may be impacted by the proposed injection.

- ☐ Description of the remediation system including operational procedures.

- ☐ If injectate is treated water, is it expected to meet current drinking water standards? If not, what excedences are expected?
- ☐ Describe effect of injectate on groundwater: reaction products or by-products that are anticipated.
- ☐ Bench scale testing results if available.
- ☐ A specific closure plan for the removal, closure, or plugging of the injection system, including an estimate of closing costs.
- ☐ An executive summary of the approved Corrective Action Plan (CAP).