EPA Site Information Request Fact Sheet
Class V Underground Injection Control

Cooling Water Return Flow Injection Well

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 may be needed to evaluate the impact a shallow injection well/disposal system 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 and/or operator of facility, including address and phone number.
- ☐ Responsible party for the operation, maintenance, and closure of the injection system, including address and phone number.
- ☐ Name, address, phone number of contact of any State Agency associated with the project, if applicable.
- ☐ 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
- ☐ Site map including extraction and injection well locations
- ☐ Description and operation of the injection well, including depth, construction information, injection rate and pressure
- ☐ Drinking water wells tapping overlying formations within ¼ mile of injection location.
- ☐ Description of injectate. Are there additives in the fluids? How much temperature variation is expected? Will the fluids meet current drinking water standards? If not, what exceedences are expected?