



Town of Greenwich  
Department of Health  
Division of Environmental Services

## Closed Loop Geothermal Well Procedure

As a result of the March 5, 2007 Report to the General Assembly, “Recommendations for Regulation of Geothermal Wells”, the following procedure has been established for review of these applications.

Until a specific application for geothermal wells is developed the standard well application from the Department of Consumer Protection will continue to be used and will be submitted with the well fee. The same application can be used for multiple wells on the same property. The geothermal well proposal must include information on the system being installed. A site plan of the property must be submitted showing the layout of the system along with the existing structures on the lot including septic system location and location of other wells, property lines and potential sources of pollution (drains, water bodies, etc.).

A description of the system to be installed must accompany the proposal – at a minimum the description shall note the following:

- Number of wells with proposed depth.
- Description of geothermal system proposed – indicating Closed Loop construction, type of heat transfer fluid (submit label), type of grout (including additives other than bentonite, silica sand and water).
- Statement that the well driller will adhere to the construction standards recommended in the 2007 Recommendations for Regulation of Geothermal Wells. Without this certification reduced separation distances will not be granted.
- Wells should be located 50 feet from property line in areas served by well and septic or 25 feet from property line in areas with only water wells unless a written sanitary easement was granted by the neighboring property owner(s).
- The proposal shall indicate how the wells meet the recommended setbacks for a closed loop system (i.e. locations of wells with corresponding setbacks indicated on site plan).

Upon completion of the well system a Town of Greenwich Closed Loop Geothermal Well completion report must be submitted along with the standard Department of Consumer Protection Completion Report until a DCP geothermal completion report is created.