



Town of Greenwich

Department of Health

Low Flow Water Treatment Waste Plan

Wastewaters from most residential and small commercial water treatment systems cannot be discharged to a subsurface sewage disposal system. For guidance on the proper method for such wastewaters, please refer to the DEEP General Permit described below:

“**Low Flow Water Treatment Wastewater** (DEEP-WPED-GP-016): This general permit applies to backwash discharges from residential or small commercial water treatment devices for well water located at the “point of entry” of the building and has a maximum daily discharge of 500 gallons per day. The discharge can be directed to either the sanitary sewer or the ground by way of a “water treatment wastewater disposal system”. Compliance with the conditions of the permit is the main requirement for authorization. There is not registration or fee required to be authorized by this general permit.”

On-site Water Treatment Wastewater Disposal System Minimum Requirements:

- The dispersal system must have a storage volume of 1.5 times the water treatment system maximum daily discharge.
- Dispersal system structure must be installed 24” minimum above any underlying bedrock.
- Dispersal system structure must be installed 12” minimum above the seasonal high groundwater level (HGWL) on the site. If the source water requires treatment for pathogen removal, the dispersal system must be 24” minimum above the HGWL.
- The disposal and dispersal system cannot interfere with the operation of a subsurface sewage system. Discuss location restrictions with the office (203-987-1001).
- Minimum Horizontal Separating Distances (see full General Permit for other requirements):
 - Public or private wells: <10 gal. per minute withdrawal rate 75 feet
 - Public or private wells: 10 to 50 gal. per minute withdrawal rate 150 feet
 - Public or private wells: >50 gal. per minute withdrawal rate 200 feet
 - Watercourse 50 feet
 - Public Water Supply Reservoir 100 feet
 - Property Line 15 feet
 - Subsurface Sewage Disposal System see Tech Stds*

*refer to the State of Connecticut Technical Standards for Subsurface Sewage Disposal Systems pursuant to section 19-13-B103 of the Regulations of Connecticut State Agencies

Record Keeping and Reporting Requirements:

Within 30 days following the installation of a water treatment wastewater disposal system, the permittee (property owner/ water supply owner) must submit an installation report to the Greenwich Health Department. This form is provided to assist you in preparing a proper report and record drawing that complies with the Connecticut Department of Energy and Environmental Protection (DEEP) General Permit. Incomplete report forms will not comply with the General Permit requirements.

1. Name of water treatment wastewater disposal system installer: _____
2. System location (address): _____
3. Date of system installation: _____
4. Description of water treatment system generating the wastewater:
 - a. Type of system: _____
 - b. Maximum daily discharge volume: _____
 - c. Chemicals utilized: _____
 - d. Any anti-freeze provisions included in the installation: _____
5. Attach copies of any authorizations granted by a Municipal Water Pollution Control Authority for discharge to a publicly owned treatment works.

Note: Written notification shall be made to the Environmental Services office if there are any changes to the treatment technology or treatment chemicals used for the treatment system.

As-Built Drawing: Description and location of each water treatment wastewater disposal system.

- Provide a written description of the dispersal structure(s) installed – including dimensions, maximum daily discharge and storage volume: _____

- Vertical distance from original grade to underlying ledge/bedrock surface _____(inches)
- Vertical distance from original grade to seasonal high groundwater level _____(inches)
- Vertical distance from original grade to bottom of water treatment wastewater dispersal system _____(inches)
- In the space below, draw a plan view sketch showing the installed system and its location on the property. Show separating distances to water supply wells, water supply contractors, subsurface sewage disposal system(s), water-courses, property lines, and buildings on the sketch (attach separate drawing if necessary – but must be signed and certified as indicated below).
- Show horizontal distances from at least 2 fixed objects (survey monuments, building foundation, etc.) to each system component.

Installer Certification: The installer must certify by his/her signature that the water treatment wastewater disposal system conforms to the conditions of Section 4(a) of the DEEP General Permit for the Discharge of Low Flow Water Treatment Wastewater found at the website below

http://www.ct.gov/deep/lib/deep/Permits_and_Licenses/Water_Discharge_General_Permits/lowflow_gp.pdf

Installer's Name: _____

Print

Installer Address: _____ Phone: _____

Installer's Signature: _____ Date: _____