Permit No. _____
Date: _____
Fee ($100.00)_____

HEALTH DEPARTMENT APPLICATION

PERMIT FOR CONSTRUCTION OF LOW FLOW WATER TREATMENT WASTEWATER DISPOSAL SYSTEM

TO THE DIRECTOR OF HEALTH, EASTON CT. I hereby apply for a permit to construct a low flow water treatment disposal system for a

_____
(Type of Building) (Owner) (Present Address)

to be located at _____ in the Town of Easton. To be

installed by _____ Address _____

Signed _____ Tel. # _____ License # _____ Exp. Date._____

GENERAL INFORMATION

Size of Lot _____ Size of House _____ No. of Bedrooms _____

WATER SUPPLY

Source: _____ Well Type: _____

Distance from LFWTW System:_____

WRITTEN DESCRIPTION OF PROPOSED WORK INCLUDING A DRAWING:

_____

_____

_____

Permission is hereby granted to _____ for construction of LFWTW disposal system on premises _____ in accordance with description and plans as outlined.

Date_____ Permit # _____ Signed _____(Sanitarian)

Complete System Inspected and approved _____ As Built on File _____

By (Sanitarian) _____

Low Flow Water Treatment Wastewater Disposal System -- Installation Report Form

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 of disposal 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 no 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 surface.
- 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 disposal system. Discuss location restrictions with your local health department.

- 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 - 10 feet

Record Keeping and Reporting Requirements: **(You must complete all information on pages 1 and 2)**

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 local 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: (street address) _____, (town)_____
3. Date of system installation: _____
4. Description of water treatment system generating the wastewater:
   a. Type of system: _____
   _____.
   b. Maximum daily discharge volume: _____ (gallons per day)
   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 publically owned treatment works.

Note: Written notification shall be made to the local health department 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 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 reservoirs, subsurface sewage disposal system(s), watercourses, property lines, and buildings on the sketch.
- 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 this General Permit. See Section 4 (a) text on page 3 and full general permit at: http://www.ct.gov/deep/lib/deep/Permits_and_Licenses/Water_Discharge_General_Permits/lowflow_gp.pdf

Installer's printed name: _____

Installer's Signature: _____ **Date:** _____

General Permit for the Discharge of Low Flow Water Treatment Wastewater

Section 4. Conditions of this General Permit

The permittee shall at all times continue to meet the requirements for authorization set forth in Section 3 of this general permit. In addition, a permittee shall assure that activities authorized by this general permit are conducted in accordance with the following conditions:

(a) Operating Conditions

(1) LFWTW shall not be discharged to any open floor drain, floor trench, sump or drainage system which is designed to receive chemical spillage or other wastewaters not authorized by this general permit.

(2) No discharge of LFWTW to any watercourse is authorized by this general permit.

(3) Activated carbon backwash and regeneration wastewaters for filters which treat for volatile organic compounds shall only discharge to a POTW.

(4) No discharge of wastewater shall contain arsenic or other substances in concentrations greater than any MCL (excluding chlorides). Such prohibition shall not apply to naturally occurring substances originating in the source water, excluding arsenic.

(5) Discharges of LFWTW to a site shall be by means of a water treatment wastewater disposal system which meets the following requirements:

(A) The water treatment wastewater dispersal structure shall have a storage volume that is at least one and a half (1.5) times the volume of the maximum daily discharge of LFWTW;

(B) There shall be a minimum of twenty-four (24) inches between the bottom of the water treatment wastewater dispersal structure and any underlying bedrock surface, and a minimum of twelve (12) inches between the bottom of the water treatment wastewater dispersal structure and the seasonal high groundwater level at the site, unless the source water requires treatment for pathogen removal, in which case such separation distance shall be a minimum of twenty-four (24) inches;

(C) The discharge of LFWTW to a site shall not create or maintain a condition which will interfere with the operation and effectiveness of a subsurface sewage disposal system, permitted in accordance with section 19a-36 or 22a-430 of the General Statutes and the regulations adopted thereunder. Permittees should consult the local Director of Health if soil or groundwater conditions provide uncertainty about placement of the water treatment wastewater dispersal structure;

(D) Minimum horizontal separating distances between the water treatment wastewater dispersal structure and other items shall be as prescribed in Table 4.1 below.

Table 4.1 – Minimum Horizontal Separating Distances(1) Item	**Separating Distance (feet)**
Public or private water supply well with required withdrawal rate of:	
< 10 gal. per minute	75
10 to 50 gal. per minute	150
> 50 gal. per minute	200
Watercourse	50
Public Water Supply Reservoir	100
Property Line	15
Subsurface Sewage Disposal System	10(2)

(1)The local Director of Health may allow a separating distance reduction to a private water supply well, watercourse, or property line in the event site limitations or lot size prevents compliance with Table 4.1. Such separating distance reductions shall only be granted on existing developed properties and not for new construction. The separating distance to a private water supply well shall not be reduced to less than 25 feet and shall be consistent with any Connecticut Department of Public Health requirements.

(2)Greater separation distances may be required in accordance with the Technical Standards for Subsurface Sewage Disposal Systems pursuant to section 19-13-B103 of the Regulations of Connecticut State Agencies.

(6) For discharges to a POTW:

The discharge shall conform to any relevant municipal sewer use ordinance.