



**NORTHEAST DISTRICT DEPARTMENT OF HEALTH
69 S. MAIN STREET
BROOKLYN, CT 06234
(860) 774-7350**

APPLICATION FOR THE INSTALLATION OF A WATER TREATMENT WASTEWATER SYSTEM

Street Address: _____ M# _____ B# _____ L# _____

Owner: _____ Phone No: _____

Owners Address: _____ Email: _____

Installer: _____ Phone No: _____

Type of Treatment System: _____

Amount of backwash per cycle: _____ Gallons x 1.5 Safety Factor = _____ Gallons Per Day

Dispersal System to be used: _____ # of Units: _____

1. A scaled site plan of the property must be submitted with your application showing existing buildings, septic system, water wells within 75ft, and proposed location for WTW disposal system.

**Please see back of this page for separation distances.

2. Bottom of system must be 12" above groundwater and 24" above ledge. Soil testing may be required if not available.

Signature of Property Owner

Date

For Office Use Only

Date: _____ File #: _____ Fee: _____

Receipt #: _____ Check # _____ Credit Card: _____

Table 9 Item Separation Distance (feet) Special Provisions

Item	Separation Distance (Feet)	Special Provisions
Public or private water supply well with required withdrawal rate of:		The DOH may allow certain separation distance reductions on existing developed properties if compliance cannot be met due to site limitations. (1) (2),(3)
< 10 GPM	75	
10 to 50 GPM	100	
> 50 GPM	200	
Open watercourses	25	
Public water supply reservoir	100	
Property line	10	
Subsurface sewage disposal system	See Table 1 (Item Q)	

- (1) Reductions cannot be granted to public water supply reservoirs or public water supply wells.
- (2) Reductions to private wells shall not be reduced to less than 25 feet. WTW discharges less than 75 feet up-gradient of a private well shall be avoided, whenever possible.
- (3) The DOH may not allow reduced setback distances if there is a concern that the WTW may negatively impact the quality of the groundwater.

Table 1 Q Separation distance to a Subsurface sewage disposal system

Q - Water treatment wastewater (WTW) dispersal system		Distance to septic tank shall be reduced to 10 feet. Distance to WTW dispersal system non-discharging settling or filtration structures and solid piping shall be reduced to 10 feet; however solid piping excavations shall not backfilled with FDM.
Small Discharge <150 GPD	25' (1)	<ol style="list-style-type: none"> 1. Distance to leaching system shall be reduced to 10 feet if MLSS is not applicable or the WTW dispersal system does not discharge up-gradient or down-gradient of the leaching system. 2. Distance to leaching system shall be reduced to 25 feet if MLSS is not applicable or the WTW dispersal system does not discharge up-gradient or down-gradient of the leaching system. 3. The DOH may require an increased distance or an engineered assessment on the impacts of localized groundwater mounding in the vicinity of a SSDS.
Med. Discharge 150-500 GPD	50' (2)	
Large Discharge > 500 GPD	75' (3)	

APPENDIX E: WATER TREATMENT WASTEWATER DISCHARGES TO SSDSs

Authorized WTW Sources

WTW shall only be from a calcite filter, granular activated carbon filter, or a Point of Use (POU) reverse osmosis unit.

WTW Discharge Limits

Single-family residential buildings: WTW discharge is less than 150 gallons per backwash cycle and cannot exceed a daily average of 50 GPD.

Other buildings: WTW discharge is less than 150 gallons per backwash cycle or less than 10 percent of the building's SSDS daily design flow, whichever is greater. Additionally, discharges cannot exceed a daily average of 50 GPD or 2 percent of the buildings SSDS daily design flow, whichever is greater.

Existing SSDS Requirements

Septic tanks must have two compartments, an effluent filter, and be properly sized for the daily design flow of the building. Single compartment tanks can remain only if receiving WTW from a POU reverse osmosis unit that discharges less than 50 GPD. Septic tanks must have been cleaned and inspected within three years with no reported signs of malfunctioning. Leaching systems must provide at least 50 percent of the required ELA and be in good operating condition with no signs of malfunction or at risk of hydraulically overloading the receiving soil.

Proprietary Leaching Systems

Proprietary leaching system companies may not support the discharge of WTW into their SSDS products. Therefore the applicant should consult with the proprietary company to determine if use of their leaching system product is suitable with WTW discharge.