

Town of Darien

Health Department

Guidance for the Discharge of Water Treatment Wastewater (WTW)

Minimum requirements to be indicated on WTW plan:

- ✓ Plan shall comply with all minimum separating distances in/referenced in Technical Standards Section X. Reductions of separating distances will only be approved by DOH when allowed on existing properties if compliance cannot be met due to site limitations. Show all applicable separating distances.
- ✓ All piping shall comply with the pipe specifications in Technical Standards per Section X.. Show pipe types.
- ✓ WTW dispersal systems and WTW holding tanks shall be H-20 load rated in vehicles travel areas.
- ✓ The bottom of the WTW dispersal system shall be located 12” above maximum groundwater and 24” above ledge rock.
- ✓ The WTW dispersal system must have a minimum storage volume of 1.25 times the anticipated discharge per cycle or daily average discharge, whichever is greater.

WTW Discharges to Holding Tanks:

- Shall meet separation distances in table 9 of Technical Standards
- Shall provide an access clean out to grade
- Shall be equipped with a high level alarm
- Shall be H-20 load rated in vehicular traffic areas
- DPH approval required for WTW discharge to a Sewage Holding Tank

WTW Discharges to a Subsurface Sewage Disposal System (see Appendix E in Tech Standards)

Authorized WTW Sources Include:

- Calcite filter
- Granular activated carbon filter
- Point of use reverse osmosis unit

Discharge Limits:

- Single family residential <150 gallons/backwash cycle; cannot exceed a daily average of 50 GPD
- Other buildings <150 gallons/backwash cycle or less than 10% of the buildings SSDS daily design flow, whichever is greater. Additionally, discharges cannot exceed a daily average of 50 GDP or 2% of the building SSDS daily design flow, whichever is greater

Existing SSDS Requirements:

- Septic tank must have 2 compartments, effluent filter, and properly sized for design flow, cleaned and inspected within 3 years with no reported signs of malfunctioning.
- Single compartment tanks can remain if WTW from POU reverse osmosis unit with discharge <50 GPD.

***Proprietary Leaching Systems:**

- Consult with proprietary company to determine if leaching system product is suitable with WTW discharge.