



TOWN OF WESTBROOK

HEALTH DEPARTMENT

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PERMIT GUIDANCE FOR THE DISCHARGE OF WATER TREATMENT WASTEWATER (WTW)

1. Submit a Water Treatment Wastewater (WTW) application to the Health Department.
 - Provide specifications on the system, including the WTW volume per cycle and cycle frequency.
 - Provide a plan/sketch showing the proposed:
 - WTW dispersal system (see requirements for separating distances on pg. 2)
 - WTW holding tank (see requirements below)
 - or-
 - WTW connection to the Subsurface Sewage Disposal System (SSDS) (see requirements below)
2. Submit Soil Testing Application if there is no soil information available for the property.
3. Following approval of application; call for inspection of system before covering.
4. Submit As-built drawing with distances to two or more permanent reference points to the WTW.

WTW Discharges to Holding Tanks
<ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • Calcite filter • Granular activated carbon filter • Point of use reverse osmosis unit
Discharge limits: <ul style="list-style-type: none"> • 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 GPD or 2% of the building SSDS daily design flow, whichever is greater.
Existing SSDS Requirements: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • Consult with proprietary company to determine if leaching system product is suitable with WTW discharge.

SEPERATION DISTANCES AND REQUIREMENTS FOR WATER TREATMENT WASTEWATER (WTW) DISPERSAL SYSTEMS

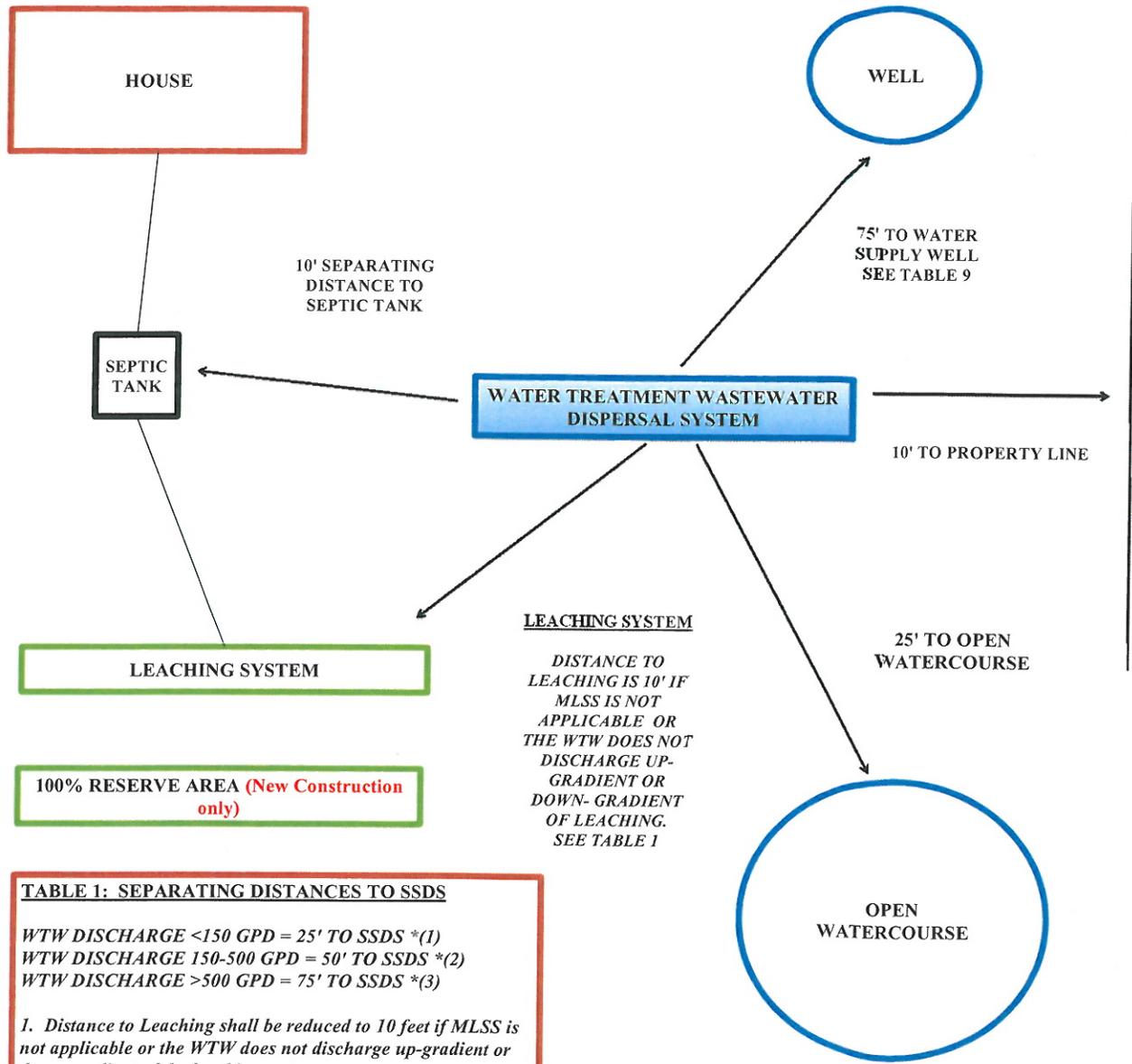


TABLE 1: SEPARATING DISTANCES TO SSDS

WTW DISCHARGE <150 GPD = 25' TO SSDS *(1)
 WTW DISCHARGE 150-500 GPD = 50' TO SSDS *(2)
 WTW DISCHARGE >500 GPD = 75' TO SSDS *(3)

- Distance to Leaching shall be reduced to 10 feet if MLSS is not applicable or the WTW does not discharge up-gradient or down-gradient of the leaching system.
- Distance to leaching shall be reduced to 25 feet if MLSS is not applicable or the WTW does not discharge up-gradient or down-gradient of the leaching system.
- The DOH may require an increased distance or an engineered assessment on the impacts of localized groundwater mounding in the vicinity of the SSDS

TABLE 9: WITHDRAWAL RATE OF WELL

<10 GPM = 75' SEPARATION DISTANCE TO WTW AND CONVEYANCE PIPING.
 10 TO 50 GPM = 150' SEPARATION DISTANCE TO WTW AND CONVEYANCE PIPING.
 >50 GPM = 200' SEPARATION DISTANCE TO WTW AND CONVEYANCE PIPING.

PUBLIC WATER SUPPLY RESERVOIR = 100' SEPARATION DISTANCE TO WTW AND CONVEYANCE PIPING.

