

§1-922(c) Composting or Incinerating Toilets and Greywater Disposal Systems

- (c) Use of a composting or incinerating toilet does not change the requirements for a potable water supply and interior plumbing. If there will be any interior plumbing, a greywater disposal system must be installed.
- (d) A greywater disposal system shall comply with all of the design factors for wastewater disposal systems in these rules, except that a reduction in size of the system constructed may be approved. A 25% reduction in size will be approved for residential use. Reductions for use in non-residential situations will be determined on a case by case basis.

§1-923 Subsurface Drip Distribution

- (a) Subsurface Drip Distribution (SDD) means a pressurized wastewater distribution system that delivers small, precise doses of effluent to shallow subsurface disposal fields. SDD distribution piping is small diameter, flexible polyethylene tubing (dripline) with small in-line emitters (orifices that can discharge effluent at slow, controlled rates, usually specified in gallons per hour). Dripline can be trenched (by hand or with a trenching machine) into narrow, shallow trenches or plowed (with a vibratory plow or other insertion tool) directly into the soil and backfilled without gravel. Typical installation depth is between 6 and 18 inches.
- (b) Soil absorption systems using subsurface drip distribution may be permitted on any site meeting the requirements of §1-805 of these Rules. Subsurface drip distribution systems require highly treated effluent and are used with aerobic treatment units or packed media filters. The isolation distances required from the bottom of the subsurface drip distribution system to bedrock and the seasonal high water table may be reduced in accordance with §1-916 of these Rules, when effluent quality is equal to or better than filtrate effluent.
- (c) Subsurface drip distribution systems shall be designed, installed, operated and maintained in accordance with current design, installation and maintenance instruction of the manufacturer. All designs for subsurface drip distribution systems shall be completed and submitted by a Class 1 Designer, as described in §1-701(b) of these Rules.
- (d) All subsurface drip distribution systems shall be designed to ensure that the system will function in all weather conditions. This would include, at a minimum, that the system (transport and distribution piping) be designed to “drainback” between dosing events.
- (e) The linear loading rate for subsurface drip distribution systems shall be calculated using a site specific hydrogeologic analysis in accordance with §1-916(a)(3)(E) of these Rules. The loading rate for subsurface drip distribution systems shall be calculated based on the percolation rate of the receiving soil and the actual wetted area around the drip emitters.

§1-924 Disposal of Used Stone, Mound Sand and Soil from a Soil-based Disposal System

- (a) When reconstructing, repairing or replacing a soil-based disposal system, the stone, mound sand, and soil removed from the system shall be disposed of in the following manner:
 - (1) If the material is disposed on the same lot on which the soil-based disposal system is located, it shall be disposed in a location that meets the minimum site conditions set forth in §1-805 of these Rules and in accordance with any applicable procedure under the Vermont Solid Waste Management Rules; or
 - (2) If the material is not disposed of on the same lot on which the soil-based disposal system is located, it shall be disposed of in accordance with the Vermont Solid Waste Management Rules.