



State of Vermont

AGENCY OF NATURAL RESOURCES
Department of Environmental Conservation

Department of Fish and Wildlife
Department of Forests, Parks, and Recreation
Department of Environmental Conservation
State Geologist
RELAY SERVICES FOR THE HEARING IMPAIRED
1-800-253-0191 TDD>Voice
1-800-253-0195 Voice>TDD

Innovative/Alternative System Approval General Use per §1-309 of the Wastewater System and Potable Water Supply Rules, effective January 1, 2005

#2006-03

Vendor Information

Infiltrator Systems Inc.
6 Business Park Road
Old Saybrook, CT 06475

Technology Name

Standard, Standard Sidewinder,
High Capacity, Equalizer 24,
Equalizer 36, Quick 4 Standard,
Quick 4 High Capacity, Quick 4
Equalizer 24, Quick 4 Equalizer 36

Contact

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Technology Type

Aggregate Free Leaching Chamber

Expiration Date

June 1, 2008

Approval

Infiltrator Chambers may be used as part of a subsurface wastewater disposal system approved under the Wastewater System and Potable Water Supply Rules, effective January 1, 2005 (Rules), under the following conditions:

1. The Infiltrator Chamber wastewater disposal systems must be designed, installed and operated in accordance with the Rules, and the manufacturer's recommendations. No distribution piping is required within the Infiltrator Chamber systems, unless otherwise required by the Rules, such as for mound wastewater disposal systems.
2. System sizing must be in accord with the Rules and the manufacturer's recommendations, except that the allowable application rate may be increased by up to two times that allowed for a conventional pipe and stone wastewater disposal system. As with a conventional pipe and stone system, only the bottom

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area of the trench or bed may be used when calculating system size. The sizing shall be based on the calculated design flow per §1-504 of the Rules.

3. This approval is based on disposal only of domestic wastewater of low and moderate strength as specified in §1-519(a)(1)(C) & (D) of the Rules.
4. The Infiltrator Chambers may be used for both new and replacement systems.
5. If the Rules are revised during the term of this approval, this approval may be revised as needed to conform to the revisions.
6. Each application for use shall demonstrate the ability to construct a fully complying replacement system, which may include treatment to filtrate effluent standards.
7. The designer shall provide a copy of this approval letter to any landowner on whose property a wastewater disposal system incorporating Infiltrator Chambers, in accordance with this approval, is being proposed, prior to the filing of any application for a site-specific approval by the Agency for the landowner's property. The application filed with the Agency shall include the landowner's written acknowledgement of this approval letter. Prior to any sale of the property or completion of a sales agreement to sell the property, a copy of the site-specific permit shall be provided to the prospective purchaser.
8. The vendor shall submit an annual report to the Agency by April 1 of each year for the 12 month period ending December 31 of the previous year. The report shall contain a list of all known problems or failures, with a brief summary of the cause and remedial measures taken.
9. When a project is subject to the Rules, site-specific permission for the use of this product is required in the form of a Wastewater System & Potable Water Supply Permit.
10. A site-specific permit for the use of this product may be revoked if the system fails to function properly. Revocation of the permit will require that the use of the building be discontinued unless another wastewater disposal system is installed based on prior written approval by the Agency.
11. A town that regulates wastewater disposal systems under 24 V.S.A., Chapter 102 and whose ordinance permits, may approve use of an Infiltrator Chamber wastewater disposal system subject to all conditions in this approval.
12. This approval is not a representation or guarantee of the effectiveness, efficiency or operation of an Infiltrator Chamber wastewater disposal system.

Design and Review Conditions

The following conditions will be used by the Department in reviewing permit applications that include Infiltrator Chamber wastewater disposal systems designed in accordance with this approval:

Equipment

- Infiltrator Systems, Inc. Chambers.

Design and Application

- The wastewater disposal system shall be designed by a Licensed Class I Designer or a Licensed Class B Designer in accordance with the manufacturer's recommendations and the Rules. No distribution piping is required within the Infiltrator Chambers, unless otherwise required by the Rules, such as for mound wastewater disposal systems. The designer shall assure that the system will properly function in all seasons.
- In sizing the system, the designer may use an application rate of up to twice the rate allowed for a conventional pipe and stone wastewater disposal system. Only the bottom area of the trench or bed may be used when calculating system size.
- The designer shall include in the design a septic tank effluent filter with easy access for inspection and cleaning.

Installation Inspection

- The wastewater disposal system shall be installed in accordance with the approved plans and under the instruction and guidance of an installer/inspector trained by the vendor.
- The wastewater disposal system shall be inspected by a Licensed Class I Designer or a Licensed Class B Designer, approved by the Vendor, during installation of the system and installation of any tanks before backfilling, and after backfilling and grading is complete. The inspection shall include checking for levelness of the chambers, and inspecting for damage and proper assembly.
- The Licensed Class I Designer or a Licensed Class B Designer shall inspect all transport piping for proper installation and watertightness before backfilling.

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Permitting

- The permit shall run with the land.
- A copy of the permit shall be provided to any prospective purchaser prior to the sale.
- Each new owner of the property shall inform the appropriate Regional Environmental Office of the Agency within 30 days of the transfer of the property and include the name and mailing address of the new owner.

Effective

July 6, 2006

by

Roger Thompson, Jr.
Regional Office Program Manager

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