



State of Vermont

Agency of Natural Resources

Drinking Water and Groundwater Protection Division
1 National Life Drive, Main 2
Montpelier VT 05620-3521
Telephone: 802-585-4911

Innovative/Alternative System Approval
General Use per §1-1001 of the
Wastewater System and Potable Water Supply Rules, effective September 29, 2007

#2006-04 (2012 Renewal and New Approval Certain Models)

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,
Quick 4 Equalizer 24 Low Profile,
Quick 4 Plus Standard, Quick 4 Plus
Low Profile, Quick 4 Plus Equalizer
24 Low Profile, Quick 4 Plus
Equalizer 36 Low Profile

Contact

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Technology Type

Aggregate Free Leaching Chamber

Expiration Date

April 25, 2015

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 September 29, 2007 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

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recommendations. No distribution piping is required within the Infiltrator Chamber systems, unless otherwise required by the Rules including but not limited to, mound, at-grade, and filtrate effluent 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 system based on the application of septic tank effluent. Application of filtrate effluent will be sized at the same rate per square foot of bottom area as for conventional pipe and stone systems applying filtrate effluent. As with a conventional pipe and stone system, only the uncovered bottom area of the trench or bed may be used when calculating the system size. The sizing shall be based on the calculated design flow per §1-808 of the Rules.
3. This approval is based on disposal only of domestic wastewater of low and moderate strength as specified in §1-915(a)(1)(C) & (D) of the Rules. Systems to treat higher strength wastes may be approved by the Secretary on a case-by-case basis with the Vendor's agreement.
4. 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 need to conform to the revisions.
6. 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.
7. 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 new installations with the VT permit number, owner name, street address and town; and all known system problems or failures, with a brief summary of the cause and remedial measures taken.
8. Site-specific permission for the use of this product is required in the form of a Wastewater System and Potable Water Supply Permit.
9. 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.

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10. 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

- Within 30 days of this approval, the Vendor shall provide an updated Design and Installation Manual for Chambers in Vermont for the new chamber models.
- The wastewater disposal system shall be designed by a Licensed Class 1 Designer or a Licensed Class B Designer in accordance with the manufacturer's recommendations and the Rules.
- In sizing the system, the designer may use an application rate of up to twice the rate allowed for septic tank effluent in a conventional pipe and stone wastewater disposal system. Only the uncovered 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 1 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.
- A Licensed Class 1 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 site-specific permit shall be provided to any prospective purchaser prior to the sale of the property.
- Each new owner of the property shall inform the appropriate Regional Environmental Office of the Agency, and the Vendor, within 30 days of the transfer of the property and include the name and mailing address of the new owner.

Effective Date: April 25, 2013

By 
Ernest Christianson
Regional Office Program Manager