



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

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GENERAL USE CERTIFICATION

Pursuant to Title 5, 310 CMR 15.000

Name and Address of Applicant:

Infiltrator Systems, Inc.
P.O. Box 768
4 Business Park Road
Old Saybrook, CT 06475

Trade name of technology and models: Infiltrator Advanced Treatment Leachfield (ATL) System (hereinafter called the "System"). The Installation Instructions including schematic drawings of typical Systems, an inspection checklist, and a System Installation Form are part of this Certification.

Transmittal Number: X262133
Date of Issuance: February 28, 2018

Authority for Issuance

Pursuant to Title 5 of the State Environmental Code, 310 CMR 15.000, the Department of Environmental Protection (Mass DEP or the Department) hereby issues this Certification for General Use to: Infiltrator Systems, Inc., 4 Business Park Road, Old Saybrook, CT 06475 (hereinafter "the Company"), certifying the System described herein for General Use in the Commonwealth of Massachusetts. The sale, design, installation, and use of the System are conditioned on compliance by the Company, the Designer, the Installer and the System Owner with the terms and conditions set forth below. Any noncompliance with the terms or conditions of this Certification constitutes a violation of 310 CMR 15.000.

Marybeth Chubb, Acting Section Chief
Bureau of Water Resources
Wastewater Management Program

February 28, 2018
Date

Technology Description

The system is an alternative subsurface Soil Absorption System (SAS) that replaces a conventional SAS designed in accordance with 310 CMR 15.000. The Infiltrator ATL System consists of the 12-inch diameter Infiltrator ATL conduit rows and the certified ASTM C-33 system sand. The ATL conduit row includes 4-inch diameter pipe covered by large-diameter synthetic aggregate, coarse geotextile, small-diameter synthetic aggregate, and the last layer is a fine geotextile. The system sand dimensions required for ATL system configurations are as follows:

- a minimum of 6 inches below the Infiltrator ATL conduit rows,
- a minimum of 12 inches between adjacent the Infiltrator ATL conduit rows, and
- a minimum of 12 inches on both sides and both ends of the Infiltrator ATL conduit footprint.

The Infiltrator ATL System can be installed in field or bed configurations.

Conditions of Approval

The term “System” refers to the Alternative Soil Absorption System in combination with the other components of an on-site treatment and disposal system that may be required to serve a facility in accordance with 310 CMR 15.000.

The term “Approval” refers to the technology-specific Special Conditions, “*Standard Conditions for Alternative Soil Absorption Systems with General Use Certification and/or Approved for Remedial Use*”, the General Conditions of 310 CMR 15.287, and any Attachments.

For Alternative Soil Absorption Systems that have been issued General Use Certification for the installation of Systems to serve facilities where the site meets the requirements for new construction, the Department authorizes reductions in the effective leaching area (310 CMR 15.242), subject to “*Standard Conditions for Alternative Soil Absorption Systems with General Use Certification and/or Approved for Remedial Use*” and subject to the Special Conditions below applicable to this Technology.

Special Conditions

1. The System is an approved Patented Sand Filter System for use as an Alternative Soil Absorption System. In addition to the Special Conditions contained in this Approval, the System shall comply with all Standard Conditions for Alternative Soil Absorption Systems, except where stated otherwise in these Special Conditions.
2. The System is approved for facilities where a conventional system with a reserve area exists or can be built on-site in full compliance with the new construction requirements of 310 CMR 15.000 and has been approved by the local approving authority.
3. This Certification shall not be used for the installation of a System to upgrade or replace an existing failed or nonconforming system, unless the facility meets the siting requirements for new construction, including a reserve area.
4. The separation distance to the estimated seasonal high groundwater elevation shall be measured from the bottom of the system sand below the Infiltrator ATL System.

5. The System shall only be installed in bed or field configuration, as described in 310 CMR 15.252. The System shall not be installed in trench configuration and no sidewall area shall be considered in the total effective leaching area provided. The effective leaching area shall be the bottom area only (length times width) of the sand bed.
6. Systems shall not be installed for use under impervious or vehicle loading surface.
7. At least one inspection port shall be installed at the end of each bed.
8. System component material specifications for the pipe, fabric and sand shall comply with the specifications identified in the initial technology approval. Prior approval from the Department for any change from these specifications shall be requested in writing.
9. Any changes to the approved plans must receive prior Local Approving Authority (LAA) approval. Before a Certificate of Compliance can be issued by the LAA the System Designer must include any changes to the approved plan into the as-built plans.