



RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

235 Promenade Street, Providence, RI 02908-5767

TDD 401-222-4462

Alternative/Experimental OWTS Technology Program

Vendor Information

Infiltrator Water Technologies, LLC
 4 Business Park Road
 P.O. Box 768
 Old Saybrook, CT 06475

David Lentz, PE
 Regulatory Director
 (860) 577-7198
dlentz@infiltratorsystems.net

Technical Services
 (800) 221-4436

Technology Name:

ARC 18, ARC 24, ARC 36 and ARC 36 HC

Technology Type:

Alternative Leachfield Component
 Class Two Approval

Certification Date

Issued: May 20, 2011
Revised: March 19, 2012
Revised: July 1, 2015
Renewed: June 13, 2016
Expires: June 13, 2021

CERTIFICATION

The Rhode Island Department of Environmental Management (RIDEM) has reviewed and hereby approves the application submitted by Infiltrator Water Technologies, LLC for renewal of the Alternative Component Technology Approval Certification for the ARC 18, ARC 24, ARC 36 and ARC 36 HC chambers, hereafter referred to as the “Component”. The Component is arc-shaped, molded high-density polyethylene, with a solid roof, louvered sidewalls and an open bottom. This Certification is issued to Infiltrator Water Technologies, LLC (manufacturer of the Component), hereafter referred to as the Vendor.

Design and installation of the Component shall be in accordance with the following terms and conditions:

I. Design Requirements

1. The Component shall be installed in stoneless trench configuration; the ends of the trenches shall be interconnected with imperforated PVC pipe.
2. The maximum leaching area rating for the four models is based on the open bottom area of each model, multiplied by 1.72, with a maximum of 4.0 square-feet per linear foot, as specified below:

ARC Chamber Model	Leaching area credit (SF/LF)
ARC 18	1.9
ARC 24	2.7
ARC 36	4.0
ARC 36 HC	4.0

3. The requirements of Rules 32, 33 and 34 shall apply unless otherwise addressed in this Certification or in the approved Design, Installation and Operation and Maintenance manual”.
4. The requirement in Rule 34 that the effluent shall be applied at least every 25 feet for leaching chambers in a trench type configuration is not applicable to the Component.
5. Each design incorporating the Component shall receive approval by RIDEM pursuant to the Rules in effect at the time of application.



6. Design and installation shall be in strict conformance with the approved Component Design, Installation and Operation and Maintenance Manual.
7. The ARC 18 chamber is approved for use as the dome structure in a pressurized shallow-narrow drainfield (PSND). Design and sizing shall be as specified in RIDEM Guidance and the approved Vendor's Design, Installation and Operation and Maintenance Manual.
8. Operation and Maintenance shall be as detailed in the approved Vendor's manual.
9. The ARC 18 chamber is allowed as a direct substitution for previously approved permitted PSND designs. As-built plans are required upon completion of construction.

II. General Requirements

1. The Vendor shall submit a finalized guidance document detailing all design, installation, operation and maintenance requirements for the Component. Once this guidance document has been submitted and accepted, it will be made available via link within the RIDEM List of Approved Alternative Technologies.
2. Revisions to the manual detailing design, installation and operation and maintenance must be submitted to RIDEM, identifying the content revised for review and approval.
3. OWTS professionals desiring training are advised to contact the Vendor.
4. The Vendor shall notify the RIDEM at least thirty (30) days prior to any proposed transfer of ownership of the Component technology. Notification shall include the name and address of the new owner and a written agreement between the existing and new owner specifying a date for transfer of ownership, responsibility, and liability for the technology. All provisions of this Certification shall be applicable to any new owners.
5. The Vendor shall provide any purchaser of the Component with a copy of this Certification prior to the sale of the Component.
6. The Vendor shall notify the RIDEM in writing of any changes to the Component, including its discontinuation. Modifications deemed by the RIDEM to be substantial, may require re-application to the Alternative/Experimental Technology Program.

III. Rights of the RIDEM

1. The RIDEM may suspend, modify or revoke this Certification for cause, including but not limited to: Non-compliance with any of the provisions or conditions of this Certification, misrepresentation or failure to fully disclose all relevant data, or receipt of new information indicating the use of the Component is contrary to the public interest, public health or the environment.
2. This Certification does not represent an endorsement of the Component by the RIDEM. This Certification may be reproduced only in its entirety.



Brian M. Moore, P.E.
Chief of Groundwater and Wetlands Protection

6-13-16

Issuance Date