



Alternative/Experimental OWTS Technology Program

Vendor Information:

Infiltrator Water Technologies
4 Business Park Road
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Contact:

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Technology Name & Model Numbers:

ARC 18
ARC 24
ARC 36
ARC36HC

Technology Type:

Alternative Leachfield Component
Class II

Certification Dates:

Renewed: September 2, 2021
Expires: September 2, 2026

CERTIFICATION

The Rhode Island Department of Environmental Management (RIDEM) has reviewed the Class Two Alternative Component Technology renewal application received on June 9, 2021 and submitted by Infiltrator Water Technologies, hereafter referred to as the “Vendor”, for the Arc 18, Arc 24, Arc 36, and Arc36HC plastic leaching chambers hereafter referred to as the “Component”. Based upon information contained in the application the RIDEM hereby renews the approval of the Component for listing on the RIDEM Alternative and Experimental (A/E) Technology List as a Class Two Component.

The Component is an arc shaped, molded high-density polyethylene leaching chamber, with a solid roof and an open bottom.

Design, installation, and operation 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 solid PVC pipe.
2. Design and installation shall be in strict conformance with the RIDEM-approved *ARC RI Design and Installation Manual dated August 2021* and shall only be performed by a Rhode Island licensed designer/installer who has received training and is authorized in writing by the Vendor to design/install the Component.
3. The maximum leaching area rating for each approved model is outlined in the *ARC RI Design and Installation Manual dated August 2021*.
4. The requirements of RIDEM OWTS Rule 6.33 (Leachfields), 6.34 (Dispersal Trenches), and 6.35 (Concrete Chambers) shall apply unless otherwise addressed in this Certification or in the approved *ARC RI Design and Installation Manual dated August 2021*.
5. The requirement in RIDEM OWTS Rule 6.35 (Concrete Chambers) that requires effluent to be applied at least every 25 feet for leaching chambers in a trench style configuration is not applicable to the Component.

6. The ARC18 is approved for use as the dome structure in a pressurized shallow-narrow drainfield (PSND). Design and sizing of the ARC18 shall comply with RIDEM OWTS Rule 6.37.D (Pressurized Shallow Narrow Drainfield) and the *ARC RI Design and Installation Manual dated August 2021*.
7. The ARC18 is allowed as a direct substitution for previously approved permitted PSND designs. As-built plans are required upon completion of construction in these instances.
8. Each Component design shall meet all other applicable RIDEM OWTS Rules and receive prior approval by the RIDEM pursuant to the regulations in effect at the time of application.

II. Training

1. The Vendor shall make training available for designers, installers, and service providers.
2. The Vendor shall make available to the public, a means of verifying individuals, by name and category, who have received training and are authorized in writing by the Vendor to design, install, and maintain the Component.

III. General Certification Requirements

1. This Class Two certification shall be effective until its expiration and may be renewed according to the provisions of the OWTS Rules, as amended.
2. The Vendor is responsible for providing any revisions to the design and installation manual for all models applicable to this certification to RIDEM for review and approval within thirty (30) days of RIDEM request. All manuals must be provided to the RIDEM in electronic portable document format (pdf).
3. 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 program.
4. The Vendor shall notify the RIDEM at least 30 days prior to any proposed transfer of ownership of the Component. 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 Component. All provisions of this approval shall be applicable to any new owners.
5. The Vendor shall provide any purchaser of the Component with a copy of this approval prior to the sale of the Component.

IV. Operation and Maintenance Requirements


1. Operation and maintenance of the Component shall be performed in strict conformance with the *ARC RI Design and Installation Manual dated August 2021*.
2. The RIDEM approved Design Manual shall be provided to the Owner/Operator.
3. Installations of the Component shall be in accordance with the *ARC RI Design and Installation Manual dated August 2021*.

V. Rights of the RIDEM

1. The RIDEM may suspend, modify or revoke this approval for cause, including but not limited to: non-compliance with any of the provisions or conditions of this Certification, misrepresentation or failure to disclose fully all relevant data, or receipt of new information indicating that the use of the Component is contrary to the public interest, public health or the environment.
2. The design and installation manuals referenced herein are approved upon the date of approval of this Certification.
3. The RIDEM reserves the right to suspend or revoke this Certification if updated design and

installation manuals are not provided to the RIDEM within thirty (30) days of RIDEM request or one hundred and eighty (180) days prior to the expiration date of this Certification. All revisions must be reviewed and approved by the RIDEM.

4. This approval does not represent an endorsement of the Component by the RIDEM. This letter of approval may be reproduced only in its entirety.


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9-02-2021
Issuance Date