



RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

235 Promenade Street, Providence, RI 02908-5767

TDD 401-831-5508

Innovative/Alternative ISDS Technology Program

Vendor Information:

Cultec, Inc.
878 Federal Road
Brookfield, CT 06804

Contacts:

Mr. Robert DiTullio (800) 4-CULTEC
Mr. Leo Lessard (508) 755-6914

Technology Name:

Contactor Chambers Models 75, 100 & 125
Field Drain Panels (C-1, C-2, C-3 & C-4)

Technology Type:

Alternative Leach Field Component
Class I

Expiration Date: None

CERTIFICATION

The Department of Environmental Management has reviewed the Class I Innovative/Alternative Component Technology application submitted by Cultec, Inc., hereafter the "Vendor", for the Contactor Chambers and the Field Drain Panel System, hereafter the "System". The System consists of high-density polyethylene arch-shaped chambers with holes along the sidewall on the lower portions of the units. Three models of Contactor Chambers (models 75, 100 and 125) and four Field Drain Panel configurations (C-1, C-2, C-3, C-4) have been approved.

Based upon information contained in the Vendor's application, supplemental data submitted to the Department on June 17, 1998, the Department hereby accepts the System for listing on the RIDEM Innovative or Alternative Technology List as a Class I-Component. Design and installation of the System shall be in accordance with the following terms and conditions:

I. Design Requirements

1. The System shall be sized based on the criteria for shallow leaching chambers (flow diffusers) SD 13.02. The dimensions of the various approved chambers and their effective leaching area are listed below.

Model	Dimensions (inches) Width x Height x Length	Invert Height (inches)	Effective Leaching Area	
			ft ² /linear ft	ft ² /unit
Contactor 75	30 x 12.4 x 75	6	4.5	28.1
Contactor 100	36 x 12.5 x 78	6	5.0	32.5
Contactor 125	30 x 18 x 75	12	5.2	32.5
Field Drain Panel				
C-1	12 x 8.5 x 96	3	2.5	20
C-2	24 x 8.5 x 96	3	3.5	28
C-3	36 x 8.5 x 96	3	4.5	36
C-4	48 x 8.5 x 96	3	5.5	44

2. The Contactor 75 and 125 shall be installed in 2.5 ft wide trenches, the Contactor 100 shall be installed in 3 ft wide trenches and the Field Drain Panels C-1, C-2, C-3 and C-4 shall be installed in 1 ft, 2 ft, 3 ft, and 4 ft wide trenches, respectively. All systems shall be installed with one foot (1') of stone beneath the chambers and additional stone filling the sidewall space between the trench wall and the chamber. The surrounding stone must be placed up to the top of the chamber. (See Design and Installation Manual for details.)
3. The System shall not be used on sites where the design groundwater table depth is less than four feet (4').
4. The requirement in SD 13.07 that the effluent shall be applied at least every 25 feet for leaching chambers in a trench type configuration is not applicable to the System.
5. Each System installation shall meet all applicable ISDS standards for shallow leaching chambers, except those which specifically have been varied by the terms of this Certification, and receive prior approval by the Department pursuant to the regulations in effect at the time of application.
6. Design and installation shall be in strict conformance with the approved system design and installation manual and shall only be performed by a Rhode Island licensed installer who has received training and is authorized, in writing, by the Vendor to install the System.

II. Reporting Requirements

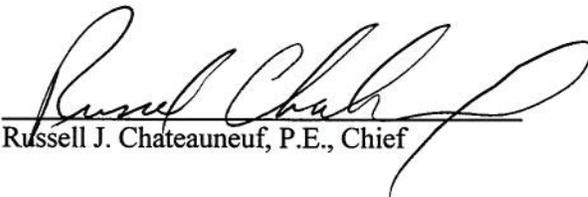
1. The Vendor shall submit an annual report to the Department by November 30 of each year that contains information on all known problems or failures experienced during the previous 12 month period ending September 30 of the year and include a brief summary of the cause and remedial measures taken.

III. General Requirements

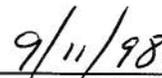
1. The Vendor shall submit a finalized guidance document detailing all design, installation, operation and maintenance requirements for the System. Once this guidance document has been submitted and accepted, the System shall be placed on the Department's list of approved Innovative/Alternative Technologies.
2. The Vendor shall notify the Department at least thirty (30) days prior to any proposed transfer of ownership of the System 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 approval shall be applicable to any new owners.

III. Rights of the Department

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



Russell J. Chateauf, P.E., Chief



Issuance Date