



# Minnesota Pollution Control Agency

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July 6, 2017

Mr. Scott Samuelson  
Managing Member  
Fuji Clean USA, LLC  
41 Greenwood Rd, Unit 2  
Brunswick, ME 04011

RE: Product Registration – Notice of Proprietary Treatment Product Listing

Description: Sewage Treatment System, Attached and Suspended Growth  
Manufacturer: Fuji Clean USA, LLC  
Product Name: CE Model Series Treatment Systems  
Model Numbers: CE5, CE7, CE10, CE14 (Max Design Flow 450, 630, 900, and 1000 GPD per unit)  
Product Listing: Category A (residential sewage)

Dear Mr. Samuelson:

Thank you for your application for product renewal dated February 28, 2017, for the Fuji Clean USA CE Model Series Treatment Systems.

In accordance with Minnesota Rules Chapter 7080 through 7083, the Minnesota Pollution Control Agency (MPCA) has reviewed Fuji Clean USA's submitted materials requesting registration for Category A (residential) treatment product listing of the CE Model Series in this application. Based on the submitted documentation, the MPCA finds that the CE Model Series is eligible to be registered per Minnesota Rules Chapter 7083.4030 as meeting the following treatment levels:

- **Treatment Level B2** (cBOD5 of 25 mg/L, TSS of 30 mg/L) without disinfection
- **Treatment Level C** (cBOD5 of 125 mg/L, TSS of 60 mg/L and Oil & Grease of 25 mg/L) without disinfection

The CE Model Series is registered with a design rated capacity of 450, 630, 900, and 1,000 gallons per day per unit, as shown in Table 1.

Subject to this determination, the CE Model Series, including the CE5, CE7, CE10, and CE14 will be placed on the List of Registered Subsurface Sewage Treatment System (SSTS) Products. The product information listed in this Notice of Proprietary Product Listing will be maintained on the MPCA website and may not be altered or misrepresented by the manufacturer or any other person without permission by the MPCA.

**Table 1. CE Model Series without disinfection**

Product Name Model	Treatment Process	Design Flow (gpd)	BOD5 Removed (lbs/day)	Highest Treatment Level	Important Product Use Information
CE5	Suspended and Attached Growth	450	0.52	B2	<ul style="list-style-type: none"> <li>● Notice of Product Listing                             <ul style="list-style-type: none"> <li>○ MPCA Letter</li> <li>○ Conditions of Registration</li> <li>○ Expiration Date</li> </ul> </li> <li>● CE Model Series Manual                             <ul style="list-style-type: none"> <li>○ Submitted Drawings</li> <li>○ Known Limitations</li> <li>○ Installation</li> <li>○ Operation &amp; Maintenance</li> <li>○ Owners Information</li> <li>○ Regulators Checklist</li> <li>○ Service Contract</li> </ul> </li> <li>● Management Plan</li> <li>● Operating Permit Template</li> </ul>
CE7	Suspended and Attached Growth	630	0.73	B2	
CE10	Suspended and Attached Growth	900	1.04	B2	
CE14	Suspended and Attached Growth	1000	1.16	B2	

The registration of the treatment products in Minnesota is contingent upon compliance with the following conditions:

1. Products must be used in compliance with MPCA rules and the plans and design specifications provided. Any deviation from the plans and specifications shall not be permitted unless authorized by National Sanitation Foundation (NSF) and, in writing, by the MPCA for registered use.
2. The manufacturer shall have readily accessible information, specific to a product's registered use in Minnesota for; designers, installers, service providers, regulators, and interested parties for the following items: a) product manual, b) design instructions, c) installation instructions, d) operation and maintenance requirements, e) homeowner instructions, and f) list of manufacturer-certified service providers, if any, as required by Minnesota Rules Chapter 7083.4040 (H).
3. The design flows for the registered CE Model Series are as follows:
  - 450 gallons per day for the CE5
  - 630 gallons per day for the CE7
  - 900 gallons per day for the CE10
  - 1000 gallons per day for the CE14

4. Septic/trash tank capacity for dwellings shall meet the manufacturer's size requirement consistent with National Sanitation Foundation (NSF) testing and as specified in the Application for Registration. The tank(s) shall be designed to withstand the pressures to which it will be subject to. The tank(s) and all pipe penetrations, risers, and other connections to the tank shall be watertight.
5. Each system must be delivered with an installation manual and owner's manual for the CE Model Series (CE5, CE7, CE10, and CE14). Each component must be installed in accordance with the manufacturer's installation manual.
6. All systems shall be designed and operated with a suitable alarm device(s) should the CE Model Series (CE5, CE7, CE10, and CE14) units malfunction.
7. This treatment product is a Minnesota-registered product for Type IV systems. For Treatment Levels B2 and C, effluent loading rates to the soil, method of distribution, and vertical separation requirements shall meet the minimum requirements contained in Minnesota Rules Chapter 7080.2150 thru 7080.2350. The effluent, following treatment in the CE Model Series, is required to be uniformly distributed to the soil for final treatment and dispersal.
8. Systems may only be designated as Type IV systems when designed and installed per the drawings submitted as part of the Application for Product Registration, dated February 28, 2017, and subsequent documents submitted prior to this registration.
9. As a Type IV system, the system must be constructed and operated under the required local permits.
10. The level of maintenance required for CE Model Series components shall be as specified in the products Operation and Maintenance Manual. This includes, but is not limited to, maintenance every six months.
11. As specified in Owner's Manual, limitations of the product are identified, including a list of unsuitable wastes that must not be discharged into the system and limitations of influent BOD<sub>5</sub> less than or equal to 300 mg/L, TSS less than or equal to 200 mg/L and O&G less than 50mg/L. The manufacturer is responsible to provide a listing of other known limitations, made available on the company's website or other means.
12. Training shall be provided to MPCA-licensed Subsurface Sewage Treatment System practitioners before designing, installing, or providing service to CE Model Series (CE5, CE7, CE10, and CE14) treatment systems registered for use in Minnesota.
13. During the period of product registration and as part of the renewal process, systems using registered treatment products are subject to an audit by the MPCA.

**Please be advised that this registration expires December 31, 2020.** Manufacturers desiring to continue product registration beyond this date must obtain MPCA renewal according to the requirements in Minnesota Rules Chapter 7083.4040 (E). If the product has changed or is retested according to the protocol required for registration, renewal shall be based on the most recent test results. If the MPCA finds the product has changed in any way that may affect performance, it may not be renewed and must meet the requirements for initial registration.

Mr. Scott Samuelson

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The MPCA is in no way endorsing these products or any advertising, and is not responsible for any situation, which may result from its use or misuse. The MPCA is not liable for any product failure and these statements are not intended and cannot be relied upon to establish any substantive or procedural rights with the state of Minnesota or the MPCA, either expressed or implied, that can be enforced in litigation or any administrative proceeding.

If you have any questions, please contact Cody Robinson at 651-757-2535 or by email at [Cody.Robinson@state.mn.us](mailto:Cody.Robinson@state.mn.us).

Sincerely,

*Cody Robinson*

*This document has been electronically signed.*

Cody Robinson  
Soil Scientist  
SSTS Section  
Municipal Division

CR:wgp

cc: File