



**RHODE ISLAND**  
**DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**  
OFFICE OF WATER RESOURCES  
235 Promenade Street, Providence, Rhode Island 02908

March 11, 2021

**CERTIFIED MAIL**

Mr. Scott Samuelson  
Fuji Clean USA, LLC  
41-2 Greenwood Road, Ste 2  
Brunswick, ME 04011 USA

**RE: Petition to Reclassify - Fuji Clean Alternative/Experimental OWTS Technology Certification**

Dear Mr. Samuelson:

The RI Department of Environmental Management (RIDEM) Onsite Wastewater Treatment Systems (OWTSs) Program received the *July 21, 2020 Petition to Reclassify Fuji Clean Technology as a RIDEM Category 1 System* on July 24, 2021. In addition, the RIDEM OWTS Program received the *February 24, 2021 Fuji Clean Surge Test Performance Study* on February 25, 2021. These reports were submitted as part of a petition to modify the existing RIDEM A/E Technology Certification for Fuji Clean from a Category 2 pretreatment technology to a Category 1 pretreatment technology as defined in the OWTS Rules.

Leachfield size reductions are allowable based on consistency and quality of pretreated effluent. The Fuji Clean technology has been shown to achieve effluent quality of  $\leq 20$  mg/L BOD,  $\leq 20$  mg/L TSS,  $\leq 19$  mg/L TN, and  $\leq 5$  mg/L Oil and Grease. This performance data demonstrates that the Category 1 pretreatment technology effluent quality criteria have been satisfied. Additionally, third-party testing at the Massachusetts Alternative Septic System Test Center (MASSTC) in Barnstable, MA has proven that even without strict timed dosing the Fuji Clean technology was able to consistently achieve effluent quality target concentrations under surge flow conditions. This third-party testing regime demonstrated that effluent quality can be achieved on a consistent basis even under surge flow conditions which is the second measure of a Category 1 pretreatment technology.

Enclosed is a revised RIDEM A/E Technology Approval of Fuji Clean models CEN5, CEN7, and CEN10 with an effective date of March 11, 2021. The revised approval allows for the use of Fuji Clean using Category 1 leachfield loading rates as defined in the OWTS Rules when used in conjunction with advanced pressure drainfields. In addition, when Fuji Clean is used preceding a conventional leachfield a 50% leachfield size reduction will now be allowed.

If you have any questions please contact Brian Lafaille, PE at (401) 222-3961, ext. 7731 or via email at [brian.lafaille@dem.ri.gov](mailto:brian.lafaille@dem.ri.gov).

Sincerely,

Mohamed J. Freij, PE, PLS  
Supervising Environmental Engineer  
Onsite Wastewater Treatment Systems Program

MJF:bdl

pc: Fuji Clean A/E Technology File

Ecc: [scott@fujicleanusa.com](mailto:scott@fujicleanusa.com)