



**CABINET FOR HEALTH AND FAMILY SERVICES
DEPARTMENT FOR PUBLIC HEALTH**

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May 15, 2020

Scott Samueison
Fuji Clean USA, LLC
41-2 Greenwood Road
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Mr. Samuelson,

Fuji Clean USA, LLC has submitted a request for approval to use the Fuji Clean CE-Series model numbers CE-5, CE-7 and CE-10 in the Commonwealth of Kentucky. The request including NSF testing data, reports, design standards, other relevant papers and information have been reviewed. The Fuji Clean CE-5, 7, and 10 in all models are approved for use in the Commonwealth of Kentucky as an Aerobic Treatment Unit based on the Authority from 902 KAR 10:081 section 3(3) c. with the following requirements. The approval number shall be stenciled on the system's outlet side and shall read:

Fuji Clean CE-Series Model Number/Gallons Per Day/Approval Number

CE-5	500	GPD	KY-F-04-0-0218-S
CE-7	700	GPD	KY-F-07-0-0218-S
CE-10	1000	GPD	KY-F-10-0-0218-S

Description

The Fuji Clean CE-Series is a combined-process wastewater treatment system. "Combined process" refers to the use elements generally described as "fixed media" and "suspended growth" wastewater treatment. Another term is an Integrated Fixed-Film Activated Sludge (IFAS) process. Fixed media designs typically apply wastewater to a medium, on which the microbes attach themselves. Suspended growth refers to a technique of suspending microbes in a tank of water using aeration. Models consist of a single tank divided into three chambers, some containing proprietary media, to treat the wastewater. The design is a variation of the Modified Ludzak-Ettinger (MLE) process. The design incorporates a diaphragm compressor to supply oxygen and energize an airlift pump to recirculate treated wastewater back to the influent chamber. A separate airlift pump regulates effluent discharge. The integrated nature of the design precludes the need for additional upstream tankage, which is common for many onsite wastewater treatment products.

