

## Indian River Lagoon Nitrogen reduction



Hello, we are Hector Ramirez and Maricarmen Borges from HM Septic Services LLC. The drastic effects of the algal blooms in the Indian River Lagoon, Brevard County FL caught the resident's attention in 2016. The massive sea grass loss and dead fish led to a referendum in which the Save Our Indian River Lagoon (SOIRL) program was approved. This program intends to improve the lagoon's health by implementing various projects such as muck dredging, oyster restoration, municipal wastewater treatment upgrades, stormwater treatment, sewer conversion and septic upgrades. According to the county evaluations, each residential septic system can contribute up to 47 pounds of nitrogen per year affecting our lagoon's health. The program offers incentives for residents to upgrade their conventional septic system to an advanced nitrogen reducing system. In order to obtain the incentive, owners have to upgrade their system with units that are certified to remove nitrogen by at least 65%.

Fuji Clean CEN models offer some of the highest levels of nitrogen reduction available, making the product ideal for this program. In 2020, our company installed a Fuji Clean CEN5 which was one of the first systems for the program and since then we have encouraged all of Brevard county residents to use the product. Currently we are working with the residents of Sunnyland Beach in Melbourne Beach, FL to help make the transition from conventional septic to advanced treatment units. The community is surrounded by canals leading to the Indian River. The residents are looking for the best products available to help the lagoon. The residents like FujiClean because it is a one tank system, easy to maintain, and offers more than the 65% reduction required by the program. We believe Fuji Clean CEN models are not only reliable and easy to install, but will be a crucial part in reducing the nutrients that contribute to many of the problems effecting of our lagoon.

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