

**PROJECT APPLICANT:** North Sea Farms (Fresh Egg Farm Stand)

**PROJECT TITLE:** North Sea Farms Septic Improvement Project

**PROJECT TYPE:** Wastewater Treatment Improvement Project

**SCALE:** Neighborhood/Watershed

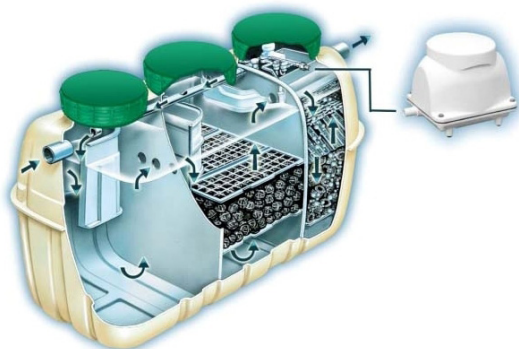
**APPROACH:** Reduction

**DESCRIPTION:**

The project proposes to replace existing cesspools on the property with two new Innovative and Alternative Onsite Wastewater Treatment Systems (I/A OWTS). North Sea Farms is a 4.028-acre agricultural facility and farm stand that contains employee housing and a kitchen on the property. The Farm is located in a High Priority area with a 0-2 year groundwater travel time to surface waters. Both Wooley Pond and North Sea Harbor are in close proximity to the Farm and are listed as impaired water bodies by the NYSDEC due to elevated levels of nitrates. The submitted site plan proposes installation of two Fuji Clean I/AOWTSs; one CEN-7 unit and one CEN-5 unit.

The current system accommodates a flow of 1,099.32 gpd with an estimated total nitrogen effluent concentration of 65mg/L, and a total nitrogen effluent quantity of 270,460.20 mg of nitrogen a day. The proposed I/A OWTS will have a total nitrogen effluent concentration of 11.4 mg/L or less and a nitrogen effluent quantity of 50,549.30 mg of nitrogen a day. This represents an 81% reduction in nitrogen loading resulting from this project.

**PROPOSED PROJECTS**



**MAP OF PROJECT LOCATION**



**REQUESTED AMOUNT:** \$64,000