

## Emergency FujiClean Upgrades on Adjacent Lots



**Problem:** Two neighboring residences located on Three Mile Harbor in East Hampton, NY had collapsing cesspools that needed to be replaced with a low-nitrogen treatment unit pursuant to new sanitary mandates implemented by the Town and County. The project was complicated by the properties' close proximity to the harbor and the resultant high-water table.

**Solution:** Advanced Wastewater Solutions (AWS) and A&A Sewer and Drain teamed up to replace the failing cesspools with FujiClean CEN5 onsite treatment units leading into pressurized shallow drainfields (PSD) consisting of an Orenco Simplex Pump Station discharging into two rows of chambered drainfield. The FujiClean CEN units will remove upwards of 80% of nitrogen from the wastewater effluent through its "contact filtration" treatment whereby the wastewater is recirculated through aerobic and anaerobic chambers in direct contact with proprietary fixed film

media, facilitating biological digestion and mechanical filtration. The PSD further reduces total nitrogen and provides treatment of other contaminants by evenly distributing the effluent within 18 inches of the topsoil horizon where increased microbial activity and nutrient absorption occurs.

**Result:** Pursuant to a special "emergency replacement" program adopted by Suffolk County, AWS and A&A were able to bypass the usual months-long sanitary design and approval process and replace both failed cesspools with cutting edge onsite treatment technology in a total of three days.

For more information, contact Advanced Wastewater Solutions at (631) 259-3353 or [info@awsli.com](mailto:info@awsli.com)

Adapted from Pumper Magazine, Dec 2024 & Onsite Installer, Dec 2024