

**PROJECT APPLICANT:** Stony Brook University

**PROJECT TITLE:** Nitrogen Reducing Woodchip Biofilter Polishing Units in Commercial IA Systems

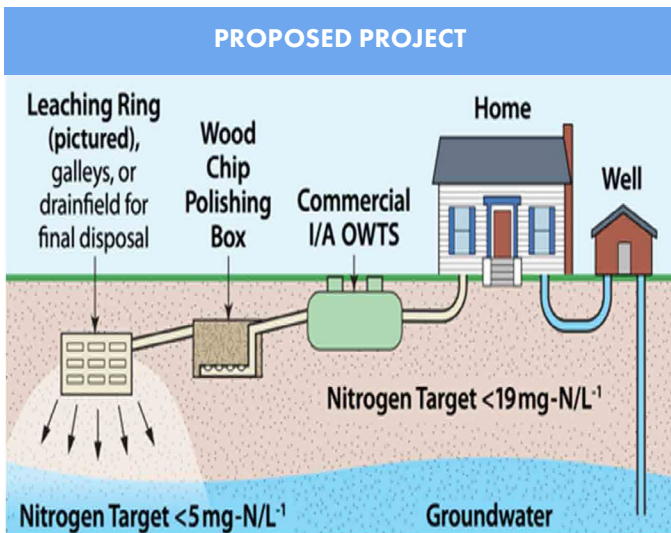
**PROJECT TYPE:** Wastewater Treatment Improvement Project

**SCALE:** Neighborhood/Watershed

**APPROACH:** Reduction

**DESCRIPTION:**

The NYS Center for Clean Water Technology (CCWT) has developed a denitrifying woodchip biofilter that is capable of being added to any commercial I/A OWTS to further decrease the amount of nitrogen entering the environment. This woodchip biofilter reduces the nitrate levels of the effluent wastewater to about 3-4 mg /L. The NYS CCWT is looking to install eight (8) of these woodchip polishing units along with I/A OWTS's to residential and/ or municipal facilities in high priority areas within the Town of Southampton. CCWT will measure the water quality (i.e. ammonium, nitrate, nitrite, TKN and NH4+ DO and pH) before and after the woodchip biofilter polishing unit over three years.



**REQUESTED AMOUNT:** \$ 123,619.00