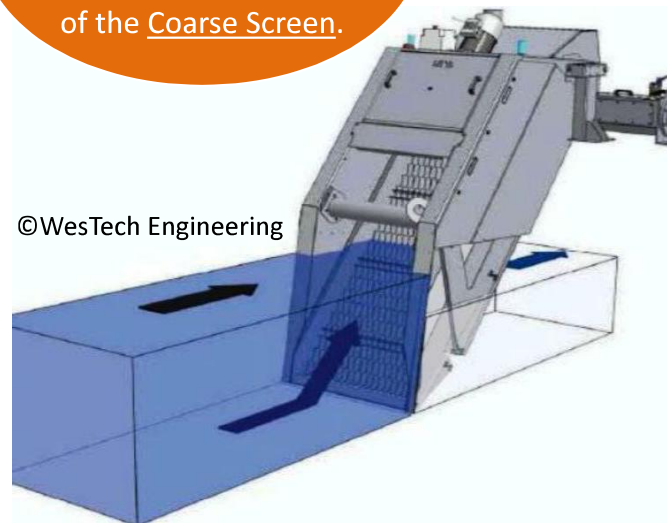


A Step-by-Step Guide to Cleaning up the Bay

at the Leonardtown Wastewater Treatment Plant

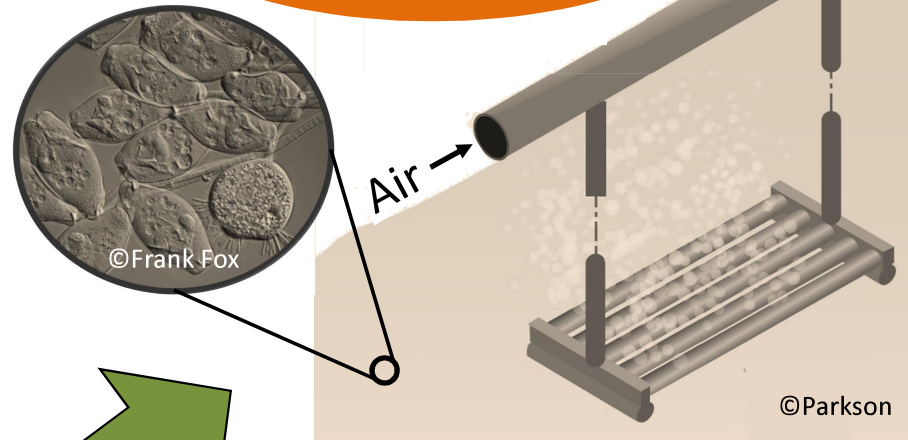
1

Large debris (>1/4 inch) in the influent wastewater stream is trapped by the metal bars of the Coarse Screen.



3

Microorganisms in the Biological Lagoon consume the nutrients in the wastewater or convert them into forms that can be released to the atmosphere. Air and chemicals are introduced to optimize nutrient removal.



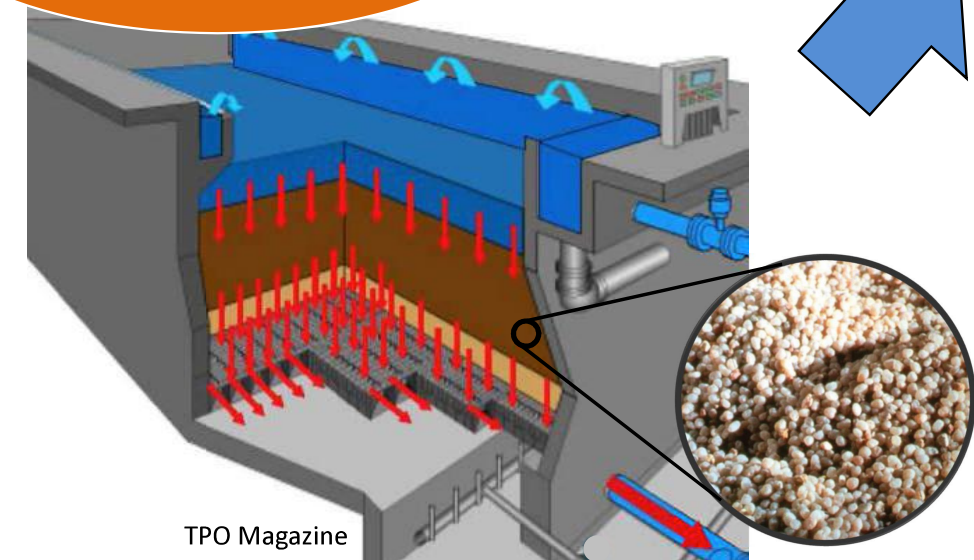
6

Treated effluent is disinfected by the UV System and aerated before leaving the plant.



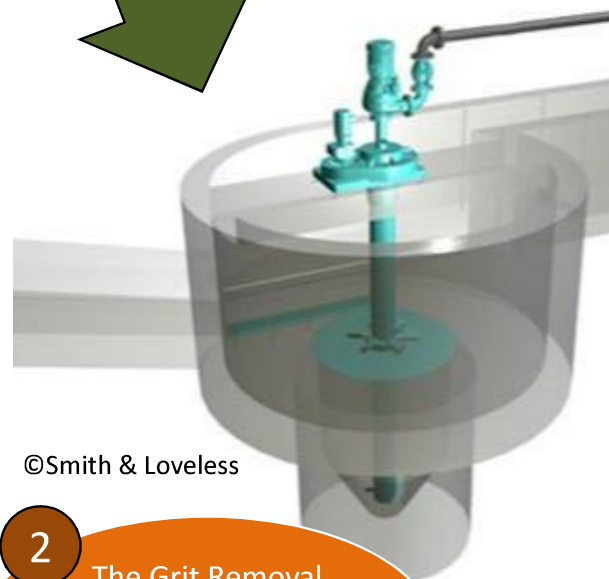
5

The Denitrification Filters are filled with specialized sand, which traps constituents in the wastewater as flows passes through. Bacteria also grows in the sand that help to remove even more nutrients.



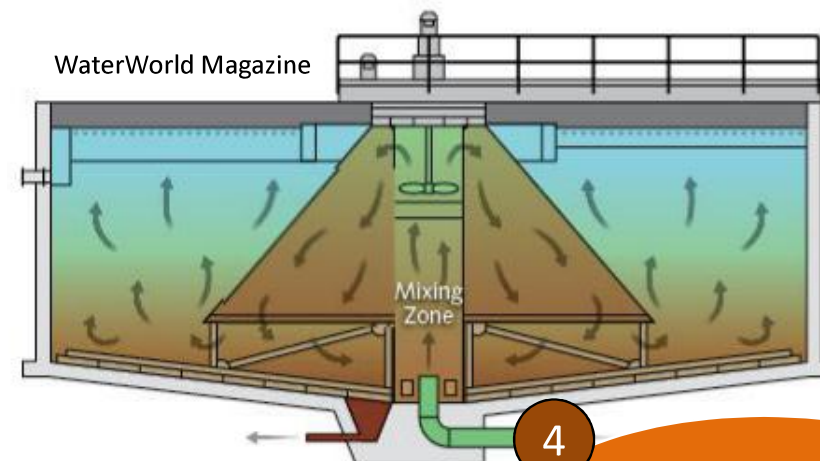
2

The Grit Removal System uses gravity and currents to settle out sand and other heavy sediment.



4

The Secondary Clarifiers provide a large zone with little turbulence, allowing for separation of particles which are more dense than clean water.



7

Solids are regularly wasted from the system and stored until they can be dewatered by the Screw Press prior to offsite disposal.

