South Bay Water Reclamation Plant Treatment Process

**BAR SCREEN**
The wastewater is first sent through a screen that collects and removes large debris.

**GRT CHAMBER**
In the grit chamber, heavy particles such as sand, settle to the bottom of the tank where it is removed.

**DEBRIS**

**AERATION TANKS**
In the aeration tanks, wastewater is mixed with oxygen to create an environment for bacteria to decompose organic pollutants.

**OXYGEN**

**TO SEWERS**

**PRIMARY CLARIFIER**
In primary treatment, heavy particles such as dirt sink to the bottom of large tanks and are removed.

**SECONDARY CLARIFIER**
During the secondary treatment phase, bacteria is added to organically rid the water of harmful pollutants. The remaining waste is removed as sludge for reuse as fertilizer.

**TERTIARY FILTERS**
Then the water trickles through anthracite coal filters to remove remaining wastes.

**UV DISINFECTION**
At this stage, filtered water is disinfected with ultraviolet light to kill any remaining bacteria.

The water is recycled for use in irrigation and industrial uses.