THE PROCESS
Delta Diablo treats wastewater from Antioch, Bay Point, and Pittsburg using primary, secondary and tertiary treatment. Primary treatment is a simple mechanical process that uses screens, grit chambers, and settling tanks to remove trash and settleable solids from the wastewater. Secondary treatment is a complex biological process that uses bacteria to convert dissolved organic matter into suspended matter that can be settled out as sludge. The remaining wastewater is then disinfected and discharged, while the solids are stabilized, dewatered and hauled away for beneficial use. Tertiary treatment requires additional chemical treatment and filtration before it is distributed as recycled water to power plants for power generation and to various irrigation customers.

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