

# RECYCLED WATER PROGRAM

HiltonHead  
PSD

All of the residential and commercial wastewater treated by the Hilton Head Public Service District is used as beneficial recycled water for golf-course irrigation and wetlands nourishment.













**1 BILLION GALLONS**

The PSD recycles more than 1 billion gallons of wastewater a year into beneficial recycled water. While this water is not used as drinking water, it does help save our drinking water supply.

## HELPING HILTON HEAD ISLAND GOLF & WILDLIFE

Recycled water plays a vital role in the Hilton Head Island's economy and ecology by providing irrigation water for 12 golf courses.

Recycled water also is used to nourish wetlands in Palmetto Hall and Hilton Head Plantation. Wetlands biologist Todd Ballantine monitors the wetlands for the PSD and reports that these unique habitats for plants and wildlife would cease to exist without the benefit of recycled water. The recycled water process mimics, at an accelerated rate, the natural process of water purification.

-  Port Royal: Barony
-  Country Club of Hilton Head
-  Port Royal: Robber's Row
-  Dolphin Head
-  Port Royal: Planter's Row
-  Golf Club at Indigo Run
-  Palmetto Hall: Arthur Hills
-  Golden Bear
-  Palmetto Hall: Robert Cupp
-  Oyster Reef
-  Bear Creek
-  The Cypress of Hilton Head Island



## Hilton Head PSD Recycled Water Plant



## RECYCLING THE WASTEWATER

In the initial phase of treatment, screens and grit chambers remove large solids as well as sand and gravel, protecting the remaining treatment infrastructure from excessive wear and damage. The wastewater then flows to the aeration basin where microbes biologically break down the organic matter. After aeration, the water flows to the sedimentation tank where the water is separated from microorganisms and solids that settle by gravity. The water then receives a chlorine injection to destroy remaining bacteria or microorganisms. Finally, the water receives advanced treatment to remove very fine solids and particles.

The bio-solids produced by the process are dewatered and disposed of in a sanitary landfill. The recycled water is then stored at the PSD's Recycled Water Plant on Oak Park Drive, pumped to designated lagoons and tanks at golf courses, or sent to the wetlands.