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## SOUTH SEAS SERVICE AREA



**South Seas** is located on the north end of Captiva Island. This is a wastewater system only with one wastewater treatment plant (WWTP) serving 81 customers.

### Wastewater System Summary

The wastewater system has one wastewater treatment facility, which is a contact stabilization plant with a permitted capacity of 264,000 gpd. The permit authorizes treated effluent from the South Seas WWTF to be discharged to a 0.264 MGD slow-rate public access land application, which consists of a spray irrigation system at the South Seas golf course. The golf course is the only reclaimed customer and the only method of effluent disposal. Operation of the South Seas WWTF is regulated by FDEP permit, which was issued on April 20, 2011. All of the reuse quality effluent water is pumped to a 450,000 ground storage tank to be used for irrigation by the South Seas golf course.

### Wastewater System Components

The wastewater treatment plant consists of the following:

- One (1) 149,660-gallon equalization tank
- Influent bar screen
- Marolf package plant consisting of the following:
  - One (1) 42,810-gallon contact stabilization tank
  - One (1) 50,000-gallon clarifier
  - Two (2) digesters totaling 71,210 gallons
  - Two (2) disk filters
  - One (1) 9,500-gallon chlorine contact chamber
- Liquid chlorine for disinfection.
- Three (3) reject storage tanks totaling 222,270 gallons
- One (1) 450,000 gallon reuse ground storage tank
- Eighteen (18) lift stations