



Paradise Island Utilities Atlantis Resort (Plant 1 – Train D)

**LOCATION**

Paradise Island, Bahamas

ENGINEER

The Staff of Sea Level Systems, Inc.

CAPACITY

320,000 GPD

FEED QUALITY

25,000 mg/l TDS

FEED SOURCE

Seawater

IN OPERATION

SINCE:

2005

In 2003, the Staff of Sea Level Systems was selected to provide an expansion system for Paradise Island Utilities. The Staff of SLS was associated with Hydropro, Inc. during this time frame.

This Seawater Reverse Osmosis System not only provides drinking water to the world-renowned Atlantis Resort, but also irrigation water including water for the internationally acclaimed golf course.

The new SWRO unit provides water at a lower cost than the older trains due to the energy recovery system utilized in our system. The Sea Level Systems RO pump has a 200 hp motor whereas the older units are 250 hp.

The Staff of Sea Level Systems installed and started-up the entire unit and new control system for this system. At a later date, Sea Level Systems installed two new seawater supply wells to free up land for development. The new wells use 60 hp pumps and are VFD controlled to conserve energy and reduce shock loading on the supply piping.