



PARADISE ISLAND UTILITIES - ATLANTIS RESORT

PLANT 1 - TRAIN D

Location:	Paradise Island, Bahamas	Capacity:	320,000 GPD
Engineer:	Hydropro, Inc.	Feed Source:	Seawater
Market:	Potable/Irrigation/Golf Course	Feed Quality:	25,000 mg/l TDS
Membrane:	Toray	Start-Up:	2005

Project Highlights: In 2003, Hydropro was selected to provide an expansion system for Paradise Island Utilities.

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 Hydropro RO pump has a 200 hp motor whereas the older units are 250 hp.

Hydropro installed and started-up the entire unit and new control system for this system. At a later date, Hydropro 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.