

## NORWEGIAN CRUISE LINES Seawater Reverse Osmosis System

In 2015, Pure Aqua successfully supplied, a Twin Alternating Seawater Reverse Osmosis System to a major Resort in Belize. The permeate water will be used for drinking and resort needs. Pure Aqua provided turnkey packaged/skidded equipment consisting of bag filters, screen filters, Multi-Media Filters and two Seawater Reverse Osmosis Unit one duty and one standby with energy recovery turbine.



### System Overview

Location:	Belize
End-User (owner):	NORWEGIAN CRUISE LINES
Application:	Salt production by Seawater Reverse Osmosis System
Water Source:	Open Intake
Feed TDS:	> 42,000 ppm
Capacity:	2X 48,000 GPD (2x100%) (1 duty and 1 standby)
Treatment Train:	Screen Filters+ Sand Filters + SWRO
Ancillary Equipment:	Energy recovery turbine (30% energy saving) Variable frequency drive
Control System:	PLC (Siemens S7-1200) + HMI

sales@pureaqua.com  
www.pureaqua.com

2230 S Huron Drive  
Santa Ana, CA 92704  
USA

Tel: +1-714-432-9996

Fax: +1-714-432-9898

Designed and  
Manufactured in  
Southern California,  
USA

Pure Aqua Inc. is an  
ISO: 9001 certified  
company with over a  
decade of experience  
in advanced system  
design and  
manufacturing.

Using the latest  
technology in 3D  
Computer Aided  
Design (CAD) software  
allows for highly  
detailed and functional  
design. It decreases  
engineering hours  
while improving design.

Our modular systems  
are engineered for  
ease of integration and  
delivery.