

**Location:** Saipan



Applied Membranes Inc. provides tailored water treatment systems for major hotels, hospitals, restaurants, and facilities, helping them meet strict drinking water standards.

Safe water is the foundation of public health, businesses, and community well-being around the world. AMI solutions deliver safe water you can count on.

## Challenge

Saipan, the largest island of the Northern Mariana Islands (CNMI), is known for its growing tourism industry. The island is home to luxury resorts, businesses and communities.

Of particular importance is delivering clean, safe drinking water to meet both local and visitor demands.

After the CNMI adopted the Safe Drinking Water Act in 2006, regulatory oversight on water quality tightened significantly.

A customer in Saipan works with hotels, hospitals, restaurants, bottled water companies, government agencies, and other facilities.

They needed dependable, proven water treatment solutions to treat municipal water source for various applications, including drinking water. They reached out to Applied Membranes for help.



## Solution

Applied Membranes designed and built robust BWRO seawater systems, with a combined capacity of **150 GPM (1000 m3/d)**.

Each customized water treatment system was designed based on water quality data and site-specific needs to deliver consistently safe, clean water for drinking and other uses.

### Key Features:

- Clean-in-place systems, integrated
- Chemical injection systems
- Media filters
- Antiscalant



## Results

AMI water treatment solutions continue to play a pivotal role in ensuring a consistent supply of high-quality water for the island of Saipan.

AMI systems are used for various purposes including major hotels, restaurants, business operations and other facilities.

These reliable systems ensure water is safe for human consumption as well as other uses, contributing to better overall health and hygiene.

- **Water quality:** AMI water treatment systems provide high-quality, clean safe and reliable water supply.
- **Durability:** AMI systems are durable and have been in operation for several years trouble-free.
- **Customizable and easy to maintain:** AMI easy-to-operate and maintain systems are built to perform for years in different environments, with remote monitoring options available.

AMI solutions continue to support the island's critical infrastructure, contributing to long-term public health, sustainability, and service reliability.