

QUICK DELIVERY OF INDUSTRIAL WATER



Case study: Saving millions of dollars with quick water supply solutions

SUPPLY CHALLENGES

A private utility operator (PUO) in the Caribbean was experiencing difficulties meeting the water demand of their client, a refinery. It was challenged to keep up with production of the large quantity of water required to operate the refinery due to unscheduled maintenance and down-time of existing thermal distillation and seawater reverse osmosis (SWRO) units owned and operated by the PUO. Insufficient water supply has caused unplanned shutdowns which result in millions of dollars a day in lost revenue.

The PUO requested that Seven Seas Water provide an emergency supply of industrial-quality water of 1,454,700 gallons per day (GPD) (5,510 M3/D) in the shortest time-frame possible to supplement shortfalls and provide a buffer so it could execute a required maintenance program to return their units to the designed capacity.

FLEXIBLE SOLUTIONS

Seven Seas responded to the client's requirements with a two (2) phased solution consisting of an immediate supply of 451,000 GPD (1,710 M3/D) of containerized capacity delivered to site within two weeks and an additional 1,003,200 GPD (3,800 M3/D) of land based capacity. The Seven Sea Water RO units are a two (2) pass design which produces a product water quality of 25 uS/cm, a significantly higher quality than that used for potable purposes, from Caribbean seawater feed.

Additional pretreatment challenges resolved by Seven Seas were presented as the refineries existing feed water supply is from a slow-moving marsh in a busy harbor with significant oil, grease, and biological content.

NO CAPITAL INVESTMENT

Under a build-own-operate (BOO) arrangement, which required no up-front capital investment from the private utility, Seven Seas Water is providing the supplemental water supply for a five (5) year term. With the BOO model, Seven Seas Water finances, designs, builds, operates, and maintains the units on a daily basis and provides a guaranteed quality and quantity of water at a fixed cost with no surprises. The client only pays for the water it uses.

FAST, GUARANTEED RESULTS

In less than one (1) week from contract signing, the first phase of the project consisting of 451,000 GPD (1,710 M3/D) of reverse osmosis capacity was shipped to the site. The guaranteed supply was flowing and further water shortages alleviated, in less than two (2) months.

Learn more: 813-855-8636, ext. 1200
www.sevenseaswater.com





DID YOU KNOW?

It is estimated that 15% of world-wide water use is industrial, which by 2025 is expected to represent about 24% of total freshwater withdrawal. Process and sanitary wastewater can be processed for reuse in industrial and high-purity applications, providing an environmentally friendly and sustainable alternative to using municipal or fresh groundwater supplies. In many instances it is also a more economical alternative.



Seven Seas Water is your total water solution company.

Dependable, affordable and focused on you.

Learn more:
813-855-8636, ext. 1200
www.sevenseaswater.com

Seven Seas Water Corporation
14400 Carlson Circle, Tampa, FL 33626
Email: Info@7seaswater.com

