

2008 Case Study

Industrial Brackish Water Reverse Osmosis Unit

Major Water Treatment Company, Tunis-Tunisia



INTRODUCTION

In July 2008, Pure Aqua supplied an industrial brackish water reverse osmosis (BWRO) unit for major water treatment company in Tunisia. The capacity of this brackish water reverse osmosis unit is 43,000gpd product water at 4,500ppm feed TDS.

SYSTEMS & PROCESS

The Reverse Osmosis (RO) process uses a high pressure pump to force water through a special membrane which provides pure water and leaves the dissolved impurities to be flushed to waste.

The BWRO unit was completed with pre and post treatment: multi-media filter, antiscalant chemical dosing, and post chlorination dosing system. The unit was selected from our RO-400 Series, model number BW-43K-1680-3. It produces 30gpm of drinking water with TDS less than 100 mg/L.

PERFORMANCE

Since the time of its start-up in July 2008, the plants have been running smoothly with minimal trouble-shooting.