

Gulf Cement Company

Power Plant Boiler Feed Water Make-up



Year: 2007

Start-Up Date: 2007 - Present

Client/Owner: PROTEC

Engineer: DHT

Location: Qatar, UAE



Application: Cement Plant Water Usage

Scope of Work: Design, supply intake system, design/manufacture, and start-up 2 pass SWRO/BWRO train with SWRO ERT, pretreatment and media filtration.

Operation Data: Feed water TDS: SWRO = 55,427/ BWRO = 573, Permeate TDS: 44.7, Permeate throttling variable, Permeate flow: 418 GPM, Recovery: 90%, 306 Total Membranes, Other: SWRO: 16/16x7 - BWRO: 8/4x6 Array - 2 Stage with SWRO-ERT, Feed pH = 8.3, Perm pH = 7.5, Feed Press = 79/12 bars, Hydraulics Membrane, Open Sea intake Source

Capacity: 2,500 m³/d GPD

Project Summary: A complete EPC project, installing new equipment and piping's. Supervise installation of seawater intake piping and pump system, supply/supervise/install pre and post treatment dosing equipment, and supply/install and startup all instrumentation and control requirement for the system's automation.