

Greater Plutonio (415,300 BWPD)

Process:	Sulphate Removal
Client:	BP Angola (Block 18)
Country:	United Kingdom / Angola
Contract Description:	Supply of Pre-treatment System / Sulphate Removal / Deaeration System / Service Water System
Contract Date:	March 2004
Contract Completion Date:	April 2005
SRP Capacity:	7 x 60,570 BPD 1st Pass + 2 x 43,000 BPD 2nd Pass
Sea Water Conversion:	1st pass:75%, 2nd pass: 90%
Sea Water Feed Quality:	36,000 mg/l (tds)
Product Water Output Quality:	≤ 20 mg/l sulphate



Project Description:

The Project is for the design, supply of a seawater treatment plant sized for 415,300 BPD of low sulphate water. The Project scope consists of a multi-module arrangement comprising: Rapid Velocity Media Pre-Filtration, Guard Cartridge Filtration, Sulphate Removal Membrane System, Deaeration System and Service Water System (4,530 BPD)

Process Description:

Seawater is treated by a media filtration system prior to the 2 pass sulphate removal membrane arrays using Dow SR90-400 membranes to provide the required low sulphate flow. Oxygen is diffused from the product flow by 2 x 50% vacuum deaeration system.