

The Sorek Desalination Plant - History in the Making

Overview of the Sorek Layout



Overview

- Capacity: 624,000 m³/day
-20% of the domestic water consumption in Israel
- Technology: SWRO
- Project Type: BOT - 25 years
- Footprint: 100,000 m²
- Commission Date: 2013

Sorek Desalination Plant Additional Features



Highlights

- One of the Largest SWRO plants to-date
- 16” membranes in a vertical arrangement
- Pressure Center Design
- Intake by pipe-jacking

Main Plant Features

- Technological Leadership For High Efficiency
- Introduction of 16” Membranes in a Vertical Array
- Three Pressure Center Design concepts (HP, RO, ERS)
- Pipe Jacking
- Double Line Intake
- Self-Generating Energy Supply
- Sludge Treatment



Brine Discharge



Sludge Treatment



Building Solid Partnership

Tradition of Innovation

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