

project brief

TYPE OF FACILITY:
Desalination Plant



Perth Seawater Desalination Plant

■ Kwinana, Western Australia



Scheduled for commissioning in 2006, Perth desalination plant - the largest of its kind in the southern hemisphere - is currently supplying 17% of Perth's needs and makes Western Australia the country's first state to use desalination as a major public water source.

With an initial daily capacity of 140,000m³ and the potential for expansion to 250,000m³/d, the plant will be the largest single contributor to the area's integrated water supply scheme, providing an annual 45GL and serving a population of 1.5 million.

The Victaulic stainless steel piping system was chosen for this project because of ease of maintenance since each coupling acts as a union, allowing easy access to the system. By utilizing Victaulic products the contractor was able to reduce the construction schedule.

SPECIFICATIONS:

SERVICES:

Reverse Osmosis
Water

PIPE MATERIALS

Stainless Steel
Super Duplex

PIPE SIZE RANGE:

4 - 12"/100 - 300 mm

MARKET:

OEM

VICTAULIC SOLUTIONS:

Speed of installation

OWNER:

Water Corporation of
Western Australia

CONTRACTORS:

Multiplex / Degremont JV

ENGINEER/CONSULTANT:

Degremont

COMPLETED DATE:

2006/2007



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