

# Stanwell Water Supply - QLD

Stanwell Water Supply Project on Target Despite Floods



## Objectives:

Despite heavy flooding in the region prior to, and during the early stages of construction, the massive 28 km water supply pipeline to the new \$1.6 billion Stanwell Power Station near Rockhampton in Queensland was completed on schedule.

## Challenge:

Utilising Steel Mains' SINTAJOINT and SINTAKOTE pipeline systems, the pipeline was laid despite January flooding that halted deliveries and covered one pipe dump with 150mm of water. No damage was sustained to the pipes by floodwaters. The project is designed to pump water from the Fitzroy River Barrage Storage, across flat alluvial plains and over steep hills to a holding dam at the power station where the water will be used in the power station's cooling towers. When running at full capacity it will require 20,000 megalitres p.a. to replace water lost to evaporation during cooling, which is almost equivalent to the entire annual consumption of Rockhampton City.

## Solution:

The decision to use rubber ring and welded steel joint pipes was based on the fact that they have been successfully used throughout Queensland in recent years on many major installations. Welded steel joints were used in the more rugged areas of the pipeline route.

## Stanwell Water Supply

<b>Client</b>	Water Resources Commission
<b>Project</b>	Stanwell Water Supply
<b>Pipeline</b>	17,000 of 900mm OD x 6mm WT SINTAJOINT MSCL Pipe 11,000 OF 900mm OD x 6mm WT SINTAKOTE MSCL Pipe
<b>Construction</b>	Curtain Bros
<b>Construction Period</b>	April - October 1991

