

Millmerran Water Supply

PROJECT DETAILS:

Location: Millmerran, Queensland, Australia

Contract Value: A\$25 million (2000)

Contract Period: 10 months

Safety Statistics: Manhours: 96,080
LTIFR: 10.4



CLIENT: Intergen Australia Pty Ltd

Scope of Work:

In June 2000, Clough was awarded the contract to supply and install 97 kilometres of ductile iron cement lined (DICL) pipe to transfer treated effluent from Wetalla Water Treatment Plant in Toowoomba to a new 840 Megawatt coal fired power station at Millmerran, in southern Queensland.

In addition to the pipeline installation, the project involved the construction of two chlorination plants, a filtration plant, a pump station, a 400 Megalitre storage dam, two 200 kilolitre storage tanks, and a radio telemetry and supervisory control and data acquisition system (SCADA).

The flat terrain of the pipeline route presented the challenge of very tight construction tolerances, which were overcome using a combination of laser surveying equipment and cement stabilised bedding in the form of a flowable slurry.

Pipeline installation commenced in July 2000 on a single work front, with a second work front opening under subcontract in October 2000.

The project was managed by Millmerran Power Management Pty Ltd, while the designer and superintendent of the pipeline was PRK Environmental and Infrastructure.