

Roma to Brisbane Looping - Stage 5

PROJECT DETAILS:

Location:	South East Queensland, Australia
Contract Value:	A\$50 million (2001)
Contract Period:	March 2000 - February 2002
Safety Statistics:	Manhours: 212,000 LTIFR: 4.7



CLIENT: Australian Petroleum Pipelines Pty Ltd /CS Energy

Scope of Work:

The Agility Clough Lucas Joint Venture, consisting of Agility Team Build, Clough and AJ Lucas Contractors successfully completed the contract to design, engineer, construct and commission Stage 5 of the Roma to Brisbane Gas Pipeline Looping project.

The workscope comprised a 160 kilometre x 400 millimetre diameter steel pipeline for looping, 11 kilometre x 400 millimetre diameter lateral pipeline connecting into the Swanbank Power Station and a 10 kilometre x 250 millimetre diameter pipeline extension to the APT's Peat Lateral Pipeline associated with the Scotia coal seam methane gas field. The contract included mainline valve and scraper stations.

The fully integrated project team undertook the easement/right of way acquisition and local and state approval process inhouse. This included the provision of the construction workforce and key equipment.

Construction crews began string and bend operations midway through the project with welding and joint coating crews following. At its peak, the mainline welding crew installed up to 8 kilometre x 400 millimetre diameter pipeline per day. This was a significant achievement and presented a major safety challenge for the crews as the new work was constructed within metres of the existing pipeline. Other pipeline sections were installed beneath existing power lines in limited access and narrow easements.

Scope of Work:

The project team successfully constructed more than 60 kilometre x 400 millimetre diameter of pipeline where installation was difficult through suburban Ipswich and the small communities east of the Toowoomba Range. This section of the pipeline traversed several Aboriginal Communities and their adjacent lands. Cultural Heritage Monitors were employed from various local communities to minimise any impact to these communities and to ensure conservation and protection of significant sites or artefacts located during construction.

During the installation phase, the project team refined and further developed safety and permit protocols which enhanced pipeline construction activities and created the highest safety levels for the work crews and the public.

The Agility Clough Lucas team finalised commissioning activities in December 2001 and completed the project on budget and ahead of schedule. The pipeline was brought into service without any supply interruptions to existing gas customers.