

Woleebee Creek to Glebe Weir Pipeline

120km pipeline in North East Australia



Project Need

The Woleebee Creek to Glebe Weir Pipeline is a 120 kilometre pipeline capable of transporting up to 36,500 megalitres of treated Coal Seam Gas (CSG) water per year from QGC's Queensland Curtis LNG project for beneficial use by industrial and agricultural industries. The scheme involves supplying treated CSG water from QGC's Northern Water Treatment Plant for beneficial use for customers along the Woleebee Creek to Glebe Weir Pipeline route, and for river customers taking supply within the same boundaries as the Dawson Valley Water Supply Scheme. The water will be treated to a high standard using the reverse osmosis process at the water treatment plant, with the treated water to be monitored by QGC and SunWater to ensure it meets strict approval requirements. This project will deliver an efficient solution for the use of water associated with the production of natural gas, with the potential to provide economic benefits for the region related to increased agricultural production.

Solution

SunWater chose Steel Mains SINTAKOTE[®] cement mortar lined steel pipe as the ideal product for the pipeline. Steel Mains supplied 120km of mainly SINTAJOINT[®] elastomeric ring joint (RRJ) pipes in various pipe diameters (914mm, 960mm, 1067mm & 1404mm) and associated fittings for the pipeline project. The pipes were mainly manufactured in 13.5 metre overall lengths from 10mm and 8mm, with 300 MPa grade steel. Total steel used to manufacture of the pipes was approximately 23000 tonnes. Steel Mains utilised both its manufacturing facilities in Wacol Queensland and Somerton Victoria to fulfil the demanding contract delivery schedule for the project. The whole 120km of pipe was manufactured and delivered to site from January to August 2013. The pipes were delivered to multiple designated stockpile sites along the pipeline route and a total of 2200 truck loads were required to deliver all the pipes.

Achievements

Despite the demanding delivery schedule and multiple contract variations and on-site weather conditions adversely impacting deliveries, all pipes were delivered to within the agreed timeframe. This project demonstrated Steel Mains ability and flexibility to meet demanding delivery schedules to remote locations.

Project: Woleebee Creek to Glebe Weir Pipeline

Principal: Sun Water

Location: Dawson Valley QLD

Completion: 2013

Supplied: 120 km of SINTAKOTE[®] MSCL pipe and associated fittings in various diameters (914mm, 960mm, 1067mm & 1404mm)