

Bingegang Pipeline Realignment



Location

Middlemount, Queensland

Client

Middlemount Coal Pty Ltd

Commencement Date

April 2015

Completion Date

November 2015

Contract Value

\$13.5 million

Overview

The Bingegang Pipeline Realignment project involved the construction of a new 14km 450mm diameter pipeline to replace the existing infrastructure. The works included design, supply and install of break tanks, 66KV OHL, pump station (incl. switch yard), salvage and reuse of existing infrastructure, outlets, access road crossings, associated local drainage provisions, fencing and maintenance access infrastructure.

Project scope

The project's key deliverables included:

- design construction of pumping station building
- construction of 14km of DCL pipeline and associated concrete structures including install of scour valves, air valves and thrust blocks
- design, supply and install of break tanks including earthworks, concrete works and tank install
- 8.5km of 66KV overhead line involving recovery of existing line, install of landing beam and commissioning of line
- design and construct the pump station electrical works including install of conduits, lighting, cathodic protection, earth grids, switch boards and design, supply and install of PLC and SCADA
- design, supply and install 66kv switch yard including transformers;
- commissioning of pump station
- construction of all associated civil works including access roads, drainage, fencing, temporary water lines and wash down bay; and demolition of existing pump station.

Outcomes

The project was delivered on time and under budget with 63,153 man hours worked and all safety targets met.

The works were completed in an active mine site with BMD successfully working alongside mine operations.

Successful co-ordination of subcontractors and self-perform works to meet Middlemount Coal and Sun Water requirements for the project.