

Ravensthorpe Seawater Pipeline

Construction - Pipe Works

Project

Seawater Pipeline, Transfer Pond and Pumping Station at Ravensthorpe Nickel Mine

Client/EPCM

BHP Billiton - Ravensthorpe Nickel Operations

Value

\$13,867,496

Description

The seawater pipeline consisted of:

- 19.3km of 710mm diameter HDPE pipe rated from PN8 to PN16. The HDPE pipe replaced the 650mm GRP pipe installed previously which was progressively excavated and removed. Pipes were again butt fusion welded.
- Installation of valves and valve pits along the line.
- Installation of fiberglass vacuum reduction tank along the line.
- Hydrotesting of the new HDPE line over its 19.3 kilometre length.

The Transfer Pond and pumping station works consisted of:

- Import of gravel and earthworks to construct the pond.
- Supply and installation of HDPE liner to the pond.
- Installation and fusion welding of all HDPE pipework associated with the pumping station. This included two 800mm diameter pipe penetrations through the pond walls, and all delivery and suction pipework ranging in size from 450mm diameter to 710mm diameter.

Location

Ravensthorpe is located approximately 560km south east of Perth, Western Australia.



"...getting it right and on time"