

Newman Water Supply Upgrade Phase 2

Construction - Greenfields Infrastructure

Project

Newman Water Supply Upgrade – Phase 2

Client/EPCM

BHP Billiton

Value

\$ 8,131,295

Description

The contract was to provide an increased capacity and more reliable process water supply to the Mt. Whaleback and Newman Hub operations.

Ertech's scope of works included:

- Clearing of 240,000m² of working corridor.
- Supply and weld 2,700m of 710mmØ Polyethylene pipe.
- Supply and weld 10,200m of 630mmØ Polyethylene pipe.
- Trenching (using a Vermeer chain trenching machine), lay and backfill – 12,900m.
- Installation of valve fencing compounds.
- Remedial work to water storage tank (49mØ by 9.9m height), including a structure controlled survey and re-lining.
- Installation of pumps and electrical control devices on the E-Bore submersible pumps.
- Road thrust boring – one location of 20m.
- Traffic control management.
- Location of services by means of "potholing" machine.

INNOVATION - use of Fast Fusion Welding Machines, installation of an excavator height restrictor, development of a compacting wheel for side compaction and lifting pike to off-load pipes.

Location

Mt Whaleback is located 6km west of Newman, Western Australia.



"...getting it right and on time"