

JINDALEE WATER PUMP STATION

PPS Alliance / Water Corporation

Location

Jindalee, WA

Commencement

Apr 2008

Completion

Jan 2009

Contract Value

\$ 0.4 million

Client

PPS Alliance



Zero Harm

The project is 100% complete and there have been no lost time injuries.

LTIs: 0

MTIs: 0

Overview

The Jindalee Booster Water Pump Station is located in Jindalee, north of Perth. The pump station is vital for boosting pressures in surrounding areas due to the high levels.

Contract Supervision

The contract was managed by the PPS Alliance with Cobey as Main Contractor.

Scope

Cobey was awarded the contract for the construction of the booster water pump station.

The works required were:

- Total Pump Station construction
- Pump Installation
- Suction & Discharge piping fabrication & Installation
- Site Drainage
- Valves & Mag Flow Meter installation
- Electrical installation including SCADA
- Access road construction
- Testing & Commissioning
- Full site reinstatement

Project challenges

PPS Alliance was to supply pumps, magnetic flow meter and electrical switchboards to Cobey for installation.

Design changes to the suction manifold, pressure vessel, drainage and site levels.

Construction of the pumping station and the pressure main out of the Perth Metro area required experienced planning & management.

Strict timeframes were required for the completion of the project for the completed land development.

Managing the challenge

Cobey worked closely with PPS Alliance with regard to site discrepancies and design changes. Solutions were discussed and implemented quickly in this manner.

Pumps supplied were not completely designed for buried use. A treaded casing nozzle required welding closed in order to create a seal suitable for the pressure test.

Cobey provided quick and efficient responses to design changes by the Client and Water Corporation to deliver the pump station on time.

Cobey ensured that management maintained efficient communication on site through regular site visits and phone calls.

Adding Value

We added significant value by pro-active approaches to design by utilising our experience in Water Corporation design and OSH standards.

The pump station piping was initially built at Cobey's workshop, then disassembled into major components for transport to site. Site installation time reduced and safety risks minimised.

Fabrication of all MSCL and stainless steel fittings were also undertaken in house by Cobey which minimised time and safety risks.

