



PROJECT REFEREE

Konrad Litfin
 Project Manager
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CLIENT

Sunwater

FB ROLE

Subcontractor

VALUE

\$333k

LOCATION

Moranbah, QLD

TIME FRAME

November 2019 –
 September 2020

INDUSTRY

Water

CAPABILITIES

Electrical, Mechanical &
 Instrumentation
 Pipelines
 Renewals Water &
 Wastewater
 Regional & Remote

Goonyella Storage Bypass Project

Overview

Due to increased demand for water south of Moranbah, the full capacity to Moranbah was required. To deliver this additional water, a staged installation of a bypass line at was required to deliver the additional water in the short term.

The scope of work was install the bypass pipeline at the Goonyella Storage at EWP 92km and construct the required valves and associated infrastructure for the future control.

Works Undertaken

- New 360m of welded OD710MSCL pipe
- New PRV set up and outlet structure
- Modification to existing Piggling Pit with a new Tee for pipeline and a new valve
- Demolition of existing PRV pit
- Site works for access and additional gates

Highlights, Innovations and Key Risks

- Shutdown delays – FB worked with Sunwater on the timing of the shutdown periods, as work crews prepared for shutdowns during other times
- Rock – The large excavators resourced to this project were able to remove it without delay to program
- Inclement weather – Working previously in Central Queensland, FB understood the risk associated with working during rainy season. We provided a program that aimed to complete all works as soon as possible. Work site was maintained to allow quick preparation and protection should a rain event happen quickly. Forecasts were monitored daily and an allowance had been made any necessary downtime.
- 92km connection – at this connection there does not seem to be a dismantling joint. This makes the flanges in this location unnecessary. FB suggested removing the flanges to save time or installing a dismantling joint
- Program – FB programmed the works to be completed in the earliest timeframe. The first swing was planned before Christmas and involved all works not related to the connections and the two new vales due in January. Once the valves were on site, connections were completed. Allowing for mobilisation and laying the pipe before Christmas gave Sunwater the best chance to avoid potential delays due to the weather