



PROJECT REFEREE
 Timothy Mendham
 Construction Manager
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CLIENT
 Broadspectrum

FB ROLE
 Subcontractor

VALUE
 \$2.5M

LOCATION
 Bundamba, QLD

TIME FRAME
 September 2019 –
 current

INDUSTRY
 Treatment Plants

CAPABILITIES
 Storage Tanks
 Treatment
 Infrastructure
 Distribution
 Infrastructure

Bundamba Sewage Treatment Plant Upgrade

Overview

FB were engaged to complete the construction of civil, structural and mechanical works for a new sludge receiveal and dewatering facility, septage receiveal facility, chemical delivery and storage area and earthworks for a new major inlet works. FB were also engaged to undertake emergency repair, bypassing and replacement of the existing RAS line as part of this contract.

Works Undertaken

- Bulk excavation and subgrade treatment required for new major inlet works structure
- Construction of 7m diameter, 3.5m deep underground sludge receiveal tank incl. shoring, dewatering, sump and major mechanical fit-out
- Construction of septage receiveal facility at STP entrance, incl. services, delivery bund, pump station and all mechanical and underground pipework
- Construction of chemical delivery bund incl. pipework
- Emergency repair of existing DN500 Asbestos RAS line due to imminent failure
 Replacement of 500m DN500 RAS line with DICL pipework including bypassing during construction

Highlights, Innovations and Key Risks

- Cultural heritage was an important issue on the project, as the site was close to several areas of cultural significance. Management of this at the inception of the project was key to maintaining on-time completion of the works
- During the works, FB were engaged to complete emergency repair and subsequent bypassing and replacement of the main DN500 RAS line through the plant. FB were able to resource this extra work without affecting the completion date of the project
- During the project, the site was affected by a bushfire event. Due to the timely actions of the project team, material and productivity losses were minimised and the safety of personnel on site was maintained