



PROJECT REFEREE

Neil Algie
 Project Manager
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CLIENT

Fraser Coast Regional
 Council (Wide Bay
 Water)

FB ROLE

Principal Contractor

VALUE

\$2.3M

LOCATION

Maryborough, QLD

TIME FRAME

March 2020 – current

INDUSTRY

Treatment Plants

CAPABILITIES

Concrete Remedial &
 Refurbishment Works
 Renewals Water &
 Wastewater

Aubinville Sewage Treatment Plant Refurbishment – Civil Works

Overview

Wide Bay Water required the design and construction of a new polymer dosing facility, a dewatering press screw conveyor selection and access walkways for the chlorine contact tank located in Errol Street, Maryborough.

Works Undertaken

- Design and construction of a new polymer dosing facility including the selection of all equipment (mechanical & electrical), concrete plinths and building, walkways, platforms and minor ancillary equipment
- Design selection of a new dewatering screw press conveyor
- Supply and installation of new service water ring main
- Construction of a new sludge dewatering area including removal of redundant infrastructure, relocation of dewatering screw press, supply and installation of a new screw conveyor, concrete slab and drawing pipework and pit
- Construction of a new hardstand area including removal of redundant infrastructure and the supply and installation of drainage pipework and pits, retaining wall and concrete pavement area
- Construction of vehicle turnaround area on Errol Street and effluent system including modifying existing chamber covers, chambers, pipework and fittings, supply and installation of new chambers, chamber covers, pipework, fittings, valves, and in-line flow measurement
- Reinstatement of affected areas

Highlights, Innovations and Key Risks

- Exposure to raw sewage – all personnel to have up to date immunisations, all isolations to be completed by WBW and appropriate PPE to be worn
- Shutdown of STP equipment during cutovers and commissioning – liaise with WBW Operations to coordinate shutdowns, working at night or weekends as required. Construction methodology to minimise shutdown durations
- Service strike – Accredited Service locator to be engaged prior to any works. Vacuum excavation to be completed to expose and identify all known services. Strip trenches to be vacuum excavated along service alignment to identify any unknown services. Spotters to be used during mechanical excavation