

DUNGOG, KURRI KURRI UPGRADES



PROJECT DETAILS

PROJECT LOCATION:
92 Alison Road, Dungog NSW

COMMENCEMENT DATE:
November 2019

COMPLETION DATE:
October 2020

TYPE OF CONTRACT:
Design and Construct

CONTRACT VALUE:
\$3 Million

GROSS FLOOR AREA:
NA

PROJECT MANAGER:
Michael Mawson

**CONSTRUCTION
MANAGER:**
Brett Dunning

OVERVIEW TRADE PACKAGE

This project covers both the Dungog Waste Water Treatment Works (WWTW) Stage 1 and Kurri Kurri WWTW Stage 3 upgrade.

The scope is split in the following distinct areas of work which will be split and depicted in 'Systems';

- Wet Weather Return Pump Station
- Sludge Lagoons
- Drainage
- Earthworks Plant Area
- Administration Building & Carpark
- Switch room Including External MSB
- Existing MCC upgrade
- Blower Building
- Compressed Air
- Portable Water
- Inlet Works
- Site Waste Water Pump Station
- MLE Bioreactor
- MBR Membranes and Pumps
- UV Disinfection
- Recycled Effluent
- Permeate System
- Chemical System – Citric Acid Dosing, Caustic Dosing, Ferric Dosing, Sodium Hypochlorite Dosing, Sugar Dosing
- HV Supply OHL
- Automation, SCADA, Telemetry and PLC's
- Earthing

COMMERCIAL FACTORS

- Regular meetings with John Holland and/or the principals Site management team to discuss Health & Safety activities, safety interface requirements and review incident reports
- Management of labour between 2 sites 1 hour apart.

PROJECT CHALLENGES

- Kurri Kurri is a running plant therefore extra care must be taken when isolating any drive or service as this could have potential of adverse process outcomes.
- PLC Processor upgrade on a running plant.
- Shutdown planning around weather events.

PROJECT SPECIFICS

- The Dungog WWTW Project is a new WWTW built adjacent to the existing Dungog WWTW.
- The Kurri Kurri Water Water Treatment Works (WWTW) Stage 3 upgrade involves the construction of a third parallel clarifier – 17.5 internal diameter (ID) and 4.1 Side wall depth, with associated mechanical/electrical components and interfacing pipework.

