

RECENT PROJECTS

CONSTRUCTION OF EDGEWORTH STP UV DISINFECTION & HYDRAULICS UPGRADE

Contract Value: \$2,894,400

Client: Hunter Water Corporation



The Edgeworth Sewerage Treatment Plant (STP) was awarded to Gongues Constructions in December, 2010. Construction is due to be completed in September, 2011.

The UV disinfection and hydraulics upgrade was commissioned to allow greater use of recycled effluent by a number of external users including a coal mine and a golf course.



The main components of the project included a new recycled water wet well pump station and pressurized recycled water pumps. A number of pipelines were upgraded including DICI and PE pipelines, including a PE pipeline across the existing effluent pond. This pipeline posed a number of design and construction challenges including the requirement to allow for expansion/contraction of the pipeline.

An electrical upgrade was also required including the construction of a new electrical switchroom, new main switchboard, UPS, PLC and telemetry.



Coordination was also required with the supplier of the UV disinfection equipment, which was issued as a separate contract.

