

Project Summary

**CLIENT:**

Western Downs Regional Council

LOCATION:

Wandoan, QLD

SERVICE:

Wastewater Treatment

CAPACITY:

450m³/day

CONTACT:

Peter Ferrando

ISSUES:

Brownfield site needed to be upgraded to meet nutrient requirements

SOLUTIONS:

HNBR System

BENEFITS:

Compact in design and produces effluent that meets design criteria.

PRODUCT:

Inlet Works, Surface Aeration, Pump Stations, Chemical Dosing, Sludge Dewatering.

COMPLETION DATE:

December 2013

Wandoan Wastewater Treatment Plant

Aquatec Maxcon was awarded the Design and Construct Contract for the Wandoan Wastewater Treatment Plant Upgrade in the township of Wandoan. Aquatec Maxcon provided process, mechanical, electrical and civil works for the project.

This plant was the first of three plants upgraded by Aquatec Maxcon for the Western Downs Regional Council in a 5 year period.

Key features of this plant are:

- Inlet Works, including 3mm fine screen and manual bypass screen.
- Biological Reactors (AAT & IAT)
- Biological Phosphorous removal process.
- Aerobic Digestion.
- Chemical dosing including caustic soda, Lime and sodium hypochlorite.
- Sludge Dewatering System (Centrifuge) including polymer dosing.

