

Project Summary

**CLIENT:**

Mackay Regional Council

LOCATION:

Marian, QLD

SERVICE:

Water Treatment Plant

CAPACITY:

4 ML/d

CONTACT:

Mohsen Mobarghei

ISSUES:

- Bore Water supply changed to River Water.
- Raise the plant electrical equipment to a level higher than flood level.
- Plant located adjacent to local residential properties.

SOLUTIONS:

- Lamella Package Plant with Small foot print and minimum site construction period.
- Lamella Plate sludge thickener

BENEFITS:

Exceptional Water Quality
NTU>.01

PRODUCT:

Aquatec Maxcon Lamella Package plant including Stainless steel Lamella settler and Dual Media Gravity Filter

COMPLETION DATE:

May 2015

Marian Water Treatment Plant

The townships of Marian and Mirani were supplied with drinking water sourced from groundwater bores. Mackay Regional Council conducted an investigation into the future water supply requirement for these towns which showed the existing combined groundwater allocation for these bores would not be able to meet the future demand projections and the quality of the aquifer was declining. An alternate drinking water supply from the Pioneer River at Marian Weir was investigated and the construction of a new WTP at Marian was deemed warranted to supply both towns.

Aquatec Maxcon was awarded the contract for the Design and Construction of the Marian Water Treatment Plant which is located 25km inland from Mackay.

Equipment for this project included:

- Lamella Clarifier
- Media Filter
- Chemical Dosing Package
- Fluoridation
- Gas Chlorination
- Electrical & Control
- Sludge Drying

The Civils works for the Marian WTP required the raising of the site above flood level, establishing an administration building, Workshop/Store Building, Switch room and road works.



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