



Client: Aquatec Maxcon provided all mechanical and electrical / control works for the upgrade to Townsville Douglas WTP Modules 1 – 4. The upgrade was comprised of the following main elements:
Townsville Council

Location: Townsville, Queensland

- 140 tonne hydrated lime storage silo, dry feeding, slurry preparation and dosing system to four separate plant dosing points.
- Carbon dioxide storage, gas dissolution and solution dosing system.
- ACH coagulant bulk storage and dosing system.

Service: Water treatment

- Polymer filter aid batching, solution preparation and dosing system.
- Service water pumping station and reticulation system.
- On-line water quality analyser panels and associated sample water reticulation systems.

Capacity: 232 ML/d

- Filter upgrade works to Module 3 for change of operation to influent flow splitting plus constant level mode.
- Filter upgrade works to Module 4 including inlet channel flocculation mixers and backwash system pressure relief system.

Value: AUD \$7.5 M

- Process instrumentation.
- Electrical and control works.

Problems:

Other related projects:

Various treated water quality, capacity and process control

- Coffs Harbour DAFF WTP (2009) ,42 ML/d design capacity
- Gympie WTP (2010) filter underdrain and media replacement
- bcaa Enoggera WTP (2008) upgrade project.

issues.

Solutions:

New chemical dosing systems, analysers, instrumentation and control measures.

- Kalkie WTP (2007) upgrade to dual media filtration, 200 L/s
- Ararat DAFF WTP Grampians Water (2000), 200 L/s
- Corowa DAFF WTP Corowa Shire Council (2002), 200 L/s

Benefits:

Improved chemical processes, stability of treated water to mains, treatment capacity, monitoring and control.

Product:

Chemical storage & dosing

systems

,
analyse

r
panels,
pump
stations
and
piping
systems

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**Comple
tion**

Date:

Septem
ber
2009

Contact

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