



**CLIENT:**  
Bundaberg Regional Council

**LOCATION:**  
Thabeban (Bundaberg), QLD

**SERVICE:**  
BNR Plant

**CAPACITY:**  
9,000 EP

**CONTACT:**  
Peter Ferrando

**ISSUES:**  
Ageing infrastructure that was operating at capacity

**SOLUTIONS:**  
Control system, band screens, fine bubble diffused air aeration, sludge dewatering, chemical dosing, mixers and clarifiers

**BENEFITS:**  
Fully licence compliance plant with built-in capacity for future population growth

**PRODUCT:**  
AquaBlades

**COMPLETION DATE:**  
September 2014

## Thabeban Wastewater Treatment Plant Upgrade

Queensland Concrete & General Construction Co Pty Ltd (QCGC) was awarded the Thabeban WWTP Upgrade for Bundaberg Regional Council and contracted the design, supply, install and commissioning of the mechanical and electrical works to Aquatec Maxcon.

Our BNR Plant scope included:

- Inlet screenings system including automatic screens, sluice, screenings handling equipment and coarse screening bin;
- Grit removal system, including vortex grit removal fit out and equipment including grit classifier and grit bin;
- Aeration system (bioreactor and digester) including blowers, blower pipework, road crossing, grids/diffusers, valves, instruments and lifting equipment;
- Chemical dosing equipment including dosing pumps, vacuum gas dosing systems, valves, instruments and pipework;
- Secondary clarifiers fit-out and equipment;
- Scum package pumping station and associated works;
- Foul water package pumping station and associated works;
- Re-use package pumping station and associated works;
- Chlorine dosing carrier package water pumping station and associated works;
- Sludge package compressed air system and associated works;
- Biosolids drainage return pumping station and associated works;
- Bulk chemical storage tanks;
- Bioreactor scum harvester and associated works; and
- Potable water break tank, booster pumping station and associated works.

The project met all performance targets. It was completed on time and within budget.



enquiries@aquatecmaxcon.com.au  
07 3813 7100