



Aquatec Maxcon was awarded the design and construction of a water reuse plant at the XXXX Brewery in Milton, Brisbane. The plant is designed to treat 2800 kL/day of wastewater at a COD loading of 11,000 kg/day. The plant consists of a Balance Tank, Preacidification Tank, Mix Tank, BIOPAQ® IC, Circox® aerobic polishing, DAF, DAFF, Microfiltration, Reverse Osmosis and sludge dewatering.

The entire project was realised by the Aquatec Maxcon Group. Design and commissioning were performed by Aquatec Maxcon. All tanks, DAF and DAFF were built by Maxcon Industries and the installation was conducted by Aquatec Services. The SCADA system was integrated by MPA Electrical Engineers.

The plant, which is built with an extremely small footprint, produces water for reuse in the brewery for all but beer making purposes. The brewery uses 2.1 litres of potable water per litre of beer produced, which we believe to be world's best practice.

The anaerobic reactor produces 130m³ of biogas per day which is used for steam generation in the brewery boiler, substituting natural gas as the methane content is >85% with H₂S