

Client:

Ben Lomond Water

Aquatec Maxcon recently completed the Design and Construction of the Water Treatment Plant in Westbury, Tasmania.

Location:

Westbury, TAS

Aquatec Maxcon was the Main Contractor on this project constructing the water treatment plant at the existing 135 ML reservoir site to treat the raw water from this reservoir for distribution to the township of Westbury.

Service:

Water Treatment

Value:

AUD \$5.6 M

The main elements of the plant include:

Solutions:

Safe Drinking Water - based on Australian Standard Guidelines for township of Westbury

- 3.1 ML/d in-filter DAFF water treatment plant
- A raw water pump station at the existing reservoir
- Sludge thickener
- 375mm DICL post CWS line
- Four sludge lagoons to treat the waste from the new Water Treatment Plant

Product:

DAFF

The water treatment involves the following processes:

Completion Date:

August 2013

- Alum dosing (coagulation)
- Pre-lime (pH/alkalinity adjustment)
- Dissolved Air Flotation Filtration (DAFF)
- Post-lime (pH/alkalinity adjustment)
- Chlorination system
- Fluoridation system
- Sludge thickener
- 4 x sludge lagoons with underdrain and decanting systems

Contact:

Mark Aitken - Aquatec Maxcon

Other related projects:

- Tumbarumba DAFF WTP (2011), 3 ML/d design capacity
- Mt Beauty (2010), 2.7 ML/d design capacity
- Coffs Harbour DAFF plant (2009), 42 ML/s design capacity
- Corowa DAFF WTP (2002), 200 L/s
- Ararat DAFF WTP (2000), 200 L/s
- Halls Gap DAFF WTP (2000), 45 L/s