

Client: Aquatec Maxcon provided a design & construct solution for the Mt Beauty Water North Treatment Plant (WTP) project.

East

Water The Mt Beauty, Tawonga and Tawonga South reticulation system had experienced a number

Location: of Escherichia coli (E. coli) detections over the preceding 5 years. In response to potential future E.coli contamination events, North East Mt Beauty, DAFF process with residual disinfectant.

VIC

Service: The scope of the project involved the decommissioning and removal of the existing Mt Beauty WTP and the construction of a new in-filter dissolved air flotation filtration (DAFF) WTP.

The plant delivers 2.7 ML/d of treated water. A temporary water treatment system was installed by Aquatec Maxcon for water treatment during the period where neither the existing WTP nor the upgraded WTP had the capacity to provide treated water.

Water treatment

Value: The Aquatec Maxcon DAFF process offers an efficient and economic solution for treatment of low to moderately turbid raw waters to ADWG AUD \$3 M standards. The process is ideally suited to source waters with significant algal cell content, which would otherwise be difficult to

Problems: settle by traditional sedimentation equipment. This is ultimately reflected in plant performance achieved and surety of target water quality parameters being met.

Consecutive summers of

drought and bush fires necessitated approach to WTP

Other related projects:

- Coffs Harbour DAFF plant (2009) ,42 ML/d design capacity
- Ararat DAFF WTP (2000), 200 L/s
- Halls Gap DAFF WTP (2000), 45 L/s
- Corowa DAFF WTP (2002), 200 L/s
- Lockington DAFF WTP (2003), 12 L/s

Solution

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Packag
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Air Float
ation
Plant

**Benefit
s:**

Reliable
supply
of towns
water

**Produc
t:**

Aqua-
DAF

**Comple
tion
Date:**

1st
August
2010

**Contact
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