

**CLIENT:**

Ben Lomond Water

**LOCATION:**

Westbury, TAS

**SERVICE:**

Water Treatment

**CAPACITY:**

135 ML

**CONTACT:**

Mohsen Mobarghei

**ISSUES:**

Surface water quality with high level of colour and small foot print

**SOLUTIONS:**

- Using Aquatec Maxcon DAFF technology suited for this water with excellent performance.
- Sludge thickener designed with Aquatec Maxcon MRI Stainless Steel Lamella Plates with much smaller foot print.

**BENEFITS:**

Safe Drinking Water based on Australian Standard Guidelines

**PRODUCT:**

DAFF

**COMPLETION DATE:**

January 2014

## Westbury Water Treatment Plant

Aquatec Maxcon was awarded the contract for the Design and Construction of the Water Treatment Plant at Westbury in Tasmania in May 2012.

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.

Main elements of the project included:

- 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; and
- Four sludge lagoons to treat the waste from the new Water Treatment Plant.

The water treatment involved the following processes:

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

