

**CLIENT:**

Tumbarumba Shire Council

LOCATION:

Tumbarumba, NSW

SERVICE:

Water Treatment Plant

CAPACITY:

3 ML/d

CONTACT:

Mohsen Mobarghei

REQUIREMENT:

Safe Drinking Water - based on Australian Standard Guidelines

PRODUCT:

DAFF

COMPLETION DATE:

January 2012

Tumbarumba Water Treatment Plant

Aquatec Maxcon completed the process of designing and constructing the Water Treatment Plant at Tumbarumba, NSW.

Aquatec Maxcon were the main contractor on this project constructing the water treatment plant at the existing 68 ML reservoir site to treat the raw water from this reservoir for distribution to the township of Tumbarumba.

Main elements of the plant included:

- 3 ML/d in-filter DAFF water treatment plant
- 2 ML/d clear water reservoir
- A raw water pump station at the existing balance tank, and
- Two sludge lagoons to treat the waste from the new Water Treatment Plant.

The water treatment involved the following processes:

- Alum dosing (coagulation)
- Pre-soda ash (pH/alkalinity adjustment, if required)
- Dissolved Air Flotation Filtration (DAFF)
- Post-soda ash (pH/alkalinity adjustment)
- Chlorination system
- Fluoridation system
- Filtered water 2 ML tank
- 2 x sludge lagoons with stop board arrangement.



ALUM DOSING TANK & ASSOCIATED DOSING SYSTEM



VIEW OF TOP OF DISSOLVED AIR FLOTATION FILTRATION TANK