

**CLIENT:**

Goulburn Valley Water

**LOCATION:**

Colbinabbin, Dookie,  
Katamite, Katandra and  
Stanhope, VIC

**SERVICE:**

Water Treatment Plants

**CAPACITY:**

1 ML/day

**CONTACT:**

Anthony Davey

**PRODUCT:**

Membrane Plants

**COMPLETION DATE:**

December 2011

**CONTACT:**

Anthony Davey

## Five Small Towns

Aquatec Maxcon provided a design and construct solution for this project. We provided five microfiltration plants and associated ancillary equipment housed in purposefully constructed buildings.

The membrane systems had to treat raw waters to a level safe enough for drinking.

The 1 ML/d Water Treatment plants were constructed concurrently at Dookie, Katamatite, Katandra West, Stanhope, and Colbinabbin over a period of 9 months and commissioned successfully on time.

The five upgraded WTP's consisted of the following process elements:

- Raw water intakes, (new & existing equipment)
- Pre chlorine dosing (if required)
- Micro-filtration plants and associated ancillary and chemical dosing equipment (new equipment & constructions)
- Filtered water tanks, each 220m<sup>3</sup> in concrete
- Post chlorine dosing (disinfection)
- Treated water transfer pumps to transfer water to the town's reticulation network
- Post caustic soda dosing
- Backwash water handling, backwash return equipment with return to the reservoir