

FACT SHEET



F22

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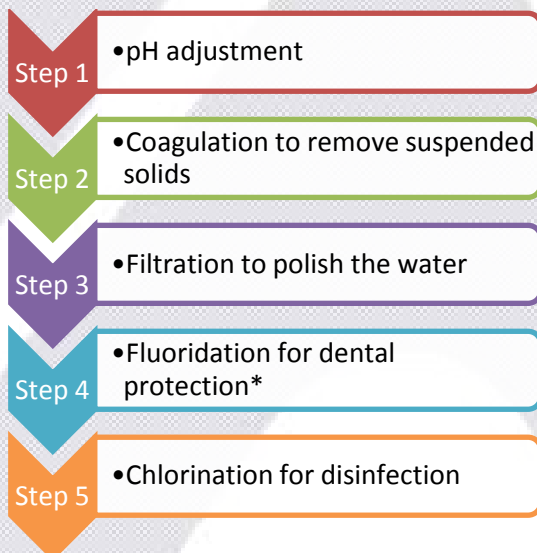
THE WATER TREATMENT PROCESS

Riverina Water has 2 water supplies across the Area of Supply:

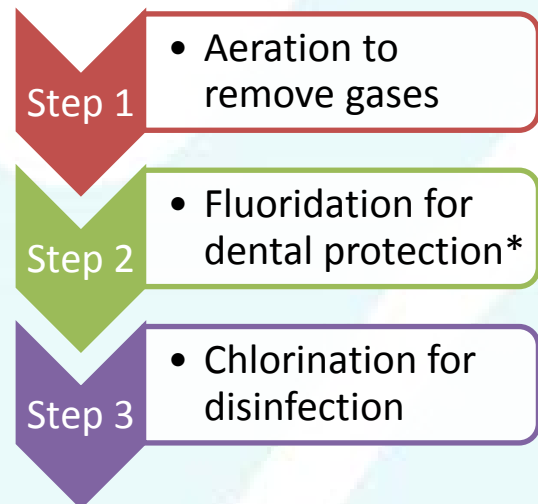
1. **Surface (rivers, creeks)** – Murrumbidgee River, Colombo, Billabong and Carabost Creeks
2. **Underground (bores, wells)**- East, West & North Wagga, Oura, Bulgary, Gardiner's Crossing, Walbundrie, Ralvona, Woomargama, Tarcutta, Humula, Collingullie

The treatment processes depend on the water source as outlined below:

Surface Water Process



Groundwater Process



*Fluoride is only dosed at the Wagga, Urana, Bulgary and Gardiner's Crossing plants to enhance the natural fluoride & achieve the level to protect teeth.

Raw Material Quality

Chemicals used in the processes are all approved by the National Health & Medical Research Council for use in drinking water treatment. Deliveries are also QA checked by RWCC Technical staff.

Process Monitoring

The water treatment processes are carefully monitored by manual grab-sampling or continuous automated in-line means. This enables RWCC to optimise all steps throughout the processes resulting in high efficiencies. All results are recorded in the RWCC or NSW Health databases.

Supply System Management

The Australian Drinking Water Guidelines provide an advisory management framework to enable water authorities to deliver safe drinking water to supply-connected consumers. NSW Health recommends sampling regimes and analyses to assist water authorities in achieving safe drinking water production and delivery. Further to this, Riverina Water operates under the HACCP Quality System which encompasses the ADWG and NSW Health requirements and are applied to our individual and unique systems (See Fact Sheet 34).

Research & Development

RWCC pursues new mechanical & chemical technologies to ensure the processes are up-to-date.

