



Water Treatment - Camperdown Water Treatment Plant

The Camperdown Water Treatment Plant is located south of Camperdown and treats water from the North Otway Pipeline.

Water Source

This water is sourced from tributaries, Arkins Creek Catchment, the Gellibrand River in the Otway Ranges and Carlisle River Bores.

Raw Water Storage

The North Otway Pipeline delivers raw water to Donald's Hill Reservoir, which assists the treatment process by settling sediment to the bottom of the basin before being transferred to the treatment plant.

Removing Contaminants

The water is dosed with chemicals to aid the removal of contaminants such as dirt and organic material through "coagulation".

Colloids are finely suspended particles that will not settle out naturally in the water. The chemical alum (aluminium sulphate) is added to the raw water to assist the colloids in joining together to form bigger particles known as 'flocs'. By joining the larger particles together it is easier to remove 'flocs' from the raw water.

DAF & Clarifier

The Dissolved Air Flotation & Filtration (DAFF) process is used to remove 'flocs'. The equipment injects saturated air into the water to create very small air bubbles. These bubbles collect and float the sludge to the surface. The sludge is then drawn off to the sewer and any additional clear water is returned to the raw water storage. The treated water is then passed through a filter bed made of anthracite, gravel and sand to help clean and polish the water.

pH Level & Disinfection

The pH level is then chemically rebalanced by dosing with lime and disinfected with the addition of chlorine and/or ammonia to maintain safe drinking standards.

Clear Water Storage

The water is stored in a 6.5-megalitre clear water tank and distributed to homes and businesses throughout Camperdown, Lismore and Derrinallum.



The raw water storage that feeds water into the Camperdown Water Treatment Plant

2012/13 AT A GLANCE

Camperdown Water Treatment Plant

Water Source:	Otway System
Clear Water Storage Capacity:	6.5ML
Supply Volume to Customers:	1,024.4ML
Total Customers:	2,660

IML = One Million Litres