



Water Reclamation - Camperdown Water Reclamation Plant

The Camperdown Water Reclamation Plant treats sewage from local households and businesses and is located four kilometres north of town, adjacent to Lake Colongulac. Sewage is delivered to the Camperdown Reclamation Plant via an underground sewer system.

The plant uses a biofiltration treatment process that includes screening, primary sedimentation, trickling filters, clarifiers, a sludge holding lagoon and a maturation lagoon.

The first step in the treatment process is to pass incoming sewage through a step screen to remove any large items and rubbish. This waste material is collected and washed prior to disposal.

Sewage then flows through a clarifier tank allowing organic solids to settle to the bottom, forming sludge. This sludge is pumped to a holding lagoon, which allows further settling and storage. Once the lagoon is full, sludge is transferred to the Camperdown Biosolids facility where it is dried and composted for reuse on farms in the surrounding area.

Following settling of solids in the clarifier tank, partially treated sewage flows on to trickling filters that use slow rotating filter arms to trickle the sewage through

coarse rock. This is a natural process which uses bacteria growing on the rocks to consume organic pollutants and further clean the water.

The water then moves to a second clarifier which allows settling of remaining solids. Finally, the treated water is pumped to a maturation lagoon where it sits, allowing any remaining particles to settle to the bottom.

At the end of the treatment process, fully treated water from the maturation lagoon is pumped to a winter storage dam where it is held until it can be reused by primary producers for irrigation during the drier months.



Trickling filters at the Camperdown Water Reclamation Plant

AT A GLANCE

Camperdown Water Reclamation Plant

2012/13 Volume Treated Sewage:	410ML
Number of Connections:	1,609
Storage Capacity:	2.5ML
Type of Treatment Used:	Biofiltration

IML = One Million Litres