

Bundamba Wastewater Centre

The Bundamba Wastewater Centre currently services a population of approximately 75,000 people.

This facility was developed in three separate stages.

Plant A was commissioned in 1972 and comprised approximately 20,000 person conventional activated sludge system. This plant was decommissioned in 1982.

Plant B (commissioned in 1982) has an operating capacity of approximately 50,000 persons and is a carousel-type extended aeration system, with mechanical aerators, gravity sludge thickening, sludge drying beds and a belt filter press facility.

In 2003 the Bundamba Wastewater Centre was upgraded to an operating capacity of approximately 100,000 persons. Included in the upgrade was the introduction of biological nutrient reduction as part of the treatment process.

In 2003 the Tivoli Wastewater Centre was closed. The closure of the Tivoli Wastewater Centre and the diversion of the wastewater to an upgraded Bundamba Wastewater Centre led to a reduction of 70% in the nitrogen levels, a 80% reduction in phosphorous and 40% reduction in organic matter released into the Bremer River.

The disinfected reclaimed water is currently discharged to the Bremer River.

What happens at the Bundamba Wastewater Centre?

