

Condon

WATER PURIFICATION PLANT



Fast Facts

LOCATION » Bowhunters Road, Condon

QUANTITY OF WATER TREATED » Approximately 4 mega litres per day

TOTAL TREATMENT CAPACITY » 5 mega litres per day

POPULATION COVERED » Approximately 22,000 people

SERVICE AREA » Upper Ross

OPERATING HOURS » 24 hours a day, seven days a week, 365 days a year

NUMBER OF STAFF » Six across all minor plants (Magnetic Island, Toomulla and Condon)

About the facility

Condon Water Purification Plant was constructed in 1986 and consisted of inlet screening works, aeration basin, clarifier and chlorine contact tank, sludge lagoon and effluent storage lagoon. In 1994, the plant received an upgrade which doubled the structures and capacity.

What is the process for treating wastewater?

The wastewater is treated through a number of processes which remove solids, organic matter and nutrients from the sewage so it can be safe to reuse or safely discharged into the environment.

Where is the wastewater discharged?

The treated wastewater is discharged in four locations:

- » Bohle River
- » Townsville Golf Course irrigation
- » On-site irrigation
- » On-site service water

How are other waste products used?

Bio-solids produced by the facility are rich in nutrients so every few years, the lagoons are dewatered and bio-solids are transferred to the Cleveland Bay facility and used as a fertiliser for livestock pasture.

How is odour managed at the facility?

There is no requirement for managing odour at this facility other than open air structures.

