

Yeppoon Sewage Treatment Plant



Location

Yeppoon, Australia

Client

Livingstone Shire Council

Project Value

AUD\$10.0 Million

Start Date

December 2002

Completion Date

March 2006

Office Responsible

Cardno, Water Supply & Sewerage

Responsibilities

Construction of a new sewage treatment plant and associated reclaimed water irrigation scheme.

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Project Scope

The existing Yeppoon Sewage Treatment Plant (STP) is at capacity and is poorly located in relation to the future development of the Capricorn Coast. The Council's aim was to augment the treatment capacity of the Shire's STP at Yeppoon to 21 000 EP either at the existing STP location or at a new site.

Livingstone Shire Council commissioned Cardno to design a new modern sewage treatment plant to be located 5km west of Yeppoon.

The new plant combines biological and chemical treatment processes using activated sludge and tertiary filtration to produce a high quality effluent able to be used as a Class A irrigant. The plant has a capacity to service 21 000 EP and will be supplied with influent from a 450 rising main located at the existing treatment plant site.

The plant's processes will be fully monitored and controlled using the latest technology.

Following completion of the project the existing plant will be decommissioned.

Cardno was engaged in the construction of a new STP and associated reclaimed water irrigation scheme to service Yeppoon.

Cardno's role was to:

- Complete a Feasibility Report on augmentation of treatment capacity to 21 000 EP
- Complete Planning Report for DNR&M approval and funding
- Prepare MCU application and gain EPA approval
- Complete detailed design and documentation for adopted augmentation strategy
- Complete project by undertaking contract administration, construction supervision and commissioning (due to commence March 2006) on new STP.

