



ROADTRAIN® PACKAGED SEWAGE PLANT FOR WUJAL WUJAL COUNCIL



Wujal Wujal Aboriginal Shire Council is located on the north and south sides of the Bloomfield River in Northern Queensland.

The Roadtrain® treatment system included:

- Mixed Equalisation Tank
- Fine Screening for solids removal
- Pre-Anoxic zone
- Rotating Biological Contactor
- De-oxygenation tank
- Secondary Clarification
- Tertiary Sand Filtration
- Chem P removal
- UV Disinfection
- Sludge Drying Beds
- Controls and HMI

Item	Value
Capacity	205 m ³ /d
Process	RBC Based
BOD Limit	5 mg/L 80%ile
Turbidity	2 NTU
TN Limit	10 mg/L 80%ile
TP Limit	1 mg/L 80%ile
Faecal Coliforms	10 cfu/100mL 80%ile
Year	2006

The plant is to be protected by a primary settling tank, will provide for primary removal of BOD, Suspended solids and TOG.



The biological system consists of a pre-anoxic tank, for nitrate removal, a single RBC unit equipped with 3 internal cascades, for BOD and ammonia oxidation, and a de-oxygenation tank for the removal of residual oxygen from the RBC unit, generating a low oxygen feed for the pre-anoxic tank.

The treated secondary effluent is further polished in a tertiary sand filtration system.

RoadTrain® systems are ideal for remote locations, where a robust process and mechanical design along with minimal operator attendance is required.

ROADTRAIN®

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