

MULTIPLE LARGE LOGMAX[®] CLARIFIERS FOR MOUNT ST JOHN STP

CASE STUDY



THE CLIENT

The Mount St John STP operated by Townsville City Council provides treatment to 106,000 people and has a peak capacity of 25,000 kL per day.

OVERVIEW

As part of a major upgrade in 2011, three EPCO Clarifiers were provided as part of the new secondary treatment process.

The clarifier provided is a peripheral drive secondary sludge scraper. The unit is driven by a shaft mounted gearmotor and an axial torque sensor assembly running on the peripheral tank rim. The clarifier runs continuously and is automatically controlled by the supervisory control system.



| Item | Value |
|--------------------|------------------|
| No. of Units | 3 |
| Clarifier Diameter | 42M |
| Clarifier Type | Peripheral Drive |
| Scraper Type | Log Spiral |
| Flocc Well | 13M ID |
| EDI Details | 4M ID |

EXPERTISE

Over 330 EPCO Clarifiers are in operation in Australia, SE Asia and Europe. The EPCO Australia brand is synonymous with clarification equipment and our team brings over 60 years of design and commissioning experience.

Key benefits:

- Extensive installation base
- Robust design and construction
- High torque peripheral drive
- Adjustable axial torque limiter
- Solid ultrahigh-HDPE wheels
- Drive Track wiper
- Adjustable sludge scrapers
- Stamford baffles