

MODERN ROBUST SECONDARY CLARIFIERS FOR BRIBIE ISLAND STP WITH LOGMAX® AND CLEANSWEEP®

CASE STUDY



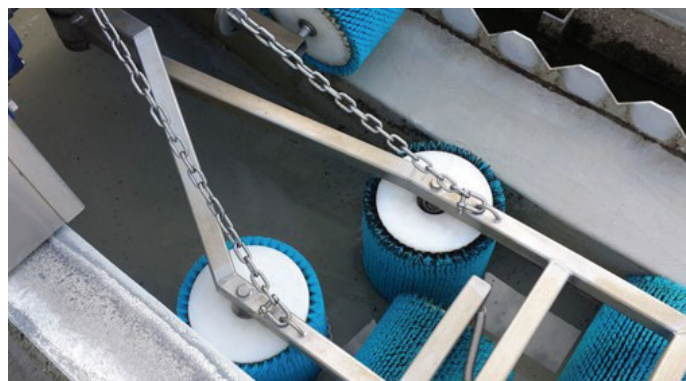
THE CLIENT

The Bribie Island STP operated by Unitywater was upgraded in 2014 to include a new clarifier and refurbishment of existing units.

OVERVIEW

Hydroflux Epco have refurbished many older clarifiers across Australia, regardless of the age and geometry of the clarifier tank.

- A stainless steel rotating access bridge, suitable to carry one radius of scrapers complete with aluminium grating and handrail and trailing stairs for access.
- A peripheral drive unit consists of a shaft mounted ear motor, adjustable axial torque element and track wiper with corresponding emergency plough limit switch.



- A centre mechanism comprises of a combination of a slewing bearing sandwiched between a base plate secured to the access bridge and the centre column. There is a 26 ring slipping with an integrated heater mounted on the centre column.
- An array of LogMax® sludge scraper blades suspended from the bridge by chains and vertical supports, rotate around the inclined tank floor, directing the settled sludge towards the centre pocket.
- To limit the growth of algae in the launder channel, a self adjusting launder broom assembly is utilised.

Item	Value
No. of Units	1 x New, 2 x Refurbished to as New
Bridge Length	14, 22 and 28M
Clarifier Type	Peripheral Drive
Scum Control	2 x EPCO Scum Boxes
Launder	316SS V-Notch
Scraper Type	LogMax®
Trough Cleaning	CleanSweep®