



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



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

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



The clarifier mechanisms consist of the following:

- 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 gear 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 slipring with an integrated heater mounted on the centre column.

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	CleenSweep®

- 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.

LOGMAX®

CLEANSWEEP®

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