

HUNTER WATER'S LARGEST TREATMENT PLANT INSTALLS LOGMAX[®] CLARIFIERS WITH CLEANSWEEP[®]

CASE STUDY



THE CLIENT

The Burwood Beach WWTP is the largest sewage treatment system that Hunter Water operate, with a processing capacity of 44 million litres per day, or up to a population equivalent of 190000.

OVERVIEW

A recent upgrade included the installation of a new secondary clarifier system. EPCO Australia were awarded the design, fabrication, installation and commissioning of a 33M diameter peripheral drive clarifier mechanism.

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
- A peripheral drive unit consists of a shaft mounted gear motor, adjustable axial torque element and track wiper
- The scum skimmer is a hinged stainless steel blade with neoprene squeegee
- An array of LogMax[®] sludge scraper blades suspended from the bridge by chains and vertical supports directs the settles 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 33M diameter
Bridge Length	23.68M Rotating
Clarifier Type	Peripheral Drive
Scum Control	2 x EPCO Scum Boxes
Launder	316SS V-Notch
Stamford Baffles	Included