

UPGRADING SOUTH CABOOLTURE STP EXISTING CLARIFIERS TO INCLUDE HEADMAX® SUCTION TUBES

CASE STUDY



THE CLIENT

The South Caboolture STP was upgraded in 2010 to increase its capacity from 40,000 to 80,000 EP.

OVERVIEW

The upgrade will enhance the quality of the effluent produced and improve the overall amenity of the plant.

An existing gravity thickener was upgraded to include new/refurbished internals. This included a HeadMax® suction tube system .

Item	Value
No. of Units	1 x 18.5M diameter
Scraper Type	HeadMax® Suction Header
Drive	Centre Drive
Scum Control	1 x EPCO Scum Boxes
Launder	316SS V-Notch

Key benefits of the HeadMax® include:

- Flat floor construction of the clarifier saves on civil costs
- Full suspended system meaning there is no contact with the floor, hence minimal wear
- Fully adjustable rubber squeegees
- Reliable suction tube, fully adjustable with slotted arrangement to suit civils
- Proprietary sliding gate to adjust the flow to the suction tubes
- All stainless steel construction for wetted parts
- Heavy duty drive system with minimum maintenance requirements

Hydroflux Epco clarifiers are designed and manufactured in Australia. There are over 330 installations around the world with references dating back to 1961.

