

Cedar Grove Wastewater Treatment Plant

This wastewater treatment plant is **Queensland's first environmentally sustainable facility**. Designed to treat wastewater to the highest standards, this plant will provide five times the benefits when compared to any other typical wastewater treatment plant in Australia. This plant will produce ultra-low nutrient effluent using a biological treatment process and constructed wetlands to 'polish' the effluent. Additionally, there is a program to replant and rehabilitate sections of the river banks upstream of the plant to prevent tonnes of nutrient-laden sediment from entering the waterway.

Treadwell was engaged to supply the EcoEX™ FRP odour control panels for the water treatment tanks.

Project Challenges

- Panels needed to be load bearing to access equipment located above the covers.
- Hatches were required to allow access for authorised personnel. The covers also needed to be able to support handrails for staff safety.
- Due to the various structures on site, selected material needed to be easily cut to size where required.

PROJECT INFORMATION

Project Category:	Waste Water treatment plant
Scope of Work:	Supply EcoEX™ FRP Odour Control Tank Covers
Treadwell Products:	EcoEX™ Sureline® Heavy Duty FRP Panels and Hatches



Treadwell Solution:

- 1 EcoEX™ SureLine® FRP HD covers are manufactured from premium quality resins with reinforced membranes that contain odours.
- 2 SureLine® FRP HD odour control panels can incorporate a range of inspection hatches, full hatches with safety grates, as well as maintenance hatches.
- 3 These SureLine® FRP HD panels are sturdy enough to have handrails installed to provide enhanced safety for the user.
- 4 FRP is simply fabricated and modified on site. This means that any variance on task is easily accommodated.
- 5 Being lightweight and easy to install, FRP is very manageable during construction.
- 6 Given the nature of FRP, any system utilising it is virtually maintenance free, keeping maintenance costs to a minimum.