

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:	Wastewater Treatment Plant
Scope of Work:	Supply EcoEX™ FRP Odour Control Tank Covers
Treadwell Products:	EcoEX™ SureLine® Heavy Duty Panels and Hatches

Treadwell Solution:



1

EcoEX™ SureLine® HD covers are manufactured from premium quality resins with reinforced membranes that contain odours.

2

SureLine® HD odour control panels can incorporate a range of inspection hatches, full hatches with safety grates, as well as maintenance hatches.

3

These SureLine® 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.

OFFICES



ABOUT TREADWELL

At Treadwell Group, our core business divisions have been developed utilising the latest fibreglass reinforced plastic (FRP) technology. With constant innovation and evolution of our offerings, we grow in competence with each experience in delivering unparalleled solutions to a diversified index of industries which include the water and wastewater, mining, oil and gas, public infrastructure, marine sectors. The progression of our products has been focused on ensuring extended design life in varied applications, enabling us to support our continuing commitment to satisfy and add value to our client's endeavours.

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