



Sewage Transfer Hub

This sewage plant located in Victoria, required additional infrastructure to accommodate the growing population in Melbourne’s northern suburbs. This would include new above-ground tanks and a new sewage pump station, which would improve their capacity to collect, store and transfer sewage flows. An innovative planning and design process was undertaken that would allow this plant to grow as needed to match development, and resulted in a saving of over \$100 million through this alternative solution.

Treadwell was engaged to supply the FRP odour control solution as part of this project.

Project Challenges

- Covers needed to be mounted from the top and needed to be easily removable.
- Covers needed to be high strength, durable and load bearing.
- Traditional materials would not be able to withstand the constant exposure to the surrounding highly acidic environment. The selected material needed to be resistant to corrosion, to ensure longevity.

PROJECT INFORMATION	
Project Category:	Sewage Treatment Plant
Scope of Work:	Supply EcoEX™ FRP Odour Control Tank Covers
Treadwell Products:	ArchitEX™ Structural Profiles EcoEX™ SureLine® Heavy Duty Panels and Hatches associated Fasteners and Support Brackets

Treadwell Solution:



- 1 EcoEX™ SureLine® HD covers are manufactured from premium quality resins with reinforced membranes that contain odours.
- 2 EcoEX™ is constructed in a way that allows easy removal of panels whenever access is required.
- 3 The panels for this project were designed to be anti-slip and customised to meet load requirements.
- 4 ArchitEX™ structural beams and EcoEX™ panels are made from specially formulated resins to withstand corrosion.
- 5 Lightweight and boasting minimal maintenance requirements, EcoEX™ made for an easy decision.
- 6 Given the nature of FRP, any system utilizing 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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