

Wanganui Sewage Treatment Plant

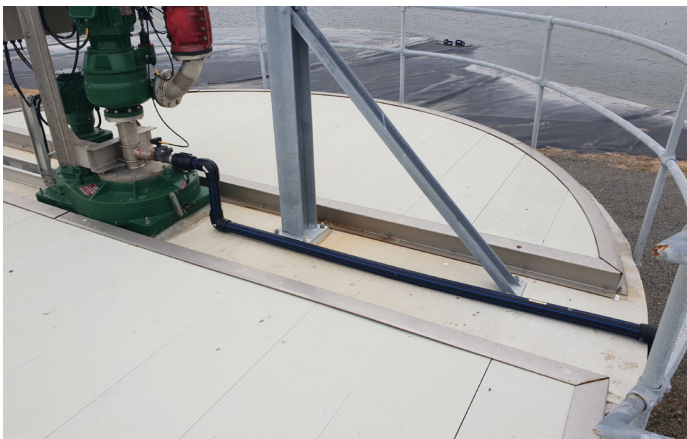
The Wanganui wastewater treatment plant in New Zealand needed to be upgraded with a solution that was robust and could capture the odour produced from the plant. As a part of this upgrade, Treadwell worked closely with the mechanical contractor, builder and council to deliver an odour control cover solution using Treadwell's EcoEX™ SureLine® HD system. In addition to containing corrosive gases, this project was designed to bear loads allowing safe access across the covers.

Project Challenges

- Large spans between tank walls.
- Designed to facilitate safe access for walking traffic across the panels in accordance with the roof loading requirements.
- Exposure to highly corrosive hydrogen sulfide gas.
- Required anti-slip surface that met P5 rating standards

PROJECT INFORMATION

Project Category:	Water Infrastructure
Scope of Work:	Design & supply odour control cover system
Treadwell Products:	EcoEX™ Sureline® Heavy Duty FRP Panels



Treadwell Solution:

- 1 Treadwell's high performance EcoEX™ SureLine® Heavy Duty FRP panels are manufactured from premium grade, corrosion-resistant fibreglass resins.
- 2 The panels for this project were designed and customized to meet live load requirements.
- 3 FRP is simply fabricated and modified on site. This means there is no need for any hot works permit.
- 4 Being lightweight and easy to install, FRP is very manageable during construction.
- 5 Given the nature of FRP, any system utilising it is virtually maintenance free, thus keeping maintenance costs as low as possible.