

Wastewater Treatment Plant

This Wastewater Treatment Plant is a \$230 million facility that comprises of two wastewater treatment plants sharing common infrastructure. It treats wastewater from nine towns in Victoria. The plant serves the needs of more than 48,000 customers and 300 local businesses.

Apart from treating waste the plant can produce up to three billion litres of recycled water for use by Australian Paper, thus safeguarding domestic supply of drinking water. At the same that the facility was being built, 78 kilometres of new pipeline and eight new pump stations were built.

Treadwell was tasked to support the major project with the supply of FRP grating and responded in confidence with a customised solution.

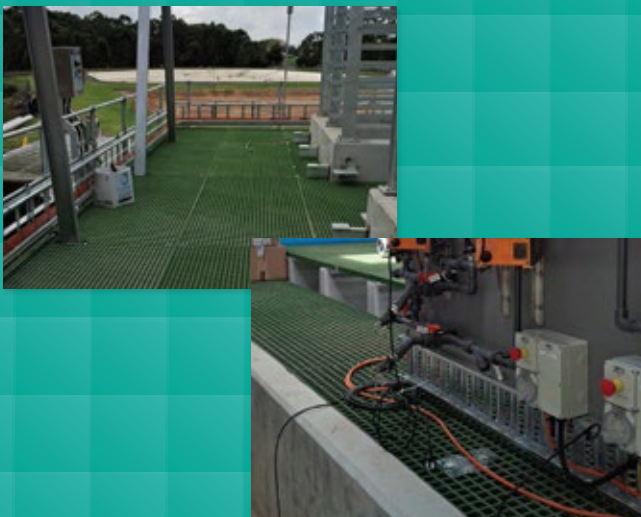
PROJECT INFORMATION

Project Category:	Wastewater treatment plant
Scope of Work:	Turnkey FRP solution for pump stations
Treadwell Products:	GratEX® FRP Grating
Value:	\$50,000

Project Challenges

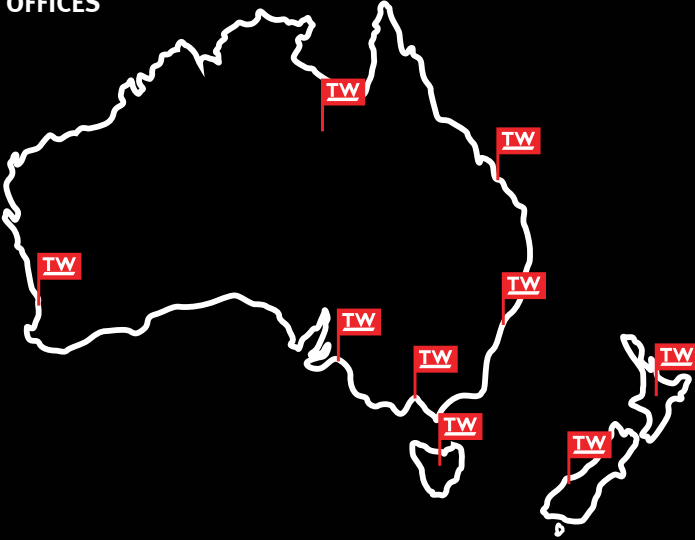
- Customised extra wide panels were required in certain portions of the construct.
- An independent expert's report identified significant corrosion and erosion that without a sustained program to upgrade the asset that the risk of significant failure was materially increased.

Treadwell Solution:



- 1 Corrosion resistant GratEX® Solid Top grating are manufactured from premium grade fibreglass resins that was categorically specified to withstand the acerbic environment.
- 2 Customised width panels were engineered and design to suit the specifications required.
- 3 The extensive range of ArchitEX™ provided the durable and strong components in the support of the framework specified.
- 4 FRP is simply fabricated and modified on site. This means there is no need for any hot works permit. 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.

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 and 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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