

Wagga Wagga Water Treatment Plant

In 2015, Riverina Water County Council (RWCC) began the design, development, construction and commissioning of a 55 mega litre per day Wagga Wagga Water Treatment Plant.

Treadwell played a crucial part in the supply of GratEX® Solid Top grating to cover the majority of the sewerage openings on the site. ArchitEX™ FRP structural profiles formed the durable and reliable support on which the grating was placed.

Project Challenges

- In such a corrosive environment where chemicals and by products are present, the concern was to go beyond traditional materials and to acquire an alternative that would outlast in these conditions.
- There was a need to design and engineer a practical sealable rebate or step throughout the facility.
- The cost of maintenance of the facility was a concern once installed as experience with previous materials required consistent attention to maintain the facility.

PROJECT INFORMATION

Project Category:	Water treatment plant
Scope of Work:	Supply for construct of Wagga Wagga water treatment plant
Treadwell Products:	GratEX® FRP Solid Top Grating ArchitEX™ Structural Profiles
Value:	\$30,000

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

Treadwell's engineering team successfully delivered a sealable rebate design which had a proprietary odour tight seal.

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.

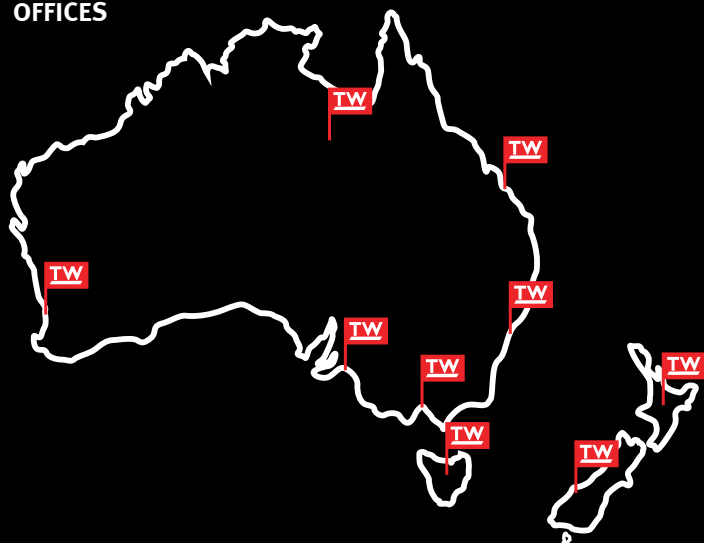
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Being lightweight and easy to install, FRP is very manageable during construction.

6

Given the nature of FRP, any system utilising it is virtually maintenance free, 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, 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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Australia

P 1800 246 800
F 1300 763 521

sales@treadwellgroup.com.au
treadwellgroup.com.au

New Zealand

P 0800 246 600
F 0800 244 600

sales@treadwellgroup.co.nz
treadwellgroup.co.nz