

## Wagga Wagga Water Treatment Plant

Originally formed in the 1930s, this water treatment plant was incorporated to make reticulated water available to towns and villages in the area.

Over the years, more localities were added. Water supply was established with the Murrumbidgee River with a network of treatment, pumping, storage and pipework installations.

To support expansion plans, a new plant was built. As part of the new plant, a trash screen needed to be installed to prevent debris from the river going into the pipes. Decking was also installed in the chemical bund for potential leaks.

### Project Challenges

- The structural profiles used for the trash screen needed to withstand debris loads.
- Structural profiles would be installed in the exposed outdoor climate.
- Grating had to be corrosion resistant in the chemical environment.

### PROJECT INFORMATION

Project Category:	Water Infrastructure
Scope of Work:	Supply of FRP products
Treadwell Products:	ArchitEX™ FRP Structural Profiles RailEX® ROUND FRP Handrails EX-Series® GratEX® FRP Square Mesh Grating



### Treadwell Solution:

- 1 Treadwell's FRP products are constructed from premium resins that include corrosion resistant properties and UV inhibitors.
- 2 Treadwell's ArchitEX™ FRP structural profiles can be customised to suit the application.
- 3 RailEX® FRP ROUND handrails are the choice alternative to metallic handrails and offers electrical transparency while being non-conductive in nature.
- 4 GratEX® FRP Square Mesh grating allows for maximum flow through of excess chemicals.
- 5 FRP is simply fabricated and modified on site. This means there is no need for any hot works permit.
- 6 Given the nature of FRP, any system utilizing it is virtually maintenance free, keeping maintenance costs to a minimum.