



GRT Water Services

ZERO WATER TREATMENT

The Problem

Hydrogen sulphide gas is a common by-product in sewage treatment systems.

The gas is not only recognised for its noxious smell and toxicity to workers but also can corrode pipes and sewage treatment facilities at significant cost to operators. Each year, corrosion from hydrogen sulphide and sulphuric acid is estimated to cost US sewage treatment operators \$14 billion.

Until now, operators were restricted in their choice of treatment method, with current methods either unable to treat high concentrations of hydrogen sulphide or often leaving treated materials unsuitable for uses such as agriculture.

Our Solution

GRT Water Services introduces **Zero Water Treatment**, a magnesium-based polymer solution that effectively limits the formation of hydrogen sulphide gas.

By increasing the pH levels of treated materials, **Zero Water Treatment** reduces odours and risks for on-site workers, while limiting corrosion to sewerage systems.

GRT Water Services offers cost-effective, turn-key solutions, offering dosing facilities to local government and industrial sewerage system operators and is suitable for aerobic and anaerobic treatment systems.

Application

GRT Water Services works with clients to design, install and manage facilities to provide custom dosing for the Zero Water Treatment product.

At selected pumping stations and the sewage treatment plant, dosing stations measure the pH levels and the concentration of hydrogen sulphide, before injecting precise concentrations of the Zero Water Treatment product.

Zero Water Treatment relies on GRT's internationally recognised expertise in advanced polymer technology, ensuring the solution's maximum effectiveness by staying in suspension longer.

Our services

GRT Water Services offers an award-winning, proven, process and technology, supported by world-class polymer experts and water services specialists with expertise in sewerage treatment systems.

In addition to the design, installation and management of customised dosing stations, our expert personnel also offer consulting, onsite cleaning and maintenance.

GRT Water Services provides just-in-time deliveries to clients through our company-owned Australia-wide distribution network, reducing on-site storage and ensuring savings through reduced stock on-hand.



Fast Facts

- **Effective Odour and Corrosion Control**
- **A more beneficial pH range for system performance**
- **Proven hazard reduction method for sewage treatment system operators**
- **Safer manual handling due to its non-corrosive and non-toxic properties**
- **Cost-effective method of reducing burden of hydrogen sulphide corrosion**
- **Lower sodium wastewater output**
- **Substantial operational, safety, financial and environmental benefits over alternative treatment solutions**



Quality assured

GRT Zero Water Treatment is manufactured to ISO9001 standards and has been comprehensively reviewed by leading independent testing institutions and major companies worldwide.

