

Media Release – April 2010

Water Infrastructure Group Refines Epoxy Sewer Rehabilitation

Water Infrastructure Group has successfully rehabilitated two sections of Sydney Water's Northern Suburbs Ocean Outfall Sewer (NSOOS).

The rehabilitation was completed on schedule using a two part epoxy mortar coating system that Water Infrastructure Group has refined to be an extremely efficient, reliable and safe option for sewer rehabilitation. The process was originally developed by Water Infrastructure Group for rehabilitation of Sydney Water's Southern and Western Suburbs Ocean Outfall Sewer, which is the largest sewer rehabilitation project ever undertaken in Australia.

Water Infrastructure Group project engineer Moyra Martinez explained that the NSOOS project involves rehabilitation of two aqueducts located in Gore Creek Reserve and Burns Bay Reserve.

"The primary intent of the rehabilitation work is to apply a protective coating to preserve the remaining concrete in the roof soffits and walls. We have developed an automatic pump system that ensures that both hardener and base component are mixed at the right ratio, pressure and temperature to achieve a very high quality finish. We successfully applied a 20mm coating over a 1500 square metre area for this project."

"The work was undertaken in normal live flow conditions. The advantage of our pump system is that it draws the two part epoxy from 1000 litre bulk bags on the surface through 100 metre hoses so that only the spray applicator is within the sewer."

"To provide safe working areas, we designed custom access platforms to minimise hydraulic resistance. Safety is our highest priority for this type of work and this innovation in conjunction with our safety and environmental systems has given us outstanding results for Sydney Water's safety audits," Moyra explained.

The NSOOS project has been completed as part of the SewerFix Wet Weather Alliance. The sewer has remained fully operational during the rehabilitation with minimal disruption to residents in this quiet urban environment.

More information

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About Water Infrastructure Group

Water Infrastructure Group provides a unique combination of design, build, operate and maintenance services. We offer sole-source accountability for streamlined delivery of sustainable water infrastructure to meet community and business needs.

Our holistic approach to infrastructure delivery results in:

- Award winning innovation
- Reduced costs
- Guaranteed performance
- Individualised solutions
- Comprehensive environmental compliance
- Enhanced risk management

Water Infrastructure Group is an Australian leader in water recycling and Australia's largest supplier of Class A recycled water for farming and residential use. We have led the way with the introduction and regulatory approval of microfiltration technology for water recycling and our innovation and contributions to the water industry have been recognised by Australian and international excellence awards.

We have an extensive track record in the delivery of water and sewage treatment plants and we are one of Australia's leading infrastructure rehabilitation specialists, providing services such as pipeline inspection, assessment, linings, coatings and major valve work.

Formed in 2008, Water Infrastructure Group has over 200 people and combines the complementary skills of the former Earth Tech water projects group with Tyco's Water Technology Australia and Water Services businesses to deliver an expanded range of services that cater for the needs of customers and current developments in the water industry. More information about Water Infrastructure Group can be found at www.wigroup.com.au.

Water Infrastructure Group is a Tyco International Ltd company. Tyco is a diversified, global company that provides vital products and services to customers in more than 60 countries and has 118,000 employees worldwide. More information on Tyco can be found at www.tyco.com.

