INDUSTRY CASE STUDIES

WESTERN SYDNEY REPLACEMENT FLOWS PROJECT

THE PROJECT

As a key element of the NSW Government's Metropolitan Water Plan, the $209 million St Mary's Water Recycling Project was required to be constructed which included a state-of-the-art water recycling plant at St Marys and a network of major pipelines.

The St Marys Water Recycling Plant was required to deliver up to 18 billion litres of high quality recycled water to the Hawkesbury-Nepean River system each year.

The recycled flows generated by the project are to replace water releases from Warragamba Dam, Sydney's main water source. The project will also reduce the volume of nutrients being discharged into the river.

THE SOLUTION

Viadux was contracted to supply and deliver over 50 kilometres of TYTON Ductile Iron Pipe and SUREFLOW fittings in sizes ranging from DN300 to DN600.

Viadux were selected based on their commitment to quality and the extended service life of their products, essential in safeguarding the river system which supports a $600 million irrigated agricultural industry, a $6.3 million fishing trade and the 10 million tourists attracted each year by its unique ecosystems.

THE RESULT

Viadux supplied in excess of 7000 individual pipes in addition to more than 1,000 fittings and fixtures culminating in an Australian made pipeline over 50 kilometres long. Viadux was well prepared to meet the demanding volume and specifications of the order with experience and expert knowledge in supplying pipeline systems in this country for over 100 years.

The successful completion of the St Marys Water Recycling Project is a fine example of the water industry's ability to combine its capabilities and deliver large scale projects to the community safely, on time, under budget and meeting all quality requirements.

PROJECT SUMMARY

PROJECT	Western Sydney Replacement Flows Project
CLIENT	Sydney Water
LOCATION	Western Sydney, New South Wales
DATE	Deliveries began July 2008
SUPPLIED	Over 50km of TYTON DICL pipe and SUREFLOW fittings and valves ranging between DN300 and DN600

viadux
WATER NETWORK SOLUTIONS