

SYDNEY SEWERFIX - AUSTRALIA

Sydney Water is delivering SewerFix, a program that aims to protect public health and the environment by significantly reducing overflows and leaks from the sewerage system. Over the four year program Sydney Water will have spent AU\$560 million fixing leaks and blockages in pipes, installing new pipes and valves as well as upgrading existing sewage pumping stations.

Sydney Water's wastewater system takes away 70 billion litres of wastewater every year from sinks, toilets, showers, washing machines and dishwashers. It also takes waste from industries and businesses.



A pit construction at Neutral Bay in the Sydney metropolitan area with the AVK valves being installed

Fats, debris, tree roots and other materials can block the wastewater system and prevent it from working properly. Blockages can cause a 'Dry Weather Overflow', meaning polluted water overflows into the environment. The sewerage system is designed to cope with three to four times the average dry weather flow. However, flows through the system have increased as a result of development and population growth. In addition rainwater can enter the system during wet weather through cracks or faults in the pipes. When wet weather flow rates exceed the capacity of the sewers, overflows may result.

One priority of the SewerFix Program is to reduce the number of wet weather overflows.

AVK Australian made Series 55 & 57 Gate Valves and Series 41 Swing Check Valves are being installed in the pipework development of this program.