Severn Trent Water, based in Coventry, are a water company who supply water and waste water services to around 4.3 million homes and businesses across the Midlands and mid-Wales.

The Challenge
Repeated incidents of sewage flooding had been experienced at the site, attributed to reduced pumping capacity of the rising main caused by a build up of sediments. Severn Trent has resorted to using waste tankers to manage the wet-well levels which had become inconvenient and expensive. A capital project had recently been approved for the replacement of the rising main.

Key Requirements
- Improve flow rates
- Save time and money
- Remove need for waste tanker

The Project – Wastewater
Ice Pigging was used to clean 1184m of 63mm MDPE rising sewer main. Severn Trent were keen to see how effective Ice Pigging would be compared to other common sewer cleaning methods. The success of this operation meant that the client was able to cancel an expensive capital project to replace the pipe.

THE RESULTS:

- A 99.95% cost saving between Ice Pigging and mains replacement
- Significant improvement in flow rates. Pump 1 showed an increase of 43.75% and Pump 2 an increase of 40%
- No need for waste tankers to pump away excess sewage, saving money and time
- No threat of sewage being discharged into the environment

“The Project – Wastewater”

Richard Clay, Senior Solutions Engineer