



UTILITY
SOLUTIONS

Honey Hill

Comprex® Impulse Cleaning

Client: Northumbrian Water

Project: Comprex® Impulse Pipe Cleaning

Location: Honey Hill, Northumberland

Completed: June 2025



IES Utilities Solutions successfully deployed Comprex® Impulse cleaning Technology on a pilot case with Northumbrian Water to clean a 300mm cast iron cement-lined mains pipe. This pipe laid in 1922 had been taken out of supply due to the sediment and discolouration risk.

Using Comprex® meant that there was no extensive setup needed, by using standard hydrant or valve access we were able to complete the project within regular operational windows.

Throughout the day the depth and thoroughness of this technology became even more apparent with the pipe being returned to its full working order. Samples of the water were taken throughout the day to show the progression of the water coming through the mains during the clean.

The IES team cleaned the 2,000 metre pipe in under a day, where the post-cleaning samples showed a compliant turbidity of 2.2NTU, with its pressure and flow performance restored. Efficiently removing biofilms, sediments, manganese, iron and aluminium deposits from the pipe.

The system was controlled through a digital interface which made calibration, monitoring and reporting simple and transparent. It ensured through automation that pressure levels were kept within safe operating parameters to prevent risk to both the asset and operators.

The result: a rapid clean of the pipe with Turbidity levels reduced below 2.2 NTU, a significant uplift in water pressure and flow performance travelling through the mains pipe with no safety incidents and positive feedback from everyone on site.

