



Hot weather equals high demand for all water companies

With the prospect of climate change and many areas already seeing water shortages, it is vital that all parts of the water production process are operating optimally. Any inefficiency in production can cause pressure on treated water availability, as water is consumed faster than it is being produced.

The hot and dry summer has led to increased use of Ice Pigging™ in raw water applications. The process can be applied to raw water transmission pipes to remove sediment and increase flow rates by up to 40%.

In the case of groundwater, Ice Pigging™ is applied to pipework between the borehole and treatment works; for surface water reservoirs, we clean from the dam down to the works.

In a recent raw water project, 3,500m of DN250 pipework was cleaned in a single operation, resulting in a flow increase of 40%. Given that these projects often require no enabling works, and minimal downtime on the asset, it is little wonder why raw water schemes are now making up the majority of our enquiries.

We have also seen an upturn in customers using Ice Pigging™ in place of routine District Metered Areas (DMA) flushing, largely brought on by the significant water savings that can be made. Ice Pigging™ uses around 75% less water than flushing and produces far better results. The process has long been the first choice for DMA cleaning in drought prone areas such as Australia, but now water scarcity in the UK is increasing the uptake here too.

Phil Pettit
Business Development Manager- Ice Pigging™





Cleaning cast iron pipes... under the right conditions

Yes, Ice Pigging™ can clean cast iron (CI) pipes given the right conditions. Using a comprehensive risk assessment process, Ice Pigging™ is highly effective and efficient in cleaning unlined cast iron pipes. While not a corrosion control mitigation, Ice Pigging™ is a method that will remove debris and other particulates, including biofilm, a breeding ground for harmful and infectious viruses and bacteria. This process is very successful in CI pipes that is not highly deteriorated and corroded.

Click [here](#) to learn more about the risk assessment evaluation.



Smooth operations continue for Welsh Water

SUEZ continues to successfully carry out Ice Pigging™ operations for Dŵr Cymru Welsh Water and Morrison Water Services in Aberystwyth, Wales. More than 23 kilometres of water pipes have been cleaned in the past month thus far, resulting in improved water quality for residents. One of the advantages of Ice Pigging™ is it is done at night so as to minimise customer impact. This means no road blockage, no traffic bottlenecks, and no delays.

Since 2017, Ice Pigging™ has made a positive impact on Welsh Water's vast 27,000-kilometre water pipe network by helping tackle water discolouration issues, along with a parallel mains replacement programme. So far, Ice Pigging™ operations has been conducted on 350 kilometres of pipes, including 52 kilometres of trunk mains and 298 kilometres of distribution mains in 38 priority zones.



French municipality says 'oui' to Ice Pigging™

The Ice Pigging™ team, along with SUEZ Eau France colleagues, conducted a successful trial project for the municipality of Moringhem in the Pas-de-Calais region of France. The cleaning of 1,000 metres of DN80 unlined cast iron pipework was highly effective, removing a large quantity of fine iron sediment, which has been causing discoloured water problems in the area.

Ice Pigging™ is one of the only cleaning techniques that can be safely applied to cast iron water pipes as it is highly effective at removing sediments that can cause discolouration, while being gentle on the pipe walls and lining. The Ice Pigging™ team delivers projects across the UK and all throughout Europe.



Ice Pigging™ in Bristol

Ice Pigging™ carried out recently its fifth phase of operations for the Bristol City Council & contractors CSW as they progress through the ambitious Bristol Heat Network installation that will help decarbonise heat in the city. In just a few hours of Ice Pigging™, dirt and construction residues were removed from the pipe, speeding up the commissioning process.



WHAT'S ON



Ice Pigging™ Demo at No-Dig Live 2022

Watch a live demonstration of the Ice Pigging™ process at No-Dig Live 2022 from 13-15 September 2022. Catch the SUEZ Smart and Environmental team at Stand 38 in the outside arena to answer your questions, share Ice Pigging™ case studies and more. Ice Pigging™ demonstration times are 10:30 a.m., 12:30 p.m. and 2:30 p.m.

No-Dig Live 2022 is a highly focused event providing a forum for trenchless technologists to meet and discuss the latest industry developments. This is the only forum in the UK allowing manufacturers and suppliers to display and demonstrate their products. Free of charge, the event is supported by the UKSTT and Trenchless Works. For more information and to download the full No-Dig Live 2022 e-ticket, click [here](#).

Don't Miss It: Ice Pigging™ Open House on 20 October 2022!

Join us from 10 am to 2 pm at the Ice Pigging™ Open House on Thursday, 20 October 2022, at the SUEZ office in Pucklechurch. You will get to meet the team, tour the facility, watch demonstrations, enjoy street food and take part in peer-to-peer round table discussions with special guests Jonathan Davies and Trystan Davies of Dŵr Cymru Welsh Water, our most prolific user of Ice Pigging™. They will reveal why they like the technology and how it benefits their organisation. Email info@ice-pigging.com to register your place.



We were there!

Ice Pigging™ attended the recently concluded European Wastewater Management (EWM) Conference and Exhibit from 12-13 July 2022 in Birmingham, with an interactive map that featured a comprehensive guide to SUEZ smart solutions for its clients.



CASE STUDIES

Quick & efficient response to Affinity Water mains clean-up

The Ice Pigging™ technique was successfully implemented in the pre-emptive cleaning of Affinity Water mains ahead of a planned Thames Water import of a new pumping station supply. Ice Pigging™ was employed to prevent water discolouration during the flow reversal process.

Located along a section of DN450 Ductile iron trunk main, which runs along the busy area of A40 red route, the 750m pipe was split into 10 different sections, each of which was cleaned at night between 11 p.m. to 4 a.m.

Affinity Water, the UK's largest water-only supplier providing 950 million litres to more than 3.6 million people daily.

READ THE FULL CASE STUDY [HERE](#).



Successful Ice Pigging™ operations continue to be conducted in Dŵr Cymru Welsh Water and Morrison Water Services with more water pipes being cleaned in the past few months. Among the many benefits Welsh Water are experiencing with Ice Pigging™ include the following:

- quick operations
- customer disruption reduction
- operational cost reduction
- reduced customer contacts about water quality
- improvements in turbidity
- significant removal of sediments
- no H&S incidents
- significantly higher quality of clean
- no-risk, non-invasive techniques

READ THE FULL CASE STUDY [HERE](#).

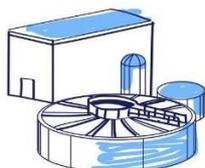
Ice Pigging™ Applications



Raw Water



Drinking Water



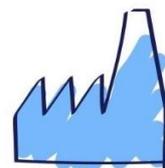
Wastewater & Effluent



Industrial Pipe
Cleaning



District Heating
Networks



Other
Industries

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