ICE PIGGING

AWARD WINNING TECHNOLOGY

Sustainable, simple, innovative & effective.

Utility Service introduces ICE PIGGING, a new technology for cleaning water mains and lines.

ICE PIGGING combines the operational advantages of flushing with the cleaning impact of soft pigging.

- Uses less water than traditional cleaning techniques
- Minimal downtime
- Requires no excavation
- Injected and recovered through hydrants
- Ice slurry is pumped like a liquid allowing it to adapt and flow through complex pipe networks
- More effective removal of biofilm and sediment
ICE PIGGING Advantages

- The ice pig will behave like a liquid and flow through changes in diameter, bends and fittings without blockage
- Will remove biofilm, sediment, and debris and will not harm pipes
- NSF Compliant
- No excavation is required where suitable valve and hydrants exist
- Consumes a fraction of the water required for flushing
- Minimizes down time - usually 20 minutes to feed the ice into the network and generally a few hours to recover the ice pig and the cleaned deposits
- Lowers disinfectant demand

ICE PIGGING APPLICATIONS

Ice Pigging effectively removes sediments, biofilms and foreign matter in pipes, which in turn improves water quality. It is suitable for:
- All pipe materials
- Mains up to 16 inches diameter and higher for special projects
- Raw water
- Potable water
- Sewer network - solution under development

Ice Pigging is an effective, sustainable tool when used as part of a holistic distribution system water quality and asset management strategy.

The Ice Pigging technology was developed in the UK and has been utilized across the globe, including the UK, Spain, Netherlands, France, Germany, Australia, and Japan.

AWARD WINNING TECHNOLOGY

2009 Water Industry Achievement Awards for Most Innovative Technology of the Year - WINNER
2010 International Water Association Project Innovation Award

Ice slurry with semi-solid properties  Before Ice Pigging  After Ice Pigging  Ice Pigging process samples from start to finish