

# SYLWRAP Case Study

## Contaminated Wastewater Pipe Live Leak Repair

A rapid live leak repair of a 450mm contaminated water pipe at a wastewater treatment works helps prevent a damaging environmental incident developing



Significant amounts of contaminated water were left spraying out of the pipe after it was cut into

### Defect

Infrastructure upgrades were taking place when contractors cut into a pipe they believed had been decommissioned and was due for removal.

In fact, it was one of the most important pipes at the site - still highly pressurised and linked to all waste treatment ponds. As soon as it was cut, a powerful jet of contaminated water began spraying out.

There was no feasible way to stop the leak other than isolating the pipe and replacing it, which would have involved shutting down the site for a prolonged period.

### Solution

The contractor contacted Sylmasta for urgent assistance. With Sylmasta HQ less than one hour away, we were able to rush products to the site and provide technical assistance during the repair.



Wrap & Seal sealed the leak before overwrapping with SylWrap HD Bandage for a permanent repair

Multiple **Wrap & Seal Pipe Burst Tape** were wrapped around the pipe, fusing to form a solid rubber band containing the contaminated water.

The repair was then overwrapped with **SylWrap HD Pipe Repair Bandage** to provide it with a rock-hard, impact resistant layer of protection.

### Result

Completing the repair took one hour and cost around £300. The speed of response prevented a serious environmental incident which would have resulted in a costly clean-up, huge fines and reputational damage.

Sylmasta have since recommended the treatment works keep a **SylWrap Pipe Repair Contractor Case** on-site, enabling them to make up to six emergency live leak repairs as soon as breaches occur in future.