

SYLWRAP Case Study



Power Station Contaminated Water Pipe Repair

A SylWrap live leak repair in 2015 to a cracked steel contaminated water pipe in a Puerto Rican Power Station ensured that the facility was operating at full capacity when Hurricane Maria devastated the island 18 months later



SylWrap HD is applied after the crack had been sealed using Wrap & Seal



The completed repair enabled the Power Station to operate at full capacity after Hurricane Maria hit Puerto Rico

Defect

A crack in a steel pipe carrying contaminated water from one of the power station's generators to an on-site treatment plant had undergone several failed repair attempts.

A live leak repair method was required to avoid shutting down the generator whilst a replacement pipe was fitted; a time-consuming process which would have involved flying in contractors and parts whilst the station operated at reduced capacity.

Solution

Using a **SylWrap Universal Pipe Repair Kit**, the Plant were able to seal the crack in the pipe with **Wrap & Seal Pipe Burst Tape**.

This was then overwrapped with a **SylWrap HD Pipe Repair Bandage**, providing an impact resistant layer to the initial repair.

Result

Within an hour of the repair, the generator was put back into service and the power station was running at full capacity again.

18 months later and the true value of the repair became apparent when Hurricane Maria became the most devastating natural disaster in Puerto Rico's history.

Keeping the power on was central to the relief effort and without the SylWrap repair, the power station would have had one less generator at a time when the island needed all the power available to it.