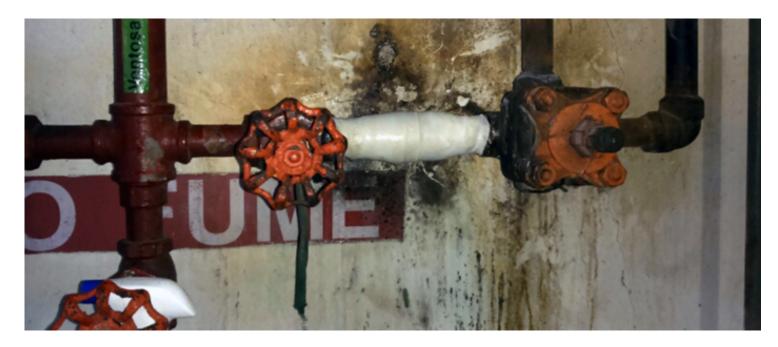


# **SYLWRAP** Case Study





## Power Station Hydrogen Line Pipe Repair

Two leaking joints on a 600mm section of hydrogen line at a power station in Puerto Rico required sealing before a new cooling system could go online

#### **Defect**

A hydrogen generator had been installed for cooling operations at the station, replacing the previous inefficient process of storing and transporting gas from an off-site tank.

Pipes took hydrogen from the new generator to where it was required. Prior to the system being put into service, hydrogen detectors were used to test for leaks. A 600mm section of pipe was found to be leaking, suspected from two joints between two valves.

### **Solution**

Although the leaks posed little threat, the station decided to repair and reinforce the line. The pipe was isolated and **Superfast Steel Epoxy Putty Stick** pushed tightly onto the pipe around both joints. The putty cured to form a steel-like material, plugging any gaps through which hydrogen could be escaping.

The entire line was then wrapped in a **SylWrap HD Pipe Repair Bandage**. Once cured, the Bandage provided a rock hard, impact resistant sleeve encompassing the pipe.

#### Result

24 hours after the repair and the line was repressurised. The hydrogen detectors could find no gas in the air, indicating the application had been a success. The new cooling system was then put into full service.



