

Belzona Seals & Reinforces a Water Pipeline at a Nuclear Plant

ID: 8855

Industry: Power
Application: VPF-Valves, Pipes and Fittings
Substrate: Steel
Products: * Belzona 1212 ,
* Belzona 1161 (UW-Super Metal) ,
* Belzona SuperWrap II (Belzona 1982 Resin) ,
* Belzona 9111 (Degreaser) ,
* Belzona 9341 (Reinforcement Sheet) ,

Customer Location: Bugey, France
Application Date: July 2020

Problem

The pipeline was greatly corroded (mainly external corrosion) which led to the formation of a live leak at a weld.



Photograph Descriptions

- * 1). Damaged pipeline. ,
- * 2). SuperWrap II application in progress. ,
- * 3). Finished SuperWrap II application. ,

Application Situation

A leaking water cooling pipeline within a Nuclear Power Plant.

Application Method

The pipeline could not be shutoff therefore grit blasting was not allowed. Surface preparation was therefore done using a Belt Sander & Grinder. The leak was plugged using Belzona 1212 and any pitting rebuilt using Belzona 1161 due to its surface tolerance prior to Belzona SuperWrap II being applied. The application was carried out in accordance with Belzona System Leaflet VPF-11.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

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Belzona Facts

The application was carried out whilst the pipeline was in service therefore eliminating any downtime. The repair was also standards and calculated in accordance with ISO24817 with a 20-year design life.

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