# BELZONA PROTECTS NEW STAINLESS STEEL PIPE SPOOLS

ID: 5526

Industry: Power Customer Location: Gas Fired Power Station, Avonmouth, UK

Application: VPF-Valves, Pipes and Fittings Application Date: December 2014

Substrate: Stainless Steel

Products: \* Belzona 4311 (Magma CR1),

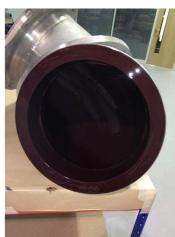
### Problem

Previously, carbon steel pipe spools were lined with rubber. During the pipe spool service, various chemicals had broken down the rubber lining and started to corrode the steel. The Power Station opted to replace the pipe work with stainless steel spools and requested that Belzona supply a solution to prevent internal corrosion. The pipe spools will come in contact with Sulphuric Acid and Chlorine Dioxide diluted in secondary treated sewage water.









# **Photograph Descriptions**

- \* New pipe spools before coating,
- \* New pipe spools before coating,
- \* Pipe spools after coating,
- \* Pipe spools after coating,

## **Application Situation**

The Power Station had 2 newly fabricated stainless steel pipe spools which were required to have an internal protective coating.

# **Application Method**

The application was carried out in accordance with Belzona Know-How System Leaflet VPF-2. After masking off all areas not to be coated, all edges were radiused and welds ground smooth before being grit blasted and coated with the Belzona 4311 system.

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

ISO 9001:2015 Belzona products are
FS 695214 manufactured under an ISO
ISO 14001:2015 9000 Registered Quality
EMS 695213 Management System.

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# Belzona Facts Current pipes in service were lined with rubber and when in service this rubber lining was eroded away and caused the pipes to leak Sulphuric Acid. Using the Belzona coating solution the new pipes will have a longer service life.