

# BELZONA REFURBISHES 128 STAINLESS STEEL PIPE FLANGES

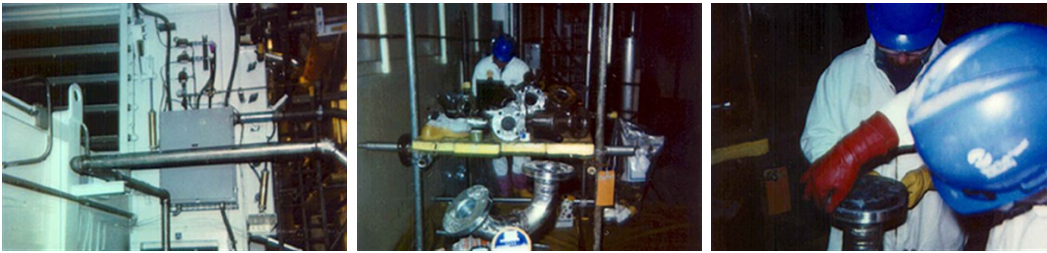
ID: 77

Industry: Power  
Application: VPF-Valves, Pipes and Fittings  
Substrate: Stainless steel  
Products: \* Belzona® 1111 (Super Metal) ,

Customer Location: Nuclear Power Plant in New York  
Application Date: January 1996

## Problem

The 3" diameter stainless steel piping suffered from micro biologically induced corrosion (MIC) and corrosion from brackish water.



## Photograph Descriptions

- \* Part of the service water system containing the stainless steel piping ,
- \* Some of the 3" diameter stainless steel spools being prepared ,
- \* Former being used to apply uniform thickness of Belzona® 1111 to the corroded flange faces ,

## Application Situation

Emergency service water system, (cooling water to containment air coolers)

## Application Method

Application was carried out in accordance with Belzona Know-How Leaflet VPF-13. Formers treated with Belzona® 9411 were used to form Belzona® 1111 to a thickness of 0.128" on each flange face to allow for leak free assembly.

## Belzona Facts

Replacement of the system at a cost of \$270,000 was considered but the Belzona alternative, which cost \$7,000, was chosen and design basis accident (DBA) testing provided the customer with a repair product which eliminated the expense of welding in new flanges which would have taken three weeks as opposed to the four days taken with the Belzona repair.

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

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