

BELZONA REFURBISHES 128 STAINLESS STEEL PIPE FLANGES

CUSTOMER

Nuclear Power Plant in New York

APPLICATION DATE

January 1996

APPLICATION SITUATION

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

PROBLEM

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

PRODUCTS

Belzona® 1111 (Super Metal)

SUBSTRATE

Stainless steel

APPLICATION METHOD

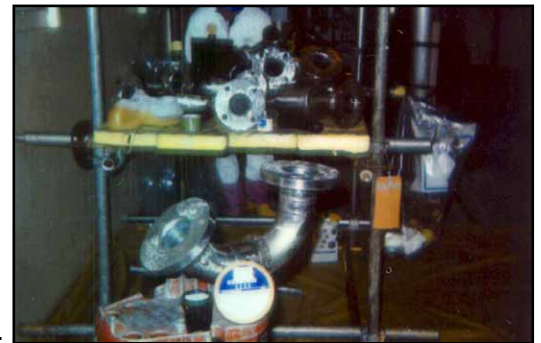
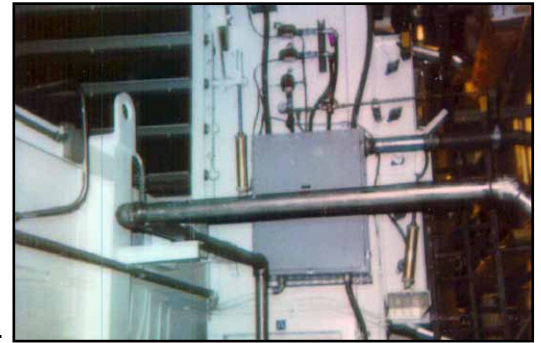
Application was carried out in accordance with Belzona Know-How System Leaflet VPF-13. Formers treated with Belzona® 9411 were used to form Belzona® 1111 to a thickness of 0.128" on each flange face to allow for leak free assembly.

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.

PICTURES

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



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



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