

MULTIPLE BELZONA REPAIRS TO 72" DIAMETER STEEL PIPE EMBEDDED IN CONCRETE

ID: 75

Industry: Power
Application: VPF-Valves, Pipes and Fittings
Substrate: Carbon steel (ASTM A283 grade C)
Products: * Belzona® 1311 (Ceramic R-Metal) ,
* Belzona® 1321 (Ceramic S-Metal) ,
* Belzona® 2111 (D&A Hi-Build Elastomer) ,
* Belzona® 4111 (Magma-Quartz) ,

Customer Location: Nuclear Power Plant in New Jersey

Application Date: February 1996

Problem

The 72" diameter steel pipe embedded in concrete was corroded and had developed through wall leaks.



Photograph Descriptions

- * View of the eroded pipe before work commenced ,
- * Completed application to steel pipe ,
- * Overall view of repair area showing patch repairs to concrete pipe and application to steel pipe in background ,

Application Situation

Service water system piping (condenser outlet pipe to cooling tower)

Application Method

Application was carried out in accordance with Belzona Know-How Leaflets VPF-1, VPF-2 and FPA-6.

Belzona Facts

The Belzona repair saved four additional outage days over alternative repairs saving an estimated \$4 million.

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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