

BELZONA STOPS TANK LEAK AT NUCLEAR POWER PLANT

ID: 5460

Industry: Power
Application: FBC-Fans, Blowers and Compressors

Customer Location: Northern Texas, USA
Application Date: October 2014

Substrate: Steel
Products: * Belzona 1291 (ES-Metal) ,
* Belzona 9431 (Instant Bridging Tape) ,
* Belzona 1111 (Super Metal) ,

Problem

Pinholes developed in the tank that is used for emergency backup water for refueling. After testing it was discovered that a large area of the 3/16" steel sidewall was only .050 thick.



Photograph Descriptions

- * Plugging active leak ,
- * Patching over Belzona 1291 ,
- * Applying Belzona 1111 with Belzona 9431 ,
- * Completed application ,

Application Situation

Pinhole Leaks and Thin Sidewall.

Application Method

The paint was removed and the surface was steel grit blasted to a 3 mil profile. Two of the pinholes were 1/2" in diameter and bolts with flat washers were coated with Belzona 1291 and placed into the holes. The third hole was 1/8" diameter and a sheet metal screw with a flat washer was coated with Belzona 1291 and placed into the hole. The first layer of Belzona 1111 was applied about 1/8" thick. Then Belzona 9431 was applied with the second coat of Belzona 1111.

Belzona Facts

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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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The planned refueling shutdown was able to start on time without delay, saving the plant millions.

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