

# 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

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

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