

BELZONA STOPS TANK LEAK AT NUCLEAR POWER PLANT

ID: 5460



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.

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

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

INDUSTRY

Power

LOCATION

Northern Texas, USA

APPLICATION DATE

October 2014

PRODUCTS

Belzona 1291 (ES-Metal)
Belzona 9431 (Instant Bridging Tape)
Belzona 1111 (Super Metal)

SUBSTRATE

Steel

PHOTOS

1. Plugging active leak
2. Patching over Belzona 1291
3. Applying Belzona 1111 with Belzona 9431
4. Completed application

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