

## BELZONA STOPS TANK LEAK AT NUCLEAR POWER PLANT

### CUSTOMER

Northern Texas, USA

### APPLICATION DATE

October 2014

### APPLICATION SITUATION

Pinhole Leaks and Thin Sidewall.

### 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.

### PRODUCTS

Belzona 1111 (Super Metal)

Belzona 1291 (ES-Metal)

Belzona 9431 (Instant Bridging Tape)

### SUBSTRATE

Steel

### 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.

### PICTURES

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

1.



2.



3.



4.



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