

BELZONA SEALS FLOATING TANK ROOF

ID: 1173



PROBLEM

There was substantial head pressure in the tank resulting in loss of product containment through the corroded seam. This was not only an operations concern, but an environmental and safety issue as well.

APPLICATION SITUATION

Overlapped welded plate on floating tank roof was trapping water allowing corrosion.

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet TCC-1.

The active leak was stopped with Belzona® 1291. Repair area leveled with Belzona® 1221. Over-coated taped off area with Belzona® 2111 to provide flexible seal.

Operatives wore air fed masks to meet safety requirements.

BELZONA FACTS

Cost was approximately \$3000 in labor and material for Belzona repair versus approx. \$300k to drain, gas-free tank, and do weld repair. Dollars associated with decreased production from down-time are also a factor, including costly potential fines from regulatory agencies due to atmospheric emissions from product containment loss.

INDUSTRY

Chemical & Petrochemical

LOCATION

Chemical Plant, Texas U.S.A.

APPLICATION DATE

November 2008

PRODUCTS

Belzona 1291 (ES Metal) Belzona 1221 (Super E Metal) Belzona 2111 (D&A Hi-Build Elastomer)

SUBSTRATE

Carbon steel

PHOTOS

1. Surface preparation of the seam
2. Belzona 1291 used to stop active leak
3. Area taped off and additional leak protection with Belzona 1221
4. Final coating protection with Belzona 2111

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

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