

BELZONA PROVIDES LONG TERM SOLUTION FOR FGD REACTORS

ID: 1608



PROBLEM

Reactor contains corrosive alkaline slurry of gypsum and lime. Coating required for corrosion protection.

APPLICATION SITUATION

Two large FGD reactors that are part of two wet FGD units in the great River energy power plant.

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet TCC-5. Application was completed using airless spray equipment.

BELZONA FACTS

The walls and floor were coated with Belzona® 5811. Due to higher temperatures ceiling and roof coated with Belzona® 5891. The applications have been carried out in stages over a 7 year period starting in 2000. Unit one was inspected in 2007 and found to be in excellent condition. Adhesion tests were performed on the walls of the reactor (oldest part of the coating) and found to exceed 1600 psi direct tension as per ASTM D4541.

INDUSTRY

Buildings & Structures

LOCATION

Power Plant, North Dakota

APPLICATION DATE

2000, 2001, 2006, 2007

PRODUCTS

Belzona 5811 (Immersion Grade)
Belzona 5891 (HT Immersion Grade)

SUBSTRATE

Carbon Steel

PHOTOS

1. Coating behind crust of slurry
2. Coating from 2000 application
3. Adhesion testing
4. Adhesion testing

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

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