

BELZONA FOR A CONCRETE COOLING TOWER BASIN

ID: 15



PROBLEM

Sulfuric acid is injected into the cooling water to stop M.I.C. (microbiological induced corrosion). This severely damaged the concrete due to chemical attack and erosion three to four inches deep.

APPLICATION SITUATION

A concrete the cooling tower basin

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How Leaflet TCC-9.

BELZONA FACTS

Although unplanned, the work was completed within the plant outage. The customer was impressed that this permanent repair was completed within a short time frame and during adverse cold weather.

INDUSTRY

Power

LOCATION

Nuclear Power Plant in the Northeast, U.S.A.

APPLICATION DATE

February 1997

PRODUCTS

Belzona 4911 (Magma TX Conditioner)
Belzona 4141 (Magma Build)
Belzona 4311 (Magma CR1)

SUBSTRATE

Concrete.

PHOTOS

1. The damaged area.
2. Close-up view of severe erosion, the application of product ready to commence.
3. The completed repair, cooling tower basin in operation.

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.

www.belzona.com

