

## BELZONA REVIVES 'MOTH-BALLED' POWER PLANT

### CUSTOMER

Power plant in southern California, U.S.A.

### APPLICATION DATE

May 2000

### APPLICATION SITUATION

A corroded 70-year-old cast iron water box.

### PROBLEM

The power plant was sold under California's power industry deregulation and was scheduled to be dismantled. The current energy crisis caused it to be called back on line, however, the water box for two of the units was severely corroded on the inside.

### PRODUCTS

Belzona® 1121 (Super XL-Metal)

Belzona® 5811 (Immersion Grade)

Belzona® 2211 (MP Hi-Build Elastomer)

### SUBSTRATE

Cast iron

### APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflets HEX-2, -3 and -5.

### BELZONA FACTS

The plant could not run without a 'new' water box. The only other solution was to literally replace the whole box and tube bundle. This would have taken six months and cost over \$3 million. The Belzona Solution allowed the utility to begin producing power for the lucrative market within days. Exterior condensation problems have also been solved.

### PICTURES

1. View of severe corrosion on the interior.
2. Rebuilding with nearly 1/8 of Belzona® 1121 over the entire surface of about 2,500 square feet.
3. Coating with Belzona® 5811.
4. Sealing edges of box to tube sheet with Belzona® 2211.



1.



2.



3.



4.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



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