

BELZONA RESTORES FOUR CONDENSER TUBE SHEETS IN FIVE DAYS

ID: 241

Industry: Power

Customer Location: Power plant in Denver, Colorado

Application: HEX-Heat Exchangers

Application Date: February 2000

Substrate: Bronze tube sheets, copper tubes, stainless steel inserts.

Products: * Belzona® 1121 (Super XL-Metal) ,
* Belzona® 1341 (Supermetalglide) ,

Problem

Insertion of new stainless steel sleeves caused ligament damage to the inlet tube sheets resulting in severe tube to tube sheet leaks and a forced outage.



Photograph Descriptions

- * Initial view of bottom of one tube sheet prior to grit blasting ,
- * Application of Belzona® 1121 and Belzona® 1341 underway ,
- * Completed tube sheet ready to go online ,

Application Situation

Condenser tube sheets of 350 MW generator - each contains 6, 453 tubes.

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet HEX-1. The entire application of all four tube sheets, including blasting, occurred within five days with a crew of approximately 28 men.

Belzona Facts

Shutdown of the #4 generator resulted in revenue losses of over \$140,000 per day. Not only did the Belzona crew cut the down time by 75%, the final application has resulted in the highest efficiency the unit has recorded in its entire operating history.

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

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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