

Relining of Cooling Water Heat exchangers

ID: 9576

Industry: Power

Customer Location: Point Lepreau New Brunswick

Application: HEX-Heat Exchangers

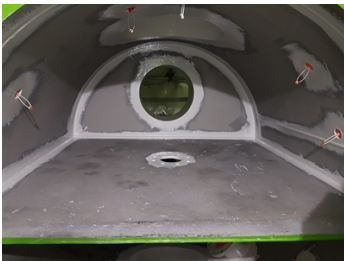
Application Date: March 2017

Substrate: Carbon steel

Products: Belzona 1311 (Ceramic R-Metal), Belzona 1331, Belzona 2111 (D & A Hi-Build Elastomer), Belzona 2141 (ACR-Fluid Elastomer), Belzona 2911 (Elastomer QD Conditioner)

Problem

Existing rubber lining was in need of replacement. Belzona was chosen to repair divider bar and reline waterbox and tubesheet. 1311 was used for repair work and 1331 was chosen as the lining. Joints between waterbox and cover/tubesheet were sealed with 2111 and 2141.



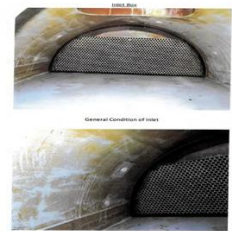
Application of Belzona 1331



Repaired divider bar



Full coat of Belzona 1331 being applied



Inspections after 6 years showed no signs of corrosion. The Belzona products were in excellent shape.

Application Situation

This nuclear facility was looking for a long term solution for corrosion protection in their raw sea water heat exchanger.

Application Method

Steel was abrasive blasted to SSPC SP10. Divider bar was repaired using a Belzona Applicator and a former. Lining was stripe coated by brush and two full coats applied by spray.

Belzona Facts

Belzona was chosen because of the history of excellent performance and support in this plant.

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

Belzona products are manufactured under an ISO 9000 Registered Quality Management System.

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