

# BELZONA MAIN INTAKE PUMPS

ID: 58

**Industry:** Power  
**Application:** CEP-Centrifugal Pumps  
**Substrate:** Aluminum, Bronze  
**Products:** \* Belzona®1311 (Ceramic R-Metal) ,  
\* Belzona®1321 (Ceramic S-Metal) ,

**Customer Location:** Nuclear Power Plant in Florida, U.S.A.  
**Application Date:** August 1996

## Problem

A hole in the diverter caused turbulence and erosion within the pump.



## Photograph Descriptions

- \* Hole in diverter is patched ,
- \* Work commences ,
- \* Erosion damage rebuilt with Belzona® 1311 (Ceramic R-Metal) ,

## Application Situation

Four main intake pumps at power plant

## Application Method

Application was carried out in accordance with Belzona Know-How Leaflets CEP-3, CEP-5, and CEP-6.

## Belzona Facts

The hole in the diverter was causing a power drop from 100% to 80%. This was costing the power plant \$140,000 a day. Conventional replacement would have taken 45 days. The Belzona repair was accomplished in 2 days including cure time.

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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