
**BELZONA[®] REPAIRS/PROTECTS
LP STEAM DIAPHRAGM**

CUSTOMER

Power Plant - North Carolina, USA

APPLICATION DATE

May 2004

APPLICATION SITUATION

Low Pressure Steam Turbine Diaphragm

PROBLEM

Erosion

PRODUCTS

Belzona[®] 1111 (Super Metal)

Belzona[®] 1591 (Ceramic HT Metal)

SUBSTRATE

Steel

APPLICATION METHOD

Application was carried out in accordance with a modified version of Belzona Know-How System Leaflets CEP-3 and -5.

BELZONA FACTS

Sheet metal shields were produced to go over the diaphragms. Welding was considered, but time and costs associated with that were prohibitive. They were able to avoid the excessive cost of welding and its extended downtime. The Belzona approach kept the equipment out of service only one week, thereby keeping the power plant on schedule during their planned outage.

PHOTOGRAPHS

1. /2. Erosion damage is evident.
3. Belzona[®] 1111 (Super Metal) in place.
4. Completed application.

