

# WICKET GATES REPAIRED WITH BELZONA

ID: 6002

Industry: Power  
Application: VPF-Valves, Pipes and Fittings  
Substrate: Steel  
Products: \* Belzona 1311 (Ceramic R-Metal) ,  
\* Belzona 1321 (Ceramic S-Metal) ,  
\* Belzona 9111 (Cleaner/Degreaser) ,

Customer Location: Montana, USA  
Application Date: 2000

## Problem

Surface preparation of a previous application was inadequate for the repair of these wicket gates. The coating was failing due to poor adhesion to an improperly prepared surface. Constant erosion and corrosion of these wicket gates caused repeated applications from time to time, but the service times were becoming too frequent in comparison to previous performance.



## Photograph Descriptions

- \* Poor surface preparation caused coating to fail ,
- \* Surface properly prepared ,
- \* Application of Belzona 1321 ,
- \* Three wicket gates coated ,

## Application Situation

Wicket gates at a hydroelectric power station.

## Application Method

The application was carried out in accordance with a modified version of Belzona Know-How System Leaflet VPF-1, VPF-2, and Belzona Instructions For Use.

## Belzona Facts

Hydroelectric Power station needed consultation on coating applications. Over time, maintenance practices were lost due to attrition of employees. Belzona consultant heard about the longevity of repairs becoming shorter on a visit to customer. Consultant

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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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came during next application and trained the application crew. The support of Belzona products from manufacturing to the end user prevented this customer from performing this maintenance technique more frequently than needed. Customer remarked seven years later how much of a difference the improvement in application made. Belzona product performance and customer service saved this hydroelectric company the expense of multiple applications, wear and tear on critical equipment, and potentially equipment failure.

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