

# Belzona Coats Filter Screens for a Hydro Dam

ID: 7523

Industry: Power  
Application:  
Substrate: Carbon Steel  
Products: \* Belzona 5811 ,

Customer Location: Red Rock Hydroelectric Dam Iowa  
Application Date: 2017

## Problem

Filter Screens filter debris sizes from the river to acceptable size that can go into the Hydro-power energy production process. Corrosion and impact from sedimentary debris deteriorated the gates over time letting in debris size hazards to the process and equipment.



## Photograph Descriptions

\* 1. 5811 ready for use 2. Filter Screen to be coated 3. Screen being coated 4. Finished Filter screens coated with 5811 ,

## Application Situation

Filter Screens for a Hydroelectric Dam that is being built were coated by Belzona Great Lakes in Toronto. The gates were then shipped to Iowa where they would be installed and in service.

## Application Method

Spray Applied airless plural component sprayer and brush applied in edges.

## Belzona Facts

Belzona 5811 was great preventive coating against corrosion to keep the integrity of the gates in tact over years so larger size debris won't get in that could damage the machinery. This damage could cost future tens of thousands of dollars in machine repair/replacement costs and downtime.

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FS 695214  
ISO 14001:2015  
EMS 695213

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