

BELZONA 5811 PROTECTS NEW TRASH RACKS AT A HYDRO PLANT

ID: 5979



PROBLEM

Other coatings and paint systems have not proven to have suitable longevity in this environment. Belzona has been successfully used by USACE to provide long-term protection from corrosion and from damage to the equipment operating under immersion and variable environmental conditions.

APPLICATION SITUATION

USACE is developing a new hydroelectric facility and part of the project involves the manufacture of 16 sections of trash rack. Each piece has a surface area of approximately 1100 sq.ft. The Hydroelectric Project is licensed at 36.4 megawatts (MW) of electricity, or enough energy to meet the needs of about 18,000 homes. The newly manufactured trash racks were specified to be protected from corrosion using Belzona 5811.

APPLICATION METHOD

High volume airless plural spray system

BELZONA FACTS

Previous coatings would be completed off site from the manufacturing site. This meant a delay in overcoating the prepared surface and loss of quality control by the in house staff. Using the Belzona system, the entire process can be completed in house, maintaining the quality. Another consideration and cost saving benefit to the use of the Belzona product is that the pieces can be manufactured in larger sizes and construction techniques since off site transport is avoided. Other coating alternatives cannot accommodate large pieces in their process.

INDUSTRY

Power

LOCATION

Paris, ON, Canada

APPLICATION DATE

December 2015

PRODUCTS

Belzona 5811 (Immersion Grade)

SUBSTRATE

Carbon Steel

PHOTOS

1. Fabricated trash rack with metal grating
2. Fabricated trash gate undergoing NDT inspection to welded joints
3. Belzona 5811 spray applied
4. Close up of Belzona 5811 spray applied to grating

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Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

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