

BELZONA RESCUES A 100-YEAR OLD PENSTOCK

ID: 5672

Industry: Power
Application: VPF-Valves, Pipes and Fittings
Substrate: Carbon steel
Products: * Belzona 1121 (Super XL-Metal) ,
* Belzona 5811 (Immersion Grade) ,

Customer Location: Hydropower, Northeastern USA
Application Date: 2007

Problem

100 plus year old steelwork was corroding from moisture. The problem was detected when installing new control valves and trash racks on penstocks.



Photograph Descriptions

- * Penstock embedded in concrete thrust block at base of the dam ,
- * Pinholes discovered during the work ,
- * Surface prepared by blasting ,
- * Completed application ,

Application Situation

Steelwork of 10 foot diameter penstocks in a Hydropower plant.

Application Method

The surface was properly prepared by abrasive blasting. First, the pits and holes were repaired with Belzona 1121 and then overcoated with Belzona 5811.

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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Belzona Facts

The plant was originally built in 1908 and the original steelwork showed significant exterior corrosion, thus operators feared that it would soon have pinholes. The plant was shut down for control upgrades so operators chose Belzona because of its reputation in similar situations.

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