

BELZONA RESCUES A 100-YEAR OLD PENSTOCK

ID: 5672



PROBLEM

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

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.

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.

INDUSTRY

Power

LOCATION

Hydropower, Northeastern USA

APPLICATION DATE

2007

PRODUCTS

Belzona 1121 (Super XL-Metal)
Belzona 5811 (Immersion Grade)

SUBSTRATE

Carbon steel

PHOTOS

1. Penstock embedded in concrete thrust block at base of the dam
2. Pinholes discovered during the work
3. Surface prepared by blasting
4. Completed application

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