

Belzona 2111 Restores Water Valve Weakened Expansion Joint at Power Plant

ID: 9894

Industry: Power
Application: VPF-Valves, Pipes and Fittings
Substrate: Rubber
Products: Belzona 2111 (D & A Hi-Build Elastomer), Belzona 2911 (Elastomer QD Conditioner)

Customer Location: Wilsonville, AL
Application Date: January 2025

Problem

Our client's water valve on one of the power units had sprung a small leak that measured around 2 inches long. The unit was as old as the plant (40+ years) and once drained, we had discovered dry rot/wear where the leak had appeared from pressure. The leak needed to be fixed and we wanted to also address the remainder of the expansion joint to prevent future leaks.



Completion Photo 1: Access into the valve provided a chance to apply Belzona 2911, 2111 directly on the inside of where the leak had occurred. These products applied after preparing the steel+rubber.



Completion Photo 2: Exterior view of Belzona 2111 applied to the entirety of the expansion joint



Completion Photo 3: Close Up of Exterior Repair



Completion Photo 4: Full View of Exterior Repair

Application Situation

The water valve was leaking causing a large amount of water to escape and Belzona offered a quick fix. The customer could bring the valve down and we repaired in half a day. They were able to go online the next morning.

Application Method

An MBX grinder and roughing brush were used to prepare the expansion joint and surrounding steel that needed to be addressed. Belzona 2911 conditioner and Belzona 2111 were mixed and applied with a brush and applicator.

Belzona Facts

Belzona offered a great solution that was relatively inexpensive. It offered an "in-situ" option that didn't require the removal of the valve.

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.

www.belzona.com


BELZONA
Repair • Protect • Improve