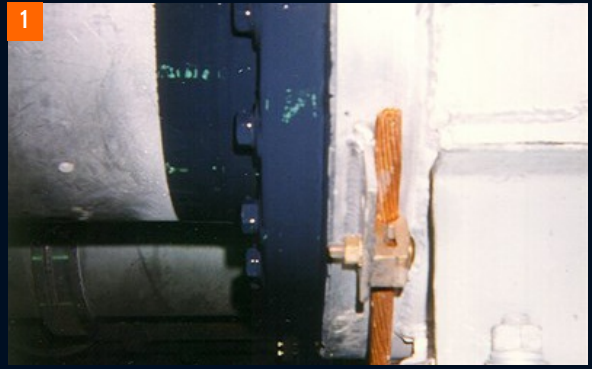


BELZONA ELASTOMERS SEAL SF6 GAS LEAKS AT HYDROELECTRIC FACILITY

ID: 1078



PROBLEM

The constant leakage of Sulphur Hexafluoride gas (SF6) was considered to be a major environmental problem being 25,000 times as effective a "greenhouse gas" as CO2. System is pressurized to 45 psi.

APPLICATION SITUATION

Leaking joints Gas Insulated Switchgear (GIS)

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet GSS-4. Pinholes in welds were coated with Belzona® 1321. Flanged joints were sealed with Elastomer using a combination of brush application and injection.

BELZONA FACTS

The Belzona materials applied in 1993 have proven completely effective with joints and welds sealed with Belzona materials remaining sealed for well over a decade now. SF6 consumption has dropped from over 50 bottles per year, to a mere two or three bottles—a saving in excess of \$1 million over the decade. Most importantly losses of SF6 into the atmosphere have been minimized, drastically reducing the environmental impact.

INDUSTRY

Power

LOCATION

Hydroelectric Facility, BC

APPLICATION DATE

1993

PRODUCTS

Belzona 2211 (MP Hi-Build Elastomer)
Belzona 2221 (MP Fluid Elastomer)
Belzona 1321 (Ceramic S Metal)

SUBSTRATE

Various metal substrates

PHOTOS

1. Belzona 2211 MP Hi-Build in the process of being injected into the gap between the two flanges
2. Another variation of a similar application
3. Another flange sealed

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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

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