

## BELZONA ELASTOMERS SEAL SF6 GAS LEAKS AT HYDROELECTRIC FACILITY

### CUSTOMER

Hydroelectric Facility, BC

### APPLICATION DATE

1993

### APPLICATION SITUATION

Leaking joints Gas Insulated Switchgear (GIS)

### 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."

### PRODUCTS

Belzona® 2211 (MP Hi-Build Elastomer)

Belzona® 2221 (MP Fluid Elastomer)

Belzona® 1321 (Ceramic S Metal)

### SUBSTRATE

Various metal substrates

### APPLICATION METHOD

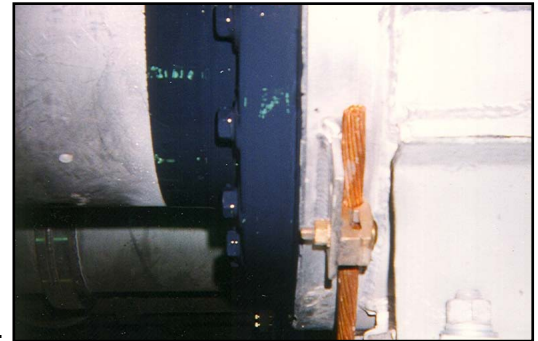
Application was carried out in accordance with Belzona Know-How System Leaflet GSS-4. Pinholes in welds were coated with Belzona® 1321. Flanged joints were sealed with Elastomer using a combination of brush application and injection.

### 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.

### PICTURES

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



1.



2.



3.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



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