

BELZONA PROTECTS DIFFUSER VANES

CUSTOMER

Irrigation District- Wyoming, USA

APPLICATION DATE

January 2008

APPLICATION SITUATION

Small hydroelectric plant feeding off an irrigation canal.

PROBLEM

The diffuser vanes were suffering from erosion/corrosion. Previous attempts were made to protect them using coal tar epoxies with limited success.

PRODUCTS

Belzona® 1321 (Ceramic S Metal)

Belzona® 1121 (Super XL Metal)

SUBSTRATE

Steel

APPLICATION METHOD

Application was carried out in accordance with Belzona System Leaflets CEP-3 and CEP-5. Belzona® 1121 was used to smooth out the edges of the vanes to rebuild metal loss. Belzona® 1321 was applied by stiff bristled brush to protect against further erosion/corrosion.

BELZONA FACTS

Alternative was to continue using coal tar epoxy applied every year and to manage the health and safety risks involved due to its make-up. Belzona was chosen for its 100% solids material and safety and increased service life.

PICTURES

1. Diffuser vanes before blasting
2. Diffuser vanes after blasting
3. Belzona® 1121 applied to smooth edges
4. Second coat of Belzona® 1321 applied



1.



2.



3.



4.

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



ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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