Know-How*in Action*

Vol.XXII No.29

BELZONA RENOVATES PUDDLE PIPES

CUSTOMER
Nuclear Power Station, UK

APPLICATION DATE
Summer 2006

APPLICATION SITUATION
Corrosion on seawater inlet pipe to cooling system for nuclear power station.

PROBLEM
Corrosion affects these pipes where the concrete pipe in the sea connects with the steel pipe into the power station and the previous ceramic based products had failed to give the level of protection that was needed. Very regular coating was needed to keep the situation under control.

PRODUCTS
Belzona® 1311 (Ceramic R Metal)
Belzona® 1321 (Ceramic S Metal)

SUBSTRATE
Mild steel

APPLICATION METHOD
Application carried out in accordance with Belzona System Leaflets VPF-1 and VPF-2. A 4-coat system was adopted by the power station to maximise longevity.

BELZONA FACTS
Trials were carried out at another power station with Belzona system pitted against two alternative suppliers (both ceramic based products). Belzona was found to be the clear winner when it came to erosion corrosion protection and therefore best value for money. Full life expectancy has yet to be determined. Due to location, full inspection is not appropriate but recent CCTV images show no corrosion to date. It is anticipated that the coating will give excellent performance for at least six years as opposed to previous recoating which was carried out every two years.

PICTURES
1. Scope of work
2. Grit blasted ready for application
3. Top section complete
4. The finished surface and joint line

1.

2.

3.

4.

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

Belzona products are manufactured under an ISO 9000 Registered Quality Management System.

UK • USA • Canada • China
www.belzona.com

BELZONA®
Repair • Protect • Improve

Copyright © Belzona International Limited 2011