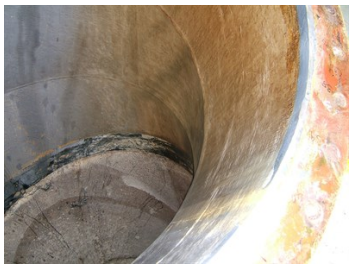
BELZONA RENOVATES PUDDLE PIPES

ID: 1296

Industry:	*Power*	Customer Location:	*Nuclear Power Station, UK*
Application:	*VPF-Valves, Pipes and Fittings*	Application Date:	*Summer 2006*
Substrate:	*Mild steel*		
Products:	* Belzona® 1311 (Ceramic R Metal) Belzona® 1321 (Ceramic S Metal) *		

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.



Photograph Descriptions

* Scope of work , * Top section complete , * The finished surface , * Inspection after 3 years shows no erosion damage ,

Application Situation

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

Application Method

Application carried out in accordance with Belzona System Leaflets VPF-1 and -2. A four coat system was adopted by the Power Station to maximise longevity.

Belzona Facts

Before full scale application, trials were carried out with Belzona system pitted against 2 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. Examined after 3 years no sign of erosion found. No problem seen in achieving required 6 year life. Previous recoating was carried out every 2 years.