

Vol. XXII No.29



Belzona Renovates Puddle Pipes



Scope of work



Grit blasted ready for application



Top section complete

The finished surface and joint line

STATISTICS

CUSTOMER Nuclear Power Plant, UK

APPLICATION DATE

Summer 2006

SUBSTRATE Mild Steel

PRODUCTS Belzona® 1311 Belzona® 1321

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.

APPLICATION METHOD

Application carried out in accordance with Belzona System Leaflets VPF-1 & 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 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. 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 6 years as opposed to previous recoating which was carried out every 2 years.

© Copyright 2007 by Belzona International, Ltd. All rights reserved. No part of this work covered by the copyrights herein may be reproduced or used in any form or by any means - graphic, electronic or mechanical including photocopying, recording, taping, or information storage and retrieval systems - without written permission of the publisher.

BELZONA INTERNATIONAL, LTD. Claro Road, Harrogate, North Yorkshire HG14DS England Tel: +44 (0) 1423 567641, Fax: +44 (0) 1423 505967 [®] Belzona is a registered trademark. BELZONA ASIA PACIFIC Rattakit Building 29/13 Moo 9 Sukhuvuvit Road Banglamung, Chonburi 20150, Thailand Tel: +66 38 378099, Fax: +66 38 378098 BELZONA, INC. 2000 NW 88th Court, Miami, Florida 33172, U.S.A. Tel: (305) 594-4994, Fax: (305) 599-1140 Printed from BEL

www.belzona.com