BELZONA REPAIRS STEEL PIPE ELBOW AT A POWER PLANT

ID: 5423

Industry: *Power*
Application: *SHM-Solids Handling Machinery*
Customer Location: *Pacific Northwest, USA*
Application Date: *September 2014*

Substrate: *Steel and concrete*
Products: ** Belzona 1311 (Ceramic R-Metal) ,*
** Belzona 1321 (Ceramic S-Metal) ,*

Problem

Very old pipe elbow needed to be replaced due to high corrosive pitting. It was close to having holes through to the concrete foundation of the historic building (power house).

Photograph Descriptions

* 1. Pipe elbow before the application ,
* 2. Pipe elbow after Sponge-Jet Blasting ,
* 3. Pipe elbow after application of Belzona 1311 ,
* 4. Pipe elbow after application of Belzona 1321 ,

Application Situation

Pipe elbow

Application Method

Sponge-Jet abrasive grit blasting was used to prepare the metal surface. Application was carried out in accordance with Belzona Know-How System Leaflet SHM-8.

Belzona Facts

Belzona provided the client with the solution to eliminate the outside environment to being able to affect the steel substrate. Due to time and the elements the pipe elbow was deteriorating. After preparation of the corroded metal surface using Sponge-Jet abrasive grit blasting, Belzona 1311 was applied and Belzona 1321 was then applied in two coats. This created a barrier and a smooth surface, and saved the client costs of having to retrofit a new pipe elbow, foundation alteration of a historic building, environmental challenges, and labor.

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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