

# BELZONA PROTECTS WASTEWATER PUMP

ID: 1216

Industry: Chemical & Petrochemical

Customer Location: Chemical Co, Texas

Application: CEP-Centrifugal Pumps

Application Date: 2007

Substrate: Carbon Steel

Products: Belzona® 1111 (Supermetal)<div>Belzona® 1321 (Ceramic S Metal)</div>

## Problem

Strong chemicals within the wastewater process were attacking pump components which caused pitting and degradation of the carbon steel substrate resulting in loss of performance, loss of pump efficiency and frequent pump replacement.



## Photograph Descriptions

\* Damaged wastewater pump head , \* Pump head rebuilt and coated , \* Damaged pump housing , \* Pump housing rebuilt and coated ,

## Application Situation

Wastewater pump in chemical company was experiencing severe corrosion from chemical attack.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets CEP-1 & -3.

## Belzona Facts

Annual replacement cost of pump was between \$15-20k. Belzona repair and coating was approximately \$1200. Two years later, the pump is exhibiting no signs of performance loss resulting in an estimated savings of \$30k.

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

ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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manufactured under an ISO  
9000 Registered Quality  
Management System.

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