

# STORM WATER PUMP PROTECTED WITH BELZONA FOR 10 YEARS

ID: 1262

Industry: Water / Wastewater

Customer Location: City Authority, South Eastern Virginia,  
USA

Application: CEP-Centrifugal Pumps

Application Date: 1998

Substrate: Cast Iron

Products: \* Belzona® 1321 (Ceramic S-Metal) ,  
\* Belzona® 5811 (Immersion Grade) ,

## Problem

Original pump deteriorated due to erosion corrosion. City decided to protect suction bell and diffuser with Belzona coatings before placing into service.



## Photograph Descriptions

- \* Suction Bell coated in 1998 ,
- \* Diffuser coated in 1998 ,
- \* Suction Bell in 2008 ,
- \* Diffuser in 2008 ,

## Application Situation

Replacement new vertical storm water pump

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets CEP-3 and CEP-4. New pump was disassembled at local repair facility. Suction bell and diffuser blasted and coated with Belzona® 1321 internally and Belzona® 5811 externally.

## Belzona Facts

City personnel were very unhappy with the short service life of original vertical storm water pump. To protect the new pump from the damaging effects of the erosion corrosion cycle, Belzona coatings were applied. The new pump was retired after 10years of

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

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

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successful service to replace it with a larger pump. An after service inspection revealed that 100% of the Belzona® 5811 was intact and 95+% of the Belzona® 1321 was intact.

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