

STORM WATER PUMP PROTECTED WITH BELZONA FOR 10 YEARS

CUSTOMER

City Authority, South Eastern Virginia, USA

APPLICATION DATE

1998

APPLICATION SITUATION

Replacement new vertical storm water pump

PROBLEM

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

PRODUCTS

Belzona® 1321 (Ceramic S-Metal)

Belzona® 5811 (Immersion Grade)

SUBSTRATE

Cast Iron

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 10 years of 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.

PICTURES

1. Suction Bell coated in 1998
2. Diffuser coated in 1998
3. Suction Bell in 2008
4. Diffuser in 2008

1.



2.



3.



4.



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



ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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