

# CAVITATED PUMP DIFFUSER RESTORED WITH BELZONA

ID: 1261

Industry: Water / Wastewater  
Application: CEP-Centrifugal Pumps  
Substrate: Cast Iron  
Products: \* Belzona® 1111 (Super Metal) ,

Customer Location: Theme Park, (Southeast) Virginia  
Application Date: March 2009

## Problem

Cavitation had caused severe metal loss to pump impeller and diffuser. New impeller was available but no diffuser available.



## Photograph Descriptions

- \* Severely cavitated diffuser ,
- \* Diffuser blasted and rebar tack welded in place ,
- \* Belzona® 1111 application ,
- \* Completed repair ,

## Application Situation

Theme park pond pump performing below requirements.

## Application Method

Application was carried out in accordance with Belzona System Leaflet CEP-1. Pump shop tack welded "rebar" into deeply cavitated areas. Belzona® 1111 applied to replace lost metal. Belzona machined to original diffuser dimensions.

## Belzona Facts

Old pump and new diffuser not available. \$450 of Belzona used to quickly and effectively repair this valuable component.

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

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