

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.

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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