

## CAVITATED PUMP DIFFUSER RESTORED WITH BELZONA

### CUSTOMER

Theme Park, (Southeast) Virginia

### APPLICATION DATE

March 2009

### APPLICATION SITUATION

Theme park pond pump performing below requirements.

### PROBLEM

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

### PRODUCTS

Belzona® 1111 (Super Metal)

### SUBSTRATE

Cast Iron

### 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.

### PICTURES

1. Severely cavitated diffuser
2. Diffuser blasted and rebar tack welded in place
3. Belzona® 1111 application
4. Completed repair



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



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

UK • USA • Canada • China  
[www.belzona.com](http://www.belzona.com)

