
BELZONA REBUILDS WASTEWATER PUMP IMPELLER

CUSTOMER

Water treatment plant, Des Moines, Iowa U.S.A.

APPLICATION DATE

May 2008

APPLICATION SITUATION

Pump impeller handling raw water.

PROBLEM

The impeller was badly eroded and damaged due to grit and solids running through the pump

PRODUCTS

Belzona[®] 1111 (Super Metal)

Belzona[®] 1321 (Ceramic S Metal)

SUBSTRATE

Steel

APPLICATION METHOD

The applications was carried out in accordance with Belzona Know-How System Leaflet CEP-1 & -3.

BELZONA FACTS

Belzona was chosen to rebuild the impeller at a fraction of the replacement cost.

PHOTOGRAPHS

1. Damaged impeller after being baked and grit blasted
2. Impeller with wire mesh in place to support Belzona and help form profiles
3. Profiles restored with Belzona[®] 1111
4. Rebuilt impeller being balanced

