



**Unconventional Solutions, Inc.**  
Partnering with Your Industry to Repair - Protect - Upgrade

# Leading Edge



**FEBRUARY 2024**

## Revitalizing a Major Water Plant's 1,500-HP Water Pump

A major water plant was facing a critical issue with their 1,500-horsepower water pump they needed industrial water pump corrosion repair. The pump, essential for the plant's operations, was suffering from severe erosion and corrosion. This damage not only threatened the pump's functionality but also risked significant operational downtime and high replacement costs. To address this challenge without resorting to an expensive replacement, the plant reached out to Unconventional Solutions (USI) for their specialized repair and protection services.

The water pump in question was constructed of steel – a material known for its strength and durability but also susceptible to corrosion and erosion, especially in high-moisture environments like water plants.

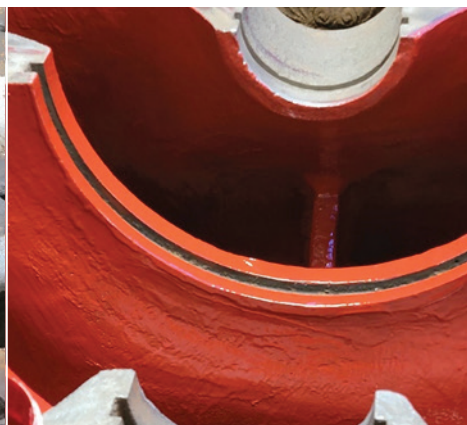
**Unconventional Solutions used a multi-step procedure to fix the industrial water pump corrosion, read more today.**



### Duomar SAR: Advanced High-Performance Rebuilding Ceramic Putty

Versatile easy-to-use rebuilding putty with excellent abrasion

and chemical resistance. This product is heavily filled with aluminum oxide and can be built up to an inch in thickness or more. Typical applications are for rebuilding of pump casings, slurry tanks, weld seams or anywhere requiring the restoration of metal components.



### Highland International 325R Zinc – Advanced 2-Component Zinc- Rich Epoxy Primer

Boasting an impressive 84% zinc dust content in its dry film,

this primer sets a new standard in metal protection. The innovative formulation of Highland International 325R Zinc is tailored to ensure its overspray dries to a powder within 10-20 feet from the point of application.



## Dates to Remember

**February 15**

**SEMPPE Meeting** at  
Whiskey's on the Water  
(Wyandotte, MI)

**February 26-28**

**Indiana Corrosion Society Under-  
ground Corrosion Short Course**  
(Fort Wayne, IN)

**March 3**

**AMPP Annual Conference + Expo**  
(New Orleans, LA)

**March 21**

**SEMPPE Presentation on  
The Inflation Reduction Act**  
(Bakers of Milford, MI)



### US Coatings VSC1200: Advanced High Solids Polyester Polyurethane Topcoat

This top-tier product is designed to deliver long-term protection and durability, making it ideal for a wide range of industrial applications. The US Coatings VSC1200 stands out with its unique formulation that incorporates Eastman TETRASHIELD™ resin technology.



**HOTSHOT & Same Day Local Deliveries available for orders placed by 12 p.m. EASTERN TIME**

MI HQ - 28056 Oakland Oaks Ct., Wixom, MI 48393 **248-735-7000**

OH 937-704-4220 | IN 219-733-0543 | [office@USIgroups.com](mailto:office@USIgroups.com) [www.USIGroups.com](http://www.USIGroups.com)

