



# Unconventional Solutions, Inc.

Experts in Repair and Protective Coatings

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[www.USIgroups.com](http://www.USIgroups.com)

## Project: Primary Sludge Pump Repair



### The Problem

This waste water treatment plant's primary sludge pump wasn't working to full capacity because of years of wear and erosion.

The plant was looking for an economical alternative to replacing the pump. They also wanted a solution that would repair the pump casing and return it to its original efficiency.

### Solution

Abrasive blasting was used on the pump housing. Then the pump was rebuilt to its original tolerances using **USI Ceramic Rebuild** and finished with two coats of **USI Ceramic Lining FG**.

**USI Ceramic Rebuild** is a solvent-free, high-performance metal repair compound developed for rebuilding metal components in fluid-flow environments that need a high level of corrosion and erosion resistance and optimum physical and mechanical strength.

**USI Ceramic Lining FG** is a solvent-free, high-performance fluid grade engineering resurfacing compound with a high level of abrasion and erosion resistance with optimum physical and mechanical strength for use in fluid-flow environments.

