

# BELZONA RECOVERS CONCRETE CLEAR WELL AT A 50-YEAR-OLD WATER PLANT

ID: 7464

Industry: Water / Wastewater

Customer Location: Water Plant, Rural Oklahoma, USA

Application: TCC-Tanks and Chemical Containment Areas

Application Date: March, 2017

Substrate: Concrete

Products: \* Belzona 4141 (Magma-Build) Belzona 4154 (Bulkfill Resin) Belzona 4911 (Magma TX Conditioner) Belzona 1121 (Super XL-Metal) ,

## Problem

This concrete clear well had 185 linear feet of hairline cracks and corners that were gradually crumbling off as well as exposed rebar.



## Photograph Descriptions

\* 1. Hairline cracks on the exterior of the concrete wall 2. Concrete surface preparation 2. Injection ports anchored with Belzona 1121 3. Belzona 4141 application ,

## Application Situation

Concrete clear well.

## Application Method

The surface was cleaned by sandblasting and ground out. Belzona 1121 was used to anchor injection ports along the cracks and were injected with Belzona 4154. The tops of the cracks were then sealed with Belzona 4911 Conditioner and Belzona 4141. The same products were used to rebuild and resurface the corners where they had deteriorated away.

## Belzona Facts

The total cost of this project at this small plant amounted to approximately \$10K in Belzona materials which is significant less than the cost of the complete reconstruction or neglecting the maintenance.

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ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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