

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

### CUSTOMER

Water Plant, Rural Oklahoma, USA

### APPLICATION DATE

March, 2017

### APPLICATION SITUATION

Concrete clear well.

### PROBLEM

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

### PRODUCTS

Belzona 4141 (Magma-Build)

Belzona 4154 (Bulkfill Resin)

Belzona 4911 (Magma TX Conditioner)

Belzona 1121 (Super XL-Metal)

### SUBSTRATE

Concrete

### 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.

### PICTURES

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



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