

# BELZONA PRE-STRESSED CONCRETE BEAMS

ID: 24

**Industry:** Oil & Gas  
**Application:** TCC-Tanks and Chemical Containment Areas  
**Substrate:** Pre-stressed concrete  
**Products:** \* Belzona® 4911 (Magma TX Conditioner) ,  
\* Belzona® 4111 (Magma-Quartz) ,

**Customer Location:** Oil Refinery in Canada  
**Application Date:** September 1998

## Problem

Concrete severely eroded over time.



## Photograph Descriptions

- \* Area of worst damage, re-bar and bottom metal spine being repaired. ,
- \* Application in progress. Note the polyethylene covered plywood being used as a former. ,
- \* Completed repair. ,

## Application Situation

Scale Beams of the refinery truck scale, originally installed in the 1970s.

## Application Method

Application was carried out in accordance with a modified version of Belzona Know-How Leaflet TCC-9.

## Belzona Facts

The cost of replacement versus repair of the beams was a key factor. The ability to force-cure the product with heat resulted in reduced downtime.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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9000 Registered Quality  
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