

# WASTEWATER VACUUM TRUCK INTERNAL COATING AND REPAIR

ID: 6393

Industry: Water / Wastewater  
Application: TCC-Tanks and Chemical Containment Areas  
Substrate: Steel  
Products: \* Belzona 5811 (Immersion Grade) ,  
\* Belzona 1321 (Ceramic S-Metal) ,  
\* Belzona 1812 (Ceramic Carbide FP) ,  
\* ,

Customer Location: Los Angeles, CA, USA  
Application Date: Summer of 2015

## Problem

*This damage was leading to failures within the intake pipe and corrosion was being found throughout the tank as a whole. If not addressed properly with the correct protection, the tank would eventually run to failure and require replacement.*



## Photograph Descriptions

- \* External view of the vacuum truck ,
- \* View of the damaged internal area ,
- \* Belzona 1812 applied to the opening/back opening door ,
- \* Belzona 1321 applied to the intake pipework and Belzona 5811 applied to the entire tank ,

## Application Situation

The wastewater and miscellaneous discharges of sewer compatible wastewater (MISC) were causing the interior of the vacuum trucks of the City of Los Angeles to corrode and become damaged from impact abrasion.

## Application Method

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

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The internal area was blasted to white metal and hand applied with two coats of each product to its respective area. Belzona 5811 was applied to protect the entire tank. Belzona 1321 was applied to the intake pipework. Belzona 1812 was then applied for abrasion resistance on the tank opening/back opening doors.

## Belzona Facts

The replacement cost for the tanks would be in excess of \$75,000 each (including labor) and the total Belzona application, which eliminated the replacement cost concern, was less than \$8,000 per tank.

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