

BELZONA SOLVES THROUGH WALL CORROSION ON SLUDGE BUFFER TANK

ID: 4712

Industry: Water / Wastewater

Customer Location: Sewage treatment site, UK

Application: TCC-Tanks and Chemical Containment Areas

Application Date: September 2013

Substrate: Glass coated mild steel

Products: * Belzona 1161 (Super UW-Metal) Belzona 5831 (ST-Barrier),

Problem

The sludge buffer tank was suffering from through wall corrosion at the vapour interface level. The tank could not be taken off line for an extended time which traditional repair methods would require due to demand. Any repairs would have to be carried out without hot works or the use mechanical equipment due to the risk of sparks.



Photograph Descriptions

* 1, Close up view of through wall defects 2, Plate bonding with Belzona 1161 3, Repairs coated with Belzona 5831 4, Inspection in 2015 ,

Application Situation

Sludge buffer tank fabricated from glass coated mild steel.

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet TCC-3. After cleaning the areas, surface preparation by hand abrasion was carried out. Repair plates pre-coated with Belzona 5831 were cold plate bonded over the through wall defects using Belzona 1161. Finally Belzona 5831 was applied to the entire repair areas.

Belzona Facts

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

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

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The client had only been able to run the Buffer tank at a reduced capacity of 65%. No other alternatives were deemed to provide a viable solution to the customers requirements. Belzona solution kept the site running with minimal disruption and was carried out without hot works or the use mechanical equipment so presenting no risk of sparks.

The job was inspected in 2015 and found to be in perfect condition.

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