

BELZONA PROVIDES PROTECTION FROM HOT GASES AT WATER TREATMENT PLANT

ID: 2167

Industry: Water / Wastewater
 Application: TCC-Tanks and Chemical Containment Areas
 Substrate: Stainless steel (AISI 304 L)
 Products: * Belzona® 1392 ,
 * Belzona® 4311 (Magma CR1) ,

Customer Location: Water treatment plant, Slovakia
 Application Date: March 2011

Problem

Sulphides, Sulphates, Chlorides, Ammonia, etc. in the gas caused pitting corrosion in the unit after 10 months.



Photograph Descriptions

- * General view of the reactor ,
- * Corrosion before repair ,
- * After grit blasting pitting corrosion clearly evident ,
- * Inspection after 6 months showed no damage or defects on the coating ,

Application Situation

Gases collected from the biological water treatment are processed in thermo-reactor and the gases at 75 – 130°C are corrosive.

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet TCC-5. After grit blasting and chemical cleaning, areas were coated with Belzona® 1392 or Belzona® 4311 (depending on temperature).

Belzona Facts

Based on high temperature and various chemicals present, Belzona solution was chosen. After more than 12 months in service no

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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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defects have occurred and equipment remains fully protected.

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