

Belzona Provides Protection from Hot Gases at Water Treatment Plant

ID: 2167

Industry: *Water / Wastewater* Customer Location: *Water treatment plant, Slovakia*
Application: *TCC-Tanks and Chemical Containment Areas* Application Date: *March 2011*
Substrate: *Stainless Steel (AISI 304 L)*
Products: *Belzona® 1392,*
Belzona® 4311 (Magma CR1)

Problem

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



Photograph Descriptions

1. General view of the reactor
2. Corrosion before repair
3. After grit blasting pitting corrosion clearly evident
4. 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 Instructions for use. 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 defects have occurred and equipment remains fully protected.

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

ISO 9001:2015
Q.09335
ISO 14001:2015
EMS 509612

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