H2S DAMAGED LIFT STATION REBUILT AND PROTECTED WITH BELZONA

ID: 7812


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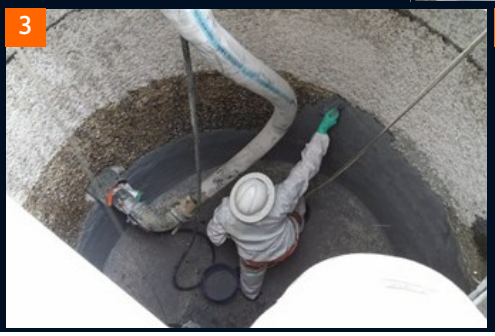
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PROBLEM
Concrete had no previous protective coating and showed damage due to H2S.

APPLICATION SITUATION
A lift station suffered from H2S damage.

APPLICATION METHOD
The application was carried out in accordance with modified versions of TCC-9 and TCC-15. Preparation consisted of pressure washing and blasting the concrete to clear out any loose or H2S damaged concrete. Belzona 4911 (TX Conditioner) was applied. NOTE:(a small ground water leak had formed during the application of Belzona 4911, Belzona 1212 was used from a supplied Belzona 1212 emergency kit with reinforcement sheet rolled up and pressed into the hole and sealed with more Belzona 1212 over it - this repair stopped the ground water and we continued the application of Belzona 4911). Then, Belzona 4131 (Magma-Screed) was applied to the walls. NOTE:(Belzona 4141 was used if the damaged was greater then 1/4" on the walls and applied to the ceiling of the lift station). Belzona 5811 was applied as a two-coat system.

BELZONA FACTS
The application was performed as an expensive alternative installation of a new lift station. The Customer was impressed with the performance of Belzona products from past Know-How in Action case studies presented.

INDUSTRY
Buildings & Structures

LOCATION
Florida, USA

APPLICATION DATE
Spring 2018

PRODUCTS
Belzona 1212
Belzona 4131 (Magma-Screed)
Belzona 4141 (Magma-Build)
Belzona 4911 (TX Conditioner)
Belzona 5811 (immersion Grade)

SUBSTRATE
Concrete

PHOTOS
1. Training of the application crew.

2. Technicians applying Belzona 4911.

3. Application of Belzona 4131 (Magma-Screed).

4. Final coat of Belzona 5811.