BELZONA PROTECT SPENT CAUSTIC REACTOR

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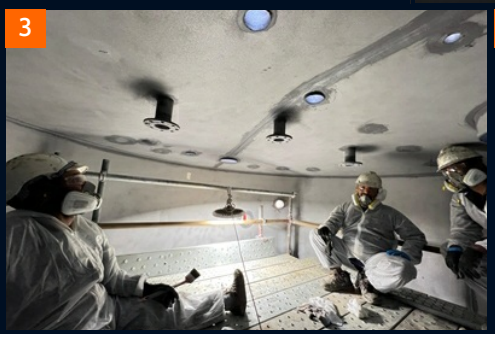

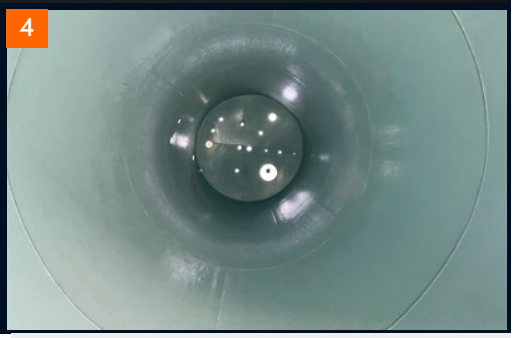

PROBLEM
The customer relied on the reactor to treat spent caustic, but the old lining system had failed, causing frequent shutdowns that resulted in losses of $20,000 per day. To address this issue, we recommended Belzona 1593 as a durable and effective solution.

APPLICATION SITUATION
The high cost of shutdowns due to the failure of previous coatings led the customer to seek a long-lasting solution. We conducted a thorough analysis of the old coating, including a root cause investigation, and proposed Belzona coating as the ideal long-term solution.

APPLICATION METHOD
The old coating was removed, and the surface was prepared through blasting to achieve a minimum profile of 75 µm and a near-white metal finish. Belzona 1511 was applied to smooth out welding joints, while Belzona 1593 was used to coat and protect the entire reactor.

BELZONA FACTS
Belzona has a dedicated global support team, allowing tank media to be analyzed by our R&D experts to ensure the optimal coating selection. In contrast, previous coatings from other brands were failing every three months. With Belzona, customers benefit from long-term protection, saving thousands of dollars in maintenance and downtime costs.

INDUSTRY
Chemical & Petrochemical

LOCATION
Dammam, Saudi Arabia

APPLICATION DATE
June 2024

PRODUCTS
Belzona 1511 (Super HT-Metal)
Belzona 1593

SUBSTRATE
Carbon steel

PHOTOS
1. Internal reactor body before coating
2. Close-up of the reactor manhole showing damage and corrosion of spent caustic over metal.
3. Belzona 1511 is applied
4. Final phase with Belzona 1593