

Corrosion Protection for an Out-of-Service Storage Tank on Sand Foundation using Zerust's Zerion® FAN-6 Corrosion Inhibitor

Project Specifics

Installation Dates

February 2022

Location

Illinois, USA

Environmental Conditions

Avg. Temp. 35°F, ~70% humidity, cloudy overcast with rain

Asset Details

Diameter: 38-ft

Vessel Construction: Single bottom, out-of-service, 4" sand foundation, no slope and liner

Inhibitor Delivery System (IDS)

None

Zerust Product(s) Used

Zerion® FAN-6 Corrosion Inhibitor

Project Details:

The original tank floor was removed for replacement, exposing the sand base, and the tank ceiling was absent. Installation used a top-dressing technique, spreading Zerion FAN-6 powder at an approximate rate of 400 grams per square meter, covering around 30 square feet before rain halted work. A metal sheet protected the treated area before departure.

Outcome & Recommendations:

Zerust left before completing the corrosion inhibitor application, which the contracted team would finish when the weather improved. After spreading FAN-6 on the sand base, the next step was installing a new tank floor, with Zerust recommending sealing the chime area using polyurethane construction adhesive.

