

Corrosion Protection of an Aboveground Storage Tank on Limestone/Coral Foundation by Internal Flood IDS

Project Specifics

Installation Dates
October 7-8, 2019

Environmental Conditions
Cloudy skies with rain increasing throughout the day.

Details
Vessel Diameters: N/A
Storage Product: Crude Oil
Vessel Construction: N/A
Foundation Details: Limestone/Coral Foundation

Inhibitor Delivery System (IDS)
Internal Flood IDS with ER Probe Monitoring

Zerust Product(s) Used
Zerion® FVS-B15
Injection Port Fittings Kit

Project Specifics

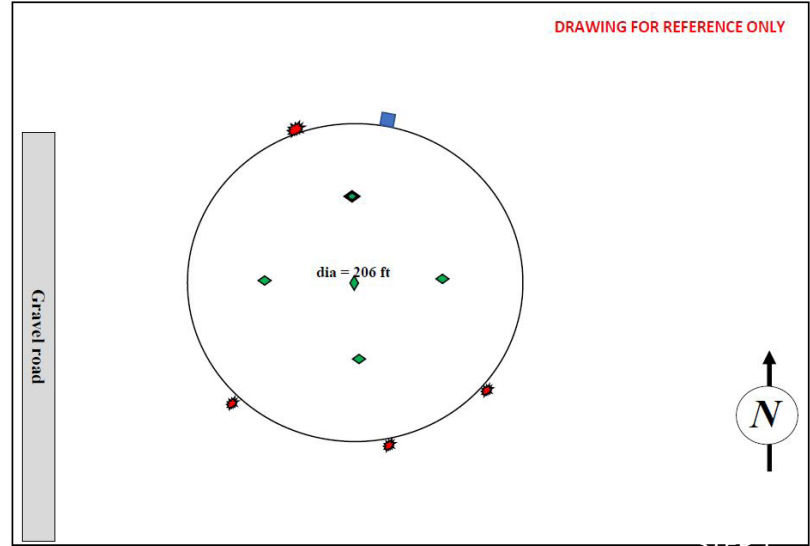
The client wanted corrosion protection for an aboveground storage tank on a limestone/coral foundation formerly containing crude oil.

Zerust Solution

The engineers at Zerust® Oil & Gas developed a custom solution for this client and successfully completed the injection of the corrosion inhibiting solution on their tanks using Zerust's Internal Flood IDS method.

Installation Process

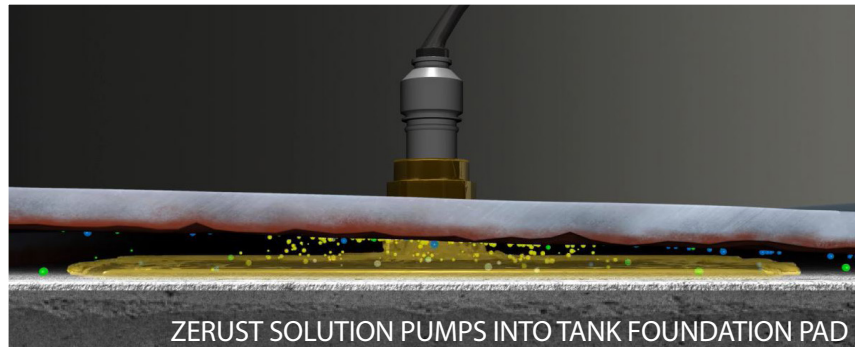
A large vessel formerly holding crude oil. Four steam lines emanating from the center with vectors of north, south, east and west. Helium ports were used as injection points for the FVS solution. One port was located at the center and four more were placed equidistant from the center at a 50 ft radius along each of the steam lines for a total of five. These were fitted with a coarse thread fixture enabling connection with a garden hose to distribute FVS solution from totes external to the tank.



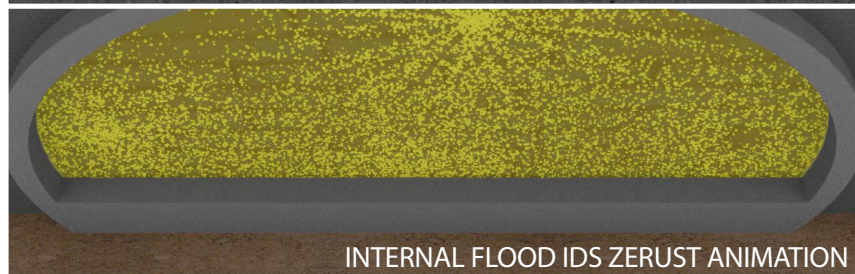
IDS INSTALLATION SCHEMATIC



ZERUST TANK ANIMATION



ZERUST SOLUTION PUMPS INTO TANK FOUNDATION PAD



INTERNAL FLOOD IDS ZERUST ANIMATION