

Corrosion Protection for an Out-of-Service Petroleum Storage Tank on Concrete Foundation by Underside Injection

Project Specifics

Installation Dates

January 8, 2019

Environmental Conditions

Light Winds, Snow mixed with rain, Icy conditions.

Details

Vessel Diameters: 134 Feet

Storage Product: Petroleum

Vessel Construction: Out-of-Service, (8) Leak Detection Ports, Concrete Ring Wall

Foundation Details: Concrete Foundation with Trenches

Inhibitor Delivery System (IDS)

Underside Injection IDS with Corrosion Monitoring Coupons

Zerust Product(s) Used

Zerion® FVS-B15



Project Specifics

The client wanted corrosion protection for an out-of-service petroleum aboveground storage tank on a concrete foundation with trenches, existing leak detection ports, and concrete ring wall.

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 Underside Injection IDS method.

Installation Process

There were nine ports available for injection. Two of the ports were in immediate proximity with each other. It was decided not to inject into both. Thus, only eight ports were used for injection. This is illustrated in the figure below. The double bottom tank have been sufficiently welded not to allow for leaks. The area was monitored for other leaks, and none were found. Each port was injected independently, and each received 100 gallons.

