

## Corrosion Protection for an In-Service Gasoline Storage Tank with Liner on Sand/Soil Foundation by Underside Injection

### Project Specifics

Installation Dates  
May 21, 2019

Environmental Conditions  
Partly cloudy, humid, no rain.

Details  
Vessel Diameters: 50 Feet  
Storage Product: Gasoline  
Vessel Construction: In-Service, (5) Leak Detection Ports, HDPE Liner or Equivalent, Existing Chime Seal, Dike  
Foundation Details: Sand/Soil - Saturated

Inhibitor Delivery System (IDS)  
Underside Injection IDS with ER Probe Monitoring System

Zerust Product(s) Used  
Zerion<sup>®</sup> FVS-B15  
ER Probe Monitoring Kit



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Injection was completed using three of the four available leak detection ports. Zerion FVS corrosion inhibitor were mixed with water for the injection process.

During the injection, minor leaks were observed coming from the gap between the new floor and the old shell. All leaks were contained using spill socks, and decrease of pumping pressure as necessary.

Injection was not done on the fourth port due to its proximity to an open CP port.

Electrical Resistance (ER) probes were installed the next day in two of the ports. Port A and port B were confirmed functioning as normal.

