

Corrosion Protection for an In-Service Benzene Storage Tank on Compacted Sand/Soil Foundation by Underside Injection

Project Specifics

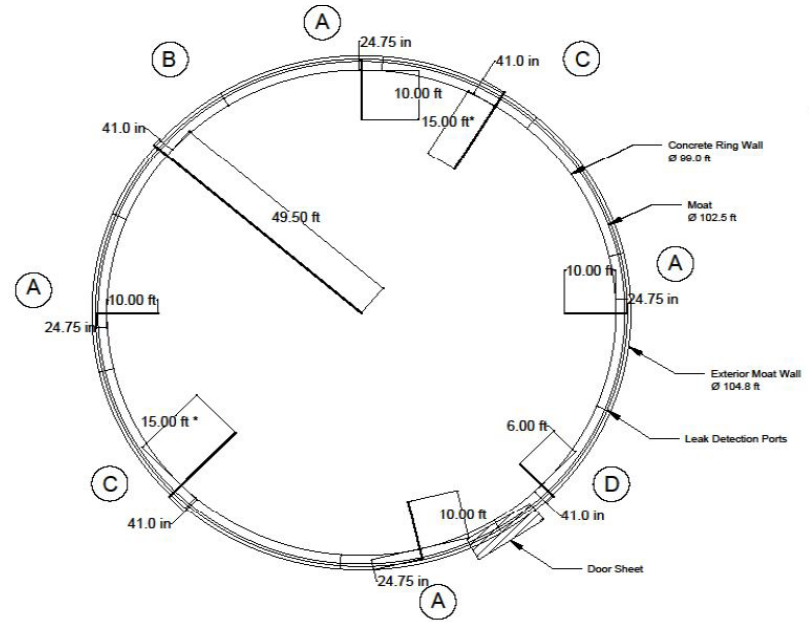
Installation Dates
September 24-25, 2019

Environmental Conditions
Sunny, humid, but no rain.

Details
Vessel Diameters: 99 Feet
Storage Product: Benzene
Vessel Construction: In-Service, (4) Leak Detection Ports, HDPE Liner or Equivalent, Existing Chime Seal, Concrete Ring Wall, Dike
Foundation Details: Compacted Sand/Soil Foundation ~18" Depth

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

Zerust Product(s) Used
Zerion® FVS-B15



TANK SCHEMATIC



ER PROBE ENCLOSURE



INHIBITOR INJECTION SETUP

Project Specifics

The client wanted corrosion protection for an in-service Benzene filled aboveground storage tank on a compacted sand/soil foundation with (4) existing Leak Detection Ports.

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

Corrosion inhibitor injection was completed on 9/24/2019 and 9/25/2019 using all four of the available leak detection ports. Approximately 400 gallons was injected into each port