

Corrosion Protection for Seven In-Service Ethanol/Methanol Storage Tanks by Underside Injection or Chime Ring Dry IDS

Project Specifics

Installation Dates
July 18, 2019

Environmental Conditions
Sunny, humid, no rain.

Details
Vessel Diameters: 80 Feet (2 Tanks), 30 Feet (3 Tanks),
and 12 Feet (2 Tanks)
Storage Product: Ethanol, Methanol
Vessel Construction: In-Service, Anchor Bolt(s), Cathodic
Protection (CP) System, Concrete Ring Wall, Dike.

Foundation Details: Concrete Slab

Inhibitor Delivery System (IDS)
Underside Injection IDS (5 Tanks)
Chime Ring Dry IDS (2 Tanks)
Corrosion Monitoring Coupons (All Tanks)

Zerust Product(s) Used
Zerion® FVS-B15

Project Specifics

The client wanted corrosion protection for seven in-service ethanol and methanol aboveground storage tanks on concrete slab with anchor bolt(s), concrete ring wall, dike, and CP system.

Zerust Solution

The engineers at Zerust® Oil & Gas developed custom solutions for this client, and with the support of local contractors, successfully completed the injection of the corrosion inhibiting solution on their tanks using Zerust's Underside Injection and Chime Ring Dry IDS methods.

Corrosion Monitoring

Corrosion monitoring coupons were installed beneath each tank.

Corrosion inhibitor powder shall be injected by the contracted team beneath the 80-ft and 33-ft diameter tanks, while corrosion inhibitor sleeve assemblies shall be installed around the two (2) smaller methanol tanks.

