

Pipe Casing Injection for Corrosion Protection of 6 Casings using Zerion[®] FVS Corrosion Inhibitor Powder & Gel

Project Specifics

Installation Dates
August 21, 2020

Location
Louisiana, USA

Environmental Conditions
Cloudy, rain 50% humid, and ~86°F.

Pipe Casing Construction Details (All 6 Casings)
Casing Diameter: 42"
Pump Barrel: 36"
Length: 42'

Zerust Product(s) Used
Zerion[®] FVS Corrosion Inhibitor Powder
Zerion[®] PGH-300 Corrosion Inhibitor Gel

Vessel Assessment

The vent pipes were installed by the client as following: the fill lines North (away from the main entrance and the Mississippi river) and the vent lines south (towards the main entrance and the Mississippi river).

It should be noted that during the injection, the air pressure inside the casings was monitored up to an acceptable integrity of 10 PSI.

Project Summary

The 2" vent pipe used for the injection had to be fitted with Y-section bypass and air pressure relieve adapter. A threaded coupler with Banjo type fitting was used to connect eductor filling equipment. The other 2" vent pipe only was used for monitoring and to purge the air from the casing during VCI/Gel injection.

Conclusion

The injection went very well. FVS solution was mixed with water; PGH-300 was added to the inhibitor slurry during the injection. A person stood watch over the opposite side of the pump to see if there was any discharge. The discharge material was not reported and injection of slurry was completed. Each pump casings was filled up to 85% with VCI/Gel slurry.

