

US Regulatory Status and Results of Using Vapor Corrosion Inhibitors to Protect Shorted Pipe Casing from Corrosion

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ABSTRACT

The use of pipe casings to protect the carrier pipe and environment has been the standard for years. As these carrier pipes and casings age, and shorts occur, corrosion mitigation is a great concern as the costs of maintenance and replacement have increased significantly.

NACE and PHMSA (DOT) have ratified the use Vapor Corrosion Inhibitors (VCI's) as a corrosion mitigation strategy, and has outlined the specifics regarding the method of delivery of VCI into the annulus of the casing. There are options available to pipeline owners depending on the condition and specifications of each pipe casing.

This presentation will focus on what the regulations say and how they describe Multiphase delivery options including: "Dry Powder", "Gel" and "Slurry" applications and when to choose each. Case studies will be shared from the most common Gel applications.