

Saudi Aramco

Case Study- Buried Pipeline

Fast curing, corrosion resistant coating system protects pipelines from corrosion below ground.



CUSTOMER

Saudi Aramco
Pipeline Corrosion Prevention
Saudi Arabia
2005

PROJECT TEAM

EcoSeal, LLC. via Middle East - Contractor.

PROJECT OVERVIEW

In 2005, Saudi Aramco conducted anti-corrosion test using ES 300. A section of one of their pipelines was unearthed in the desert, a section was taped off, abrasive-blasted clean, and coated with our ES 300 Corrosion Prevention Coating. After coating the section with Rhino, the pipe was buried once more and left undisturbed. The section was inspected after the six (6) months, and again after two (2) years, and no deterioration of the ES 300 System was present. Small sections of the coating were manually removed to inspect the underlying substrate, and no corrosion had occurred beneath the membrane system.

CONSIDERATIONS

Corrosion Prevention: The ES 300 Corrosion Prevention System was utilized to eliminate the breakdown of metal in a pipeline application. ES 300's elastomeric properties, tenacious adhesion, heat resistant properties, and fire retardant attributes were ideal to protect Aramco's pipeline from corrosion. The fact that the membrane forms instantly upon contact with the pipeline, is touch-dry in minutes and achieves complete chemical cure in 24 to 48 hours was another critical benefit in protecting the pipeline from the harsh below grade desert environment.

SYSTEM PRODUCTS

ES 300: Polymer-modified elastomeric system that is specifically formulated for long-term environmental, anti-corrosion protection. ES 300 forms resilient, puncture-resistant, environmental envelope most any structure or surface.

