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## Project: Compressed Air Pipe



### The Problem

A company that supplies atmospheric and specialty gases to a wide range of industries including aerospace, chemical, oil, gas, refining and other areas of general industry was experiencing heavy corrosion on a compressed air pipe.

The company was looking for an option that would save them time, money and adhere to strict EPA regulations. USI recommended Viscotaq E-Z wrap, Coat wrap, Outerwrap and 3M Scotchkote Poly-Nox, formerly Thortex Poly-Nox for their minimal surface prep (no sand blasting), corrosion resistance, VOC free and encapsulation capabilities.

### The Solution

First, 200 feet of pipe was hand scrapped and abraded to remove lattice and flaking paint. The pipe was wrapped with Viscotaq E-Z Wrap, a paintable 70 mil tape that provides immediate adhesion, is a-polar, rejects water and has no cure time. The pipe was then painted in the company's signature color.

At the soil to air transition, the pipe again was hand scrapped and abraded. Viscotaq Coat Wrap was then applied to the pipe from the phalange to the yellow jacket (about 7ft). After proper adhesion, Viscotaq heavy-duty Outerwrap was applied as a rock barrier to protect the pipe during backfilling.

All pipe supports were coated in 3M Scotchkote Poly-Nox. Poly-Nox is a single component, water-based, anti-corrosive coating.

At a fraction of the cost of traditional methods, the company was extremely happy with the results of this project and has decided to use these products in their other facilities.



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