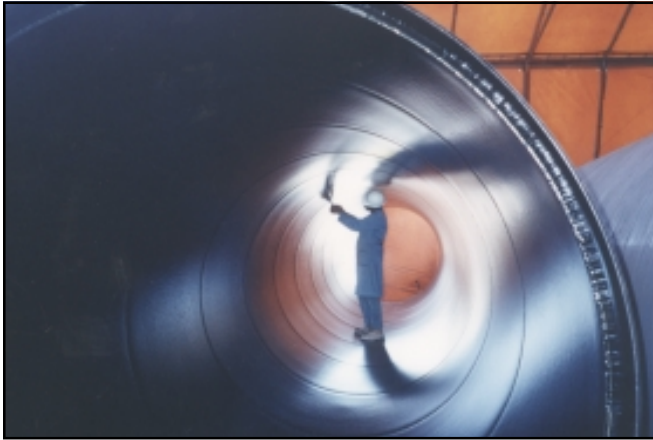


# Barrick Strikes Gold!!



Inspection of the steel pipe, internally lined with Madison's Corropipe II UltraLiner 15 minutes after application.

Barrick GoldStrike Mines found more than just a pot of gold at the end of the rainbow with Madison's 100% solids polyurethane Corropipe II UltraLiner.

Barrick GoldStrike is the world's third largest gold mine operation and the largest in North America, producing over 1.2 million ounces of gold in 1995. The company operates 10 mines in the United States, Canada and South America and employs over 5000 people.

A recent internal inspection of a three year old 72" (1800 mm) effluent pipeline at Elko, Nevada showed excellent performance results. The pipe is internally lined with Corropipe II UltraLiner, one of Madison's two component, quick setting, solvent free internal coating systems for pipelines.

In their 1996 inspection Barrick GoldStrike's Engineering Staff reported no deterioration of Madison's polyurethane coating whatsoever, in three years of continuous operation. Normally, under these condi-

tions, typical coatings would exhibit blistering, rust 'bleedthrough' and undercutting (around damaged or uncoated areas). The effluent carried in this 4 mile (6.4 km) steel pipeline is more aggressive than most. It flows at an average speed of 10 feet/second (3 m/s) and at temperatures of 140°F/60°C. By comparison, common municipal sewer force mains operate at 3-5 feet/second (1-1.5 m/s) and 70°F/20°C.

The spiral welded steel pipe has a 5/16" wall and was manufactured in 40' (12 meter) lengths by Ameron Inc. at their Tracy, California plant. The internals of the pipe were blasted and lined by an outside contractor and shipped to Nevada.

The applicator applied UltraLiner in a single coat of 20 mils using a spinning spray nozzle mounted onto a motorized cart that was driven down the center of the pipe. This method provided extremely consistent application rates throughout the job.

UltraLiner's fast cure rate and ease of application allowed the applicator to line the entire 256,000 square feet (24,000 sqm) in under 5 weeks, with an average production rate of over 16,000 square feet (1500 sqm) per 12 hour shift.

Within 10 minutes of application, the coating was inspected for dry film thickness, adhesion and holidays. The results achieved were uniform thickness throughout, an average of only one holiday for every 10 pipes and adhesion values of approximately 2000 psi or greater.

Madison's Corropipe II UltraLiner is one of a dozen lining and coating systems tailored for use on steel, ductile iron and concrete pipe carrying almost any liquid from potable water to wastewater to harsh chemicals.



Madison Chemical Industries, Inc.

The World Leader for Infrastructural Coatings™

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