



**Case Study Category:** CADW

**Case Study Title:** Large Diameter Waterline Rehabilitation with Spray-Applied Polyurea Lining in Aurora, Colorado

**Utility Name:** Aurora Water

**Case Study Abstract:** Large diameter pipelines have a set of unique challenges associated with their renewal. The Griswold Potable Water Pipeline in Aurora, Colorado is a 66-inch welded steel pipeline that is suspended along the Cherry Creek Dam spillway channel. The original lining of this pipeline was a combination of both shop- and field-applied tar coal epoxy material in various states of condition. The final recommendation was to repair the pipeline by applying an internal, non-structural coating to prevent corrosion from further degrading the steel material. This case study provides an overview of the utility and pipeline condition and then discusses each of the repair technologies considered for the repair project. It also briefly addresses the cost factors and lessons learned from the relining project.

**Case Study Link:** <http://www.waterid.org/content/large-diameter-waterline-rehabilitation-spray-applied-polyurea-lining-aurora-colorado>