



**Case Study Category:** CAWW

**Case Study Title:** Rehabilitation of Large Diameter Gravity Sewer with Spiral Wound HDPE Liner in Salt Lake City, Utah

**Utility Name:** Salt Lake City Department of Public Utilities

**Case Study Abstract:** Hydrogen sulfide attack is a serious problem for concrete pipelines, especially those that were not lined with a protective coating at the time of installation. The Salt Lake City, Utah Department of Public Utilities (DPU) for Wastewater Services determined during a 6-mile pipeline condition assessment that a 66-inch reinforced concrete pipe (RCP) was severely deteriorated due to hydrogen sulfide attack. The pipeline was located in the downstream reaches of the wastewater system, close to the wastewater treatment plant (WWTP), automatically making it a more critical pipeline to keep up and running. There were also a number of other challenges to face associated with the location of the pipeline along wetlands and beneath both railways and an interstate. This case study looks at the renewal engineering technology chosen to rehabilitate the pipeline and how it allowed the DPU to face the challenges that the large diameter pipeline renewal project presented.

**Case Study Link:** <http://www.waterid.org/content/rehabilitation-large-diameter-gravity-sewer-spiral-wound-hdpe-liner-salt-lake-city-utah>