



Case Study Category: CADW

Case Study Title: Acoustic Monitoring of a 54-inch PCCP Raw Water Transmission Main by Aurora Water in Aurora, Colorado

Utility Name: Aurora Water

Case Study Abstract: In March 2008, the Pressure Pipe Inspection Company (PPIC) was contracted by Aurora Water to provide Strategic Risk Monitoring services for a portion of a raw water transmission main using its Acoustic Emissions Technology and Remote Transient Pressure Monitoring. Data was collected for a portion of the transmission main. After analysis, three wire related events and 145 transient events were detected. Based on the large number of transient events, PPIC recommended that periodic remote field transformer coupling inspections be performed on this line, and that hydraulic modeling and operation assessment be implemented.

Case Study Link: <http://waterid.org/content/acoustic-monitoring-54-inch-pccp-raw-water-transmission-main-aurora-water-aurora-colorado>