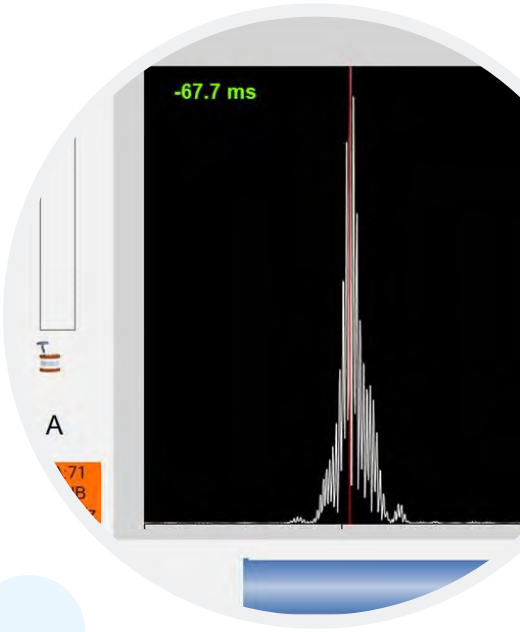
Project story

Water loss reduction at the City of Clyde, Kansas, USA

HL 7000-US-Pro

Electro-acoustic leak detection



Description

The City of Clyde, Kansas, contacted Kansas Rural Water Association (KRWA) Circuit Rider Greg Metz requesting assistance for a leak investigation. Greg Metz made himself available the same day on site. The City of Clyde is located in Clay County in north-central Kansas.

The City uses groundwater as the main source of water supply. The water plant provides continuous disinfection. City operators had noticed an excessive amount of water coming out of a storm drain into a creek and the usage at the water plant had significantly increased the day before.

Circuit Rider Greg Metz was able to utilize Kansas Rural Water Association equipment (SebaKMT HL 7000 ground mic) to identify a leak sound on a four-inch main just up the street from the storm drain. Greg returned the next day and with the help of the SebaKMT P-1 / HL 6000 pinpointing correlator and the wind protected ground mic HL 7000, he was able to pinpoint the leak within 1 inch. The leak was estimated to be more than 20 gallons per minute of lost drinking water.

Following the repair of the leak, the discharge from the storm drain discontinued. The cost of drinking water is approximately $2.00 per 1,000 gallons (production cost). The daily loss was more than 20,000 gallons. The annual cost of the leakage would be approximately $20,000. The loss of water revenue is much higher. The KRWA helps cities with less than 10,000 people to keep their water supply under control.

Project

Water loss reduction of City of Clyde, Kansas (USA)

Customer

KRWA

KANSAS RURAL WATER association
Quality water, quality life

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