Goal Zero Water Loss: Key Drivers to a Successful Non-Revenue Water Program, Reduced Operational Costs and Maximized ROI

Presented by the New Jersey Water Association, Kamstrup Metering, GUTERMANN, and Team EJP.

Breakfast and Lunch will be provided courtesy of E.J. Prescott, Inc.
PLEASE NOTE THAT THIS CLASS BEGINS AT 8:00 AM

Course Description:

The course covers advanced leak detection technologies for water utilities. It explains how smart meters with integrated acoustic solutions can autonomously detect leaks in distribution networks, providing near-real-time notifications and simplifying leak localization. Additionally, it presents on leak detection systems that use sensitive acoustic sensors and data analytics to reduce non-revenue water, offering continuous monitoring and integration with GIS and SCADA platforms for enhanced network management. The course highlights the benefits of early leak detection, cost reduction, and improved response times for utilities.

Agenda

7:30 – 8:00 Sign-in/Breakfast
8:00 a.m. – 9:30 a.m. Dan McGuire and Jake Piccioni from Kamstrup Metering will explain how smart meters with integrated acoustic solutions can autonomously detect leaks in your distribution network. These meters not only find leaks on service connections but also on water main lines, up to half a mile away. They record acoustic noise signatures and alert utilities to both existing and growing leaks.
This solution features patented acoustic leak detection integrated within the meter, with no external wires, that listens and records daily for 20 years. The presentation will cover case studies from various U.S. utilities that have successfully used these meters to identify leaks, including those on 14" water mains.
Utilities benefit by receiving near-real-time notifications, reducing costs, and simplifying leak localization. The software platform includes water loss calculations, enabling easy tracking, repair, and reporting to Utility, City Council, or State Agencies.
9:30 a.m. – 9:45 a.m. Break
9:45 a.m. – 11:15 a.m. Eric Galosi from GUTERMANN will present on leak detection systems helping utilities reduce non-revenue water through advanced acoustic monitoring and data analytics.
These systems use sensitive acoustic sensors to detect water leaks early, reducing excavation and repair time. Utilities can continuously monitor pipe conditions using fixed base noise loggers that alert operators to potential leaks, minimizing the need for manual inspections. This 24/7 monitoring is effective in identifying hidden underground leaks. Gutermann systems integrate with GIS and SCADA platforms for visualizing leak locations, enhancing network management and response times. Deployment models suit any utility size or budget, including mobile units, semi-permanent loggers, and permanent solutions.
11:15 am. Conclusion, Paperwork and Lunch

Locations and Dates:

July 23, 2025 – Hyatt House Parsippany-East, 299 Smith Road, Parsippany, Morris County.

Presenters:

- **Dan McGuire** serves as Regional Sales Director at Kamstrup, bringing over 30 years of experience in the water metering industry. His expertise spans business development, product management, and account oversight, with a strong emphasis on customer relations and strategic partnerships.
- **Jake Piccioni** is a Solution Manager at Kamstrup, where he supports utilities across the Northeastern United States. He joined the company in 2024 following successful field experience in AMI/AMR deployments, training, and system integration for municipal clients.
- **Eric Galosi**, Technical Director at Gutermann Americas, oversees all aspects of leak detection system implementation across North and South America. With over two decades of municipal waterworks experience, he provides expert guidance in field operations, training, and technical support.

Accreditation:

3.0 Training Contact Hours for NJ-Licensed Water Operators: TCH Course Number 04-062501-10
3.0 Hours toward license renewal for NJ Certified Public Works Managers: DLGS-NJWA-288 (3.0 Technical)

Registration is required and is free-of-charge at www.njwater.org

Please plan to arrive at 7:30 am.

NJ WATER ASSOCIATION