MIDWEST METER INC.

Badger Meter

Benefits of Remote Monitoring Systems

Midwest Meter and Badger Meter are pleased to present on the benefits of using remote monitoring systems for water treatment and distribution systems. These monitoring systems provide near real time data, alarms and other situational information that allow utilities to proactively manage their water networks. One half of the program will focus on water quality monitoring, and the other half will focus on the use of pressure monitoring, CSO/SSO, I&I and other monitoring tools, across the treatment and distribution processes.

Badger Meter Speakers

Doug Vermillion, George Elaro & Sean Lacaille

Drinking Water Quality Monitoring

- Drinking water quality monitoring within the distribution network such as battery-powered, reagent-free solutions which allow for remote sampling and alerting using cellular communications.
- Online water quality instrumentation applicable for all aspects of drinking water treatment, including source water monitoring, process control and treatment optimization.
- Water quality monitoring capabilities for wastewater pre-treatment and in-plant process control, including aeration optimization.

Distribution & Collection Systems Monitoring

- Pressure management, acoustic leak detection, and remote telemetry within the distribution network using smart sensors and advanced analytics.
- Sewer flow monitoring including H2S monitoring and tools to manage infiltration and inflow and reduce cleanings and maintenance.
- Lift station performance monitoring, including remote telemetry, pump performance analysis and force main condition assessment.

There is no charge to attend this event.

September 24th
8:00am - 12:00pm
The Pavilion
1602 Sioux Dr. | Marion, IL

Breakfast & lunch provided.

Please RSVP by September 19th to
Lance Meisenheimer
618-697-3700 or
lmeisenheimer@midwest-meter.com

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22362 & 22364
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Drinking Water Quality Monitoring

Utilities face significant challenges in maintaining water quality throughout treatment and distribution processes. This session will examine how various internal and external factors within the distribution system influence water quality and explore strategies for mitigation. We will discuss the limitations of traditional water quality sampling methods, which often provide limited, discrete data points, and highlight the transformative potential of remote water quality monitoring system. By enabling continuous data streams, remote monitoring empowers utilities to enhance customer service, optimize internal processes, and confidently ensure regulatory compliance, ultimately deliver safer and more reliable water to consumers.

Distribution & Collection Systems Monitoring

During this session we will delve into remote monitoring data acquisition for pressure monitoring in the water distribution system. Ways to help operators understand the functions within the network and alert them to transients that can cause pipe bursts over long periods, if they aren't addressed. We will also investigate the wastewater collection system and tools to provide the ability to gather data for remote locations to help understand the functions of the network. Additionally, we'll discuss the tools available to monitor and detect CSO/SSO activities and alert operators before they become critical issues. Helping also identify and quantify Inflow/Infiltration during rain events and enable the end users to plan for future capital improvements to rehabilitate systems to remove I/I.

About our Speakers

George Elaro | Badger Meter Sales Engineer

George Elaro has been involved in the water and wastewater industry for over 34 years, across the United States, Australia and Asia. He is known as a subject matter expert on all things water and wastewater related with regards to hardware and software applications for flow monitoring, pressure monitoring and asset management systems. He has worked at private engineering firms, investor-owned utilities and with public utilities running operations and collection systems as well as water distribution systems.

Sean Lacaille | Badger Meter Solutions Engineer

Fifteen years of utility experience, 12 of which were with Sarasota County Government located in Florida. Sean worked within the Public Utilities Department at various levels of responsibility; the majority of time spent as the Utility Field Operations manager. Approximately 1 year ago, Sean joined the Badger Meter team as a Solution Engineer and has been presenting on Badger Meter's Blue Edge solutions.

Doug Vermillion | Solution Architect with Badger Meter.

Over 25 years of water utility experience on products ranging from mechanical meters to all variations of meter readings systems including touch, phone, radio and cellular systems.