

Training Information

A tentative list of topics and invited speakers. All hours pending approval.

Those desiring to earn continuing education credits **MUST** complete a Verification of Hours sheet (provided in the registration packet) in order to receive credit for attending sessions.

Water and Wastewater Operators can earn up to 12 hours of continuing education credits over the course of the 3-day conference.

Water District Commissioners can earn up to 6 hours of continuing education credit by attending the sessions on Tuesday afternoon and Wednesday morning (★). This training does not meet the requirements for newly appointed commissioners.

MONDAY, AUGUST 23, 2021

8:00 a.m. to 4:30 p.m.

Wastewater Collection Certification Class

French Room - 3rd Floor of East Tower

Attendees must be approved in advance by the Division of Compliance Assistance, Certification and Licensing Branch.

8:30 a.m. to 4:30 p.m.

Combined Water and Wastewater Training

Cochran Room - 3rd Floor of West Tower (Conservatory Level)

8:30 a.m. to 9:30 a.m.

SESSION 1

Electrical Safety for the Utility Operator

Joel Crawford, Service Specialties, LLC

This session will provide an introduction to the NFPA 70E, the standard for electrical safety in the workplace. Other topics will include identification of electrical hazards, electrical injuries and how they occur, hazard control measures and implementing safety measures in the workplace.

9:40 a.m. to 10:40 a.m.

SESSION 2

Asset Management in a Post-Covid World

Jeff Merman, Automatic Controls Company

Technology has made asset management an increasingly automated process and utilities have more tools at their disposal than ever before. This session will cover how technology can allow utilities to improve their asset management practices, meet their regulatory requirements, while also maintaining safe working practices for their staff and customers.

10:50 a.m. to 11:50 a.m.

SESSION 3

Customer Service Made Easy

Robert Mohon, The Neil Group

This session will demonstrate useful customer service tools for water and wastewater personnel who often must deal with distraught customers. The presenter will provide takeaway lessons that utility personnel will find useful.

1:00 p.m. to 2:00 p.m.

SESSION 4

Sampling for Drinking Water and Wastewater Analysis

Mark DeMoss, Pace Analytical Services

This session will cover the process for sampling and the record keeping required for compliance with KPDES and SDWA permits. Proper sampling techniques and equipment necessary for proper sampling will be covered.

2:10 p.m. to 3:10 p.m.

SESSION 5

Scanning Technology for Utility Asset Management

David Carter, CDP-MapSync

GIS tools and technology have advanced significantly over the years. This session will provide an explanation of new technologies available for utilities and how it can be integrated into an asset management program as well as an existing GIS program.

2:10 p.m. to 4:20 p.m.

THIS SESSION IS APPROVED FOR DW HOURS ONLY (2 HRS.) Space is limited. Pre-registration is required.

SESSION 6

River to Faucet, A Tour of Louisville Water Company's Treatment Facilities

Kelly Dearing-Smith, Louisville Water Company

In 1860, Louisville Water began as Kentucky's first public water

provider and today its treatment plants are highly-rated for outstanding quality. This two-hour tour combines history and current day operations to highlight how Louisville Water produces several million gallons of drinking water. Louisville Water staff of engineers and scientists will be available to answer questions. As attendees are bused to and from the Galt House, videos will provide a glimpse of Louisville Water Company's contribution to safe drinking water through its innovations in science and engineering.

3:20 p.m. to 4:20 p.m.

SESSION 7

Spray-in-Place Pipe (SIPP) Rehabilitation

Audrey Leamy, SUEZ Advanced Solutions

Spray-in-Place Pipe (SIPP) rehabilitation process is a trenchless, efficient and long-lasting solution for the restoration of aging underground piping systems. This session will cover how SIPP technology bonds with the pipe, how it behaves once it cures in place, and the types, sizes and orientation of pipe most suited for SIPP rehab.

TUESDAY, AUGUST 24, 2021

1:30 a.m. to 4:50 p.m.

Concurrent Sessions - A, B and C

Nunn, Breathitt and Combs-Chandler Rooms - 2nd Floor of East Tower

Details on page 8.

CONCURRENT A

Nunn Room - 2nd Floor of East Tower

Concurrent A Sessions offer credit for DW Operators only.

1:30 p.m. to 2:30 p.m.

SESSION 8A

Cellular AMI – Install it Today, Read It Tomorrow

Michael Giarratano, Metron-Farnier

Automated meter reading isn't a new technology, but the technology for meter reading continues to improve. This session will compare the differences between traditional AMI technology and cellular AMI.

2:40 p.m. to 3:40 p.m.

SESSION 9A

Fire Hydrant Operation and Maintenance

Luke Darby, EJ USA

This session will teach important basic facts related to the operation and maintenance of fire hydrants. Attendees will be exposed to installation, operation, flushing procedures, trouble shooting, and specification basics. A fire hydrant cut-away will be used throughout the session to aid in the learning process.

3:50 p.m. to 4:50 p.m.

SESSION 10A - 1 Hour (DW)

Drinking Water Compliance Update

Arianna Lageman, Kentucky Rural Water Association

This session will be an update on SDWA compliance issues in Kentucky. Topics will include an update on the progress of the Lead and Copper Rule revisions, the upcoming UCMR 5, compliance problems within Kentucky and areas where Kentucky has improved its SDWA compliance.

CONCURRENT B

Breathitt Room - 2nd Floor of East Tower

Concurrent B Sessions offer credit for WW Operators only.

1:30 p.m. to 2:30 p.m.

SESSION 11B

Lagoon Based Systems Upgrades, Case Studies and Unique Designs

Isalah LaRue, Environmental Dynamics International/NEXOM

This session will address why lagoons often fail, particularly with winter nitrification, and the validity of both nitrification and phosphorous options with new technologies that can be added to lagoon-based treatment systems. The presenter will use case studies as examples of new technologies applied to lagoon treatment systems.

2:40 p.m. to 3:40 p.m.

SESSION 12B

Types of Wastewater Pumps Available in the Marketplace

Josh Cravins, WASCON

As pump manufacturers continue to flood the marketplace, wastewater operators can be overwhelmed with the number of different pumps that are available to them. This presentation will provide a brief overview of the major types of pumps available and how to select the right pump for the specific application.

3:50 p.m. to 4:50 p.m.

SESSION 13B

Maxadaptor- A Universal Coupling Device for Sewer and Drainage Pipes

Tom Lewis, Lewis Municipal Sales

This session will provide information on a shielded sewer repair coupling that is designed to combine nearly any two types of pipe to each other. The shielding built into the coupling also provides resistance to corrosive underground soil conditions helping to prevent both short- and long-term problems and the benefits of rehabilitation projects.

CONCURRENT C

Combs-Chandler Room - 2nd Floor of East Tower

Concurrent C Sessions offer credit for Operators and Water District Commissioners



1:30 p.m. to 2:30 p.m.

SESSION 14C

Asset Management Dashboards

Dustin Horn and Rusty Anderson, Kentucky Rural Water Association

Geographic Information Systems (GIS) is technology that all various types of data to be displayed and analyzed spatially. This session will showcase tools that are being developed by Kentucky Rural Water to help utilities improve asset management through GIS technology. This session will not use a PowerPoint but will be a live demonstration of the asset management tool and the dashboards that have been created.

2:40 p.m. to 3:40 p.m.

SESSION 15C

PSC Regulation of Municipal Utility Wholesale Rates: What You Don't Know Can Hurt You (Part 1)

Gerald Wuetcher, Stoll Keenon Ogden

This presentation examines the history of PSC regulation of municipal water utility wholesale rates, with an emphasis on recent regulatory trends. While the Public Service Commission has regulated the wholesale rates that municipal utilities charge to PSC-regulated utilities for 20 years, recently it has become more aggressive, investigating proposed increases in wholesale rates that in earlier years would have been routine accepted. The presenter will explain approaches that may lessen the likelihood of a rate review, will provide an overview of PSC procedures for such reviews, and will identify some of the most common issues that may arise.

3:50 p.m. to 4:50 p.m.

SESSION 16C

PSC Regulation of Municipal Utility Wholesale Rates: What You Don't Know Can Hurt You (Part 2)

Gerald Wuetcher, Stoll Keenon Ogden

This is a continuation of session 15C.



8:30 a.m. to 11:50 a.m.

General Session

*Cochran Room - 3rd Floor of West Tower
(Conservatory Level)*

General Session offers credit for Operators and  Water District Commissioners

8:30 a.m. to 9:30 a.m.

SESSION 17

Developing New Normals in an Ever-changing Environment

John Dix

President Kentucky Rural Water Association and Manager, Warren, Butler and Simpson County Water Districts

David Peterson

Executive Board, National Rural Water Association and Manager, Caveland Environmental Authority

As the utility industry emerges from the Covid-19 Pandemic, many changes that were addressed may now become "new normals." This session will discuss changes in the industry—including regulatory and legal—brought about by the events of the past few years and how those changes may impact Kentucky's water and wastewater utilities.

9:30 a.m. to 10:00 a.m.

SESSION 18

Energy and Environmental Issues

Rebecca Goodman, *Secretary, Energy and Environment Cabinet*

Not only were utilities impacted by the pandemic, state government agencies were hit hard by the events of the last couple of years as well. This session will cover issues faced by the Energy and Environment Cabinet, how they have managed those changes, and how the "new normal" will impact their operations as well the operations of water and wastewater utilities.

10:15 a.m. to 10:45 a.m.

SESSION 19

PSC Utility Regulatory Issues—Update

Linda Bridwell, *Executive Director, Kentucky Public Service Commission*

The PSC maintains regulatory responsibility for many of Kentucky's water and wastewater utilities. Regulatory compliance can be quite challenging for utilities. This session will address some of the regulatory issues facing utilities and their plan for addressing concerns.

10:45 a.m. to 11:15 a.m.

SESSION 20

Local Government Issues—Update

Dennis Keene, *Commissioner, Department for Local Government*

The Department for Local Government (DLG), under the Office of the Governor, provides financial help in the way of grant and loan assistance, as well as advising local governments in matters of budget, personnel and other subjects relevant to those entities. Like other state agencies, DLG is facing "new normal" challenges. This session will offer updates on funding and will address issues affecting water and wastewater utilities in the Commonwealth.

11:15 a.m. to 11:45 a.m.

SESSION 21

Funding Opportunities – Kentucky Infrastructure Authority

Sandy Williams, *Deputy Executive Director, Kentucky Infrastructure Authority*

This session will explain funding opportunities that are available to water and wastewater utilities through KIA. Types of funds available for treatment facilities, collection and distribution systems, stormwater and/or additional projects will be discussed. Guidelines will be offered for proper procedures to follow when submitting applications.