One Water

TECHNICAL PROGRAM

August 11-14, 2025 | Cleveland, OH

Explore the 2025 Technical Program

This year's technical program offers an in-depth exploration of the challenges, innovations, and best practices shaping Ohio's water landscape. With more than 100 sessions, attendees will gain practical insights into PFAS management, nutrient reduction strategies, biosolids and land application, utility finance, asset management, cybersecurity, workforce development, and more.

The program brings together voices from utilities, regulatory agencies, consulting firms, and research institutions—providing both high-level policy context and ground-level operational expertise. Whether you're an operator, engineer, utility leader, or regulator, the sessions are designed to support informed decision-making, spark innovation, and strengthen technical capacity across the sector.

Ohio Section American Water Works Association

OWEA

PRE-CONFERENCE WORKSHOP: NUTRIENTS

MONDAY, AUGUST 11 | 9:00 AM – 5:00 PM

Additional registration required

9:30 AM – 10:30 AM

Nutrient Assessment and Implementation Rulemaking and Updates

- Ashley Ward, Ohio EPA; Joshua Griffin, Ohio EPA

10:30 AM – 11:45 AM

Legal Issues with Nutrient Water Quality and NPDES

- USEPA Nutrient Limits – Lou McMahon, McMahon DeGulis LLP
- Ohio Issued Permits – Adrienne Nemura, Geosyntec Consultants
- Nutrient General Permit – Nat Morse, Vorys, Sater, Seymour and Pease LLP
- TMDL Challenges – Stephen Haughey, Frost Brown Todd LLP

12:45 PM – 1:30 PM

Why One Size Doesn't Fit All

Beth Toot-Levy, Geosyntec Consultants; Adrienne Nemura, Geosyntec Consultants

1:30 PM – 2:30 PM

Science of Nutrient Delivery

- Trends in Tributary Loading Data – Nate Manning, Heidelberg University
- WWTP Discharge Trends – David Brumbaugh, Ohio EPA
- Monitoring Data – Beth Toot-Levy, Geosyntec Consultants

3:00 PM – 3:45 PM

Biosolids Land Application Rules and Challenges

Moss Birri, City of Columbus

3:45 PM – 5:00 PM

Land Application of Nutrients

Soil Test Phosphorus – Justin McBride, ODA

Soil and Nutrients – Dr. Nick Basta, Ohio State University

Biosolids vs. Manure – Eric Dresbach, W.D. Farms

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TUESDAY, AUGUST 12 | 10:45 AM – 11:30 AM

WATER TREATMENT TRACK
How Canton Water Department Planned the Work and Worked the Plan for Sugar Creek WTP
Carl Seifried, Burgess & Niple; Brent Burrier, City of Canton

WASTEWATER TREATMENT TRACK
Pushing the Boundaries of Convention: Process Intensification for Achieving Nutrient Removal Limits
Paul Steele, Jacobs; Medhavi Gupta, Jacobs

ASSET MANAGEMENT TRACK
City of Lorain Utilities' Asset Management Journey
Joseph Carbonaro, City of Lorain; Laith Alfaqih, Stantec; James Hale, Stantec

DISTRIBUTION TRACK
Water Distribution Intervention Without Service Disruption
Justin Meade Prillaman, Hydra-Stop LLC

EFFICIENCY & SUSTAINABILITY TRACK
Storm Water Capture, Treatment and Reuse at the Cincinnati Zoo and Botanical Garden
Jeff Koehn, Arcadis

WORKFORCE & LEADERSHIP TRACK
Where Commitment Meets Innovation: Transforming EJ Commitment into Tangible Impact
Christine Umerley, Northeast Ohio Regional Sewer District

COLLECTIONS TRACK
Private Property I/I Reduction Program Shows Success!
Rich Snyder, City of Rocky River; Kimberly R. Kerber, WallacePancher Group; Scott E. Belz, AECOM

TUESDAY, AUGUST 12 | 11:45 AM – 12:30 PM

WATER TREATMENT TRACK
First for Ohio: Piloting and Design of Portsmouth's WTP and Ballasted High-Rate Clarification
Vinny Anderson, Strand Associates, Inc; Stacy Williams, City of Portsmouth

WASTEWATER TREATMENT TRACK
Delaware County OECC: Reimagined Secondary Treatment for Reliable Nutrient Control
Marshall Yarnell, Delaware County Regional Sewer District; Benjamin Cario, Arcadis

ASSET MANAGEMENT TRACK
Canton Water's Asset Management Journey with Managerial Considerations
Tyler Converse, City of Canton; Annette Mollet, City of Canton

DISTRIBUTION TRACK
Leak Detection the Del-Co Way
Glenn Marzluf, Del-Co Water Company; Zach Lohr, Del-Co Water Company; Keena the Dog Del-Co Water Company

EFFICIENCY & SUSTAINABILITY TRACK
The Process (and Impact) of Adding Solar to Water and Wastewater Treatment Plants in Athens, Ohio
Geoff Greenfield, Kokosing Solar; Steve Patterson, City of Athens

WORKFORCE & LEADERSHIP TRACK
Innovative Training for Water Operators: Bridging the Gap with Digital Tools
Randall Berkley, Jacobs; Justin Waid, City of Wapakoneta

COLLECTIONS TRACK
How the PJPS Project Reduced CSO Using Hydraulics to Optimize Storage and Reduce Inflows
Stephan Janosko, NEORSD; Shannon Conway, Stantec

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TUESDAY, AUGUST 12 | 2:30 PM – 3:15 PM

WATER TREATMENT TRACK
Evolution of Water Supply in Ashtabula
Nick Pizzi, Aqua Serv; George Ginnis, Aqua Ohi; Joe Flahiff, Aqua Ohio

WATER REUSE TRACK
Pioneering Potable Reuse in Middle America: Unveiling Tennessee's Inaugural Water Reuse Pilot
Alyssa Mayer, Hazen and Sawyer; Scott Alpert, Hazen and Sawyer

CONSTRUCTION & DESIGN BUILD TRACK
Harmonic Solutions for the Water/Wastewater Industry
Andy McDonald, TCI LLC

LEAD TRACK
Logistics Behind Customer Requested Lead Sampling and Service Line Replacements
Dawn Webb, Greater Cincinnati Water Works; Kevin Kappers, Greater Cincinnati Water Works

EMERGING TECH TRACK
Machine Learning: No Longer a Shiny New Object, It Is Here to Stay
Chris Ranck, Black & Veatch

OPERATIONS & MAINTENANCE TRACK
SCADA System Replacement at a Large Treatment Plant
Louis Burnoski, AECOM; Steve Baytos, City of Akron; Corbin Sweat, City of Akron

COLLECTIONS TRACK
Right-Sizing The Retrofit: What Happens When You Need To Double The Pumps
Carmella Caltagirone, Stantec; Joseph Carbonaro, City of Lorain; Alex Berki, City of Lorain

TUESDAY, AUGUST 12 | 3:30 PM – 4:15 PM

WATER TREATMENT TRACK
City of Johnstown: The Little Engine That Could... and Still Can
Mike Giangiordano, Jacobs; Jack Liggett, The City of Johnstown

WATER REUSE TRACK
Piedmont Hospital Water Reuse System: Increasing Operational Resiliency and Reducing Cost
Randy Booker, Gresham Smith; Kelvin Rosa, Gresham Smith

CONSTRUCTION & DESIGN BUILD TRACK
Tunnel Rush: Constructing NSIT Against the Clock
Dominick Mandalari, AECOM; Heather Ullinger, City of Akron; David Wright, City of Akron

LEAD TRACK
I've Got a New One for You
Brenda Culler, Cleveland Water; Joshua Pecek, Cleveland Water

EMERGING TECH TRACK
On-Demand Generation and Dosing of PAA for Wastewater Disinfection: From Concept to Application
Daniel Murray, U.S. EPA-ORD; Bruce Smith, U.S. EPA-ORD

OPERATIONS & MAINTENANCE TRACK
Dramatically Reduce Non-Revenue Water (NRW), Energy Consumption, and Maintenance Costs
Brent Nibarger, Grundfos

COLLECTIONS TRACK
Comprehensive Solutions for SSO Reduction: The TCA EQ Facility and Relief Sewer Project
Dave Ebbeler, Hazen and Sawyer; Danny Knife, Tri Cities Regional Wastewater Authority

TUESDAY, AUGUST 12 | 4:30 PM – 5:15 PM

WATER TREATMENT TRACK
Influence of Different Coagulants on Microplastics Removal
Mia Wang, Arcadis U.S. and The Ohio State University

WATER REUSE TRACK
Keeping St. Henry Flowing: Creative Solutions for Water and Wastewater Management
Brian Tornes, Burgess & Niple.; Walter Ariss, Ohio EPA; Elsa Saelens, Burgess & Niple

CONSTRUCTION & DESIGN BUILD TRACK
Big Walnut Tunnel: Addressing Risk in Uncertain Ground Conditions
Mark Barga, Stantec

LEAD TRACK
Responsible Owner Strategies to Fulfill Lead Service Line Replacement
Sherry Loos, Arcadis U.S

EMERGING TECH TRACK
Innovative Israeli Water Technologies: Transforming Ohio's Water Challenges into Opportunities
Aryeh Canter, Ohio Israel Ag & Cleantech Initiative

OPERATIONS & MAINTENANCE TRACK
Optimization Testing Across Five Surface Water Plants Yields Significant Savings
Alexandra Salyers, Hazen and Sawyer; Matt Charles, Hazen and Sawyer

COLLECTIONS TRACK
Practical Aspects for the Design of Close-fit Liners for Gravity Sewers using ASCE MOP 145
Kevin Alspach, AECOM

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WEDNESDAY, AUGUST 13 | 7:45 AM – 8:30 AM

EARLY BIRD SESSION – WATER

Columbus Home Road Water Plant: The Journey Continues
Bret Casey, Hazen and Sawyer; David Opferman, City of Columbus

EARLY BIRD SESSION – WASTEWATER

Salted Waters: Addressing TDS Challenges in Ohio Wastewater Treatment Facilities
Jonathan Sheets, CDM Smith; Cory Smith, City of Marysville; Erin Stachler, CDM Smith

WEDNESDAY, AUGUST 13 | 8:45 AM – 9:30 AM

WATER TREATMENT TRACK

Bye-bye By-products: Transforming Disinfection Strategies at the Warren Water Filtration Plant
Dane Elliott, Stantec; Valerie Copanic, City of Warren; Bernardo Vazquez Bravo, Stantec

WASTEWATER TREATMENT TRACK

Modernizing Filtration: Retrofit Solutions for French Creek Wastewater Plant
Carl Seifried, Burgess & Niple

COLLECTIONS TRACK

Challenges of MSDGC-ODOT Collaboration to Manage Highway Stormwater and Sewer Assets in Cincinnati
Katie Bollmer, Jacobs; James Weinle, Metropolitan Sewer District of Greater Cincinnati

BIOSOLIDS TRACK

Biosolids Master Planning: It's More Than PFAS
Stephanie Spalding, HDR

ASSET MANAGEMENT TRACK

City of Newark's Asset Management Fast Track Phase 2
Sara Ferrara, Arcadis; Cole Tharp, City of Newark; John Lee II, City of Newark

REGULATORY TRACK

Ohio CSOs in a Post-LTCP World
David Brumbaugh, Ohio EPA; Ashley Wardo, Ohio EPA

SOURCEWATER TRACK

Thinking Outside of Your Boundaries for Water Resources
Chad Roby, Jacobs; Kathleen Smith, Hazen and Sawyer

WEDNESDAY, AUGUST 13 | 9:45 AM – 10:30 AM

GENERAL SESSION

Generational Differences in the Workplace
Dr. Adam Rapp, Ohio University

WEDNESDAY, AUGUST 13 | 10:45 AM – 11:30 AM

WATER TREATMENT TRACK

Ultrasound Induced Pore Formation in Cyanobacteria
Samuel Gill, The Ohio State University

WASTEWATER TREATMENT TRACK

Advanced Wet Weather Treatment with Pile Cloth Media Filtration: A Case Study from Sandusky, OH
Vedansh Gupta, Aqua-Aerobic Systems, Inc.; Aaron Klein, City of Sandusky

COLLECTIONS TRACK

Optimizing Urban CSO Infrastructure: The Shoreline Consolidation Sewer Project Success Story
Joe Blackwell, Wade Trim; Allison Tierney, Wade Trim; Stephan Janosko, NEORSD

BIOSOLIDS TRACK

Energy-Efficient Dewatered Biosolids Transport: A Novel Approach
Westyn Bennington, SEEPEX Inc

ASSET MANAGEMENT TRACK

From Data to Decisions: Revolutionizing Asset Management with 3D Modeling
Kevin Campanella, Burgess & Niple, Inc.; Julia Gwin, Burgess & Niple, Inc

REGULATORY TRACK

Mid-Ohio: All Paths Lead to Regionalization
Tom Taylor, Mid-Ohio Water and Sewer District; Chad Roby, Jacobs

SOURCEWATER TRACK

Flora vs Fawn-a: Losing Green to Save a Buck
Jessica Glowczewski, City of Akron

WEDNESDAY, AUGUST 13 | 11:45 AM – 12:30 PM

WATER TREATMENT TRACK

From Source to Sip: Comprehensive Water System Planning
Greg Yuronich, Avon Lake Regional Water; Jason Gibboney, Avon Lake Regional Water; Isabelle Hammer, Stantec

WASTEWATER TREATMENT TRACK

Wastewater Treatment Plant Upgrades for Small Developments
Matthew Smith, Strand Associates, Inc.; Michael Orbash, Strand Associates, Inc.; Kathryn Gilbert, Warren County Water and Sewer Department

COLLECTIONS TRACK

Revitalizing a Century-Old Sewer System: The Lakewood Interceptor Tunnel Rehabilitation Project
Robert Paul Budzilek, AECOM; Mark Papke, City of Lakewood; Kevin Mihalcea, AECOM

BIOSOLIDS TRACK

Reevaluating Biosolids Phosphorus: Agronomics and Runoff Risk
Moss Birri, City of Columbus

ASSET MANAGEMENT TRACK

Asset Management Plans: What are they and how do you utilize them?
Steven Schneider, Northeast Ohio Regional Sewer District

REGULATORY TRACK

The Future is Loper Bright: Practical Implications of the End of Chevron Deference
Nathaniel Morse, Vorys, Sater, Seymour and Pease LLP

SOURCEWATER TRACK

Building and Utilizing an Integrated Model for a 15-County Area
Kiley Grilliot, Hazen and Sawyer; Eric Onderak, Coldwater Consulting, LLC

WEDNESDAY, AUGUST 13 | 2:30 PM – 3:15 PM

DISTRIBUTION TRACK
Machine Learning Framework for Lead Pipe Classification Using Surrogate Modeling
Zul Kazeem, Case Western Reserve University

WASTEWATER TREATMENT TRACK
Physical Scale Modeling: Improve Reliability & Optimize Performance of the Little Miami Raw WW PS
Lauren Reinersman, HDR Engineering, Inc.; Nicholas Jones, MSDGC; Lee Tourek, HDR

COLLECTIONS TRACK
Columbus Evolution of Wet Weather Operation Response for Increased Conveyance, Storage and Treatment
Ed Heyob, CDM Smith; Leigh Cordle, City of Columbus, Jackson Pike Wastewater Treatment Plant

PFAS TRACK
Challenges and Successes of In-House PFAS Analysis at Greater Cincinnati Water Works (GCWW)
Alexandra Mendlein, Greater Cincinnati Water Works

POTPOURRI TRACK
From Lime Softening to Nanofiltration: Enhancing Potable Water Quality at Plantation Bay
Al Mitrovic, Wade Trim

UTILITY MANAGEMENT TRACK
WRF Project 5208 - Advanced Metering Infrastructure (AMI): Better Use of Systems and Data
Michael Rotunno, R2O Consulting

STORMWATER & WATERSHED TRACK
Advancing Flood Predictive Models Using Machine Learning AI for Climate Resiliency
Caitlin Ruza, Woolpert; J.P. Johns, Woolpert

WEDNESDAY, AUGUST 13 | 3:30 PM – 4:15 PM

DISTRIBUTION TRACK
Defective Pipeline Coatings Issues during Construction of the Eastern Pressure District
Allen Jones, City of Springfield; Lee Weber, Black & Veatch

WASTEWATER TREATMENT TRACK
MOB Process Trial: Enhancing Capacity & Sludge Settleability in Secondary Treatment at Midwest WWTP
Erik Anderson, Nuvoda; Cory Ross, Nuvoda

COLLECTIONS TRACK
The Twilight Zone: Overcoming Decades of Infrastructure Challenges
Dan Porter, Brown and Caldwell; Gary Fedak, Lake County Department of Utilities; Cathy Findley, Lake County Department of Utilities

PFAS TRACK
From Production to Destruction: Utility Considerations in the Life Cycle of PFAS Removal Media
Daniel Ma, CDM Smith; Al LeBlanc, CDM Smith

POTPOURRI TRACK
Retrospective of 15 years for Spray Applied Geopolymer Mortar Linings
David Keaffaber, GeoTree Solutions

UTILITY MANAGEMENT TRACK
Securing Water and Wastewater Systems: Insights and Strategies for Cyber Resilience
Kirk Herath, CyberOhio; Spencer Wittern, Cyber Ohio Advisory Board

STORMWATER & WATERSHED TRACK
Developing a Real Time Actionable Stormwater Platform - NOAA Weather, Digital Twin, and a Dashboard
Dax Blake, Arcadis; Cristina Popa, Arcadis

WEDNESDAY, AUGUST 13 | 4:30 PM – 5:15 PM

DISTRIBUTION TRACK
Case Study: Releasing and Exercising Seized Valves in Water Distribution Systems
Scott Dompke, M. E. Simpson Company; Michael Simpson, M E Simpson Company

WASTEWATER TREATMENT TRACK
How Bedford Heights Turned a Permit-Required Evaluation into a Cost-Effective Plant-Wide Project
Corinne Sackett, Hazen and Sawyer

COLLECTIONS TRACK
Storm Water Reuse at the Cincinnati Zoo and Botanical Garden
Allison Reynolds, University of Cincinnati; Lizzie Clingan, University of Cincinnati; Keller Gesister, University of Cincinnati

PFAS TRACK
PFAS and Biosolids: How Other States are Navigating this Issue
Elizabeth Toot-Levy, Geosyntec Consultants

POTPOURRI TRACK
Modernizing Wastewater Engineering: LLMs for Smarter Workflow
David Meyer, Burgess & Niple

UTILITY MANAGEMENT TRACK
New Development Opportunity Sparks Water and Wastewater Master Planning
Timothy Kargl, Burns & McDonnell

STORMWATER & WATERSHED TRACK
Linview Park: A Regional Stormwater Solution in North Linden Residential Neighborhood
Erin Stachler, CDM Smith; Afaf Musa, CDM Smith; Nicholas Domenick, City of Columbus

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THURSDAY, AUGUST 14 | 8:00 AM – 9:45 AM

REGULATORY UPDATES

- OEPA DSW Update | Mark Johnson, Ohio EPA, Chief – DSW
- OEPA DDAGW Update | Amy Jo Keli, Ohio EPA, Chief DDAGW
- Central Ohio 15-County Study Results | Jessica Langdon, Ohio EPA; Kathleen Smith, Hazen

THURSDAY, AUGUST 14 | 10:00 AM – 10:45 AM

REGULATORY TRACK

New Directions in Water Regulation and Other Hot Topics
Louis McMahon, McMahon DeGulis LLP

UTILITY MANAGEMENT TRACK

Planning for the Future - Columbus Water and Power's Strategic Planning Process
Jamie Decker, Hazen and Sawyer; Jon Lee, Columbus Water and Power; Catherine Carter, Raftelis

WATER POTPOURRI TRACK

Regionalization, Consolidation and Cooperation in the World of Water
Alan Frygier, Verdantas; Reid Scott, Verdantas

WORKFORCE & LEADERSHIP TRACK

Empowering the Future: Building a Water Workforce Using Social Entrepreneurship and Direct Training
Charles Campbell, City Of Toledo; Kari Gerwin, Toledo Metropolitan Area Council of Governments

THURSDAY, AUGUST 14 | 11:00 AM – 11:45 AM

REGULATORY TRACK

Update on the Ohio WateReuse Section: Regulatory Considerations for Water Reuse
John Newsome, City of Columbus; Sierra McCreary, Black and Veatch; Mike Frommer, CDM Smith; Matt Kallevant, Black and Veatch; Jonathan Sheets, CDM Smith

UTILITY MANAGEMENT TRACK

Risk and Resilience Assessments - Round 2
Kevin Campanella, Burgess & Niple, Inc.; Mary Ann Driscoll, Burgess & Niple, Inc.; Keith Rees, City of Columbiana

WATER POTPOURRI TRACK

Enhancing Water Treatment Resilience with Biological Processes: An Introduction to AWWA MOP80
Hayat Raza, Continental Carbon Group, Inc

WORKFORCE & LEADERSHIP TRACK

Knowledge Transfer through O&M Manuals
William Bowers, Aqua Ohio, Inc.; Nick Pizzi, Aqua Serv; George Ginnis, Aqua Ohio, Inc

THURSDAY, AUGUST 14 | 12:15 PM – 1:00 PM

REGULATORY TRACK

Regulatory Options for High Total Dissolved Solids Dischargers
Allison Cycyk, Ohio EPA

UTILITY MANAGEMENT TRACK

Addressing Declining Revenue and Infrastructure Needs: A Case Study of Fairview Park, OH
Erik Johnson, Willdan Group, Inc.; Bill Schneider, City of Fairview Park; Jennifer Pae, City of Fairview Park

WATER POTPOURRI TRACK

UV222 vs. UV254: A Scientific Showdown in Microcystin-LR Degradation
Zanna Leciejewski, Hazen and Sawyer

WORKFORCE & LEADERSHIP TRACK

What's In It for Me: Taking Diversity from Trend To Transformative Culture
Lois Montgomery, Ascension Construction Solutions; Nina Brooks, City of Columbus Department of Public Utilities

THURSDAY, AUGUST 14 | 1:15 PM – 3:15 PM

ETHICS TRACK

Lights, Camera, Ethics: The Ohio Ethics Law in Action!
Susan Willeke, Ohio Ethics Commission
Built To Last – The Ethics of Durable Design
Ted Bennett, Jones & Henry Engineers