

	North Meeting Room (NMR) 200	North Meeting Room (NMR) 203 & 204	North Meeting Room (NMR) 201 & 202	North Meeting Room (NMR) 205
	Distribution	Wastewater Treatment	Water Treatment	Potpourri
10:45am-11:30am	<p>Using Artificial Intelligence to Reduce Lead Exposure and Promote Environmental Justice Ian Robinson, Blue Conduit; Mark Riley, City of Toledo <i>Please note this presentation will also be offered at our upcoming virtual conference. Credit cannot be earned twice for the same presentation so please plan accordingly.</i></p>	<p>Construction, Commissioning and Start Up of the World's First Advanced Biological Nutrient Recovery Pat Kelly, CLEARAS Water Recovery <i>Please note this presentation will also be offered at our upcoming virtual conference. Credit cannot be earned twice for the same presentation so please plan accordingly.</i></p>	<p>Lead Corrosion Control Optimization Program - One Success Story Kemal Niksic, Mott MacDonald</p>	<p>Bringing it All Together: Conceptual Evaluation of Potential Regional Solids Handling in SW Ohio Scott Reed, Black & Veatch; Jason Tincu, Greene County Sanitary Engineering</p>
11:45am-12:30pm	<p>Building and Utilizing a Brand-New Water Distribution Model in 2020 Brent Burrier, City of Canton; Ben Chenevey, Arcadis</p>	<p>Methane Recovery for Philip Q. Maiorana WWTP Abby Slates, Case Western Reserve University; Andi Chakraborty, Case Western Reserve University; Sofie Iwamasa, Case Western Reserve University</p>	<p>New Clearwell at GCWW's RMTF Facilitates Critical Rehabilitation and Enhances Flexibility William Leadbitter, Hazen and Sawyer; Matthew Charles; Hazen and Sawyer</p>	<p>Asset Management for Constructed and Natural Stormwater Systems John Aldrich, CDM Smith</p>
	Distribution	Wastewater Treatment	Water Treatment	Utility Management
2:30pm-3:15pm	<p>Lead Service Line Replacement Programs: Getting the Lead Out Within Your Constraints Ed St. John, CDM Smith; Jeannie Rosser, CDM Smith</p>	<p>Microbiology and Process Modeling for Biological Phosphorus Removal Mark Loria, Stantec</p>	<p>Commissioning a New Water Treatment Plant in St. Marys, OH Jake Meinerting, Jones & Henry Engineers; Jeff Thompson, City of St. Mary's; Bryan Bailey, Jones & Henry Engineers</p>	<p>Stealth Mode: Innovation Program Reactivated at NEORS Joanna Brunner, Arcadis; Jeffrey Duke, Northeast Ohio Regional Sewer District</p>
3:30pm-4:15pm	<p>Implementing Significant Distribution Improvements: Toledo's Evaluation Approach and Outcomes Andrea Kroma, City of Toledo; Jim Cooper, Arcadis</p>	<p>Upper Tuscarawas Sampling and Optimization Study Christen Wood, Summit County</p>	<p>New Backwash and Underdrain System Improves Operation of 92-Year-Old Waukegan Filtration Plant Tom Dumbaugh, WesTech Engineering; Peter Levorson, WesTech Engineering</p>	<p>Current Trends in Utility Financing Doug Baldessari, Baker Tilly Municipal Advisors, LLP; Ken Heigel, Ohio Water Development Authority <i>Please note this presentation will also be offered at our upcoming virtual conference. Credit cannot be earned twice for the same presentation so please plan accordingly.</i></p>
4:30pm-5:15pm	<p>Distribution Network THM Mitigation in Consecutive and Wholesale Water Systems Tom Caulfield, UGSI Solutions</p>	<p>City of Dayton: A Case Study in Planning for Total Phosphorus Limits at a Water Reclamation Facility Sarah Hunt, Arcadis</p>	<p>Assessment of Enhanced Treatment Techniques for TOC and Organic Contaminant Removals to Reduce DBPs Marvin Gnagy, PMG Consulting, Inc.</p>	<p>COVID-19 Impacts on Utilities in 2020 and Forward-Looking Strategies Erik Johnson, Raftelis; Kay Ball, Northwestern Water and Sewer District</p>

Early Bird Session
7:45-8:30am

North Meeting Room (NMR) 201 & 202

Mitigating High TDS in Water Treatment Plants through Surface Assisted Crystallization (SACr)
Kayla Piezer, Applied Environmental Solutions

Early Bird Session
7:45-8:30am

North Meeting Room (NMR) 207 & 208

Balancing Current Infrastructure Needs While Maintaining Future Vision: Valparaiso City Utilities
Kisch Elsenbroek, Stantec; Dale Kocarek, City of Aurora

North Meeting Room (NMR) 206

North Meeting Room (NMR) 201 & 202

North Meeting Room (NMR) 205

North Meeting Room (NMR) 200

North Meeting Room (NMR) 207 & 208

North Meeting Room (NMR) 203 & 204

Collections **Water Treatment** **Wastewater Treatment**

Sourcewater **Asset Management** **Potpourri**

8:45am-9:30am

Collection System Modeling of Wilmington & Crestline
Jeremy Cook, Prime AE Group, Inc.; Bryana Zuiderweg, Prime AE Group, Inc.

Adaptation of Empirical Models for Assessing Competitive PFAS Breakthrough Curves
Henry Croll, Stantec

Results from Some of the First Full-Scale WRRFs with Process Intensification
Mark Strahota, Hazen and Sawyer; Wendell Khunjar, Hazen and Sawyer

Pretreatment Upgrade Helps Utility With Source Water Microcystin Challenges
Emma van Dommelen, Hazen and Sawyer
Please note this presentation will also be offered at our upcoming virtual conference. Credit cannot be earned twice for the same presentation so please plan accordingly.

City of Akron - Approach to Asset Management Planning and Risk and Resilience Assessments
Nick Marshall, City of Akron; Sara Ferrara, Arcadis
Please note this presentation will also be offered at our upcoming virtual conference. Credit cannot be earned twice for the same presentation so please plan accordingly.

Columbus Southerly WWTP Digestion: Advantages of Surface Withdrawal
Dante Fiorino, Brown and Caldwell; John Willis, Brown and Caldwell

9:45am-10:30am

Tips to Identifying the Best Fit Wet-Weather Storage and Treatment Technology
Dakotah DeRoche, Burgess & Niple; Greg Powell, Louisville & Jefferson County Metropolitan Sewer District (MSD)
Please note this presentation will also be offered at our upcoming virtual conference. Credit cannot be earned twice for the same presentation so please plan accordingly.

Tracer Testing for Novel Disinfection Practices
Emily Tummons, Black & Veatch

NEORSO Southerly WWTC: Benefits and Challenges of a 400-mgd "Squiracle" Final Clarifier Retrofit
Jeffrey Ifft, Brown and Caldwell; Harry Shaposka, Northeast Ohio Regional Sewer District

Treatment of Rapidly Fluctuating Manganese Concentrations at a Groundwater Treatment Plant
Anton Rosi, Strand Associates, Inc.

Leveraging an Advanced Asset Management Framework to Optimize Investment Decisions
Kevin Slaven, Arcadis

Innovative Slip Lining of Large Diameter Main and Test of Risk and Resiliency, When Things Go Wrong
Kris Ruggles, Strand Associates, inc.

10:45am-11:30am

Live Modeling Implementation for Collection Systems: Lessons Learned
Nathan Gerdts, Innovzye; Mel Meng, Innovzye

Electrofiltration: Application of an Electric Field to Alpha Alumina Microfiltration
Viny Anderson, The Ohio State University

Improved BNR Performance Through Selective Sludge Wasting
Daniel Dair, World Water Works

Applying Asset Management Principles to Wellfields for Sustainable Groundwater Supply
Stuart Smith, Ground Water Science

Montgomery County's Vertical Asset Management Program
Jeff Macomber, Hazen and Sawyer

Alternative Delivery of Water & Wastewater Treatment Facilities in Ohio: What We've Learned So Far
Rob Knapke, Peterson Construction Company

11:45am-12:30pm

A Second Look At CSO Control - City of Fostoria LTCP Improvements
Adam Athmer, Strand Associates, Inc.; Todd Jenkins, City of Fostoria

Determination of the Effectiveness of GAC for the Removal of PFAS Precursor Compounds
Casey Theys, Calgon Carbon Corporation

Southerly CEPT: Start up and Operational Demonstration
Kurt Kinney, Arcadis; Christie Ruffner, Burgess & Niple; Anisa Pike, Burgess & Niple

Development of Model-Based Water Demand Forecast and Water Supply Plan for Columbus Water
Lisa Jeffrey, Hazen and Sawyer; Jack Kiefer, Hazen and Sawyer

Planning for the Future: Asset Management and Capacity Expansion in the City of Wadsworth
Gina Brescilli, City of Wadsworth; Isabelle Hammer, Stantec

The Question Remains: What's Leaching from the Membrane?
Alma Beciragic, University of North Carolina at Chapel Hill

	North Meeting Room (NMR) 206	North Meeting Room (NMR) 201 & 202	North Meeting Room (NMR) 205
	Collections	Water Treatment	Utility Management
2:30pm-3:15pm	<p>Meeting Consent Decree Cleaning and CCTV Schedule Using City and Contractor Crews Matthew St. Pierre, Wade Trim; Collette Clinkscale, City of Cleveland Heights</p>	<p>Longitudinal Comparison of Water and Biofilm Microbial Communities after UV LED versus Chlorine Disinfection Yijing Liu, The Ohio State University</p>	<p>Operational Technology (OT) Cybersecurity Guiding Principles James Schultz, HDR, Inc.</p>
3:30pm-4:15pm	<p>Akron Hazel Storage Basin - A True Optimization Story James Shamrock, ms consultants, inc.</p>	<p>Softening Improvements at the Harrison WTP Brian Phillips, Fishbeck; Pooja Chari, Fishbeck</p>	<p>New Affordability Guidance Provides More Flexibility to Utilities Joe Crea, Raftelis</p>
4:30pm-5:15pm	<p>Dynamic Modeling of Sanitary Sewer Collection Systems Sean Fitzgerald, Hazen and Sawyer; Anthony Carlisle, Hazen and Sawyer; Constance Kepner, Butler County Water & Sewer</p>	<p>Long-Term Planning for Redundancy and Reliability Jennie Celik, HDR Engineering Inc.; Robert Munro, Avon Lake Regional Water; Greg Yuronich, Avon Lake Regional Water</p>	<p>Digital Transformation: Becoming A Data-Driven Utility Glenn Marzluf, Del-Co Water Company</p>

	North Meeting Room (NMR) 200	North Meeting Room (NMR) 207 & 208	North Meeting Room (NMR) 203 & 204
	Green Technologies/ Stormwater	Efficiency/Sustainability	Potpourri
2:30pm-3:15pm	<p>Converting Biogas from Lead to Gold Through Renewable Identification Number Credits Peter Kube, Arcadis; Eric Myers, City of Dayton Division of Water Reclamation</p>	<p>Specifying and Verifying Performance of Aeration Blower Systems on a Wire to Air Basis, ASME PTC13 i Alessandro Lequio, Lone Star Blower</p>	<p>Large Diameter PCCP Water Main in Historic Cincinnati Katie Nolan, Gresham Smith; Jeff Strobl, Gresham Smith</p>
3:30pm-4:15pm	<p>Constructive Lessons from a Sewer Separation Project Cody Allison, Arcadis; Steven Wellstead, City of Lancaster</p>	<p>Monticello, Indiana WWTP Improvements; A Case Study in CSOs and Advanced Nutrient Removal D. Adam Downey, ms consultants, inc.</p>	<p>Innovative Improvements to Biosolids Odors at Upper Mill Creek WRF Jeff Fretchling, Butler County Water & Sewer; Jeremy Hamel, Butler County Water & Sewer; Rick Trevelen, BCR Environmental Corporation</p>
4:30pm-5:15pm	<p>High Tech Tools Streamline Data Collection for CHALET Stormwater Master Plan Joe Blackwell, Wade Trim</p>	<p>Achieving Operational Cost Savings for a Sustainable Intelligent Water Future Jim Cooper, Arcadis</p>	<p>Thermal Hydrolysis Process: is it the right solution for your anaerobic digesters? Engin Guven, Black & Veatch; Dawn Taylor, Medina County Sanitary Engineer</p>

Join us for the On Demand Virtual Conference!

September 15-30, 2021

Earn up to 8.5 Contact Hours

Some technical sessions are being offered both in-person and virtually. Credit cannot be earned twice for the same session. Please plan accordingly and check the technical program for the indicated sessions.

Registration will open at www.onewaterohio.org on August 11, 2021

The Centers for Disease Control (CDC) has issued the following guidance for individuals that are **NOT FULLY VACCINATED**:

- It is strongly recommended to wear a mask that covers your nose, mouth and chin in any indoor location that is not a residence.
- Attempt to maintain at least 6 ft of distancing from others.
- Wash hands with soap and water for at least 20 seconds or use hand sanitizer, when entering a facility.

EPA Updates	Grand Ballroom B	
8:00-8:45am	W OM Ohio EPA Updates - DDAGW	Amy Jo Klei, Ohio EPA
9:00-9:45am	WW OM Ohio EPA Updates - DSW	Tiffani Kavalec, Ohio EPA

North Meeting Room (NMR) 203 & 204	North Meeting Room (NMR) 200
Regulatory	Operations

10:00am-10:45am W OM Making AWIA Work for YOU! - Getting the Most Value From Your Risk Assessment Susan Wyatt, Arcadis	WW OM Improvements in Ammonia-Based Aeration Control (ABAC) Benjamin Barker, YSI Inc, a Xylem Brand
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11:00am-11:45am WW OM The State of Wet Weather Treatment Bob O'Bryan, Black & Veatch	WW OM Low Cost Phosphorus Removal by Repurposing Infrastructure Robert Smith, Black & Veatch
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Potpourri	Operations
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12:15pm-1:00pm W OM Lead Corrosion Control Optimization Program - Lead Has Beautiful Profiles John Civardi, Mott MacDonald	B OM Integrated Water Management: A Small City's Journey Chad Roby, Jacobs; Justin Waid, City of Wapakoneta
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1:15pm-2:00pm B OM YP Balancing Corrosion Control Treatment with Wastewater Nutrient Limits Emily Tummons, Black & Veatch	B OM Field Testing and Physical Modeling to Solve a 20 Year Pump Hydraulic Problem for Montgomery County Adam Arnold, HDR, Inc.; Rich Atoulkian, HDR, Inc. <i>Please note this presentation will also be offered at our upcoming virtual conference. Credit cannot be earned twice for the same presentation so please plan accordingly.</i>
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2:15pm-3:00pm W OM Accumulation and Release of Arsenic From an Old Cast Iron Drinking Water Main Dr. Darren Lytle, USEPA	W OM Optimized Treatment Operations and Management During a Pandemic Christopher Miller, Fontus Blue; Matt Ebie, City of Akron
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3:15pm-4:00pm W OM Technology Solutions to Non-revenue Water Problems Mark Beatty, Utility Technologies, LLC	WW OM Low-Cost Nitrogen Removal and Optimization Alyssa Mayer, Hazen and Sawyer
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North Meeting Room (NMR) 201 & 202	North Meeting Room (NMR) 205
Wastewater Treatment	Maintenance

WW OM Balancing SRT and Selector Zone F/M for Granulation Resulting in Improved Sludge Settling Theresa Kopper, CDM Smith; James Boyd, Greene County, Ohio	W OM Strategies for Tank Maintenance & Asset Management Dan Frum, Suez Advanced Solutions
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WW OM Assessing Performance and Upgrading a Twenty-Year-Old HRT Jeff Macomber, Hazen and Sawyer; Tony Klimek, Metropolitan Sewer District of Greater Cincinnati	B OM Data-Driven Decision Making for Leaders Justin Graham, Barge Design Solutions
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Wastewater Treatment	Ethics
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WW OM Jackson Pike WWTP Digester Gas System Rehabilitation: A Case Study Adam Rector, Anser Advisory (formerly H.R. Gray)	B X The Ohio Ethics Law: Water Professionals and Conflicts of Interest Susan Willeke, Ohio Ethics Commission
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WW OM Wapakoneta, Ohio - Disinfection Challenges for Industrially Impacted Municipal Wastewater Christy McCarthy, Jacobs; Justin Waid, City of Wapakoneta	B X The Ohio Ethics Law: Water Professionals and Gifts Susan Willeke, Ohio Ethics Commission
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WW OM New Primary Bio-Filter Achieves High-Rate Treatment for Wet-Weather Inflows Jon Liberzon, Tomorrow Water	B X The Ohio Ethics Law: Water Professionals and Public Contracts Susan Willeke, Ohio Ethics Commission
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WW OM Winning the War Against Wipes Brandon Leeth, JWC Environmental	B X Ethics and Professionals S. Rao Chitikela, RC-WEE Solutions
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