



# One Water

## TUESDAY | July 26

### Technical Sessions

	Pipeline Improvements	Lab	Operations	Wastewater Treatment
10:45am-11:30am	<p><b>WW</b> <b>Lessons Learned from the First Use Attainability Analysis Approved for Combined Sewer Overflows</b> Chris Ranck, Black &amp; Veatch; John Trypus, Citizens Energy Group</p>	<p><b>B</b> <b>Instrumentation progression: How Laboratory instrumentation has changed over last 30 years</b> Charles Smith, Cleveland Water</p>	<p><b>B</b> <b>Headloss, Velocity, and Hair &amp; Fibrous Re-agglomeration Effects on Membrane Pre-Screening</b> James Impero, Ovivo USA, LLC; Abner Aviles, Ovivo USA, LLC</p>	<p><b>WW</b> <b>DO Based Control at the Easterly WWTP Blows Away Energy Inefficiencies</b> Isabelle Hammer, Stantec; Robert Bonnett, NEORS; Nicholas Parisi, NEORS</p>
11:45am-12:30pm	<p><b>B</b> <b>Adapting a LTCP for SSO Elimination</b> Victoria Berry, Jacobs</p>	<p><b>W</b> <b>The Analysis for PFAS: An Evaluation of Current Methods, Proposed Methodologies and the Application</b> Charles Neslund, Eurofins Lancaster Laboratories Environment Testing</p>	<p><b>W</b> <b>Lowering Lead Levels without Increasing DBPs: Two Ohio Utilities' Experience with Optimization</b> Peter Fiske, Fontus Blue</p>	<p><b>WW</b> <b>OWEA Student Design Competition Winners</b></p>
	Pipeline Improvements	Utility Management	Operations	Wastewater Treatment
2:30pm-3:15pm	<p><b>W</b> <b>Corrosion Control Evaluation Triggers</b> Amanda Canida, Black &amp; Veatch; Emily Tummons, Black &amp; Veatch</p>	<p><b>B</b> <b>Cyber Threat Landscape and Proactive Defense for the Water and Wastewater Systems Sector</b> Jennifer Walker, WaterISAC</p>	<p><b>WW</b> <b>Maintenance of Plant Operations (MOPO) – Keeping it all Going at the Washington Court House WWTP</b> Melanie Gamez, Jacobs; Larry Kramer, Dugan &amp; Meyers; Chris Grigsby, City of Washington Court House</p>	<p><b>WW</b> <b>High-Rate Treatment for Sandusky: Keeping CSO At (and Out of the) Bay</b> Mark Loria, Stantec; Jeffrey Meinert, City of Sandusky</p>
3:30pm-4:15pm	<p><b>WW</b> <b>Curving Concrete Pipe: What a Relief</b> Kevin Wojciechowski, GPD Group; Cecilia Mazzei, City of Cleveland - Division of Water Pollution Control</p>	<p><b>B</b> <b>PANEL: Utility Management Master Class: Managing a Pandemic, a Recession, and Regulation</b></p>	<p><b>B</b> <b>Improving Treatment Chemical Pricing and Resiliency</b> James Springer, Greater Cincinnati Water Works; Charlie Miller, Chemicals, Inc.</p>	<p><b>WW</b> <b>Retrofitting OECC's Existing Traveling Bridge Sand Filters to Upgraded Disc Filter Operation</b> Marshall Yarnell, Delaware County Regional Sewer District; Zeke Morris, Arcadis</p>
4:30pm-5:15pm	<p><b>W</b> <b>Moving Beyond the Basics: Advanced Applications of Water Quality Modeling</b> Ben Chenevey, Arcadis</p>	<p><b>B</b> <b>PANEL: The Dating Game – Workforce Recruitment, Development and Retention</b></p>	<p><b>WW</b> <b>The Challenges of Phosphorus to Wastewater Management</b> Tyler York, Black &amp; Veatch; Rob Smith, Black &amp; Veatch</p>	<p><b>WW</b> <b>Double Duty – Union's Innovative Way of Saving Project Cost</b> Lindsey Hassenauer, Hazen and Sawyer; Dan Miklos, Hazen and Sawyer; John Applegate, City of Union; Marlin Applegate, City of Union</p>

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**B** = Both

**YP** = YP Award Winner

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**X** = Other



# WEDNESDAY | July 27

## Technical Sessions

	Wastewater Treatment	Drinking Water Treatment	Leadership and Workforce Diversity
7:45am-9:30am	<p><b>WW</b> <b>Process Advisory Twin for Operations Support at T.Z. Osborne WRF</b> Alyssa Mayer, Hazen</p>	<p><b>W</b> <b>Nottingham WTP Sedimentation Basin Improvements - A One-of-a-Kind Sludge Collection System</b> Steve Wyman, CDM Smith; Adam Basile, Cleveland Division of Water</p>	
8:45am-9:30am	<p><b>WW</b> <b>Upgrades at a Small Plant- Waynesville's Experience</b> Dinesh Palaniswamy, Jacobs; Debbie Schafer, Jacobs; Chris Brausch, Warren County Water and Sewer Department</p>	<p><b>W</b> <b>The Ashtabula Story - Delivering New Water Plant Upgrades to Improve Performance</b> Adam Arnold, HDR; Nicholas Sanford, Aqua Ohio; Nicholas Ritenour, The Great Lakes Construction Co.; Rich Atoulikian, HDR</p>	<p><b>B</b> <b>The Great Resignation: Why DEI Matters to Your Workforce</b> Donnell Duncan, Arcadis</p>
9:45am-10:30am	<p><b>WW</b> <b>Intensification Processes for Wastewater Treatment Plants</b> Jamie Mills, Strand Associates</p>	<p><b>W</b> <b>Baldwin Filter Underdrain Replacement</b> Maggie Rogers, Cleveland Water; Ed St. John, CDM Smith</p>	<p><b>B</b> <b>Workplace Culture: Defining Your Organizational Success</b> Steven Thompson, Burns and McDonnell; Allison White, Burns &amp; McDonnell</p>
10:45am-11:30am	<p><b>WW</b> <b>Implementing Phase I Improvements to meet a Long-Term Control Plan</b> Scott Phipps, Hazen</p>	<p><b>W</b> <b>Kirtland Crib Rehabilitation - Renovating a Cleveland Landmark Set in Lake Erie</b> Edward St. John, CDM Smith; Becky Andrus, Cleveland Water</p>	<p><b>B</b> <b>Cultivating Diversity: A Win for People and Company Profitability - ms consultants</b> Krystal Paisley, ms consultants; Monica Mosure, ms consultants; Kari Mackenback, ms consultants</p>
11:45am-12:30pm	<p><b>WW</b> <b>The Low Down on Akron's High Rate BioCEPT Treatment System</b> Mike Starkey, Burgess &amp; Niple; Stephen Baytos, City of Akron</p>	<p><b>W</b> <b>Effect of Drinking Water Treatment Processes on the Integrity of Cyanobacteria Cells</b> Dane Elliott, The Ohio State University</p>	<p><b>B</b> <b>Mindful Management: Building an Inclusive Workplace</b> Denita Bonhart, Cleveland Water</p>
	Wastewater Treatment	Sourcewater	Maintenance
2:30pm-3:15pm	<p><b>WW</b> <b>Startup of Sidestream Deammonification to Increase Sustainability of Biosolids Beneficial Use</b> Annaka Ruther, Black &amp; Veatch; Scott Redd, Black &amp; Veatch; Jim Fitzpatrick, Black &amp; Veatch</p>	<p><b>W</b> <b>Ultrasonic degradation of per- and polyfluoroalkyl substances</b> William Fagan, The Ohio State University</p>	<p><b>B</b> <b>Implementing CMMS for Major Wastewater Utility to Manage Plant and Collection Systems Assets</b> Meg Shively, NEORS; Brian Villers, NEORS</p>
3:30pm-4:15pm	<p><b>WW</b> <b>Making the Old New: Digital and Physical Modeling to Improve Design and Reduce Construction Costs</b> Randall Berkley, Jacobs</p>	<p><b>W</b> <b>2020 and 2021 Dead Zone Experiences and What Cleveland Water Learned</b> Scott Moegling, Cleveland Water</p>	<p><b>W</b> <b>Implementing Unidirectional Flushing: Lessons Learned from a Pilot Program</b> Erika Hernandez, Arcadis</p>
4:30pm-5:15pm	<p><b>WW</b> <b>O&amp;M and Cost Benefits of Aerobic Digestion at Washington Court House: Planning, Design &amp; Operation</b> Christy McCarthy, Jacobs; Chris Grigsby, City of Washington Court House</p>	<p><b>W</b> <b>PFAS Occurrence in the Ohio River: Results from ORSANCO's Ambient PFAS Sampling Project and GCWW's</b> Richard Harrison, Ohio River Valley Water Sanitation Commission; Bruce Whiteberry, Greater Cincinnati Water Works</p>	<p><b>W</b> <b>Optimizing Filters through a Filter Surveillance Program</b> Matthew Charles, Hazen</p>

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# WEDNESDAY | July 27

## Technical Sessions

	Customer Service	Pipeline Improvements	Asset Management
7:45am-8:30am			
8:45am-9:30am	<p><b>W</b> <b>The ABCs of LSLRs: Lessons learned from designing and implementing a Childcare Lead Service Line Rem</b> Brenda Culler, Cleveland Water; Bryan Rask, Cleveland Water</p>	<p><b>WW</b> <b>New Sewer Collection and Treatment Systems for a Small Community – Challenges and Opportunities</b> Hanbae Yang, IBI Group; Mitch Altier, IBI Group; Sven Wiberg, IBI Group; Randy Stroll, IBI Group</p>	<p><b>B</b> <b>Improving Water Main Capital Planning through a Data-Driven Prioritization Tool</b> Yeongho Lee, Greater Cincinnati Water Works</p>
9:45am-10:30am	<p><b>B</b> <b>Going The Extra Mile Post Pandemic</b> Kim Spiert, City of Columbus</p>	<p><b>WW</b> <b>Columbus OARS CSO Tunnel Debris Removal</b> Hasan Alkhayri, Hatch Associates Consultants Inc.</p>	<p><b>B</b> <b>Demystifying Digital Twins in the Water Sector</b> James Cooper, Arcadis</p>
10:45am-11:30am	<p><b>B</b> <b>Providing Customer Service with Data Logs</b> David Coffey, Montgomery County Environmental Services</p>	<p><b>W</b> <b>Planning, Procuring, and Implementing AMI Systems</b> Michael Rotunno, Arcadis; Kenneth Stewart, Greene County</p>	<p><b>W</b> <b>Lead and Copper Rule Revisions – Case Studies on Ways to Simplify Compliance</b> Emily Tummons, Black &amp; Veatch; Amanda Canida, Black &amp; Veatch</p>
11:45am-12:30pm	<p><b>W</b> <b>You Can't Make This Stuff Up, 2.</b> Brenda Culler, Cleveland Water; Scott Moegling, Cleveland Water</p>	<p><b>WW</b> <b>CSO Control in the Derby City</b> Tim Pringle, Hazen; Kelley Florence, Hazen</p>	<p><b>W</b> <b>Middletown's Resilience and Reliability Journey</b> Nakita Lancaster, City of Middletown; Chad Roby, Jacobs</p>
	Potpourri	Utility Management	Asset Management
2:30pm-3:15pm	<p><b>B</b> <b>To Sequence or Not; How Involved is Your Construction Sequencing</b> Charles Shasho, City of Youngstown; Said AbouAbdallah, Arcadis US, Inc.</p>	<p><b>B</b> <b>Equity in Infrastructure: Rebuilding East Cleveland Together</b> Alex Litofsky, OHM Advisors; Keshia Chambers, OHM Advisors; Christine Umerley, NEORS; William Fussner, NEORS</p>	<p><b>W</b> <b>Predicting lead service lines to inventory, replace, and better public health and the environment</b> Costas Kontos, AECOM; Christopher Pawlowski, AECOM</p>
3:30pm-4:15pm	<p><b>W</b> <b>Developing an Ozone Design Standard for Ohio PWSs; New Design Criteria for Plan Approval</b> Josh Fuchs, The Ohio State University</p>	<p><b>B</b> <b>Current Trends and Politics in Privatizing, Regionalizing, and Partnering in Water</b> Glenn Marzluf, Del-Co Water</p>	<p><b>B</b> <b>How Asset Prioritization leads to focused Maintenance Decisions</b> Steven Schneider, NEORS</p>
4:30pm-5:15pm	<p><b>B</b> <b>A Tale of Two CMAR Projects: Increasing Owner Control and Mitigating Material Cost Escalation</b> Justin Waid, City of Wapakoneta; Chad Roby, Jacobs; Rob Knapke, Peterson Construction Company</p>	<p><b>B</b> <b>Environmental Justice: Considerations for Future Infrastructure Development</b> Eric Sokol, Burns and McDonnell</p>	<p><b>B</b> <b>The Best Laid Plans - Challenges and Lessons Learned Operating During Rehabilitation</b> Mike Nixon, City of Lancaster; Kimberly Seidelmann, Arcadis</p>

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# One Water

## THURSDAY | July 28

### Technical Sessions

	Regulatory	Stormwater	Utility Management
8:00am-8:45am	<p><b>W</b> Ohio EPA Updates - DDAGW  <b>OM</b> Amy Jo Klei, Ohio EPA</p>		
9:00am-9:45am	<p><b>WW</b> Ohio EPA Updates - DSW  <b>OM</b> David Emerman, Ohio EPA</p>		
10:00am-10:45am	<p><b>W</b> LCRR: The Good, the Bad, and the Ugly-  <b>OM</b> Cleveland Water's Approach to Implementation            Maggie Rogers, Cleveland Water</p>	<p><b>WW</b> Startup of Dual-Use Filters Solves Both Dry  <b>OM</b> and Wet-Weather Issues            Jim Fitzpatrick, Black &amp; Veatch</p>	<p><b>B</b> Utility Federal Funding Update: American  <b>X</b> Rescue Plan and Infrastructure Act            Doug Baldessari, Baker Tilly Municipal Advisors;            Timothy Murphy, Civil &amp; Environmental            Consultants, Inc.</p>
11:00am-11:45am	<p><b>B</b> Euclid's NPDES Permit and New Frontiers in  <b>OM</b> Nutrient Regulation            Louis McMahon, McMahon DeGulis LLP; Lee            Slone, McMahon DeGulis LLP</p>	<p><b>B</b> Design-Build-Operate Pump Station  <b>OM</b> Renovation  <b>YP</b> Nicholas Steyer, Mosser Construction, Inc.</p>	<p><b>B</b> You Need What and When - Planning and  <b>X</b> Communication Paves the Way For Swift            Growth            Denise Crews, City of Lancaster; Chad Dunn,            Arcadis</p>
12:00pm-12:45pm	<p><b>WW</b> The Maumee Watershed Nutrient TMDL: What's  <b>OM</b> next for the WLEB?            Elizabeth Toot-Levy, Geosyntec Consultants</p>	<p><b>WW</b> Effective CSO Separation in Middletown using  <b>OM</b> Progressive Design/Build            Jeff Macomber, Hazen; Nakita Lancaster. City            of Middletown; Eric Meister, Ulliman Schutte            Construction; Shawn Loew, Brown and Caldwell</p>	<p><b>B</b> Major Water Users Changes in Water Use  <b>X</b> Patterns During the Pandemic            Alex Margevicius, Cleveland Water</p>
	<b>Ethics</b>		
1:15pm-2:15pm	<p><b>B</b> The Ohio Ethics Law 2022: Watching Our Step!  <b>X</b> Susan Willeke, Ohio Ethics Commission</p>		
2:30pm-3:30pm	<p><b>B</b> Engineering Ethics: a Lawyer's Perspective  <b>X</b> Louis McMahon, McMahon DeGulis LLP</p>		

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