



One Water

TUESDAY | July 27

Technical Sessions

	Distribution	Wastewater Treatment	Water Treatment	Potpourri
10:45am-11:30am	<p>W Using Artificial Intelligence to Reduce Lead Exposure and Promote Environmental Justice Ian Robinson, Blue Conduit; Mark Riley, City of Toledo</p>	<p>WW Construction, Commissioning and Start Up of the World's First Advanced Biological Nutrient Recovery Jordan Lind, CLEARAS Water Recovery</p>	<p>W Lead Corrosion Control Optimization Program - One Success Story Kemal Niksic, Mott MacDonald</p>	<p>WW 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>W Building and Utilizing a Brand-New Water Distribution Model in 2020 Brent Burrier, City of Canton; Ben Chenevey, Arcadis</p>	<p>WW Methane Recovery for Philip Q. Maiorana WWTP YP Abby Slates, Case Western Reserve University; Andi Chakraborty, Case Western Reserve University; Sofie Iwamasa, Case Western Reserve University</p>	<p>W New Clearwell at GCWW's RMP Facilitates Critical Rehabilitation and Enhances Flexibility William Leadbitter, Hazen and Sawyer; Matthew Charles; Hazen and Sawyer</p>	<p>WW 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>W Lead Service Line Replacement Programs: Getting the Lead Out Within Your Constraints Ed St. John, CDM Smith; Jeannie Rosser, CDM Smith</p>	<p>WW Microbiology and Process Modeling for Biological Phosphorus Removal YP Mark Loria, Stantec</p>	<p>W Commissioning a New Water Treatment Plant in St. Marys, OH Jake Meinerding, Jones & Henry Engineers; Jeff Thompson, City of St. Mary's; Bryan Bailey, Jones & Henry Engineers</p>	<p>B Stealth Mode: Innovation Program Reactivated at NEORS YP Joanna Brunner, Arcadis; Jeffrey Duke, Northeast Ohio Regional Sewer District</p>
3:30pm-4:15pm	<p>W Implementing Significant Distribution Improvements: Toledo's Evaluation Approach and Outcomes Andrea Kroma, City of Toledo; Jim Cooper, Arcadis</p>	<p>WW Upper Tuscarawas Sampling and Optimization Study Christen Wood, Summit County</p>	<p>W Navigating the HAB General Plan Process: Lessons Learned in Toledo Amanda Canida, Black & Veatch; Nick Burns, Black & Veatch</p>	<p>B Current trends in utility financing Doug Baldessari, Baker Tilly Municipal Advisors, LLP; Ken Heigel, Ohio Water Development Authority</p>
4:30pm-5:15pm	<p>W Distribution Network THM Mitigation in Consecutive and Wholesale Water Systems Tom Caulfield, UGSI Solutions</p>	<p>WW City of Dayton: A Case Study in Planning for Total Phosphorus Limits at a Water Reclamation Facility Sarah Hunt, Arcadis</p>	<p>W Assessment of Enhanced Treatment Techniques for TOC and Organic Contaminant Removals to Reduce DBPs Marvin Gnagy, PMG Consulting, Inc.</p>	<p>B COVID-19 Impacts on Utilities in 2020 and Forward-Looking Strategies Erik Johnson, Raftelis; Kay Ball, Northwestern Water and Sewer District</p>

W = Drinking Water

WW = Wastewater

B = Both

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WEDNESDAY | July 28

Technical Sessions

	Collections	Water Treatment	Wastewater Treatment
7:45am-8:30am	<p>ww Collection System Horror Stories: Modeling of Wilmington & Crestline to Eliminate SSOs Jeremy Cook, Prime AE Group, Inc.; Bryana Zuiderweg, Prime AE Group, Inc.</p>	<p>w Mitigating High TDS in Water Treatment Plants through Surface Assisted Crystallization (SACr) Kayla Piezer, Applied Environmental Solutions</p>	
8:45am-9:30am	<p>ww Tips to Identifying the Best Fit Wet-Weather Storage and Treatment Technology Dakota DeRoche, Burgess & Niple; Greg Powell, Louisville & Jefferson County Metropolitan Sewer District (MSD)</p>	<p>w Adaptation of Empirical Models for Assessing Competitive PFAS Breakthrough Curves Henry Croll, Stantec</p>	<p>ww Results from Some of the First Full-Scale WRRFs with Process Intensification Mark Strahota, Hazen and Sawyer; Wendell Khunjar, Hazen and Sawyer</p>
9:45am-10:30am	<p>ww Live Modeling Implementation for Collection Systems: Lessons Learned Nathan Gerdtts, Innovyze</p>	<p>Related session yet to be confirmed</p>	<p>ww 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</p>
10:45am-11:30am	<p>ww A Second Look At CSO Control - City of Fostoria LTCP Improvements Adam Athmer, Strand Associates, Inc.; Todd Jenkins, City of Fostoria</p>	<p>w Electrofiltration: Application of an Electric Field to Alpha Alumina Microfiltration YP Viny Anderson, The Ohio State University</p>	<p>ww Improved BNR Performance Through Selective Sludge Wasting Daniel Dair, World Water Works</p>
11:45am-12:30pm	<p>ww Meeting Consent Decree Cleaning and CCTV Schedule Using City and Contractor Crews Matthew St. Pierre, Wade Trim</p>	<p>w Determination of the Effectiveness of GAC for the Removal of PFAS Precursor Compounds Casey Theys, Calgon Carbon Corporation</p>	<p>ww Southerly CEPT: Start up and Operational Demonstration Kurt Kinney, Arcadis; Christie Ruffner, Burgess & Niple</p>
	Collections	Water Treatment	Utility Management
2:30pm-3:15pm	<p>ww Akron Hazel Storage Basin - A True Optimization Story James Shamrock, ms consultants, inc.</p>	<p>w Longitudinal Comparison of Water and Biofilm Microbial Communities after UV LED versus Chlorine Disinfection YP Yijing Liu, The Ohio State University</p>	<p>B Operational Technology (OT) Cybersecurity Guiding Principles James Schultz, HDR, Inc.</p>
3:30pm-4:15pm	<p>ww Akron Hazel Storage Basin - A True Optimization Story James Shamrock, ms consultants, inc.</p>	<p>w Softening Improvements at the Harrison WTP Brian Phillips, Fishbeck; Pooja Chari, Fishbeck</p>	<p>B New Affordability Guidance Provides More Flexibility to Utilities Joe Crea, Raftelis</p>
4:30pm-5:15pm	<p>ww Dynamic Modeling of Sanitary Sewer Collection Systems Bo Copeland, Hazen and Sawyer; Anthony Carlisle, Hazen and Sawyer</p>	<p>w Long-Term Planning for Redundancy and Reliability Jennie Celik, HDR Engineering Inc.; Robert Munro, Avon Lake Regional Water</p>	<p>B Digital Transformation: Becoming A Data-Driven Utility Glenn Marzluf, Del-Co Water Company</p>

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WEDNESDAY | July 28

Technical Sessions

	Sourcewater	Asset Management	Potpourri
7:45am-8:30am	<p>B Use of Cascading Systems in Agricultural Floodways to Reduce Nutrient Loads to Waters of the State Kim Furry, Alloway</p>	<p>WW Balancing Current Infrastructure Needs While Maintaining Future Vision: Valparaiso City Utilities Kisch Eisenbroek, Stantec</p>	
8:45am-9:30am	<p>W Pretreatment Upgrade helps Utility with Source Water Microcystin Challenges Emma van Dommelen, Hazen and Sawyer</p>	<p>W City of Akron - Approach to Asset Management Planning and Risk and Resilience Assessments Nick Marshall, City of Akron; Sara Ferrara, Arcadis</p>	<p>WW Columbus Southerly WWTP Digestion: Advantages of Surface Withdrawal Dante Fiorino, Brown and Caldwell; John Willis, Brown and Caldwell</p>
9:45am-10:30am	<p>W Treatment of Rapidly Fluctuating Manganese Concentrations at a Groundwater Treatment Plant Anton Rosi, Strand Associates, Inc.</p>	<p>B Leveraging an Advanced Asset Management Framework to Optimize Investment Decisions Kevin Slaven, Arcadis</p>	<p>WW Innovative Slip Lining of Large Diameter Main and Test of Risk And Resiliency, when things go wrong Kris Ruggles, Strand Associates, inc.</p>
10:45am-11:30am	<p>W Applying asset management principles to wellfields for sustainable groundwater supply Stuart Smith, Ground Water Science</p>	<p>B Montgomery County's Vertical Asset Management Program Jeff Macomber, Hazen and Sawyer</p>	<p>B Alternative Delivery of Water & Wastewater Treatment Facilities in Ohio: What We've Learned So Far Rob Knapke, Peterson Construction Company</p>
11:45am-12:30pm	<p>W Development of Model-Based Water Demand Forecast and Water Supply Plan for Columbus Water Lisa Jeffrey, Hazen and Sawyer; Jack Kiefer, Hazen and Sawyer</p>	<p>W Planning for the Future: Asset Management and Capacity Expansion in the City of Wadsworth Gina Brescilli, City of Wadsworth; Isabelle Hammer, Stantec</p>	<p>W The Question Remains: What's Leaching from the Membrane? YP Alma Beciragic, University of North Carolina at Chapel Hill</p>
	Efficiency/Sustainability	Green Technologies/Stormwater	Potpourri
2:30pm-3:15pm	<p>WW Specifying and Verifying Performance of Aeration Blower Systems on a Wire to Air Basis, ASME PTC13 i Alessandro Lequio, Lone Star Blower</p>	<p>WW 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>W Large Diameter PCCP Water Main in Historic Cincinnati Katie Nolan, Gresham Smith; Jeff Strobl, Gresham Smith</p>
3:30pm-4:15pm	<p>WW Monticello, Indiana WWTP Improvements; A case study in CSOs and Advanced Nutrient Removal D. Adam Downey</p>	<p>WW Constructive Lessons from a Sewer Separation Project Cody Allison, Arcadis; Steven Wellstead, City of Lancaster</p>	<p>WW Innovative Improvements to Biosolids Odors at Upper Mill Creek WRF Jeff Fretchling, Butler County Water & Sewer; Jeremy Hamel, Butler County Water & Sewer</p>
4:30pm-5:15pm	<p>B Achieving Operational Cost Savings for a Sustainable Intelligent Water Future Jim Cooper, Arcadis</p>	<p>B High Tech Tools Streamline Data Collection for CHALET Stormwater Master Plan Joe Blackwell, Wade Trim</p>	<p>WW Thermal Hydrolysis Process: is it the right solution for your anaerobic digesters? Engin Guven, Black & Veatch; Dawn Taylor, Medina County Sanitary Engineer</p>

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THURSDAY | July 29

Technical Sessions

	Regulatory	Operations	Wastewater Treatment	Maintenance
8:00am-8:45am	<p>W Ohio EPA Updates - DDAGW Amy Jo Klei, Ohio EPA</p>			
9:00am-9:45am	<p>WW Ohio EPA Updates - DSW Tiffani Kavalec, Ohio EPA</p>			
10:00am-10:45am	<p>W Making AWIA Work for YOU! - Getting the Most Value From Your Risk Assessment Susan Wyatt, Arcadis</p>	<p>WW Improvements in Ammonia-Based Aeration Control (ABAC) Benjamin Barker, YSI Inc, a Xylem Brand</p>	<p>B Balancing SRT and Selector Zone F/M for Granulation Resulting in Improved Sludge Settling Theresa Kopper, CDM Smith; James Boyd, Greene County, Ohio</p>	<p>W Strategies for Tank Maintenance & Asset Management Dan Frum, Suez Advanced Solutions</p>
11:00am-11:45am	<p>WW The State of Wet Weather Treatment Bob O'Bryan, Black & Veatch</p>	<p>WW Low Cost Phosphorus Removal by Repurposing Infrastructure Robert Smith, Black & Veatch</p>	<p>WW Assessing Performance and Upgrading a Twenty-Year-Old HRT Lindsey Hassenauer, Hazen and Sawyer; Tony Klimek, Metropolitan Sewer District of Greater Cincinnati</p>	<p>Related session yet to be confirmed</p>
	Ethics	Operations	Wastewater Treatment	Potpourri
12:15pm-1:00pm	<p>Related session yet to be confirmed</p>	<p>Related session yet to be confirmed</p>	<p>Related session yet to be confirmed</p>	<p>W Lead Corrosion Control Optimization Program - Lead Has Beautiful Profiles John Civardi, Mott MacDonald</p>
1:15pm-2:00pm	<p>B The Ohio Ethics Law: Water Professionals and Conflicts of Interest Susan Willeke, Ohio Ethics Commission</p>	<p>WW Field Testing and Physical Modeling to Solve a 20 Year Pump Hydraulic Problem for Montgomery County Adam Arnold, HDR, Inc.; Rich Atoulkian, HDR, Inc.</p>	<p>Related session yet to be confirmed</p>	<p>B Balancing Corrosion Control Treatment with Wastewater Nutrient Limits Emily Tummons, Black & Veatch</p>
2:15pm-3:00pm	<p>B The Ohio Ethics Law: Water Professionals and Gifts Susan Willeke, Ohio Ethics Commission</p>	<p>W Optimized Treatment Operations and Management during a Pandemic Christopher Miller, Fontus Blue; Matt Ebie, City of Akron</p>	<p>WW New Primary Bio-Filter Achieves High-Rate Treatment for Wet-Weather Inflows Jon Liberzon, Tomorrow Water (BKT); Joseph Goergen, Genesee County Drain Commissioner-WWS</p>	<p>W Accumulation and release of arsenic from an old cast iron drinking water main Min Tang, USEPA; Darren Lytle, USEPA</p>
3:15pm-4:00pm	<p>B The Ohio Ethics Law: Water Professionals and Public Contracts Susan Willeke, Ohio Ethics Commission</p>	<p>WW Low-Cost Nitrogen Removal and Optimization Alyssa Mayer, Hazen and Sawyer</p>	<p>WW Winning the War Against Wipes Brandon Leeth, JWC Environmental</p>	<p>W Technology Solutions to Non-revenue Water Problems Mark Beatty, Utility Technologies, LLC</p>

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