



THURSDAY TECHNICAL SESSIONS

	SOURCEWATER	TREATMENT	UTILITY/ASSET MANAGEMENT
7:50 - 8:20 AM	Unique Tunnel Riverbank Filtration System Works to Supply Louisville with Filtered Water Henry Hunt, <i>Layne</i>	Innovative Upgrades to a 53 Year Old WTP for HABs, Crypto and Whatever Else the Maumee River Brings Rob Shoaf, <i>AECOM</i> ; Scott Hoover, <i>City of Napoleon</i>	City of Columbus DOW Vulnerability Assessment Sarah Moore, <i>City of Columbus</i> ; Kurt Kinney, <i>Arcadis</i>
8:20 - 8:30 AM	BREAK	BREAK	BREAK
8:30 - 9:00 AM	Michigan City DOWW West Intake Extension Stan Diamond, <i>Wessler Engineering</i>	Cleveland Water Treatability Study for Cuyahoga River Dredging Material Chuck Smith & Scott Moegling, <i>Cleveland Water</i>	Managing Generational Attitudes in the Utility Workforce Roy Mundy, <i>McWane, Inc.</i>
9:00 - 9:10 AM	BREAK	BREAK	BREAK
9:10 - 9:40 AM	Bio-Inspired Robotics and Open-Water Filtration Mechanisms for Harmful Algal Bloom Mitigation Brian Trease & Adam Schroeder, <i>University of Toledo</i>	Toledo Collins Park WTP 40 MGD Plant Addition Design Considerations and Challenges Kurt Smith & Jack Kane, <i>Arcadis</i> ; Jim Donnell, <i>City of Toledo</i>	The Three R's of Water System Operation: Renewal, Redundancy and Readiness Karen Hawkins & Lance Livesay, <i>City of Fairborn</i>
9:40 - 9:50 AM	BREAK	BREAK	BREAK
9:50 - 10:20 AM	Cyanotoxin Incidence and Control Nick Burns, <i>Black & Veatch</i> ; Warren Henry & Andy McClure, <i>City of Toledo</i>	You Can't Make This Stuff Up - Water Quality Calls Scott Moegling & Chuck Smith, <i>Cleveland Water</i>	Asset Management Required Space Needed Brad Lowery, <i>Jones & Henry Engineering</i> ; Jake Goetz, <i>City of Toledo</i> ; Andy Welch, <i>Thomas Porter Architects</i>
10:20 - 10:30 AM	BREAK	BREAK	BREAK
10:30 - 11:00 AM	Use of Real-Time Sondes to Support HABs Monitoring Ed Verhamme, <i>LimnoTech</i>	Innovative Approach to Expanding the Olentangy WTP Bret Casey, <i>Hazen and Sawyer</i> ; Spencer Sheldon, <i>Del-Co Water</i>	The Art of Water Rate Setting in a Water Utility Ramesh Kashinkunti, Verna Arnette & Cathy Bailey, <i>Greater Cincinnati Water Works</i>
11:00 - 11:10 AM	BREAK	BREAK	BREAK
11:10 - 11:40 AM	Applications of CO₃: Removing Contaminants of Emerging Concern by UV/NO₃-/HCO₃ in Water Reuse and Detoxification Ying Huang, <i>University of Cincinnati</i>	Don't Let Manganese Become Your Boogeyman Bob Hulsey, <i>Black & Veatch</i>	De-Mystifying Effective Asset Management Programs Bryan Dickerson, <i>Black & Veatch</i>
	DISTRIBUTION	TREATMENT	CUSTOMER SERVICE
1:20 - 1:50 PM	Flint's Path to Distribution System Optimization Rebecca Slabaugh & James Cooper, <i>Arcadis</i>	HHACP: An Outcome -Focused Process Control Approach Matt Charles, Troy Walker & Ben Stanford <i>Hazen and Sawyer</i>	Diversifying Customer Service Abby Arnold, <i>City of Toledo</i>
1:50 - 2:00 PM	BREAK	BREAK	BREAK
2:00 - 2:30 PM	Proactive Control KPI - Quantifying a Utility's Ability to Respond to Disruptions Dave Lewis, <i>Wachs Water Services</i>	Evaluating Removal of Microcystin-LR From Drinking Water with Varying Amounts of NOM Preloading Mac Kelley, <i>USEPA</i>	Diversifying Customer Service (continued) Abby Arnold, <i>City of Toledo</i>
2:30 - 2:40 PM	BREAK	BREAK	BREAK
2:40 - 3:10 PM	Uni-Directional Flushing: Is it worth it? Benefits and Lessons Learned from a Pilot Program Christie Ogino & Dante Fiorino, <i>Brown and Caldwell</i>	Hands-on Upgrade - The City of Painesville Water Treatment Plant's Approach to Upgrading their Filter Valves and Controls Tim McCann, <i>AECOM</i> ; Frank McKeon, <i>City of Painesville</i>	Community Services Available to Utility Customers Cheryl Grice, <i>Pathways</i>
3:10 - 3:20 PM	BREAK	BREAK	BREAK
3:20 - 3:50 PM	Home Plumbing Simulator for the Study of Copper and Lead Corrosion and Release, Disinfectant Demand, Biofilm Activity and General Water Quality Darren Lytle, <i>USEPA</i>	Effect of Biofilm Formation on the Removal of MC-LR in Granular Activated Carbon Filters Youchul Jeon, <i>University of Toledo</i>	Updating Your Technology without Losing Your Staff or Your Mind (Panel) Diana Steck, <i>My Software Solutions</i> ; Ray Schwarz, <i>NECO Water</i> ; Caryn Dachner, <i>City of Westerville</i> ; Kelly O'Brien, <i>City of Toledo</i>
3:50 - 4:00 PM	BREAK	BREAK	
4:00 - 4:30 PM	Current Technologies in Water Loss Management Mark Beatty, <i>Utility Technologies</i>	Operations and Construction Support for Successful Commissioning and Year One Operations of Ozone Treatment Mike Giangjordano, <i>CH2M</i> ; Scott Lockhart, <i>City of Columbus</i>	
4:30 - 4:40 PM	BREAK	BREAK	
4:40 - 5:10 PM	Air Valves Can Create Significant Pressure Spikes! System Studies On Pressure Spikes Related To Air Valves Ravi Ravisangar & Brett Farver, <i>Brown and Caldwell</i>	Making Ready for Change Andy McClure, <i>City of Toledo DPU</i>	

FRIDAY TECHNICAL SESSIONS

	REGULATORY	DISTRIBUTION	COLLINS PARK WTP TOUR
7:50 - 8:20 AM	Ohio EPA DDAGW Update Beth Messer, <i>Ohio EPA</i>	Influence of Algal Organic Matter on Biofilm and DBP Formation in Simulated Water Distribution System Lei Li, <i>University of Toledo</i>	  <p>Participants will meet at the Park Inn loop during the 10:20-10:30 technical session break. There is no on-site parking at the Collins Park Plant due to construction. Attendees can expect to be dropped off to Park Inn by 1:30 pm.</p> <p>The Collins Park WTP Tour is worth 2.0 contact hours.</p>
8:20 - 8:30 AM	BREAK	BREAK	
8:30 - 9:00 AM	Illinois Takes on Lead in Schools, Could Ohio be Next? John Donahue, <i>North Park Public Water District</i>	The Pressure to Provide Pressure: Critical Upgrades to the Columbus Water Distribution SCADA System Phil Schmidt & John Gilmore, <i>City of Columbus</i>	
9:00 - 9:10 AM	BREAK	BREAK	
9:10 - 9:40 AM	Distribution System Disruption Update Andy Barenbrock, <i>Ohio EPA</i>	The Facts about Tank Diving Evaluations or Someone is Swimming in Your Tank... How safe are they and YOU?? Jennifer Coon, <i>Tank Industry Consultants</i>	
9:40 - 9:50 AM	BREAK	BREAK	
9:50 - 10:20 AM	Current and Future Opportunities Available Through Ohio's Drinking Water SRF Program Jerome Rouch, <i>Ohio EPA</i>	Improve Efficiency, Maximize Useful Life, Optimize Ease of Operation - Factors that Control Large Capacity/High Horsepower Pump Upgrades Matt Leach & Mike Giangordano, <i>CH2M</i> ; Mark Eppich, <i>City of Columbus</i>	
10:20 - 10:30 AM	BREAK	BREAK	
10:30 - 11:00 AM	Ohio Community Engineering Corps project in Grover Hill, Ohio Dan Barr, <i>ms consultants</i>	Subaqueous HDPE Pipeline Projects Travis Clower, <i>Integrity Aquatic</i>	
11:00 - 11:10 AM	BREAK	BREAK	
11:10 - 11:40 AM	Hot Topics with Ohio EPA, Including Manganese and Corrosion Control Susan Schell, <i>Ohio EPA</i>	Water Distribution System - Analyzing the Impacts of Removing an Elevated Storage Tanks Julio Williams, <i>Environmental Design Group</i>	



Ohio Section

American Water Works Association

TUESDAY RESEARCH WORKSHOP	
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WEDNESDAY VENDOR PRESENTATIONS	
10:20 - 10:50 AM	Calgon Treating Cyanotoxins with Granular Activated Carbon Kendra Ryan, <i>Calgon Carbon Corp</i>
11:30 AM - 12:00 PM	Chloramination and Monochloramine Monitoring Kevin Forsman, <i>SWAN Analytical USA</i>
1:00 - 1:30 PM	A New Method of Monitoring Corrosion in Drinking Water Distribution Systems on a Real-Time Basis John Walsh, <i>InstantMPY LLC</i>
2:10 - 2:40 PM	Innovative Surface Water Plant Filter Control and Optimization Solutions Jason Nord, <i>Industrial Control Systems</i>