

FINAL PROGRAM - 2/26/2025

Monday, April 7, 2025

Time	Room 106A		Room 106B		Room 107A		Room 107B		Room 202A		Room 202B		Room 201 B/C	
	WASTEWATER TREATMENT	PRESENTER	MANAGEMENT	PRESENTER	COLLECTION SYSTEMS	PRESENTER	ENGINEERING	PRESENTER	WATER TREATMENT	PRESENTER	WATER TREATMENT	PRESENTER	MANAGEMENT	PRESENTER
10:00 - 10:45	Cleaning the Waters Way Down Yonder on the Chattahoochee	Morgan Edwards and Raymond Cordon, Barge Design Solutions	MSU Extension Service's SipSafe Program	Justin Palmer, MSU Extension Service/MS Water Resources Research Institute	Biology of a Collection System and Why you Should Care	Stephen Daly, Pennco	Power Factor Correction and Energy Efficiency Optimization in Water Treatment with Practical Application	Solomon Ofori Manu, University of Alabama Birmingham	Water Affordability: The Hidden Costs of Centralized Utilities and Private Wells	Rebecca Etter, Auburn University	A Holistic Approach to Corrosion Control and Water Quality	Brian Dyess, Aqua Smart, Inc.	Water and Wastewater Treatment Plants Facility Conditions Assessments- Evaluating Everything but the Treatment Proces	Leigh Sexton, HDR
10:45 - 11:30	A Well-Mixed Anaerobic Digester is a Happy Digester	Dave Miller, Hayward Gordon Pumps & Mixers	"The Data All Lives in a Yellow Submerged Thing" Corpus Christi Water inspects 101-mile Mary Rhodes Pipeline in a Single Run	Jerry Snead, HDR	Mobile Area Sewer Water and Sewer Service (MAWSS) Industrial Pretreatment Program Review and Update: The Path to Becoming a Benchmark Industrial Pretreatment Program	Glenda Dean, Jacob Engineering	Developing a Reliable Planning Level Sewer Model with Limited Calibration Data	Helen Lu and Dana Raughton, Hazen and Sawyer	Optimizing Microplastic Removal using Biochar	Jiangqiao Song, Univeristy of South Alabama	Water is an Essential Product Provided at a Bargain Price- The Importance of Educating Your Customers About the Value of the Water Service You Provide.	Laura Koon, Alabaster Water	An Agent-Based Approach for Adoption of a Hybrid Sanitary Sewer System as a Socio-Technical System	Christine Robinson and Sean Walker, University of South Alabama
11:30 - 1:15	LUNCH													
	WASTEWATER TREATMENT	PRESENTER	CONTROLS	PRESENTER	COLLECTION SYSTEMS	PRESENTER	ENGINEERING	PRESENTER	WATER TREATMENT	PRESENTER	DISTRIBUTION SYSTEM	PRESENTER	MANAGEMENT	PRESENTER
1:15 - 2:00	Finding the Right Biosolids Management System	Greg Knight, Garver	Transforming Sewer Inspections with AI	Josh Ford, PipeAid and Marc Courville, Athens Utilities	What's Eating on my Pipe? Force Main Corrosion - Causes and Mitigation Strategies	Bryan Gurney, City of Tuscaloosa and Steve Newton, TTL	Simulation-Based Operator Training and ML forecasting for Enhanced Wet Weather Flow Management in Wastewater Systems	Jackson Corley, Jacobs	PFAS Roadmap- Where are we headed?	Gaya Ram Mahan, Hazen and Sawyer	Where do PFAS Go? Tracking PFAS and Organic Fluorine Throughout an Advanced Wastewater Treatment Plant	Sarah Ortbal, University of Alabama	Rapid Condition Assessment as a pavestone on the LRWRA's Asset Management Journey	Trey Tidmore, Garver
2:00 - 2:45	Bioenergy Recovery - What's it Worth to Your Utility	Brian Lisk and Dana Raughton, Hazen and Sawyer	Reinventing the Wheel: Utilizing SCADA for Centralized Data Analytics	Andrew Green, VTScada by Trihedral	How to Rehabilitate Between Planes Landings	Matt Tabor, Garver	Practical Uses for Hydraulic Modeling	Austin Maynard, Krebs Engineering	Adsorption/Separation Alternative to Using RO, GAC and IX for PFAS removal	John Dyson, Aqua-Aerobics Systems, Inc.	How Athens Utilities Saved their Community's Public Protection Classification (ISO Rating)	David Maher, Athens Utilities, and Erin Fleet Barge Design Solutions	Harnessing CCTV, GIS and Asset Management Integration for Proactive Pipeline Management and Risk Reduction	Mark Grabowski, IT Pipes and Joy Cowart, City of Tuscaloosa
2:45 - 3:30	Time Based Secondary Treatment Systems and cloth Media Filtration for Nutrient Removal	Nicholas Fortsas, Aquaaerobic Systems, Inc.	More than Just Alarming	Kevin Stock, STREAMTRIC	Designing and Preparing Wastewater Collection Systems for the Next Hurricane	Josh Halford and Tony Peters, Barge Design Solutions	Slowing Down the Slow Deterioration of Corrosion - Coatings, Materials, Choices and Costs	Sirjon Bradberry, The Ford Meter Box Company	The Pending PFAS MCL - Where are we now?	Bryan Pate, Insite Engineering	Water Main Materials - Performance and Assessment	Heath Hardy, HDR	Making the Case for Termination - The End of Jefferson County's 1996 Sewer Consent Decree	Daniel White, Jefferson County Commission
3:30 - 4:15	Toxicity and Biodegradability of Novel Boronium vs. Conventional Quaternary Ammonium-Based Anti-Microbial Compounds in Wastewater Systems	Noor Shalan and Savannah Tricomi, University of South Alabama	Flow Force: Water Guardians of Event Monitoring	Patrick Williamson, Badger Meter	Innovative Solution in Sewer Infrastructure: Lessons from the 60-inch Mud Island Sanitary Sewer Rehabilitation	Taylor Griswell and Jan Grabowski, Allworld Project Management	Treatment Plant Capacity Evaluations for Water Utilities: A Case Study at a Large Capacity Conventional WTP	Tyler Werk, HDR	You've got a friend in GAC - Roadmap to Compliance with the PFAS MCLs	Angela Rodriguez, Clogon Carbon Corporation	A Novel Approach for Nitrate Removal and Recovery from Wastewater Using Pseudomonas Nitrate Binding Proteins	Daniel Servos and Nidhi Purav, University of South Alabama	Women in Water Roundtable	Maggie Wei, Waggoner and April Nabors, BWWB
4:15 - 5:30	EXHIBIT HALL - HAPPY HOUR													

Tuesday, April 8, 2025

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Time	Room 106A		Room 106B		Room 107A		Room 107B		Room 202A		Room 202B		Room 201 B/C	
	WASTEWATER TREATMENT	PRESENTER	WASTEWATER TREATMENT	PRESENTER	COLLECTION SYSTEMS	PRESENTER	ENGINEERING	PRESENTER	WATER TREATMENT	PRESENTER	WATER TREATMENT	PRESENTER	ROUNDTABLE DISCUSSIONS	PRESENTER
8:45 - 9:30	Operational Strategies For Managing Wet Weather Events	Jeremy Creel, Jefferson County Environmental Services	Beyond the Brown: Master Planing for Biosolids Success	Michael Bullard and Dana Raughton, Hazen and Sawyer	Closed Profile PVC Pipe for Direct Bury and Slipline Without Bypass	Chad Andrews, Underground Solutions	Governance and Consolidation: An Alternatives Analysis for the Prichard Water Works and Sewer Board	Anniestacia Denton, Moonshot Missions and John Young, Prichard WWWSB	Removing Heavy Metals from Reverse Osmosis Concentrates	D. Ricardo Martinez-Vargas, Auburn University	Jackson's Water Recovery: A Story of Collaborative Technology and Passionate People Driving Success Together	Justin Hogue, LEC, Inc.	Fact vs. Fiction: Unveling the Truth in Product Performance Testing	Robert Crumbaugh, Tnemec Company
9:30 - 10:15	Out With the Old and In With the New - UV Disinfection Upgrades at the Valley Creek WRF	Wes Cardwell, Garver Daniel White, Jefferson County Environmental Services	Why Should I be Interested in How Rheology Can Improve Solids Handling	Luke Thompson, HDR	Passive Onsite Disinfection Using Gravel Conveyance System	Salil Raj Aryal, University of South Alabama	How to Protect Your Reputation during a PFAS Crisis: Lessons Learned from Discoveries in Dozens of States	Mike McGill, WaterPIO	Clear Improvement: Implementing Optimized Corrosion Control Technology at Jackson, Mississippi's 110-year-old JH Fewell WTP	Rebecca Venot, Jacobs	Life Cycle Assessment of Onsite Wastewater Treatment and Collection Technologies: A Case Study in the Alabama Black Belt	Rachel Choi, University of South Alabam	Young Professionals Roundtable	Camille Colter, Gresham Smith and Whitney Zirkle, Hazen and Sawyer
10:15 - 11:00	BREAK													
	ETHICS/SUSTAINABILITY	PRESENTER	LABORATORY	PRESENTER	COLLECTION SYSTEM	PRESENTER	COLLECTION SYSTEMS	PRESENTER	WATER TREATMENT	PRESENTER	MANAGEMENT	PRESENTER	ROUNDTABLE DISCUSSIONS	PRESENTER
11:00 - 11:30	A Gallon of Water for Your Query: Sustainable Approaches to Quenching AI's Thirst	Camille Colter and Diana Chumak, Gresham Smith	PFAS Sample Cross-Contamination Caused By Sampling	Lindsay Boone, Pace Labs	Restrained Joints and Horizontal Directional Drilling	John Simpson, McWane Ductile	Leveraging Artificial Intelligence and Machine Learning for Aging Infrastructure	Erin Milano and Adam Byard, Jacobs	O&M Summary of a Ceramic Membrane Drinking Water Plant Installed in 2014	Brian Butters, Purifics Water, Inc.	Achieving Future Capacity Needs in Tertiary Filtration by Retrofitting Existing Infrastructure and Improving Facility Resiliency	Kristy Chycota, Aqua-Aerobic Systems	Utility Round Table	Jeremy Creel, JCESD
11:30 - 12:00	Using Stream Restoration to Protect Sanitary Sewer Assets and Reduce SSOs in Jefferson County	Jarrod Karl, Hazen and Sawyer and Tonya Kelley, Jefferson County Environmental Services	PFAS Regulatory Impacts on Municipalities and Industry	Oscar Martinex, Half and Steve Newton, TTL	How Certainty Pays for Itself	Caroline Dunkel, SediVision	Optimizing your Pumping Facility Design to Reduce Facility Life Cycle Costs	Tim MacVittie, Garver	The Prespectives of the Jackson Water Crisis	Amy McLeod, Jacobs and Terence Byrd, JXN Water	Data Management System in Utility Operations: Insights and Process Lessons from the MS Manual, 4th Edition - A Chairperson's Perspective	Charles Burtron, Teksouth Corporation		
12:00 - 1:15	LUNCH													
	WASTEWATER TREATMENT	PRESENTER	WASTEWATER TREATMENT	PRESENTER	WASTEWATER TREATMENT	PRESENTER	WASTEWATER TREATMENT	PRESENTER	COLLECTION SYSTEMS	PRESENTER	DISTRIBUTION SYSTEM	PRESENTER	WASTEWATER TREATMENT	PRESENTER
1:15 - 2:00	Retrievable Fine Bubble Diffusion Retrofit of Aeration Basins for BNR and Reduction	Mark Mayer with Jaeger Aeration	Impact of Several Biosolids Stabilization Technologies on PFAS	Todd Williams and Partiban Raja, Jacobs	EPA Cybersecurity Guidance for Drinking Water and Wastewater Systems	Karen Edwards-Lindsey, USEPA	pH- Everybody has to run it	Lenette West, Hach	Eliminating FOG and Odor in Your Collection System	Jerry Bidleman, Reliant Water Technologies	Managing and Mitigating TTHMs in Drinking Water Systems: Strategies for Compliance and Public Health Protection	Josh Seidner, USG Water Solutions		

2:00 - 2:45	Leveraging Innovative Technologies for Wastewater and Water Asset Management	Jeff Jackson, Allworld Project Management	Managing PFAS in Wastewater Influent: Treating PFAS in Landfill Leachate	Stuart Jeffcoat, HDR	Minimizing Aeration Energy & Reclaiming Alkalinity for Process Stability at the Grandville Clean Water Plant	Taylor Jordan, Enviromix	Nobody Likes Scum - so remove the wet well!	Preston Cambell, Penn Valley Pump Company	Purusit of Execellence	Jim Marshall, Jackson Thornton & Co	No Silver Bullet - Adopting a Holistic Approach to NRW Recovery	Emma Qual, Ferguson Waterworks	Student Poster Competition	Student Poster Competition
2:45 - 3:30	Fe-Doped Biochar as a Strategic Solution for Phosphorus Management in Agricultural Wastewater	Temitope Popoola, Auburn University	Benefits of Accurate & Precise Sludge Retention Time and Biological Nutrient Removal	Suzanne Lindblom, Hach	Don't "Settle" for Less: integrating Grit Particle Capture Technologies	Jeffery Hunninghake, Smith & Loveless, Inc.	Reconsidering Sustainability in the seleciton of Wastewater Treatment Processes and Euqipment	Bill Foreman, Parkson Corporation	Electrokinetic approach for water management in expansive soil regions	Najibullah Zulfegar, Auburn University	Goal Zero NRW: How A Smart Meter Can Autonomously Find Leaks in your Distribution Network	Blake Michal, Kamstrup	Harnessing the Flexibility of Bolted, Sleeve Type Couplings	Sinjon Bradberry, Ford Meter box Co. Inc.
3:30 - 4:15	EXHIBIT HALL MOBILE SESSIONS (TRACK A - WATER, TRACK B - WASTEWATER)													

Wednesday, April 9, 2025				
Time	Room 201 A		Room 201 B/C	
	REGULATORY UPDATES	PRESENTER	REGULATORY UPDATES	PRESENTER
8:00 - 8:45	MDEQ Wastewater	Bradley Crain, MDEQ	ADEM Drinking Water	Emily Anderson, ADEM
8:45 - 9:30	MSDH Water	William Moody, MSDH	ADEM Wastewater	Dustin Stokes, ADEM
9:30 - 10:15	MS Drinking Water and Clean Water Funding Updates	Harry Gong, MSDH/ Brent Jones, MDEQ	ADEM Drinking Water and Clean Water SRF Updates	Eric Reidy, ADEM
CONFERENCE ENDS				