

DRAFT

Monday, April 3, 2023

Time	Room 106A	Room 106B	Room 107A	Room 107B	Room 202A	Room 202B	Room 201A, 201 B/C	
	WASTEWATER TREATMENT (DECENTRALIZED SYSTEMS)	WASTEWATER TREATMENT	COLLECTION SYSTEM	DATA MANAGEMENT	ADVANCED METERING	WATER TREATMENT	UTILITY MANAGEMENT	
	PRESENTER	PRESENTER	PRESENTER	PRESENTER	PRESENTER	PRESENTER	PRESENTER	
10:00 - 10:45	Phosphate Removal and Recovery Using Iron Augmented Geotextiles Natalia Marquez-University of South Alabama	Changes can be Good: The Story of Aeration Upgrades and Process Changes at Three Oklahoma City WWTPs Annie Jiang and Randal West-Ardurra Group, Inc.	Analyzing the ROI on the Reduction of I & I in a Sanitary Sewer System Jacob Maynard-Krebs Engineering, Inc. and Jimmy Junkin-City of Athens Utilities	A Journey to OT-IT Convergence – Part 1: Defining the Need Dean Ford-Luminary Automation, Cybersecurity, and Engineering and Trey Finch-BWWB	Deployment of the Nation's Largest Cellular AMM/Meter Replacement Project Frank Eskridge-Columbia SC Water and Josh Braman-Jacobs	Keeping Your Customers Aesthetically Pleased with Their Drinking Water: Best Practices for Solving Complex Taste & Odor Issues Brigitte von Oppenfeld and Stuart Joffcoat-HDR	Long Term Borrowing - Evaluating the Advantages and Disadvantages of Revenue Bonds/General Obligation Warrants and State Revolving Fund Bonds Laura Koon and LaDonna Chapman-Atabaster Water Board	
10:45 - 11:30	Hybrid Sand Filter Treatment Harry McCaskill-University of South Alabama	Going Green with Blower Technologies George Graves-Kaeser Compressors, Inc.	Sewer Condition Assessment and Prioritization in a Digital World Courtney Kennedy-Jacobs and Kimberly Michael-City of Tuscaloosa	Automation Communication in the Age of IoT Alan Hubson-VTScada by Trihedra	Dark Territory: Extending your Metering System Beyond Billing into OPERATIONS. Patrick Williamson-Badge Meter	Expanding an Integrated Membrane Surface Water Treatment Plant with a Cohesive Project Delivery Yue Sun-Ardurra Group, Inc.	The Next Step in Water Use Reporting in Alabama Tom Littlepage-Alabama Office of Water Resources	
11:30 - 1:15	LUNCH							
	WASTEWATER TREATMENT (IN BLACK BELT AND UNDERSERVED AREAS)	WASTEWATER TREATMENT	COLLECTION SYSTEM	ASSET MANAGEMENT	DISTRIBUTION SYSTEM	PFAS	UTILITY MANAGEMENT	
	PRESENTER	PRESENTER	PRESENTER	PRESENTER	PRESENTER	PRESENTER	PRESENTER	
1:15 - 2:00	Evaluating Wastewater Affordability Among Users of Sewer Systems and Onsite Wastewater Treatment Systems in Alabama Jillian Macy-Brown-University of Alabama	BNR to Achieve Very Low Effluent Nitrogen Sean Scuras-Garver	How do you know if larger pipe will fix your SSO problem - A case study Stephen King-Hazen and Sawyer	The Importance of Capital Planning and the Role Asset Management Plays David Burton-Waggoner Engineering, Inc.	A Holistic Approach to Water Quality Using Less Phosphorus David Linville-Aqua Smart Inc.	Treatment Strategies for PFAS: Are There Advantages to Incorporating Dual Adsorbents? Scott Grieco-Jacobs	Making a Splash with Digital Water! Matt Manchisi-Kimley-Horn	
2:00 - 2:45	Impacts of Socio-Technical Barriers on the Operations and Maintenance of Decentralized Clustered Wastewater Systems: The Case of Rural Alabama's Black Belt Amal Balchan-University of South Alabama	Aerobic Digestion: Old Challenge, New Innovative Solution! A New Approach to Aerobic Digestion to Enhance Nutrient Removal and Reduce Energy Usage by Over 70% in Comparison with Conventional Designs. Fred Kade-EnviroMix	Developing Solutions for Effective and Optimized Odor and Corrosion Mitigation in Collection Systems Adrian Romero-Jacobs and Gabrielle Sinsky-Jefferson County ESD	Enhancing Your GIS and Technology Environment to Support Next-Level Utility Asset Management Jayson Brunner-CDM Smith	Update on Working Around a Leaning Elevated Water Tank Jason Diaring-Krebs and Laura Koon-Atabaster Water Board	PFAS Treatment and Lessons Learned from a Year-Long Pilot Study Samantha Black-HDR	High Accuracy Asset Data Collection and Mapping of your Water and Wastewater Utilities David Pritchard-Toxian Geospatial & Asset Solutions, LLC.	
2:45 - 3:30	The Life Cycle Analysis of Onsite Wastewater Treatment and Disposal Systems Used in The Alabama Black Belt Rachel Chai-University of South Alabama	Is Polymer a Problem? New Selection Criteria for Sludge Thickening. Josh Benoit-Contrys/CNP	The Future is Here: Artificial Intelligence, Machine Learning and Advanced Pipeline Condition Assessment Technologies Jeff Maler-Garver	Update to How to Build a Vertical Asset Management Program for WRFs Daniel White-Jefferson County ESD	Planning Instead of Reacting – A Story of Bay County's Hydraulic Distribution System Model Erin Fleet-Barge Design Solutions, Inc.	PFAS and NPDES Permits with a Dive into EPA 1633 and Organic Fluorine Methods (TOF, ACF, ECF, TF) Lindsay Boone-PACE	Reducing Your Days of Exposure Gary Sanders-Utility Information Pipeline LLC	
3:30 - 4:15	Land Applications of Treated Wastewater in The Alabama Black Belt Carry Clark-Auburn University	Anaerobic Digesters Operations – Tricks and Traps Adam Parmenter-HDR	With Great Power (Usage), Comes Great Responsibility - Reducing Energy Usage in Water/Wastewater Kirk Mills and Alexa Leslie - Kimley-Horn	MOBILE SESSION (Track A - Water , Track B - Wastewater)		Life Cycle Analysis of a Water Distribution System to Evaluate Aging Effects on Optimal Pipe Replacement Frequency Jonathan Clayton-University of Alabama	Implementation of GAC Filtration to Remove PFAS in Gulf, AL Calib Leach-Krebs Engineering, Inc.	Women in Water Round Table (201C) TBD
4:15 - 5:30	EXHIBIT HALL - HAPPY HOUR							

Tuesday, April 4, 2022

Time	Room 106A	Room 106B	Room 107A	Room 107B	Room 202A	Room 202B	Room 201A, 201 B/C
	WASTEWATER TREATMENT (RESEARCH PAPERS)	WASTEWATER TREATMENT	COLLECTION SYSTEM	SCADA AND CYBERSECURITY	LABORATORY TESTING	WATER TREATMENT	UTILITY MANAGEMENT
	PRESENTER	PRESENTER	PRESENTER	PRESENTER	PRESENTER	PRESENTER	PRESENTER
8:45 - 9:30	Electrooxidation Pathway and Kinetics for Aminomethyl Phosphonic Acid (AMPA) Degradation in Diluted Water Matrices Jiaxiang Zhao-Auburn University	And we're off – Hitting the Ground Running for the Western Area WWTP Expansion Wes Cardwell-Garver and Shane Cook-City of Huntsville Water Pollution Control	Innovative Methods for Collection System Model Calibration & Development Jackson Corley-Jacobs and Doug Cole-MAWS	Guiding You on Your Digital Journey to Implement a Secure SCADA System David Baque and Jake Matti-RED Group	Enzymatic Methods for Testing for Total Coliforms and E. coli in Various Waters Shawn Dubois-IDEXX Laboratories	Losing Your Head: A Startup Story Michael Knapp-Goodwyn Mills Cawood	The Future of Water: The Benefits of Strategic Foresight Matthew Klein-Waggoner Engineering, Inc.
9:30 - 10:15	Direct Electrochemical Reduction of Selenite Zilan Yang-Auburn University	Infiltration Wetlands for Effluent Management Scott Jerrigan-Jacobs	The Sewer Whisperer: "Listen Carefully, Your Sewer is Talking to You" Glen A. Hill, PE-SmartCover Systems	Real World Consequences of SCADA System Cyber-Security Andrew Green-VTScada by Trihedra	The Technology Evolution in Water Processing: Emerging Instrument & Process Optimization Tools Kathryn Grimbail and Stephen Daly-Hach	The Basics of Carbon Dioxide Injection Methods and Equipment for pH Control Michael Dirth-TOMCO2 Systems Company	YP Round Table (201C) TBD
10:15 - 11:00	BREAK						
	COATING SYSTEMS	STORMWATER	COLLECTION SYSTEM	ENGINEERING	WATER LOSS	WATER SERVICE	UTILITY MANAGEMENT
	PRESENTER	PRESENTER	PRESENTER	PRESENTER	PRESENTER	PRESENTER	PRESENTER
11:00 - 11:30	Should Adhesion be the Property Pulling Specifications? William Seawell-Induron Coatings	A Flood of Data – Resilient Stormwater Design for Evolving Storms Caleb Wilson and Cameron Traylor-Gresham Smith	Rehabilitating Pressure Pipe with Complex Geometry: It's Not as Difficult as You Think Jimmy Stewart and Chris MacDonald-CPM Pipelines	Status of the Alabama Dam Safety Program and Why we Should Give a Dam! Steve Newton-TTL, Inc.	Evaluating the Benefits of Comprehensive Leak Detection W. Bradford Gresham-Wachs Water Services, Pure Technologies, Ltd., Xylem, Inc.	Water in the Desert: Summary of a Water Project in Kenya Preston Crowe-Global Concern Incorporated	Utility RoundTable (201 C) TBD
11:30 - 12:00	Coatings for Concrete Water/Wastewater Tanks Brian Huffman-The Sherwin Williams Company	Introduction to Stormwater Management Imad Alkhatib-Waggoner Engineering, Inc.	Exploring Solutions in Pressure Pipe Rehabilitation Chad Andrews-Underground Solutions	Saving Your Ponds - Lagoon Upgrades and Enhancements to Meet Future Needs Justin Bell-Triplepoint Environmental	Aging Water Mains: To Rehabilitate or Replace? Making a Case for NSF-Certified CIP Lining to Help Reduce Water Loss and Close the Funding Gap. Ryan Graham-Vortex Companies	Mission Critical: Water and Sewer Service for Hyperscale Data Centers Luke Burris-Barge Design Solutions, Inc.	
12:00 - 1:15	LUNCH						
	WASTEWATER TREATMENT AND PUMP STATIONS	WASTEWATER TREATMENT	PIPING SYSTEMS	INSTRUMENTATION AND TECHNOLOGY SOLUTIONS	DISTRIBUTION SYSTEM	LEAD AND COPPER RULE	UTILITY MANAGEMENT
	PRESENTER	PRESENTER	PRESENTER	PRESENTER	PRESENTER	PRESENTER	PRESENTER
1:15 - 2:00	Innovative Applications for Pile Cloth Media Filtration Kristy Chycota-Aqua-Aerobic Systems, Inc.	Direct Electricity Generation from Waste Heat of Wastewater Using a Thermoelectric Generator Shiqiang (Nick) Zou-Auburn University	Case Histories of the Oldest Installations of Gray Cast Iron and Ductile Iron Pipe Encased with Polyethylene Allen Cox-Ductile Iron Pipe Research Association	Laser Scanning – How can this next generation technology be used effectively to update your infrastructure asset management and mapping tools? Jacob Bonds and Christine Robinson-School	MOBILE SESSION (Track A - Water , Track B - Wastewater)	AWWA Lead Communications Guide and Toolkit: An Opportunity to Strengthen Trust in Your Community Nick Lull and Trinity Otero-HDR	Teaching Operators to Pass the Certification Test Jeremy Creel-Jefferson County ESD
2:00 - 2:45	Rotating Modification to Increase Reliability and Operability: The Cahaba River WRF Influent Pump Station Case Study Carl Fritzell and Ryan Keefe-CDM Smith	Evaluating Biological Nutrient Removal (BNR) Alternatives Utilizing Process Modeling Software Rusty Tate-Garver	Large Diameter Gate Valves Mitch Mathias and Drew Clayton-AMERICAN Flow Control and James Ballentine-AMERICAN Ductile Iron Pipe	Field Instrument surveys in municipal (water-wastewater) plants Ravi Jithra-WIKA	Disinfection By Product Mitigation – Solving a Chronic Problem in the Big Bend Region of Florida Shakil Amin and Douglas Brown-Mott MacDonald	SpSafe: Lead Testing in Childcare Facilities Nelson McGough-Mississippi Water Resources Research Institute	Improving Efficiency and Effectiveness in Public Works Departments Matthew Klein and Chris Phillips-Waggoner Engineering, Inc.
2:45 - 3:30	Booster Stations... For Wastewater Conveyance??? Charles Starling-Kimley-Horn and Chase Glisson-Jackson County Utility Authority	Stressed Out Because of Your Clarifier's Performance? Try Our 5-point Plan Buhraz Jalili Jalalsh and Annie Jiang-Ardurra Group, Inc.	Evolving Capabilities of Automatic Control Valves Louis Antos-Cla-Val Company	Digital Transformation: A Practical Guide Clifford Brandon-Trimex	Today vs. Tomorrow: Corrosion Control in a Changing Regulatory Environment Jeremy Sukola-Carboline Global, Inc.	Practical Steps for Preparing for the Lead and Copper Rule Revisions and Improvements Ashley Pfifer-Garver	WaterOperator.org - Online Support and Resources for Water & Wastewater Operators Steve Wilson-WaterOperator.org at the University of Illinois
3:30 - 4:15	How to Reduce Servicing Clogged Pumps with New Technology - A Case Study Mark Hickok-Daperon Corporation	Sparks Fly - When Ozone and UV Disinfect: Using Electricity to Break Up Nasty Chemistry Bruce Stevens and William Nozged-Veolia Water Technologies & Solutions	Designing Installations with High Density Polyethylene: Open Cut Construction Aaron Davey and Alan Ambler-The Alliance for PE Pipe	The Art of Technology Solutions Justin Graham-Thrivence (a Barge Design Solutions Company)	How a \$200 Air Release Valve Postponed a \$2,500,000 Booster Pump Station Project by Years – A Valuable Lesson in Air-Locking Eric Dole-Garver	Corrosion Control Treatment Testing for LCRB Compliance Leigh Sexton and Rachel Cohen-HDR	Lakewood City (CA) and Greenville (IN) case study: Improving network performance with a Water Management Platform Luke Butler-Qatium

Wednesday, April 5, 2022

Time	Room 202B	Room 202C
	REGULATORY UPDATES	REGULATORY UPDATES
	PRESENTER	PRESENTER
8:00 - 8:45	MS DEQ Water TBD	ADEM Water TBD
8:45 - 9:30	MSDH Wastewater TBD	ADEM Wastewater TBD
9:30 - 10:15	MS Drinking Water and Clean Water Funding Updates Harry Gong-MS State Department of Health	ADEM Drinking Water and Clean Water SRF Updates TBD

CONFERENCE ENDS