

Monday, July 29, 2019

Time	Room 106A		Room 106B		Room 107A		Room 107B		Room 202A		Room 202B	
TRACT	WATER TREATMENT	PRESENTER	WATER SUPPLY / DISTRIBUTION	PRESENTER	WASTEWATER TREATMENT	PRESENTER	PIPELINES / REHABILITATION	PRESENTER	ENERGY AND DIGITAL SOLUTIONS	PRESENTER	RISK / UTILITY MGMT	PRESENTER
10:00 - 10:30	Granular Activated Carbon Contactor Treatment for PFQA and PFOS Removal – C.B. Collier Water Treatment Plant GAC Contactor Facility	Hazen and Sawyer / Gadsden WW&SB	Lead testing in Drinking Water at Child Care Facilities	Center for Government and Community Development	Is your plant constipated? Improving Anaerobic Digester Efficiency	Constantine Engineering	Big Pipe in the Big Easy	American Ductile Iron Pipe and American SpiralWeld Steel Pipe	Successful Strategies for Energy Cost Management	CDG Engineers & Associates, Inc.	Risk-Based Prioritization of the MAWSS System Master Plan	Jacobs
10:30 - 11:00	Selecting the Right Oxidant for Your Drinking Water Treatment Plant Using Application- and Operations-Based Criteria	Garver	Water in the Third World: Providing Water Supply in Haiti	Heflin Engineering, Inc.	Grit Happens: Designing a Grit Removal System That Works	Hydro International	Horizontal Directional Drilling Utilizing Ductile Iron Pipe	American Cast Iron Pipe Company	Should Our Utility Invest in Solar: a Financial Case for Renewable Energy	Entegry	Emergency Response Plan - It's Not just for the AWIA, but it helps.	South Walton Utility Company
11:00 - 11:30	Aeration TOC Reduction Options	IXOM	Grappling with the Beast – A Discussion of Water Loss Control Methods	Birmingham Water Works Board	Bypass Plants: Continuing Wastewater Service During Major Repairs	AUC Group	Save Time, Money, and Headaches: Choosing the Best HDPE Installation Method	PE Pipe Alliance	GIS: The Morgan Freeman of the Water/Wastewater Engineering Industry	Barge Design Solutions	The IoT (Internet of Things) - Data (Points, Sets, Diverse): It's Big Data that Drives a Risk-Based Approach to Manage Your Utility into the Future	Pure Technologies & Pure Analytics
11:30 - 1:00	LUNCH											
1:00 - 1:30	Evaluating Powdered Activated Carbon, Granular Activated Carbon, and Ion Exchange for Per- and Poly-Fluoroalkyl Substances (PFAS) Removal from Water	HDR	Storage Tank Mixing and Distribution System Water Quality Improvements	PAX Water Technologies	How Dry I Am - A Life Cycle Analysis of Wet vs. Dry Emergency Scrubbers	De Nora Water Technologies	Pipe Bursting – a Municipal Perspective	HammerHead Trenchless	Digital Solutions to Eliminate Uncertainty, Reduce Costs, and Improve Efficiency	Hach	Assessment, Alternative Review and Use of Dynamic Hydraulic Modeling in Development of the Best Long-Term Solution	Mobile Area Water and Sewer System and Jacobs
1:30 - 2:00	Getting the Iron Out: Case Studies on Meridian and Cullin WTP's	SUEZ	The Effect of Network Topology on the Resilience and Water Quality in Urban Water Distribution Systems	University of South Alabama	Oxidation Ditch Upgrade from Rotors to Diffused Air and Lower O&M Costs with TN and TP	Hydra Service	"We Complied" 315 Miles of Force Main Network Prioritized, Assessed, and Managed	Emerald Coast Utilities Authority and Pure Technologies/Xylem	Digitalization Monitoring of Processes and Plant Assets	Flowrox	The Unknown and Missing Pieces of Asset Management	Pure Technologies
2:00 - 2:30	How SURE? Sustainability and Resiliency for Conventional Filters and Underdrain Systems	Orthos Liquid Systems	Improve Water Quality and Restore Capacity with Unidirectional Flushing	Wachs Water Services – Southeast Region	Choosing the Right Blower Technology for Your Wastewater Treatment Plant	Atlas Copco	Alternative Project Delivery for Sewer Collections Systems - Developing and Implementing the Sullivan's Island Turnkey Sewer Rehab Construction Program	Arcadis	Cellular Technology for Control Systems / SCADA	Industrial Network Systems (INS)	Empowering Utilities through Corporate Asset Management	Cityworks
2:30 - 3:00	BREAK											
3:00 - 3:30	GAC for Removal of PFAS Precursors	Calgon Carbon	Mix It Up: Potable Water Storage Tanks	Kasco	Beat Ultra-Low Phosphorus and Metals Targets with Reactive Filtration: How Your WWTP Could Consistently Hit µg/L Targets	Nexom	Exploring Solution in Pressure Pipe Rehabilitation	Underground Solutions	Best Practices for Deploying Cellular Connectivity & Cloud-Based Solutions	LEC and Aqua Products	Effective Utility Management Strategies – Customer Service	Constantine Engineering
3:30 - 4:00	Softening "Very Hard" Water Using Closed Circuit Reverse Osmosis	Environmental Technical Sales, Inc.	Monitoring Effectiveness of Corrosion Control Programs in the Distribution System	HDR	Achieving Class AA Biosolids Utilizing A Full-Scale Design/Build/Operate Approach	Merrell Brothers	Fundamentals of Pipe Bursting	Portland Utilities Construction Company	Digital Solutions to Eliminate Uncertainty, Reduce Costs, and Improve Efficiency	Claros	Pitfalls in Security: Why It Happens and How to Fix It	Jacobs
4:00 - 4:30	Chlorine Dioxide-Chemistry and Application Advantages in Water Treatment	International Dioxide	Design and Construction of Prestressed Concrete Tanks	CROM	Cutting-edge Innovations in UV Lamp Technology and Reactor Design	Trojan Technologies	Basics of Pipe Corrosion and Protections	McWane Ductile	Energy Savings Utilizing Variable Frequency Drives	Electronic Maintenance Associates (EMA)	EPA Risk and Resiliency: an All Hazards Approach to Security and Preparedness	Garver
4:30 - 5:00	Making the Best Use of Powdered Activated Carbon for the Removal of Cyanobacteria Bloom Byproducts	Garver	Active Mitigation of THM Levels in Drinking Water Distribution Systems	PSI Water Technologies	Advances in Sludge Drying Technologies: Case History of an Indirect Contact Sludge Dryer Installation in Albertville, AL	BCR Environmental Corporation	SpectraShield Liner Systems for Wastewater Structure Protection and Rehabilitation	Gulf Coast Underground	Energy Efficiency and Nutrient Reduction through Process Optimization in the Aerobic Digester	Xylem	Wastewater Management Challenges in the Rural Alabama Black Belt: Conditions and a Path Forward	University of South Alabama
5:00 - 6:00	EXHIBIT HALL - HAPPY HOUR											
Tuesday, July 30, 2019 - OPERATOR DAY												
Time	Room 106A		Room 106B		Room 107A		Room 107B		Room 202A		Room 202B	
TRACT	REGULATORY UPDATES	PRESENTER	COLLECTION SYSTEMS	PRESENTER	ENGINEERING / OPERATIONS	PRESENTER	TECHNOLOGY	PRESENTER	STORMWATER	PRESENTER	INSTRUMENTATION / AUTOMATION	
8:00 - 8:30	ADEM Water	ADEM	There is No Substitute for Velocity	ADS Environmental Services	Mississippi Well Owner Network - How we got here!	Center for Government & Community Development	Advances in Groundwater Drilling Technology	Morrow Water Technologies, Inc.	Make It Rain: Stormwater Utilities in Alabama	Goodwyn, Mills & Cawood	Modernizing a Legacy SCADA System: The Journey of Riviera Utilities	Riviera Utilities
8:30 - 9:00	ADEM Wastewater	ADEM	Structural Polyurethane and Rehabilitation of America's Infrastructure	Sprayroq	Opportunities to Work Together for Source Water Protection	AWWA	Rare Earth Technology in Wastewater Treatment	Neo Water Treatment	Big Creek Drainage Study and Flood Mitigation Design Project, Shelby County, Tennessee	Barge Design Solutions	Single Platform for Smart Water	CC Lynch & Associates
9:00 - 9:30	ADEM's Proposed Biosolids Program	ADEM	CIP Funding and Implementation Optimization	HDR	Water's Worth It! Is it Leaking? Where? Looked for it, found it, fixed it.	Pure Technologies	Carbamazepine Removal in Decentralized Wastewater Treatment Systems	University of South Alabama	The Kinetics of Nutrient Sorption from Stormwater Runoff Through a Permeable Reactive Barrier	University of South Alabama	A Rigorous Approach to Protect from Lightning Strikes	DEHN, Inc.
9:30 - 10:00	BREAK											
10:00 - 10:30	Mississippi Clean Water State Revolving Loan Program Updates	MDEQ	An Overview of Sewer Modeling to Eliminate SSOs in Jefferson County, Alabama	Hazen and Sawyer and Jefferson County	Best Practice Training Techniques for Field Personnel	Blue Heron Engineering	A Picture is Worth a Thousand Words	Goodwyn, Mills & Cawood	How Much is Maintaining an Old Storm System Going to Cost? A Case Study in Comprehensive CIP Development	Barge Design Solutions	Instrument Management – Mobile Sensor Management	Hach

10:30 - 11:00	?	MDEQ	How The City of Tuscaloosa Infrastructure and Public Services (IPS) Department Uses SCREAM Next Step and Costing Logic Aide in its CMMO Program and Reduce Dry Weather SSOs	City of Tuscaloosa	Upgrading for the Future: Dathan, Alabama's Omussee Creek Wastewater Treatment Plant	Barge Design Solutions	Establishing and Evaluating Strategic Dredging Plans	SFC Contract Services	FC Series Flood Control Structures	Flood-Con	Minimizing Apparent Losses: New Best Practices in Prioritized Meter Testing Replacement and Revenue Recovery	Valor Water
11:00 - 11:30	Mississippi Drinking Water State Revolving Loan Program Updates	MSDH	Calculating SSO Volumes	Anniston WW&SB	Operation Audits: a Proactive Approach in a Reactive Environment	Garver	A Collaborative Adaptive Management Approach to TMDL Development and Implementation	Jefferson Co ESD & Jacobs	Flood Mitigation at Garden Park Medical Center	Barge Design Solutions	Pressure Surge for Dummies	VAG GA Industries
11:30 - 1:00	LUNCH											
1:00 - 1:30	MS	Amy McLeod	What's Under That Lid?	Krebs Engineering								
1:30 - 2:00	The State of Water Use in Alabama	Alabama Office of Water Resources	Equalization Storage To Solve A Chronic SSO Problem In Tuscaloosa	City of Tuscaloosa and Hazen and Sawyer								
2:00 - 2:30	Alabama Drinking and Clean Water State Revolving Loan Program Updates	ADEM	Importance of Lateral Inspection and Renewal as Part of Your Comprehensive CIPP Rehabilitation	BLD Services								
2:30 - 3:00	BREAK											
3:00 - 3:30	AL PE Board	BELS	Horizontal Directional Drilling 101	Aegion-Underground Solutions								
3:30 - 4:00	Small System Partnership	USDA	I & I Micro Detection	Duke's Root Control								
4:00 - 4:30	Community Engineering Corp	AWWA	I/I Reduction Success – How lateral lining achieved over 90% reduction in I/I.	Hazen and Sawyer and Jefferson County								
4:30 - 5:00	ACEC	ACEC	Holistic Trenchless Rehabilitation for Wastewater Collection Systems	Garver								
5:00 - 6:00	EXHIBIT HALL - HAPPY HOUR											

Wednesday, July 31, 2019

Time	Room 106A		Room 106B		Room 107A		Room 107B		Room 202A / 202B
TRACT	COMMUNICATION / FINANCE	PRESENTER	INSTRUMENTATION	PRESENTER	PUMPS / WASTEWATER	PRESENTER	TECHNOLOGY	PRESENTER	
7:30 - 8:00					Tecta-PDS	Gerber Pumps	No Sweat: Aerogel-infused Thermal Insulating Coatings for Condensation Control	TnemeC	
8:00 - 8:30	Educating Stakeholders to Become Ambassadors thru MAWSS' Citizen Water Academy	Mobile Area Water and Sewer System	Ultrasonic Transient Time Meters - a Hands-On Exercise to Determine Accuracy, Calibration, and Proper Use	CC Lynch & Associates	Protect Sewer Pumps from Non-Dispersible Materials: Installation of a Vertical Bar Screen	Aqualtec	Control of Zebra and Quagga Mussels through a More Rational Use of Copper	Earth Science Labs	
8:30 - 9:00	Water Main Repair and Replacement Program-- Highlighting Their Strategies and Technologies Utilizing GIS Models	Birmingham Water Works and Arcadis	Alarm Management, Trending, and Reporting in Utility-Wide SCADA Systems	VTScaDa by Trihedral	Avoiding Dangerous Curves with Pressure Sewer Systems	Environment One Corporation	A Safe and Reliable Disinfection Alternative to Bulk Sodium Hypochlorite and Gas Chlorine	PSI Onsite Disinfection	
9:00 - 9:30	Communicating Rates with the Alabama Water and Wastewater Rates Dashboard	Environmental Finance Center- UNC Chapel Hill	The Value of Comprehensive Leak Detection: An Innovative Approach to Reducing Real Water Loss	Wachs Water Services – Southeast Region	Life-Cycle Evaluation of Effluent Sewer Systems	Orenco Systems	Multi-Barrier Trident® HS Successfully Used to Expand Water Treatment Plant	Westech Engineering	
9:30 - 10:00	BREAK								
10:00 - 10:30	Developing the Workforce of the Future	Jefferson County Alabama Environmental Services Department	Discussion on Level Technologies	ABB Group	Life cycle Costing Approach for Evaluating Sludge Thickening Options: a Case Study of San Antonio Water Systems' Sludge Thickening Upgrade	Centrisys	The New Standard for Reverse Osmosis	Desalitech	CPR / First Aid Training
10:30 - 11:00	Developing Minimum Bills and Other Revenue Related Items	Jackson Thornton Utilities Consultants	Advances in Non-Contact Flow Meter Technology	CC Lynch & Associates	Methods for Assessing / Troubleshooting Wastewater Lagoon Performance	Environmental Business Specialists	Chemistry of Chlorine and Chlorine Monitoring	Swan Analytical USA	
11:00 - 11:30	Complying with American Iron and Steel Requirements on Federally Funded Projects	MSDH	You Don't Know What You Don't Know	Hach	Modeling for Success: Taking Lagoon Process Design to the Next Level	Lemna Environmental Technologies	National Sanitation Foundation (NSF) Requirement and Solutions	Specification Rubber Products, Inc.	
11:30 - 12:00	Strategic Communications - Managing Political and Social Risk to Help Utilities Maintain Positive Perception	HDR	Mitigating Risk in Your Instrumentation and Control Strategy	Revere Control Systems	Facultative Lagoon Polishing Using Recirculating PolyGeyser Technology	AST Filters	Design and Operation Considerations for Pressure Filtration Equipment in the Treatment of Ground Water Contaminants	Hungerford & Terry	