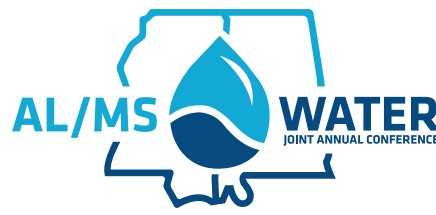


Monday April 6th, 2020

TECHNICAL PROGRAM

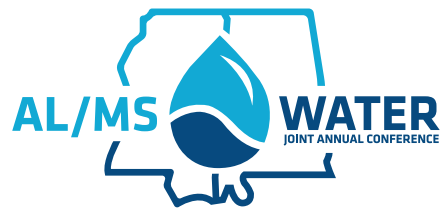
Time	Room 106A		Room 106B		Room 107A		Room 107B		Room 202A		Room 202B		Room 201A	
TRACK	STORMWATER / BLENDING	PRESENTER	PIPELINES / REHABILITATION	PRESENTER	HEADWORKS	PRESENTER	COLLECTION SYSTEM	PRESENTER	UTILITY FINANCE	PRESENTER	MODELING / CONTROLS	PRESENTER	MEMBRANE TECHNOLOGY	PRESENTER
1.5	10:00 - 10:45	Emerging Technology: Adaptable, Mechanically Cleaned Bar Screen Optimizes Hydraulics in Any Condition, Helps Prepare Plants for EPA's Wastewater Blending Rule Changes <i>Steve Dill & Mark Hickok - Duperon Corporation</i>	Utilizing New Technology to Minimize Cost of Installing Utilities Under Roads <i>Chad Andrews - Underground Solutions, Inc.</i>	Screening Out the Details - Five Critical Success Factors for Efficient Screening Improvements <i>Wes Cardwell - Garver</i>	Minimal Acceptable Dose - Future Sewer Corrosion Management through Sewer Process Modeling <i>Matthew Ward - Jacobs</i>	Exploring Funding Options in a New Era <i>John Croom-AUC Group</i>	The Importance of Influent Wastewater Characterization and Modeling the Solids Train in Wastewater Process Modeling <i>Paul Steele - Jacobs</i>	Effects on Disinfection using MBR membranes for Virus and Coliform removal <i>Eric McGee - PPEI for Kubota</i>						
	10:45 - 11:30	Utilizing Earthen Basin to Reduce Sanitary Sewer Overflow and Reduce Risk <i>David Stejskal - Jacobs & Doug Cote - MAWSS</i>	Pipeline Sustainability <i>Maury Gaston - American Cast Iron Pipe</i>	Alternative Grit System Design Approaches <i>Ryan Asbury - Smith and Loveless, Inc.</i>	Large Diameter Sewer Assessment - If I See Rebar, Is the Pipe going to Collapse <i>Tad Powell - Hazen and Sawyer & John Willett - Jefferson County ESD</i>	Bending the Curve - a Strategic Approach to Reducing Utility Debt <i>Townsend Collins - Ratelis & Michael Johnson - Birmingham Waterworks Board</i>	Process Modeling Based Nutrient Removal and Aeration System Optimization <i>Matt Tebow & Alex Leslie - Kimley-Horn</i>	Giving One-Hundred and Ten Plus Percent: Process Intensification with Membrane Aerated Biofilm Reactor Technology <i>Laura Stock - Suez Water Treatment Technologies and Solutions</i>						
11:30 - 1:00	LUNCH													
	ADVANCED METERING	PRESENTER	BIOSOLIDS	PRESENTER	ASSET MANAGEMENT	PRESENTER	COLLECTION SYSTEM	PRESENTER	DISINFECTION	PRESENTER	MODELING / CONTROLS	PRESENTER	PUMPING SYSTEMS	PRESENTER
3	1:15 - 2:00	Dark Territory: extending your metering system beyond billing into OPERATIONS <i>Ed Turner - Anniston Water Works and Sewer Board & Patrick Williamson - Badger Meter</i>	From Hauling Wet Sludge to Class A Biosolids - How the City of Prattville's Pine Creek CWF Took a Major Step Forward <i>Dale Gandy - Prattville AL & Greg Thompson - Engineers of the South</i>	The Worst Case Scenario for Drinking Water Rates Under AWIA 2018 <i>Dan Hilyer - Opelika Utilities & Chuck Burton - Applied Engineering & Science Consulting, LLC</i>	Prescriptive Cleaning Can Be Bitter Pill to Swallow but Utilities are Finding a New Tech-Cure that Lowers Costs and Reduces SSO Threats <i>Jay Boyd - ADS, LLC</i>	Disinfection with Peracetic Acid at the Madison WWTP <i>Caleb Leach - Krebs</i>	BOD Testing - What is it and how to test for it in the lab <i>Lennette West - Hach</i>	Tear It Down: Case Study for Pump Station Elimination <i>Brian Rohling - Jefferson County & Cam Traylor - Gresham Smith</i>						
	2:00 - 2:45	Getting out of the Water Meter Maintenance and Repair Business <i>Jason Dearing - Krebs Engineering & Andrew Alsobrook - Opelika Utilities</i>	A Cure for Trashy Sludge- Sludge Screening Applications <i>Ed Fritz - Huber Technology</i>	Utilizing and Online Program to Capture and Transfer your Plant Knowledge <i>Laura Tegethoff - 360water, Inc.</i>	Jefferson County's SSO Electronic Reporting and Public Notification <i>Vivek Sai - Hazen and Sawyer & David Denard - Jefferson County ESD</i>	TrojanUVFlex™ Disinfection Chambers Provide Validated UV Treatment in Broad Applications <i>Jennifer Alvarado-Melgar - Trojan UV</i>	Comparability of Methods Used for Measuring Turbidity <i>Danny Hutcherson - CC Lynch & Associates</i>	High Five! Five Critical Elements to a Successful Large High Service Pump Station Rehabilitation <i>Paul Strickland - Garver</i>						
	2:45 - 3:30	The Impact of Real Water Loss in Distribution Systems <i>Andrew Green - Mueller Water Products</i>	Digester Dilemma... Convert a Class A Biosolids Facility from Anaerobic Digestion to Aerobic Digestion? <i>Kris Macon - Krebs Engineering</i>	Augmented Reality - how real-time visualization brings data to life while protecting lives <i>Angie Swirski - National Electronics, Inc</i>	The Pressure is On: Overcoming the Challenges of a Sanitary Force Main Condition Assessment <i>Heath Hardy - HDR</i>	The Future of Disinfection - On-Site Sodium Hypochlorite Generation Equipment for Water and Wastewater Disinfection <i>Randy Otts - De Nora Water Technologies</i>	Just-In-Time Process Control <i>John Shepherd - Schreiber</i>	A Tale of 2 Lift Stations <i>Jarred Reber - Barge Design Solutions</i>						
	3:30 - 4:15	Leveraging Meter Data Analytics for Revenue Recovery <i>Alex Puryear - Xylem, Inc.</i>	Energy Efficient Biological Sludge Reduction in New or Existing Wastewater Lagoons <i>Josh Clark - Aerator Solutions</i>	Asset Management Meets Artificial Intelligence: Utilizing Machine Learning for More Efficient Risk and Condition Assessments <i>Eric Wang - Fracta</i>	Identifying and Preventing Inflow and Infiltration in Manholes <i>Dan Peterson - Cretex Specialty Products</i>	Plasma Water Disinfection <i>Todd Loudin - Flowrox Inc.</i>	Planning for Secure and Sustainable Next Generation SCADA System <i>David Espy & Gregg Gray - Jacobs</i>	Using Specific Energy to improve pumping operations at Murfreesboro's Water Treatment Plant <i>Michael Bernard - SSR & Perry Steger - Specific Energy</i>						
4:15 - 5:30	EXHIBIT HALL - HAPPY HOUR													



Tuesday April 7th, 2020 - OPERATOR DAY

TECHNICAL PROGRAM

Time	Room 106A		Room 106B		Room 107A		Room 107B		Room 202A		Room 202B		Room 201A			
	TRACK	UTILITY MANAGEMENT	PRESENTER	WASTEWATER TREATMENT	PRESENTER	WATER SUPPLY & DISTRIBUTION	PRESENTER	OPERATIONS	PRESENTER	CONSTRUCTION MANAGEMENT	PRESENTER	DIGITAL SOLUTIONS	PRESENTER	ENGINEERING	PRESENTER	
2.25	7:45 - 8:30	Pioneering Water Loss Control - Several States Advance with Technical Assistance Programs	Steve Cavanaugh - Cavanaugh Solutions	Aerobic Granular Sludge - New Technology Set to Deliver Results in the US	Daniel Hall - Goodwyn Mills and Cawood	Stray currents, corrosive soil and wall loss, oh my! Harnessing the power of decision intelligence and inspection technologies to prevent main failures.	Jimmy Stewart - Xylem	Protects pumps from non-dispersible by installing an automatic vertical Bar Screen in wet wells or manholes	Olivier Manfort - Aqualitex Corp	Capturing Project Cost Savings from Smart Excavation and Construction Design	Cole Madden-Mott MacDonald	AWIA Cybersecurity Assessment - Delivering Value or Just Checking the Box?	David Brearley - HDR	Combined Modeling Strategy to Resolve Chlorine Residual and DBP Challenges for Potable Water Systems	Ashley Pifer & Evan Tromble - Garver	
	8:30 - 9:15	From Status Quo to Model Utility - MAWSS Approach to Renewal	Doug Cote-Mobile Area Water and Sewer System	Solving Persistent Filamentous Bulking and Floating Sludge Problems Increases Plant Capacity	Dr. Sean Scuras - Garver & Sharon Surra - Daphne Utilities	A Utility's Guide to Understanding and Preparing for the Revised Lead and Copper Rule	Stuart Jeffcoat - HDR	Winning the War Against Wipes	Joe Clark - JWC Environmental	The FETP CYCLE	Joey Herndon-Evoqua Water Technologies	Data - How to get it and what to do with it.	Max Gaskins - Oxford Water & Sewer Board & Lennette West - Hach	Increasing Capacity without Construction	Frank Wang & Wheeler Crook - Goodwyn, Mills, & Cawood	
	9:15 - 10:00	The Economic Advantage of Critical Valve Assessment and Rehabilitation	Wayne Pratt - Wachs Water Services A Xylem Brand	Biological Nutrient Removal in a Batch Process	Kevin Bunting - Parkson Corporation	CASE STUDIES - Clamp-on Flow Measurement in Closed Pipes	Frank Flow - Flexim	Ready, FIRE, Aim - Start up of Three Wastewater Treatment Facilities	David Moore - ESG Operations, Inc.	The new Alabama Dig Law started January 1, 2020. There are big changes to enforcement and membership. What does that mean for me?	McKay Lyvers - Alabama 811	A Web-based Approach to Capacity Assessments	Justin Graham & Hatem El-Sayegh - Barge Design Solutions	Design of the World's Largest PFAS Mitigation Project	Bryan Pate - InSite Engineering, LLC	
10:00 - 11:00	BREAK															
1	TRACK	UTILITY MANAGEMENT	PRESENTER	WASTEWATER TREATMENT	PRESENTER	WATER SUPPLY & DISTRIBUTION	PRESENTER	PROFESSIONAL ETHICS	PRESENTER	UNIVERSITY PAPERS	PRESENTER	UNIVERSITY PAPERS	PRESENTER	WOMEN IN WATER	PRESENTER	
	11:00 - 11:30	Why Don't Employees Follow Processes and Procedures?	Carrie Parker - Blue Heron Engineering Services, Ltd	Upgrading Lagoon Based Treatment Systems to Meet More Stringent Limits for BOD, TSS and Nutrient Removal	Tom Birkeland - Lemna Environmental Technologies, Inc.	How to be Headspace Cool!	Tom Tackmann - Kasco	Preventing an Environmental Violation From Becoming a Criminal Case	Jim Mozingo - MTS	Wastewater Challenges in the Rural Alabama Black Belt: Technology and Management Solutions for Underserved Communities	Brandon Maliniemi - University of South Alabama	Using the Bio-Tiger Model to Enhance Activated Sludge Performance and Save Energy	Dr. Larry Moore	Women in Water Round Table	Women in Water Committee	
11:30 - 12:00	Lower Insurance Costs and Reduce Flood Risk for Your Residents Through the Community Rating System (CRS) Program	Courtney Reich - Goodwyn Mills and Cawood	Lagoon Phosphorus Reduction	Adriaan Van Der Beek - FRC a Sulzer Brand	Paint it Black: Temperature Control in Water Tanks	Josh Broome - WGI, Inc.	A Moving Goal Post: Micropollutants: Regulations and Technologies	Terry Rickey - University of South Alabama	Characterization of Seafood Wastewater	Jennifer Dennis & Arka Pandit - University of South Alabama						
12:00 - 1:00	LUNCH															
2.25	UTILITY MANAGEMENT	PRESENTER	TERTIARY FILTRATION	PRESENTER	WATER SUPPLY & DISTRIBUTION	PRESENTER	WATER TREATMENT	PRESENTER	Exhibit Hall Mobile Sessions							
	1:15 - 2:00	Optimizing a Capital Improvement Program - How to Measure and Improve Effectiveness	Stephen King - Hazen and Sawyer & Daniel White - Jefferson County ESD	Pilot and Full-Scale Experience in Using Pile Cloth Media Filtration to Meet Ultra Low Level Total Phosphorus Requirements	Mark Hughes - Aqua Aerobics Systems, Inc.	Development of a 20-Year Water Distribution Master Plan	Erin Fleet - Barge Design Solutions & Alan Lash - Limestone County Water and Sewer Authority	Year-Long Evaluation on the Occurrence and Fate of Pharmaceuticals, Personal Care Products, and Endocrine Disrupting Chemicals in an Urban Drinking Water Treatment Plant	Francis Kungu - Engineering Design Technologies, Inc.							
	2:00 - 2:45	Balancing Act: Managing Revenue Sufficiency while being Mindful of Affordability	Sarah Chandler & Jim Marshall - Jackson Thornton	Achieving Ultra-Low Phosphorus and sNRP Removal Using Reactive Filtration: Results Of Piloting Blue PRO Reactive Filtration At Menomonie And Madison, WI	Nick Janous - Nexom	Monitoring effectiveness of corrosion control programs in the distribution system	Leigh Sexton - HDR	Getting the Iron Out: Case Study on Meridian WTP	Emily Gilbert - SUEZ Water Technologies and Solutions							
2:45 - 3:30	Wastewater Transmission System Design-Build Optimization/Improvements Project Expedites Additional Capacity and Avoids a Moratorium on Development	James Kizer-Constantine Engineering, Inc.	Case Study of Stainless Steel Disk Filtration as Part of an Overall Phosphorus Removal Solution	Robert Wiley - Nuove Energie USA Inc.	Meters and Beyond: MAWSS' AMI Journey	Bud McCrory - MAWSS	Water, Every Drop Counts! The presentation is a case history of a filter control system upgrade at the Crosstown Road WTP in Fayette County Georgia that included innovative filter control and Zero2Waste® optimization water saving solutions.	Mark Romers - Filter Magic / ICS								
3:30 - 5:00	BREAK															



Wednesday April 8th, 2020

TECHNICAL PROGRAM

Time	Room 202A		Room 202B		
	TRACK	REGULATORY UPDATES	PRESENTER	REGULATORY UPDATES	PRESENTER
4	8:00 - 9:00	The Latest and Greatest Coming out of the Bureau of Public Water Supply	<i>Amy McLeod - MS State Department of Health</i>	Ewater 2.0: The Next Step in Water Use Reporting in Alabama	<i>Tom Littlepage - Alabama Office of Water Resources</i>
	9:00 - 10:00	MS Drinking Water SRF Update	<i>Harry Gong - MS State Department of Health</i>	ADEM Operator Certification Regulation Update	<i>Mary Alice Corcoran & Jim Grassiano - ADEM</i>
	10:00 - 11:00	MS Clean Water SRF Update	<i>Tony Caldwell - MDEQ Office of Pollution Control</i>	ADEM NPDES Update	<i>Daphne Lutz - ADEM</i>
	11:00 - 12:00	MS DEQ Regulatory Update	<i>Bradley Crain, - MDEQ</i>	Beneficial use of by-product materials for Land Application	<i>Scott Story - ADEM</i>
				ADEM Drinking Water Update	<i>Jim Arnold - ADEM</i>

CONFERENCE ENDS