

Monday, April 12

Time	General Technical Jones Room	Water Technical Segell Room	Wastewater Technical French Room	Water Distribution Stopher Room	Industrial Breathitt Room	Wastewater Collection Taylor GH Room
Breakfast 6:45 to 8:00 AM and Opening Session – 8:00 AM – 9:00 AM						
9:00	Underwater Construction – Part 1 Doug Sayre Allied Tech. Services	Drinking Water Update Frank Hall Division of Water	Online, Real Time Measurement and Monitoring of TSS, DO, ORP, pH Saves Operational Costs and Maintenance Headaches Jim Radney Cerlic	Large Meter Overview Ed McDivitt, Bill Howell, Mark Harris Neptune Equipment	Anyone attending this industrial class must attend full day. Characterization Pre-Treatment Process Material Balances	Fix It Before It Breaks – A Preventative Maintenance Strategy David Saylor Utility Services Corp.
10:00	Underwater Construction – Part 2 Doug Sayre Allied Tech. Services	Groundwater Rule Brian Chitti and Katy Ward Division of Water	First in Kentucky: Shepherdsville WWTP Expansion Using the MBBR Process Phil Wood Qk4 Engineers	Proper Application and Sizing Mark Harris Neptune Equipment	Sludge Production Oxygen Requirements Nutrient Requirements Mixed Liquor Components Kinetic Relationships	Collecting Information for Future Generations – From Head To Hard Drive David Saylor Utility Services Corp.
11:00	Will You Be Ready For Your Next Power Outage Ed Dunn Precision Systems	What's Next For Stage 2 and LT2 Rules Crystal Davis Division of Water	Why RotaMix Is An Innovative Solids Mixing And Aeration Technique Rick Behnke Vaughan Company	Troubleshooting and Testing Tips Mark Harris Neptune Equipment	Wes Eckenfelder, Aqueter Alan Bowers, Vanderbilt	Using Flow Depth To Prioritize Maintenance David Saylor Utility Services Corp.
Lunch 12:00 to 1:30 PM – On Your Own						
1:30	Lab Safety – Chemical Hygiene for Water and WW – Part 1 Don Townsend	Common Sense 21 st Century Fluoridation Practices – Part 1 Mike Harrington USA Bluebook	Overview of Carbon Footprint and Life Cycle Analysis for WWTPs Jerry McClary Hazen and Sawyer Engineers	Meter Breakdown – Part 1 Mark Harris Neptune Equipment	Effect of Temperature Nitrification/Denitrification Sludge Quality Control Aquatic Toxicity Volatile Organics	Preventative Maintenance I & I Part 1 (Abatement) David Saylor Utility Services Corp.
2:30	Lab Safety – Chemical Hygiene for Water and WW – Part 2 Don Townsend	Common Sense 21 st Century Fluoridation Practices – Part 2 Mike Harrington USA Bluebook	Overview of Blower Technology Jerry McClary Hazen and Sawyer Engineers	Meter Breakdown – Part 2 Mark Harris Neptune Equipment	High TDS Effect Sludge Disposal Wes Eckenfelder, Aqueter Alan Bowers, Vanderbilt	Preventative Maintenance I & I Part 2 (Source/Receiver Concept) David Saylor Utility Services Corp.
3:30	Advantages and Disadvantages of Pump Applications Steve Gallagher Atlas Machine and Supply	Common Sense 21 st Century Fluoridation Practices – Part 3 Mike Harrington USA Bluebook	Low Pressure Sewer Systems Marvin Springer EOne	Using Technology: AMR and Leak Detection Bill Howell Neptune Technology		Preventative Maintenance I & I Part 3 (Mass Flow Metering/Data Analysis) David Saylor Utility Services Corp.

Tuesday, April 13

Time	General Technical Jones Room	Water Technical Segell Room	Wastewater Technical French Room	Water Distribution Stopher Room
8:00	Ten Best Kept Process Management Secrets for Water and Wastewater – Part 1 Mike Harrington USA Bluebook	Filtration Mechanics – Part 1 Bob Cashion Southeastern Laboratories	Wastewater Microbiology – Part One Auralene Glymph Senior Environmental Microbiologist Metro Water Reclamation District of Chicago	Water Loss – Part 1 Mark Magda Singer Valve
9:00	Ten Best Kept Process Management Secrets for Water and Wastewater – Part 2 Mike Harrington USA Bluebook	Filtration Mechanics – Part 2 Bob Cashion Southeastern Laboratories	Wastewater Microbiology – Part Two Auralene Glymph Senior Environmental Microbiologist Metro Water Reclamation District of Chicago	Water Loss – Part 2 Mark Magda Singer Valve
10:00	Ten Best Kept Process Management Secrets for Water and Wastewater – Part 3 Mike Harrington USA Bluebook	Membrane Presentation Ron McMaine Bell Engineering	Wastewater Microbiology – Part Three Auralene Glymph Senior Environmental Microbiologist Metro Water Reclamation District of Chicago	Hydraulic Units and Fusion – HDPE Pipe Tom Titus ISCO Industries
11:00	Ten Best Kept Process Management Secrets for Water and Wastewater – Part 4 Mike Harrington USA Bluebook	The Future Direction of AWOP Jim Hamon and Frank Hall Division of Water	Return Sludge Flow Control – Part 1 Lynn Marshall	Hydrant Flushing and Maintenance Vaughn Williams and Barry Back Kenvirons
Lunch 12:00 to 2:00 PM				
2:00	Ten Best Kept Process Management Secrets for Water and Wastewater – Part 5 Mike Harrington USA Bluebook	Capacity Development – Capital Improvement Plans and Asset Management B.J. Bland Division of Water	Return Sludge Flow Control – Part 2 Lynn Marshall	GIS and Mapping Eric Muncy Map Sync
3:00	Ten Best Kept Process Management Secrets for Water and Wastewater – Part 6 Mike Harrington	Tracking Unaccounted For Water Cindy McDonald Division of Water	Return Sludge Flow Control – Part 3 Lynn Marshall	Mixing Systems Bill Arndt Red Valve Company

	USA Bluebook			
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Wednesday, April 14

Time	General Technical Jones Room	Water Technical Segell Room	Wastewater Technical French Room	Laboratory Issues Nunn Room
8:00	Kentucky Warn Presentation Brad Murphy Northern Kentucky Water District	Walkerton – A Perfect Storm – Could It Happen Here Ruth Lancaster Louisville Water Company	Grit Removal Killis Sinkhorn Winchester Municipal Utilities	DOW Laboratory Update Brian Chitti Division of Water
Break 9:00 to 9:30 AM				
9:30	Use of Bioluminescent Bacteria for Monitoring Toxicity in Potable Water and Wastewater Greg Davis INC Technical	New Regulations For Online Chlorine Analyzers from EPA Brandt Cashion Hach Company	Submersible Wastewater Pumps Josh Cravins Wascon	Sample Collection and Transport Frank Hall Division of Water
10:30	Certification Board Roundtable and Update On Operator Certification Regulations Julia Kays and Cert. Boards	Changes To General Permit – Water Plant Discharges Speaker - TBA Division of Water	Optimizing Clarifier Performance Todd Kline EIMCO	Sample Handling At Laboratories Frank Hall Division of Water
Lunch 11:30 to 12:30				
12:30	Remote Monitoring of Level, Flow and Pressure Without Multiple PLCs Greg Davis Inc Technical	Groundwater/Wellhead Protection Katy Ward Division of Water	Nutrients – The Issues and Opportunities Cam Metcalf KPPC	Laboratory Technical Assistance – Q and A Patrick Garrity Division of Water
1:30	Wireless I/O, Network Basics, Wireless Applications Terry Roseberry Banner Engineering	All Phosphates Are Not Created Equal Bob Cashion Southeastern Laboratories	Industrial Monitoring and How It Impacts Municipal POTWs – A Case Study Jason Crawford Sanitation District #1	IDEXX Session Speaker TBA
2:30	What To Expect When Your Inspector Comes Calling Brian Crump Division of Water	Actiflow – WTP Experience in Kentucky – A Forum Andy Szekeress Kruger, Inc.	TBA	Laboratory Role in Groundwater Brian Chitti Division of Water