

FINAL DRAFT SCHEDULE

2018 Western Washington Short School & Trade Show



Detailed Schedule - Tuesday June 5th 2018

7:00 – 8:00	Morning Coffee & Registration					
	Wastewater - RM 1A	Water - RM 1B	Distribution & Conveyance, - RM 1C	Operator Training, Tools & Resources, - RM 2A	O&M - Reliability/Energy Saving Process Improvements - RM 2B	Corrosion Prevention & Coatings - RM 2C
8:00 - 9:00	☕ Mass Based Controls in Key Wastewater Processes for Energy and Chemical Savings - <i>Tony Guerra, Valmet</i>	💧 Water Main and Tank Disinfection - <i>Aaron Crotts, City of Everett</i>	💧☕ Trenchless Road Crossings - Case Histories - <i>Michelle Macauley, Macauley Trenchless</i>	☕ Operations Tools Available on the WEF Website - <i>Dick Finger</i>	💧☕ Efficient Treatment without New Toys: Reducing Energy Intensity through O&M Practices in Snohomish County - <i>Lane McWilliams- Cascade Energy</i>	💧☕ Corrosion and Cathodic Protection Basics - <i>Ryan Tinnea, Tinnea Associates</i>
9:10 - 10:10	☕ Understanding and Controlling Foam in Anarobic Digesters - Three Case Studies - <i>Bhargavi Subramanian, Kennedy Jenks Consulting / A Value Added Approach to Struvite Control & Optimized Dewatering - Tee Mariga, Kemira</i>	💧☕ Membranes - Polymeric to Ceramic - <i>John Koch, HDR, Inc.</i>	💧 Unidirectional Flushing – A great way to incorporate water quality with O&M - <i>Aurelie Nabonnand, Carollo Engineers, Inc.</i>	💧☕ Building Our Future Through Training - <i>Jim Pitts, KCWTD</i>	💧☕ Utilize Electric Utility Incentives & Resources to get Started with Energy Management at your Plant. - <i>Jim Conlan, Richard Jackson-Gistelli, Allison Grinczel, Snohomish County PUD No.1</i>	
10:10 - 10:30	Break w/ Refreshments					
10:30 - 11:30	☕ Biosolids Sludge Thickening with Little to No Polymer in a Small Footprint - <i>Jens Nielsen, Treatment Equipment Inc.</i>	💧 The Role of Smart Tanks in Distribution Water Quality Management - <i>Lashley Loomis, UGSI Solutions, Inc.</i>	💧 Water Storage Tank Construction from the Ground to Up in the Air - <i>John Koch, HDR, Inc.</i>	💧☕ The Impact of the Process Safety Management Process on Reliability - <i>Jim Faccone, KCWTD / Changes in Confined Space Entry Code - Jim Faccone, KCWTD</i>	☕ Rethinking Onsite Wastewater Treatment in Buildings - <i>Chris Lowen, GLUMAC</i>	💧☕ Corrosion Control in the Pacific Northwest - <i>Jeremy Hailey, Northwest Corrosion Engineers</i>
11:30 - 12:15	Lunch					
	Odor Control - RM 1A	Disinfection, Smart Systems, Pipelines - RM 1B	Instrumentation & Networks - RM 1C	WW Treatment Control, CSOs - RM 2A	Lab Accreditation / Industrial Pretreatment - RM 2B	Operations & Maintenance - RM 2C
12:15 - 1:15	☕ Municipal Odor Control, Selection / Optimization / O&M - <i>Jeff Jones, ECS Environmental Solutions</i>	💧☕ On-Site Hypochlorite Generation: A Safe and Reliable Disinfection Alternative - <i>Lashley Loomis, UGSI Solutions, Inc.</i>	💧☕ Clouds & Thing: The Implications of Cloud, FOG and the Internet-of-Things for SCADA/ICS - <i>Bob George, Tetra Tech</i>	☕ Innovative WW Treatment Systems Combining EQ and Biological Simultaneously to Enhance Performance - <i>Susan Pilgram, Parkson Corporation</i>	💧☕ Understanding WA Laboratory Accreditation for WWTP Laboratories - <i>Rebecca Wood, WSDOE</i>	💧☕ An Electronic Operator's Manual on a Share Point Platform - <i>Joel Borchers, Clean Water Services</i>
1:20 - 2:20		💧 Biological Filtration Benefits & Challenges / Biofiltration Pilot Testing, <i>Lynn Williams-Stephens, Brown & Caldwell</i>	💧☕ Security for Wi-Fi Networks - <i>Bud Titus & Sammy Wood, KCWTD</i>	☕ CSOs in Portt Angeles, A Thing of the Past - <i>Jeff Young, Port Angeles</i>	☕ Discharge, Smischarge: Application Dictates the Solution - <i>Chris Porter, Whitney Equipment Company</i>	💧☕ Planning for Startup, Testing & Commissioning - <i>Tina Hastings, CH2M & Butch Perry , KCWTD</i>
2:20 - 2:35	Break w/ Refreshments					
2:35 - 3:35	☕ Odor & Corrosion Control; Getting the Best of Both Worlds - <i>Richard Finger, PNCWA Odor Control Committee</i>	💧☕ Adding a New Well to an Existing Water System - <i>Brian Smith, Wilson Engineering / Underground Challenges on the Wilburton Sewer Project: Complex Design Elements are put to the Test during Construction - James Chae, Jacobs</i>	💧☕ Develop a Secure Architecture for the Connected Enterprise - <i>Ahmik Hindman, Rockwell Automation</i>	💧☕ Process & Instrumentation Diagrams - <i>Butch Perry, KCWTD</i>	💧☕ Installation Considerations for AC Drives - <i>Neal Corbett, Rockwell Automation</i>	💧☕ Vibration Monitoring - <i>Bob Kappa, SPM Instrument, Inc.</i>

CEU Status - Wastewater CEUs Pending (☕). Water CEUs Pending (💧)

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Detailed Schedule - Wednesday June 6th 2018

7:00 - 7:30	Morning Coffee & Registration				
	Wastewater - RM 1A	Metering & Generators - RM 1B	Biosolids - RM 1C	Sustainability /Odor Control / operator Certification- RM 2B	Pipelines & Restraint - RM 2C
7:30 - 8:30	☕ Simplified Nutrient Removal Process for Small to Medium Size Municipalities - <i>Dave Gibson, Bioworks North America</i>	💧 Flexible and Affordable Meter Reading Technology - <i>Michele Harvey, Badger Meter</i>	☕ Class A biosolids Produced with Enclosed Alkaline Process - <i>Joshua DiValentino, Schwing BioSet, Inc. / Granular Activated Sludge: Technology Briefing and New Horizons - Bryce Figdore, HDR</i>	💧☕ How SURE? Sustainability and Resiliency for Conventional Filters - <i>Stuart Humphries, Orthos Liquid Systems, Inc.</i>	💧☕ Ductile 101 - <i>John Johnson, McWayne Ductile</i>
8:35 - 9:35	☕ Case Study of PONDUS TCHP Installation in Kenosha WWTP - <i>Chris McCalib, Treatment Equipment</i>	💧 How Automater Meter Reading Systems Can Garner Grant Money via Water Efficiency Tools - <i>Michele Harvey, Badger Meter</i>	☕ Understanding Design Codes and Standards for Biogas Systems - <i>Jim Gorman, Varec</i>	☕ CEPT/Odor Control: Real-Time Treatment is Here - <i>Greg Land, Kemira / Using Hydroxols to Treat Odor - Robert Jeyaseelan, Vapex Environmental Technologies</i>	💧☕ Seismic Resilience for Pipeline Applications - <i>John Johnson, McWayne Ductile</i>
9:35 - 10:15	Vendor Show & Refreshments				
10:15 - 11:15	☕ Anoxic Mixing - <i>Colin Christie, Philadelphia Mixing Solutions / Changing of the Guard - Taking Control of Process Control at the Lakota WWTP - Jon Kercher, Lakehaven Water & Sewer District</i>	💧☕ Diesel vs LPG Generators, O&M Issues and Comparison - <i>Tom Tomlinson, Cummins</i>	☕ Sim-Floc - <i>Alexius Emejom, Hayward Gordon</i>	☕ Wastewater Operator Certification - <i>Poppy Carre, WSDOE</i>	💧☕ Thrust Restraint - <i>Dennis Shumard, EBAA Iron</i>
11:15 - 12:15	Vendor Show & Lunch				
	Wastewater / Pumps / SCADA - RM 1A	Valves & Water Treatment - RM 1B	WW Treatment / Lagoons - RM 1C	Chemical Feed - RM 2B	Disinfection- RM 2C
12:15 - 1:15	☕ Removing Orthophosphate and improving Dewaterability of Digested Sludge Through Post-Digestion Struvite Removal - <i>Chris McCalib, Treatment Equipment Company</i>	💧☕ Air Valves - How They Operate and Why they are Installed in a Water/Wastewater System - <i>John Okoneski, GC Systems</i>	☕ Optimizing Lagoon Based Treatment Systems for Improved BOD, TSS & Nutrient Removal - <i>Tom Birkeland, Lemna Environmental Technologies</i>	💧☕ Optimizing Polymer Mixing & Activation - <i>Lashley Loomis, UGSI Solutions</i>	💧☕ Sodium Hypochlorite Basics - <i>Cindy Yost, Hasa, inc.</i>
1:15 - 1:45	Vendor Show & Refreshments				
1:45 - 2:45	☕ Ragless Impeller - <i>Alexius Emejom, Hayward Gordon</i>	💧☕ Check Valves - Which One Should I Use? - <i>John Okoneski, GC Systems</i>	☕ Beating Ultra-Low Phosphorus Targets with Reactive Filtration: How Citronelle AL Consistently Complies with 0.02 mg/L - <i>CJ Strain, Nexom, Inc.</i>	💧☕ Maintaining a Steady Chlorine Residual - <i>Dean Brown, Correct Equipment</i>	☕ UV Wastewater Disinfection - History, Technology, Applications and New Developments for operators - <i>Bob English, Aquionics</i>
2:50 - 3:50	💧☕ SCADA in the Cloud - <i>Rick Patton, Advanced Control Systems</i>	💧☕ Granular Activated Carbon 101 - <i>Ben Goecke, Calgon Carbon</i>	☕ Designing Lagoon Based WWTPs for < 1mg/L Ammonia in <34°F Water: The Case of Big Timber, MT - <i>CJ Strain, Nexom, Inc.</i>	💧☕ Anti-Leak Technology for Chemical Feed/Dosing Piping Systems and Equipment - <i>Alex Gambino, Asahi/America, Inc.</i>	

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