

**FINAL DRAFT
SCHEDULE**

**2018 Western Washington Short School
& Trade Show**



PNWS-AWWA
Northwest Washington

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

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

**FINAL DRAFT
SCHEDULE**

**2018 Western Washington Short School
& Trade Show**



PNWS-AWWA
Northwest Washington

Detailed Schedule - Wednesday June 6th 2018

Morning Coffee & Registration					
7:00 - 7:30	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.</i> / Granular Activated Sludge: Technology Briefing and New Horizons - <i>Bryce Fidgore, 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</i> / Using Hydroxols to Treat Odor - <i>Robert Jeyaseelan, Vapex Environmental Technologies</i>	⌚ Seismic Resilience for Pipeline Applications - <i>John Johnson, McWayne Ductile</i>
Vendor Show & Refreshments					
9:35 - 10:15	⌚ Anoxic Mixing - <i>Colin Christie, Philadelphia Mixing Solutions</i> / Changing of the Guard - Taking Control of Process Control at the Lakota WWTP - <i>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>
Vendor Show & Lunch					
10:15 - 11:15	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>
Vendor Show & Refreshments					
1:15 - 1:45	⌚ 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>
1:45 - 2:45	⌚ SCADA in the Cloud - <i>Rick Patton, Advanced Control Systems</i>	⌚ Granular Activated Carbon 101 - <i>Ben Goecke, Calgon Carbon</i>	⌚ Designing Lagoon Based WTPs 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>	

CEU Status - Wastewater CEUs Pending (⌚). Water CEUs Pending (⌚)