

	Maintenance	Construction	Disinfection & Emerging Contaminants	Wastewater Treatment	Corrosion & Water Treatment
7:30 – 8:30	Meet & Greet / Hosted Breakfast / Announcements				
8:30 – 9:30	<ul style="list-style-type: none"> Predicting bearing failure and measuring lubrication film thickness <i>Bob Kappa</i> 	<ul style="list-style-type: none"> Construction Dewatering – What You Know Will Save You Money and Grief - <i>Larry West</i> 	<ul style="list-style-type: none"> UV - Seeing the Light - <i>Harold Perry</i> 	<ul style="list-style-type: none"> Activated Sludge Basics - <i>Dale Richwine</i> 	<ul style="list-style-type: none"> Corrosion: How, Why, and Prevention Techniques - Part 1 - <i>Jeremy Hailey</i>
9:35 – 10:35	<ul style="list-style-type: none"> Resonance - <i>Ken Hawkins</i> 		<ul style="list-style-type: none"> Onsite Sodium Hypochlorite Generation - <i>Greg Mead</i> 	<ul style="list-style-type: none"> Activated Sludge Process Modes and Alternatives - <i>Dale Richwine</i> 	<ul style="list-style-type: none"> Corrosion: How, Why, and Prevention Techniques - Part 2 - <i>Jeremy Hailey</i>
10:40 – 11:40	<ul style="list-style-type: none"> Closing the Loop - Developing System Wide Electronic O&M Manuals - <i>Harold Perry</i> 		<ul style="list-style-type: none"> What's Coming Down the Pipe – EDC & PPCP - <i>Deborah Lester</i> 	<ul style="list-style-type: none"> Activated Sludge Growth Factors - <i>Dale Richwine</i> 	<ul style="list-style-type: none"> Re-Building after the Tsunami: Construction, Start-up & Training of a New Water Treatment Plant in Southern Thailand - <i>Mark Henly</i>
11:40 – 12:30	Lunch				
	Maintenance	Construction, Certification & WW Treatment	Safety	Wastewater Treatment & Laboratory	Water
12:30 – 1:30	<ul style="list-style-type: none"> Mechanical Seal Principals For the Water and Waste Water <i>David Mathes &</i> 	<ul style="list-style-type: none"> Armed and Dangerous: How to get What You Want - <i>Muriel Gueissaz-Teufel & Ed Griffenberg</i> 	<ul style="list-style-type: none"> Chemical Hazards in Water Treatment Part 1 - <i>Megan Munroe</i> 	<ul style="list-style-type: none"> Activated Sludge Process Control – Quantity and Quality - <i>Dale Richwine</i> 	<ul style="list-style-type: none"> Are Your O&M Practices Compromising Public Health? - <i>Melinda Friedman</i>
1:35 – 2:35	<ul style="list-style-type: none"> Basic Surface Preparation and Coatings - <i>Bert Savage</i> 	<ul style="list-style-type: none"> Tips for Effective Plan Review by O&M staff - <i>Jim Weber</i> 		<ul style="list-style-type: none"> Activated Sludge Process Control – Nitrification/Denitrification - <i>Dale Richwine</i> 	<ul style="list-style-type: none"> Air or Particles – What Are The Turbidity Spikes In My Membrane Effluent - <i>John Koch</i>
	Break w/ Refreshments				
2:45 – 3:45	<ul style="list-style-type: none"> Understanding Process and Instrumentation Diagrams - <i>Randy Geist</i> 	<ul style="list-style-type: none"> Changes to Wastewater Operator Certification Laws <i>Kathleen Emmett & Poppy Carre</i> 	<ul style="list-style-type: none"> Chemical Hazards in Water Treatment Part 2 - <i>Megan Munroe</i> 	<ul style="list-style-type: none"> Activated Sludge Process Control – Bio-P Removal - <i>Dale Richwine</i> 	<ul style="list-style-type: none"> Membranes for Water Treatment - <i>Bob Ward</i>
3:50 – 4:50	<ul style="list-style-type: none"> Introduction to Machinery Vibration Analysis - <i>Brian Mead</i> 	<ul style="list-style-type: none"> MBR Wastewater Treatment for Small Plants - <i>Greg Mead</i> 		<ul style="list-style-type: none"> AA, ICP, and ICPMS What Technique Should I Choose? - <i>Carmen Dews</i> 	<ul style="list-style-type: none"> History of Water Quality in the United States - <i>Frank Sinclair</i>

	Maintenance	Construction & Security	Inflow/Infiltration, Biosolids & Pretreatment	Wastewater Treatment	Water
8:00 – 9:00	<ul style="list-style-type: none"> ◆ AUMA Motor Operated Valves / Operation & Maintenance - <i>Bob Halgren</i> 	Manufactured Storm Water Technologies - <i>Lewis Titus</i>	Centrifuges Operation, Maintenance & Optimization - <i>Chris Gatewood</i>	Filamentous Bulking and Selectors <i>Bob Bower</i>	<ul style="list-style-type: none"> ◆ Lead and Copper in Drinking Water - <i>Kylee Dewis</i>
9:05 – 10:05		New Standards for Erosion and Sediment Control on Construction Sites - Tips for Meeting Them - <i>Chris Tiffany</i>	Preventing Sanitary Sewer Overflows, and Inflow and Infiltration Developing a good SSMP - <i>Lewis Titus</i>		<ul style="list-style-type: none"> ◆ Deploying A Custom Fire Hydrant Application For The City of Everett <i>Chad Hudson</i>
10:05 – 10:35	Vendor Show & Refreshments				
10:35 – 11:35	<ul style="list-style-type: none"> ◆ Solving mechanical seal problems in submersible sewage pumps - <i>Howard Taub</i> 	<ul style="list-style-type: none"> ◆ Video Surveillance for Water Communities Using Existing Telemetry Infrastructure - <i>Evelyn Bundesmann</i> 	Source Control- A Guide to Restaurant Inspections - <i>Tom Cash</i>	SBRs - How to Increase Capacity & Improve Performance - <i>John Harrison</i>	<ul style="list-style-type: none"> ◆ Metering for Today and Tomorrow <i>Erik Ongstad</i>
11:35 – 1:00	Vendor Show & Lunch				
	Instrumentation & Control	Security & New Technology	Pretreatment & Odor Control	Wastewater Treatment	Conveyance & Distribution
1:00 – 2:00	<ul style="list-style-type: none"> ◆ Best Practices Using InTouch 9.5 HMI - <i>Evelyn Bundesmann</i> 	<ul style="list-style-type: none"> ◆ Practical Aspects of Security for Water and Wastewater Facilities - <i>Gene Taylor</i> 	King County's H2S Induced Concrete Corrosion Rehabilitation Experience <i>Dirk Apgar</i>	Case histories of fixed film reactors that have been improved through operational changes - <i>John Harrison</i>	<ul style="list-style-type: none"> ◆ Ductile Iron Pipe - <i>Terry Wallen</i>
2:00 – 3:00	Vendor Show & Refreshments				
3:00 – 4:00	<ul style="list-style-type: none"> ◆ Monitoring Equipment Performance and Utilization - <i>Evelyn Bundesmann</i> 	<ul style="list-style-type: none"> ◆ Out with the Old Paper O&M Manuals and In with New Electronic Manuals - <i>Ed Griffenberg</i> 	Industrial Pretreatment – How to set up a program to please EPA and locate problematic dischargers - <i>Denise Healy</i>	Milk of Magnesia for pH Control - <i>Doug Kelly</i>	<ul style="list-style-type: none"> ◆ HDPE Pipe - <i>Barry Peterson</i>
4:05 – 5:05	<ul style="list-style-type: none"> ◆ Optimal Assset Management with Advanced Ultrasonic Level Controllers - <i>Valentin Sonnier & Stephen Milligan</i> 	<ul style="list-style-type: none"> ◆ Ozone - <i>Harold Perry</i> 	If It Stinks, It Corrodes - <i>Doug Kelly</i>	Optimizing the Oxidation Ditches Process - <i>John Harrison</i>	Sewer Rehab - Cured-In-Place-Pipe - <i>Don Fiene</i>