

Monday	Idaho	Palouse	Washington	Empire
Time	LABORATORY	Biological Nutrient Removal	Water-Wastewater	Regulations
7:45-9:00	<b>OPERATOR'S BREAKFAST- SILVER ROOM</b>			
9:00-9:55	Monitoring coronavirus in wastewater: The Idaho story Erik R. Coats; Claire Warren - University of Idaho WW .091 CEU	Value Engineering an Operator's Plant Brent Deyo - T-O Engineers/Ardurra WW .091 CEU	Wastewater Chemistry: 101 Doug Kelley - Inland Envoromental WW .091 CEU	Safe Digging Bill Hale - DOPL W/WW .091 CEU WWP211211647
9:55-10:15	<b>BREAK: COFFEE- IN VENDOR SHOWROOM</b>			
10:15-11:10	BOD Testing Erica Schwender - Professional Training Association	Introduction to Biological Nutrient Removal (BNR) Jim Lee - Professional Training Association	The Fundamentals of Electrochemistry Mark McElroy - Thermo Fisher	DOPL rules, and Licensing questions John Nielson and Kaitlin Kinne - DOPL W/WW .091 CEU WWP230512323
11:15-12:10	BOD Testing continued WW .183 CEU	Intro to BNR continued WW .182 CEU	continued W/WW .182 CEU	PFAS 101 – What is it? Why is it here? How do we treat it? Jim Joyce - PumpTech W/WW .091 CEU
12:10-1:10	<b>LUNCH ON YOUR OWN</b>			
1:10-2:05		SBR - the other magic three letters Bryan Donaldson - Mountain Waterworks/Merrick WW .091 CEU	THM treatment Don Bloomquist - JUB W/WW 0.091 CEU	PFAS-They are here, now what? Mark Ritari - Anatek Labs W/WW .091 CEU
2:05-2:25	<b>BREAK: COFFEE- IN VENDOR SHOWROOM</b>			
2:35-9:00	<b>HELLS CANYON (BEAMERS) JET BOAT RIDE &amp; DINNER - BUSES START LOADING OUTSIDE UNIVERSITY INN LOBBY AT 2:35 P.M.</b>			
CEUs				
Tuesday	Idaho	Palouse	Washington	Empire
Time	EDUCATION	PUMPS	COLLECTIONS	
8:00-8:55	ABC Review Ken Windram - HARSB	Vertical Turbine Pumps 101 Jim Joyce - PumpTech	Wastewater Lift Station Design and Considerations Stillman Norton - Keller & Assoc. WW .091 CEU ECY23-3393	The Modern Operator Ryan Rehder - Mountain Waterworks/Merrick .091 CEU
9:00-9:55	cxontinued	continued	Manhole Rehabilitation John Raymond - Integrity Inspection Solutions WW .091 CEU	Spanish Fork Headworks Kylie Cutler - JUB .091 CEU
9:55-10:15	<b>BREAK: COFFEE- IN VENDOR SHOWROOM</b>			
10:15-11:10	continued WW .273 CEU	continued W/WW .273 CEU ECY15-A2950	Odor Control: Killing 3 Birds with One Stone Doug Kelley - Inland Envoromental WW .091 CEU	Introduction to Anaerobic Digestion Casey Fisher - Idaho Rural Water WW .091 CEU
11:10-12:10	<b>LUNCH ON YOUR OWN</b>			
12:10-1:05	Coupling O&M Challenges and Permit Requirements – Meridian's Strategy to Reduce Struvite Issues while Reducing Phosphorus Recycle Stuart Hurley - Mountain Waterworks/Merrick WW .091 CEU	Lead and Copper and asset management of service lines Michele Johnson, Chris Yale - JUB W/WW .091 CEU	Sewer root and F.O.G. Control Dan Lawrence - ROOTX WW .091 CEU ECY23-3390	Biosolids Dewatering and Composting Technology Evaluations Eric Roundy, Stillman Norton - Keller & Assoc. WW .091 CEU ECY23-3392
1:10-2:05	Ketchum/Sun Valley Water and Sewer District (SVWSD) reuse program Brad Bjerke - HDR WW .091 CEU	Project life cycle for owner-performed waterline installation Adam Rushold - JUB WW .091 CEU	Conducting I&I interrogation using temperature probes Erik R. Coats, Simon Smith WW .091 CEU	Advancement in Dewatering technologies Devry Faddis - Charter Machine WW .091 CEU

2:05-2:25	<b>BREAK: SNACK/COFFEE- IN VENDOR SHOWROOM</b>			
			<b>OPERATIONS/O&amp;M</b>	
2:25-3:20	Process Control-How to use lab data to optimize and troubleshoot your wastewater treatment process Jim Lee - Professional Training Association	Project Constructability Considerations Dulci Kau, Jon Baune - JUB WW .091 CEU	AC Power, Motors and VFD Control Jim Joyce - PumpTech	Aeration Basin Upgrades to Achieve Energy Savings and Reduce O&M Eric Roundy, Stillman Norton - Keller & Assoc. WW .091 CEU EGY23-3391
3:25-4:20	continued	New Developments for the Humble Butterfly Valve Wade Esplin - AVTEK Valves DW/WD .091 CEU WWP220811914	continued	Chlorine Disinfection Ken Windram-HARSB WW .091 CEU
4:25-5:20	continued WW .273 CEU	UV Disinfection 101-with non contact UV Jim Joyce-Pump Tech W/WW .091 CEU	continued W/WW .273 CEU	Trickling Filters 101 Ken Windram-HARSB WW .091 CEU
7:00-9:00 CEUs	<b>AWARDS BANQUET</b>			
<b>Wednesday</b>	<b>Idaho</b>	<b>Palouse</b>		
8:30-9:25	Understanding Control Systems Integration and SCADA Jonathon Frank - Advanced Control W/WW .091 CEU	Activated Sludge Process Review Jim Lee - Professional Training Association		
9:25-9:40	<b>BREAK: COFFEE- IN CONFERENCE HALLWAY</b>			
9:40-10:35	Maximizing Booster Station Efficiency Stillman Norton - Keller & Assoc W/WW .091 CEU WWP230512327	Activated Sludge Process Review continued WW .183 CEU		
<b>CEUs - RETAIN THIS SHEET FOR SUBMITTAL TO IBOL TO VERIFY CEU REQUIREMENTS</b>				