

Florence Scheduling - Outline

MONDAY		SEPTEMBER 11, 2023	
12:30-04:45 PM		<b>Risk Assessment and Emergency Response</b> How to complete a risk assessment and be proactive and prepared for an emergency at your water and wastewater system. <b>0.4 W/WW</b> <b>Scott Berry, OAWU</b>	
TUESDAY		0.75 W/WW CEUS	
Time			
07:00 – 08:00 AM		Registration:	
08:00 – 09:00 AM	0.1	<b>OSHA Inspections</b> What to expect in and how to be prepared for an OR-OSHA inspection. <b>Larry Fipps, OSHA</b>	<b>W/WW</b>
09:00 – 10:00 AM	0.1	<b>Acoustic Leak Detection and Smart Water Meters</b> Integrated acoustic sensor housed in the meter presents an approach to increase the number of acoustic sensors in a water grid tenfold. <b>Tim Owens, Correct Equipment</b>	<b>W/WW</b>
		<b>How Wastewater Collection Impacts Treatment</b> will discuss the constituents in wastewater while also covering the process of the nitrogen cycle. This will transition into a discussion overviewing multiple types of treatment technologies as well as methods of wastewater collection. The positives and negatives of each system. The presentation will be concluded with comparing how the different collection methods' impact the various treatment technologies. <b>Jonathon Honeywell, Orenco Systems, Inc.</b>	<b>WW</b>
10:00 – 10:15 AM		Break	
10:15 – 12:00 PM	0.175	<b>Tools and Tech for Business Continuity</b> Major technologies, cloud and mobility, asset management, and many other important things to become resilient as an organization. <b>Arnab Bhowmick, AAKAVS Asset Management</b>	<b>W/WW</b>
		<b>Biosolids Composting Project</b> City of Albany-Millersburg composting facilities are being constructed to process biosolid material for beneficial reuse as a Class A product. This includes covered piles, with in-ground aeration, a biofiltration odor control system, covered storage for amendments and finished compost. The biosolids storage facility will also be enclosed and have a canister system for treating noxious odors. Significant equipment changes in the biosolids dewatering building include replacement of the BFPs, dewatered solids pumps, polymer addition system, two rotary screw presses, dewatered solids conveyor system, and a new polymer addition system will serve as replacements. Changes to the City of Albany-Millersburg dewatering and composting process are anticipated to be completed by March 2022. <b>Brian Stevens, City of Albany</b>	<b>WW</b>
12:00 – 01:00 PM		Lunch provided	
01:00 – 02:00 PM	0.1	<b>Water Tour</b> Will discuss the treatment of water from the dunal aquifer with high levels of iron and manganese present in the native groundwater. Will explain the process of treatment with pressurized biological reactors and pressurized green sand filters. <b>Mike Miller, City of Florence</b>	<b>W</b>
		<b>Operation of an Anerobic Lagoon</b> The ins and outs of operating, managing, and maintaining an anerobic lagoon system. What it can treat and how it works. <b>Dick Heard, Heard Farms</b>	<b>WW</b>
02:00 – 03:00 PM	0.1	<b>Water Tour (Continued)</b> <b>Mike Miller, City of Florence</b>	<b>W</b>
		<b>Membrane Systems and Headworks</b> An In-depth look at membrane technology and the importance of headworks. <b>Hiro Kuge, Kubota Membrane</b>	<b>WW</b>
03:00 – 03:15 PM		Break	

Florence Scheduling - Outline

03:15 – 05:00 PM	0.175	<b>The Role We Play for Emergencies</b> Are you ready for an emergency? Fire, earthquake, snow, flooding they all require one same thing, You! We will talk about emergencies from the 30,000 foot level. Look at resources you may know about and others you don't. I will be sharing tools that I have used to get a volunteer work force, grants, equipment, and further education for your water or wastewater system. <b>Dan Weitzle, City of Manzanita</b>		W/WW
<b>WEDNESDAY</b>		<b>0.75 W/WW CEUS</b>		<b>SEPTEMBER 13, 2023</b>
07:15 – 08:00 AM		Coffee and donuts		
08:00 – 9:45 AM	0.175	<b>Cyber Security Threats &amp; Best Practices for the Water Sector</b> CISA has identified the Water/Wastewater sector as a high priority and for good reason. It is foundational critical infrastructure all communities depend on. Bad actors are targeting water/wastewater entities, so it's crucial to ensure cyber protections are implemented. The presentation will focus on general cyber threats and more specifically, on OT cybersecurity best practices and current threats. It will also outline cyber services CISA provides at no charge to help organizations evaluate and improve their cyber security posture. <b>Leslie Kainoa, Cybersecurity and Infrastructure Security Agency</b>		W/WW
09:45 – 10:00 AM		Break		
10:00 – 12:00 PM	0.2	<b>Oregon Asset Management Implementation Plan</b> Oregon Capacity Development Strategy revision meets new requirements related to asset management America's Water Infrastructure Act of 2018 amended Section 1420 subsections (c)(2) and (c)(3) of the SDWA. Oregon encourages public water systems to develop and implement asset management plans. Oregon is applying the Asset Management Implementation Plan in 5 phases. <b>Phebe Howe, OHA</b>	W	<b>DEQ Wastewater Operator Certification Basics</b> This presentation will cover the application and certification process, tips to avoid mistakes, an overview of where to find the information you need on DEQ's website, and an opportunity for program feedback. <b>Introduction to Your DEQ Online</b> Over the next two years, Your DEQ Online will bring most of DEQ's application, payment and reporting processes into one cloud-based platform. This presentation will provide an overview of what to expect for this new platform called Your DEQ Online. There will also be a brief demonstration of the application process and key features of the system. <b>Kimi Grzyb, DEQ</b>
		<b>Lead and Copper</b> A brief overview of the lead and copper rule and then give an overview of the new lead and copper service inventory requirements. <b>Zach Cunningham-Golik, OHA</b>	W	
12:00 – 01:00 PM		Lunch provided		
01:00 – 02:00 PM	0.1	<b>Hydraulic Control Valve Basics and Troubleshooting</b> We will review control valve bodies and explore the most popular pilots that operate them, then learn basic control valve troubleshooting. This beginning class is for operators/managers with control valves in their system, or for those folks that just need the knowledge. <b>Geoff Robinson, Cimco-GC Systems</b>	W	<b>Florence Flo Gro/Plant Tour</b> Overview of wastewater plant and the biosolids plan, Flo gro, a covered aerated static pile (CASP) system to compost the biosolids into a Class A product that can be distributed to the public. <b>Mike Miller, City of Florence</b>
02:00 – 02:45 PM	0.075	<b>Air Mitigation in Fluid Conveyance: Are we Strangling our Pipes?</b> This class will offer a very brief primer on fluid hydraulics as it relates to the presence of air/gas in municipal pipelines, then explore the valve types and their applications. We will finish up by investigating AWWA sizing guidelines as well as operation & maintenance. <b>Geoff Robinson, Cimco-GC Systems</b>	W/WW	<b>Florence Flo Gro/Plant Tour</b> (Continued) <b>Mike Miller, City of Florence</b>
02:45 – 03:00 PM		Break		

Florence Scheduling - Outline

03:00 – 04:00 PM	0.1	<b>USDA Funding Options</b> This class will focus on the funding options for water and wastewater systems available through USDA Rural Development in Oregon. There will be discussion on the steps to take before a project is off the ground and working through the project from the funding side of things. <b>Holly Halligan, Deanna Quimby, UDSA</b> <span style="float: right;">W/WW</span>	
04:00 – 05:00 PM	0.1	<b>Pipe Bursting and Piercing Tools</b> History of pipe bursting in the municipal market, proper equipment available for the various types of pipe and the proper use of the tools. <b>Scott Bevens, Ditch Witch West</b> <span style="float: right;">W/WW</span>	<b>Biological Nutrient Removal</b> The processes in biological nutrient removal (nitrogen and phosphorus from the wastewater), the nitrogen cycle, and some of the chemical transformations involved. <b>Robert Smith, Treatment Equipment Company</b> <span style="float: right;">WW</span>
<b>THURSDAY</b> <span style="margin-left: 200px;"><b>0.4 W/WW CEUS</b></span> <span style="float: right;"><b>SEPTEMBER 14, 2023</b></span>			
07:15 – 08:00 AM	Coffee and donuts		
08:00 – 09:00 AM	0.1	<b>Lab Work</b> Look at sampling procedures and the required paperwork for water and wastewater labs. <b>Lisa Leming, Umpqua Research</b> <span style="float: right;">W/WW</span>	
09:00 – 10:00 AM	0.1	<b>Migrating Paper Infrastructure Maps to GIS</b> The do's, the don'ts, and why it's worth it. <b>Timothy Gross, Civil West Engineering Services, Inc.</b> <span style="float: right;">W/WW</span>	
10:00 – 10:15 AM	Break		
10:15 – 12:00 AM	0.175	<b>Pumping Chlorine: The Good, the Bad and the Ugly</b> We will talk about how difficult chlorine is to pump and how most people who design the system don't realize how hard it is to pump. Many people who operate the chlorine systems think it is their fault that the chlorine system won't pump consistently. Most times it is a combination of poor design and poor installation. We can help them fix both of those. <b>Phil Pelletier, Furrow Pumps</b> <span style="float: right;">W/WW</span>	
12:00 – 12:15 PM	0.025	<b>Changing of the Guard</b> How to attract new water and wastewater operators to the industry and keep them. What do we do when a utility's most valuable, its people, are in a supply shortage. <b>Heath Cokeley, OAWU</b> <span style="float: right;">W/WW</span>	