

OAWU's Annual End of Year Operator's Conference



Best Western Hood River Inn, Hood River, Oregon • December 11–14, 2023
Earn up to 2.6 CEUs in either Water or Wastewater

**Attention Water and
Wastewater Departments**
When finished reading, please
route to manager(s), operators,
city recorder and/or board members.

Oregon Association of Water Utilities
935 N. Main St.
Independence, OR 97351
503-837-1212 Fax 503-837-1213
Address Service Requested



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OAWU's Annual End of Year Operator's Conference

December 11-14, 2023 • Best Western Hood River Inn
1108 E. Marina Way, Hood River, Oregon 97031

ACCOMMODATIONS: (800) 828-7873

Guest room block available until November 15, 2023. When calling to reserve, identify yourself as an attendee of the OAWU Operator's Conference. Rates are dual occupancy; additional person \$15.

Nonview Two Queen \$129 + tax per night • Nonview King \$129 + tax per night • Riverview King \$155 + tax per night

Please use one form for each person attending (photocopy additional forms as needed).

Full Name _____

Water Certification # _____ Wastewater Certification # _____ Working toward certification

System Name _____

System Address _____

City _____ State _____ Zip _____

System Phone _____ System Email _____

Pre-Conference (Monday, 0.6 CEUs)

Course (check box for course attending)	Fee	Subtotal
<input type="checkbox"/> Emerging Contaminants PFOS (8:30 am-12 pm) (0.3 Water/Wastewater CEUs)	FREE	FREE
<input type="checkbox"/> Risk Assessment & Emergency Response (1 pm-4:15 pm) (0.3 Water/Wastewater CEUs)	FREE	FREE
PRE-CONFERENCE TOTAL		

Full Conference (Tuesday-Thursday, 2 CEUs) ESAC #TBA

Conference Registration <i>Includes training sessions, coffee and donuts, and lunch each day</i>	Early Bird (postmarked by Nov. 2)	Standard (postmarked after Nov. 2)	Subtotal
OAWU Member	\$325	\$355	
Non-Member <i>(non-members receive one-year individual membership with conference registration)</i>	\$425	\$455	
TOTAL REGISTRATION FEES			

TOTAL CONFERENCE FEES

Payment Enclosed Purchase Order: PO # _____ Please Invoice

If paying by credit card, please call the OAWU office after submitting your registration form.

Email receipt to: _____ Fax receipt to: _____

Confirmation & Cancellation

No refunds will be issued and a regular registration fee will be billed for those who fail to attend and do not give the OAWU office notice seven days prior to the start of the conference.

Please keep a copy of your registration form or contact the OAWU office at 503-837-1212 for confirmation.

SEND REGISTRATION FORM AND FEES TO:

Email to: office@oawu.net | Mail: OAWU, 935 N. Main Street, Independence, OR, 97351 | Fax: 503-837-1213

MONDAY, DECEMBER 11, 2023

0.6 CEUS

8:30 AM–12:00 PM	0.3	<p>Emerging Contaminants PFOS – Monty Norris The class will supply an overview of sources and treatment options as well as current trends in regulations.</p> <ul style="list-style-type: none"> • 08:30 – 10:00 Sources of and types of contaminants, levels of concern. • 10:00 – 10:30 Break • 10:30 – 12:00 Treatment options that may be best suited for your utility. <p style="text-align: right;">w/ww</p>
1:00 PM–4:15 PM	0.3	<p>Risk Assessment & Emergency Response – Scott Berry How to complete a risk assessment and be proactive and prepared for an emergency at your water and wastewater system.</p> <ul style="list-style-type: none"> • 1:00 – 2:30 System risks from various hazards associated with mechanical integrity of the utility. • 2:30 – 2:45 Break • 2:45 – 4:15 Actions, procedures that mitigate the impact of the malevolent act or natural hazard. <p style="text-align: right;">w/ww</p>

TUESDAY, DECEMBER 12, 2023

0.725 CEUS

7:45–8:00 AM REGISTRATION & INTRODUCTION				
8:00–10:00 AM	0.2	<p>Cyber Security Threats & Best Practices Cyber threats and more specifically, OT cybersecurity best practices and current threats. CISA provides help to organizations evaluate and improve their cyber security posture for water and wastewater systems. <i>Leslie Kainoa, Cybersecurity And Infrastructure Agency</i></p> <p style="text-align: right;">w/ww</p>		
10:00–10:15 AM BREAK				
10:15–12:00 PM	0.175	<p>Utility Locating Locating from start to finish. We will be hands on with various types of locators and processes. <i>Nick Frappier, NW Hydrovac Corp</i></p> <p style="text-align: right;">w/ww</p>		
12:00–1:00 PM LUNCH PROVIDED				
1:00–2:00 PM	0.1	<p>Understanding Control Systems Integration Identifying and understanding controls and SCADA within an integrated system. <i>Jonathan Frank, Advanced Control Systems</i></p> <p style="text-align: right;">w/ww</p>		
2:00–2:15 PM BREAK				
2:15–3:30 PM	0.125	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>Revolutionizing Water Management Water meter applicability and the importance of data management to reduce unaccounted for water. <i>Charlie Prosch, Metron Farnier</i></p> </td> <td style="width: 50%; vertical-align: top;"> <p>Utilizing Acoustic Inspection to Prioritize Sewer Cleaning Condition-based maintenance strategy and the Sewer Line Rapid Assessment Tool, or SL-RAT. <i>Gene Hallum, Info-sense</i></p> </td> </tr> </table> <p style="text-align: right;">w ww</p>	<p>Revolutionizing Water Management Water meter applicability and the importance of data management to reduce unaccounted for water. <i>Charlie Prosch, Metron Farnier</i></p>	<p>Utilizing Acoustic Inspection to Prioritize Sewer Cleaning Condition-based maintenance strategy and the Sewer Line Rapid Assessment Tool, or SL-RAT. <i>Gene Hallum, Info-sense</i></p>
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3:30–3:45 PM BREAK				
3:45–5:00 PM	0.125	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>Common Well Issues and Solutions Optimizing well performance and operations. Preventable problems that start with construction and care of water wells. <i>Jim Bailey, Shannon-Wilson</i></p> </td> <td style="width: 50%; vertical-align: top;"> <p>Membrane Systems and Headworks An in-depth look at membrane technology and the importance of headworks. <i>Doug Allie, GOBLE SAMPSON</i></p> </td> </tr> </table> <p style="text-align: right;">w ww</p>	<p>Common Well Issues and Solutions Optimizing well performance and operations. Preventable problems that start with construction and care of water wells. <i>Jim Bailey, Shannon-Wilson</i></p>	<p>Membrane Systems and Headworks An in-depth look at membrane technology and the importance of headworks. <i>Doug Allie, GOBLE SAMPSON</i></p>
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WEDNESDAY, DECEMBER 13, 2023
0.7 CEUS

	CEUS	WATER	WASTEWATER
08:00–10:00 AM	0.2	Questions for the Circuit Rider Team What is weighing on an operator's mind? What challenges are operators faced with? Personnel, dollars and/or time. Open discussion on ways to find answers and keep your utility moving forward. <i>TEAM OAWU</i>	Peracetic Acid for Wastewater Disinfection Application and use of alternative disinfection chemistry, peracetic acid (PAA) in municipal wastewater systems. What is it? How does it work? Is it right for your facility? <i>Jacquelyn Wilson, EnviroTech</i>
10:00–10:30 AM	BREAK		
10:30–12:00 PM	0.15	Couplings, Restraints, and Pipe Repair Proper installation are key components and practices to ensure your distribution system stays together. <i>John McCulley, Romac Industries</i>	Rehabilitation of Sewer / Wastewater Facilities Class demonstration on trenchless repair options for sewer line maintenance. <i>Doug Troyer, Underground Technologies</i>
12:00–1:00 PM	LUNCH PROVIDED		
01:00–2:00 PM	0.1	Service Line Inventories An update on how to prepare for and complete the new service line inventory requirement for the Lead-Copper Rule. <i>Kari Salis, OHA DWS</i>	Industrial Cleaning of Digesters, Clarifiers and Lagoons Techniques of industrial cleaning procedures and managing of biosolids <i>Steve Redford, Flohawks Industrial</i>
2:00–2:15 PM	BREAK		
2:15–3:30 PM	0.125	Certification Updates Certification rules and requirements for water distribution and treatment certifications. <i>Tony Fields, OHA DWS</i>	Wastewater Operator Certification The application and certification process, tips to avoid mistakes, and information you need on DEQ's website. <i>Kimi Gryzb, Oregon DEQ</i>
3:30–3:45 PM	BREAK		
3:45–5:00 PM	0.125	Financial Roundtable Overview of funding opportunities for utilities. Q&A and your specific projects. <i>Tony Fields, OHA.; Kim Young, RD; Capi Lewis, Business Oregon, & Tom Puttman, Puttman Infrastructure, Inc.</i>	

THURSDAY, DECEMBER 14, 2023
0.65 CEUS

08:00–09:30 AM	0.15	Tracer Wire to Locate Pipelines Tracer wire systems 101, installation, components, methods, and new technologies for water and wastewater. If Check Valves were Cars Explore many different types of check valves, their uses, and new technologies recently introduced. <i>Steve Causseaux, Cimco-GC Systems</i>	
09:30–10:00 AM	BREAK		
10:00–12:00 PM	0.2	Cybersecurity on the OT Network How to maintain security on your water and wastewater utility network and ways to combat incoming threats. <i>Greg Chase, Portland Engineering</i>	
12:00–1:00 PM	LUNCH ON YOUR OWN		
01:00–2:30 PM	0.15	OSHA Inspections What to expect during an OSHA inspection. How to prepare for an inspection and using the consulting services department to improve your health and safety program. <i>Larry Fipps, Oregon OSHA</i>	
02:30–2:45 PM	BREAK		
02:45–4:15 PM	0.15	Selecting the Appropriate Flow Meter for your Application Applications of open and full pipe flow meters. Review the technology behind props & mags versus an open channel meter velocity and level calculations. How do I know when my flow meter is accurate? <i>Ken Navidi, Bainbridge Associates</i>	