

# 2023 Fall Operator's Conference



Florence Events Center, Florence, Oregon • September 11–14, 2023  
Earn up to 2.3 CEUs in either Water or Wastewater

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

**Attention Water and  
Wastewater Departments**



**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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# 2023 Fall Operator's Conference

Florence, Oregon • September 11–14, 2023

## Florence Events Center

715 Quince Street, Florence, Oregon  
(888) 968-4086

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, 0.4 CEUs)

Course (check box for course attending)	Fee	Subtotal
<input type="checkbox"/> Risk Assessment and Emergency Response (0.4 CEUs)	FREE	FREE

### Full Conference (Tuesday–Thursday, 2.3 CEUs)

Conference Registration <i>Includes training sessions, coffee &amp; donuts, and lunch each day</i>	Early Bird (postmarked by Aug. 10)	Standard (postmarked after Aug. 10)	Subtotal
OAWU Member	\$325	\$355	
Non-Member <i>(non-members receive a one-year individual membership with conference registration)</i>	\$425	\$455	
<b>TOTAL REGISTRATION FEES</b>			

**TOTAL CONFERENCE FEES**

Payment Enclosed     Purchase Order: PO # \_\_\_\_\_     Please Invoice

*If paying by credit card, please call the OAWU office for processing and receipt.*

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 a seven-day prior notice (no later than Monday, September 4, 2023).

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:

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

<b>MONDAY, SEPTEMBER 11, 2023</b>		<b>0.4 CEUS</b>		
12:30 - 04:45 PM	0.4	<b>Risk Assessment and Emergency Response</b> How to complete a risk assessment, be proactive and prepared for an emergency at your water and wastewater system. <i>Scott Berry, OAWU</i>		
<b>TUESDAY, SEPTEMBER 12, 2023</b>		<b>0.75 CEUS</b>		
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. <i>Larry Fipps, OSHA</i>		
09:00 - 10:00 AM	0.1	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>Acoustic Leak Detection and Smart Meters</b>                              Integrated acoustic sensor housed in the meter presents an approach to increase the number of sensors in a water grid tenfold.  <i>Tim Owens, Correct Equipment</i> </td> <td style="width: 50%; vertical-align: top;"> <b>How Wastewater Collection Impacts Treatment</b>                              The constituents in wastewater and the nitrogen cycle. How the different collection methods impact the various treatment technologies.  <i>Jonathon Honeywell, Orenco Systems, Inc.</i> </td> </tr> </table>	<b>Acoustic Leak Detection and Smart Meters</b> Integrated acoustic sensor housed in the meter presents an approach to increase the number of sensors in a water grid tenfold. <i>Tim Owens, Correct Equipment</i>	<b>How Wastewater Collection Impacts Treatment</b> The constituents in wastewater and the nitrogen cycle. How the different collection methods impact the various treatment technologies. <i>Jonathon Honeywell, Orenco Systems, Inc.</i>
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10:00 - 10:15 AM		BREAK		
10:15 - 12:00 PM	0.175	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>Tools and Tech for Business Continuity</b>                              Major technologies, cloud and mobility, asset management, and other important considerations to become resilient as an organization.  <i>Arnab Bhowmick, AAKAVS Asset Management</i> </td> <td style="width: 50%; vertical-align: top;"> <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.  <i>Brian Stevens, City of Albany</i> </td> </tr> </table>	<b>Tools and Tech for Business Continuity</b> Major technologies, cloud and mobility, asset management, and other important considerations to become resilient as an organization. <i>Arnab Bhowmick, AAKAVS Asset Management</i>	<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. <i>Brian Stevens, City of Albany</i>
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01:00 - 02:00 PM	0.1	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>Water Tour</b>                              The treatment of water from the dunal aquifer with high levels of iron and manganese present using pressurized biological reactors and pressurized green sand filters.  <i>Mike Miller, City of Florence</i> </td> <td style="width: 50%; vertical-align: top;"> <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.  <i>Dick Heard, Heard Farms</i> </td> </tr> </table>	<b>Water Tour</b> The treatment of water from the dunal aquifer with high levels of iron and manganese present using pressurized biological reactors and pressurized green sand filters. <i>Mike Miller, City of Florence</i>	<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. <i>Dick Heard, Heard Farms</i>
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03:00 - 03:15 PM		BREAK		
03:15 - 05:00 PM	0.175	<b>The Role We Play In Emergencies</b> Emergencies from the 30,000 foot level. Consider resources you may be familiar with and others you don't. How to get a volunteer work force, grants, equipment, and further education for your water or wastewater system. <i>Dan Weitzle, City of Manzanita</i>		



# 2023 Fall Operator's Conference Schedule

## WEDNESDAY, SEPTEMBER 12, 2023 0.75 CEUS

07:00 – 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 and its critical infrastructure as high priority. Cyber protection is crucial. OT cybersecurity best practices and current threats. <i>Leslie Kainoa, Cybersecurity and Infrastructure Security Agency</i> <span style="float: right;">w/www</span>	
09:45 – 10:00 AM		BREAK	
10:00 – 12:00 PM	0.2	<b>Oregon's Revised Asset Management Plan Requirements</b> How the Drinking Water Program encourages development of asset management plans using best practices. <i>Phebe Howe, OHA</i> <span style="float: right;">w</span>  <b>Lead and Copper</b> An overview of the lead and copper rule and new service inventory requirements. <i>Zach Cunningham-Golik, OHA</i> <span style="float: right;">w</span>	<b>DEQ Wastewater Operator Certification Basics</b> The application and certification process, tips to avoid mistakes, information on DEQ's website, and an opportunity for feedback. <span style="float: right;">ww</span>  <b>Introduction to Your DEQ Online</b> DEQ online, applications, payment and reporting processes into one platform. What to expect and a brief demonstration of the system. <i>Kimi Grzyb, DEQ</i> <span style="float: right;">ww</span>
12:00 – 01:00 PM		LUNCH PROVIDED	
01:00 – 02:00 PM	0.1	<b>Control Valve Basics and Troubleshooting</b> Review control valve bodies and explore the most popular pilots, basic troubleshooting for operators/managers. <i>Geoff Robinson, Cimco-GC Systems</i> <span style="float: right;">w</span>	<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. <i>Mike Miller, City of Florence</i> <span style="float: right;">ww</span>
02:00 – 02:45 PM	0.075	<b>Are we Strangling our Pipes?</b> Fluid hydraulics as it relates to air/gas in municipal pipelines, the valve types, and their applications. AWWA sizing guidelines and O&M. <i>Geoff Robinson, Cimco-GC Systems</i> <span style="float: right;">w/www</span>	
02:45 – 03:00 PM		BREAK	
03:00 – 04:00 PM	0.1	<b>USDA Funding Options</b> Water and wastewater utilities funding available through USDA Rural Development in Oregon. The steps to take before a project is off the ground and working through the project from the funding side of things. <i>Holly Halligan, Deanna Quimby, UDSA</i> <span style="float: right;">w/www</span>	
04:00 – 05:00 PM	0.1	<b>Pipe Bursting and Piercing</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. <i>Scott Bevans, Ditch Witch West</i> <span style="float: right;">w/www</span>	<b>High BOD Food and Beverage Wastewater</b> High BOD wastewater is often highly impactful sources of load. Processes employed to treat these particular waste streams. <i>Robert Smith, PumpTech, LLC</i> <span style="float: right;">ww</span>

## THURSDAY, SEPTEMBER 13, 2023 0.4 CEUS

07:00 – 08:00 AM		COFFEE AND DONUTS	
08:00 – 09:00 AM	0.1	<b>Lab Work</b> Sampling procedures and the required paperwork for water and wastewater labs. <i>Lisa Leming, Umpqua Research</i> <span style="float: right;">w/www</span>	
09:00 – 10:00 AM	0.1	<b>Operator's Round Table</b> Questions and answers with real-life stories on project management, board interaction, and problem solving at your water and wastewater utilities. <i>Heath Cokeley, Scott Berry, Keith Bedell, OAWU</i> <span style="float: right;">w/www</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> How difficult chlorine is to pump and how most people who design the system don't realize how challenging this is. A combination of poor design and poor installation- let's fix it. <i>Phil Pelletier, Furrow Pumps</i> <span style="float: right;">w/www</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? OAWU's Apprenticeship program overview. <i>Heath Cokeley, OAWU</i> <span style="float: right;">w/www</span>	