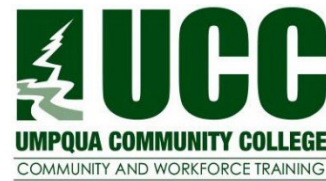


2022 Oregon Operators Conference



American Water Works Association
Pacific Northwest Section

THE FUTURE OF WATER

November 15 – 17, 2022
Douglas County Fairgrounds
Roseburg, Oregon

Register Online at: <https://bit.ly/2022OROPERATORSREGISTRATION>

For more information call: 541-440-4668 or
email: oregonoperatorsconference@umpqua.edu

Welcome from UBOS

The Umpqua Basin Operators Section (UBOS) and the Southern Oregon Subsection of AWWA are pleased to host the 2022 Oregon Operators Conference in beautiful Southern Oregon. Associated with the Oregon Region of the Pacific Northwest Clean Water Association, our members include wastewater and water treatment operators, collection, distribution, and maintenance personnel from around Douglas, Coos, and Curry County, as well as local and regional DEQ representatives. If you are interested in attending UBOS meetings and training, we invite you to attend our monthly meetings. They are usually on the third Tuesday of every month. You are invited to share lunch, ideas, and challenges and hear guest speakers who will be discussing subject matter related to the water/wastewater fields.

For more information about UBOS, contact: <http://ubos.pncwa.org>
James Baird at 541-672-1552
jbaird@rusa-or.org

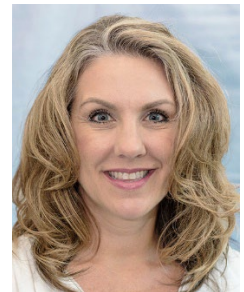
**Continuing Education
(CEUs) for: Water &
Wastewater Operators,
Onsite and Cross-
Connection Specialists.**

2022 Conference Overview

PNCWA and AWWA has partnered with UBOS to organize an outstanding conference to network, receive quality training and education, learn about products and services in the field, and enjoy the Umpqua Valley and Douglas County Fairgrounds. Your 3-day registration includes a Conference Dinner Wednesday evening, and breakfast and lunch on each day of the event.

Conference Highlights:

- Two off-site field trips are available to attendees
- Vendor booths with product displays, demonstrations, and information
- Conference Networking Social at 4:30 pm, Dinner at 5:30 pm Wednesday, November 16th. Additional tickets are \$25.00
- Door Prizes
- Keynote Speaker: **Lara Kammereck, P.E., PMP**
Lara is a civil engineer with more than 30 years of experience focused on water and wastewater master planning for public utility systems. Ms. Kammereck specializes in master planning and demographic analysis for both water distribution, collection system, and wastewater conveyance systems. Her technical expertise also includes conceptual and preliminary design of pipelines and pump stations for both water and wastewater systems. Ms. Kammereck is the current President for the Pacific Northwest Clean Water Association (PNCWA) and has been a Board Member since 2018.



CEUs

The 2022 Oregon Operators Conferences will provide, each individual, subject to conditions outlined in OAR 240, the opportunity to gain up to 2.1 Water & Wastewater CEU's for certificate renewal. CEU's for Water, Wastewater, and Cross Connect Specialist Certification Renewal, have been submitted for approval by OESAC. Watch the website for updates on OESAC approvals.



Registration Information

Register online
or mail your completed registration form
payment to: *UCC Community Ed,
PO Box 967, Roseburg, OR 97470*

Conference information & schedule updated often.
Registration cost includes: Breakfast and lunch.
Full 3-day registration includes dinner Wednesday.

<https://bit.ly/2022OROPERATORSREGISTRATION>

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● PNCWA Region Board (visit pncwa.org)

Steve Lusch
Oregon Regional Director

Rob Cox
Easter Oregon

Jeff Hart
Lower Columbia

Derek Rodrigues
South Central

Jim Baird
Umpqua Basin

Matt Etzel
West Central

● Douglas County Fairgrounds



Directions:

The Douglas County Fairgrounds has easy access to and from Interstate 5. To get there, head south on the I-5 Freeway from Portland, Salem, or Eugene, or north on I-5 from Ashland, Medford or Grants Pass. The Fairgrounds is conveniently located off Exit 123.

Lodging options include: Hampton Inn & Suites (<http://www.bit.ly/OOC21Hampton>) or Douglas County Fairgrounds RV Resort (<https://bit.ly/DCFairgrounds>)

● Specialty Class (Pre-registration required)

Cross Connection Specialist Certification Renewal

8:00 am – 3:00 pm (6 hours)

Course includes: 1) Review of cross connection control regulations, 2) Recent backflow incidents of cross connections, 3) Safety issues, 4) Best management practices, 5) Basic hydraulic principle review, and 6) Latest equipment and tools used.

One Day Class: \$50 plus Conference Registration
Cost (lunch included)

Contact Information

View updated conference information and schedule:

Susan Neeman or Lynne Smith
UCC Community & Workforce Training
541-440-4668
Susan.Neeman@umpqua.edu
Lynne.Smith@umpqua.edu
OregonOperators@umpqua.edu

Clay Baumgartner
Umpqua Community College - Engineering
541-440-4683
Clay.Baumgartner@umpqua.edu

Schedule of Events: Tuesday, November 15, 2022

15th	Water Treatment <i>Proctor: AWWA Room: Cascade West</i>	Water Distribution <i>Proctor: Josh Manson Room: Cascade East</i>	Wastewater Collection <i>Proctor: Andy Blondell Room: Umpqua Hall</i>	Wastewater Treatment <i>Proctor: Caleb Trammell Room: Pacific Hall</i>
7:00 REGISTRATION BEGINS & BREAKFAST				
8:00 - 9:00 KEYNOTE SPEAKER – Lara Kammereck, President PNCWA – W, WW Future of Water – 1A				
9:05-10:05	Vendor Display <i>W, WW</i>	AMI Options and Water Distribution Management Systems Bridget Garlinghouse Consolidated Supply Co. <i>W</i>	Utilizing Acoustic Inspection to Prioritize Sewer Cleaning Gene Hallum InfoSense, Inc. <i>WW</i>	Solutions for Pump Plugging Rich Owens Owens Pump & Equipment <i>W, WW</i>
10:05 - 10:15 BREAK				
10:15-11:15	Mixing and TTHM Removal in Potable Water Tanks Harvey Hibl Ixon Medora/Ixon Watercare <i>W</i>	Practical Guide to Locating Water (including non-metallic pipes) & Sewer Locating Brian Moss RJM Equipment Sales, Inc. <i>W, WW</i>	Vendor Display <i>W, WW</i>	Chemical Root Control Dan Lawrence Rootx <i>WW</i>
11:15 - 11:20 BREAK				
11:20 - 12:20	Summation of the Importance of Water Conservation Chris Bennett Correct Equipment <i>W</i>	Practical Guide to Water Leak Detector & Non-Metallic Water Pipe Locating Brian Moss RJM Equipment Sales, Inc. <i>W, WW</i>	CCTV Operation Basics (Pipeline Assessment) Andrew Blondell Roseburg Urban Sanitary Authority <i>WW</i>	Simple Industrial Wastewater Treatment/Pre-Treatment Rich Owens Owens Pump & Equipment <i>WW</i>
12:20 -1:10 LUNCH				
1:10 - 2:10	TTHM Mitigation in Water Distribution Systems Through Water Storage Tank Mixing and Aeration Ethan Brooke UGSI Solutions <i>W</i>	Operators Math Workshop Classroom Session 4 Hour Session Lance Mason Brown & Caldwell	CCTV Operation Basics (Pipeline Assessment) Continued Andrew Blondell RUSA <i>WW</i>	Benefits of Energy Efficient Mixing/Circulation in Partial Mix and Facultative Wastewater Ponds Harvey Hibl Ixon Medora/Ixon Watercare <i>WW</i>
2:10 – 2:15 BREAK			Submersible Pump and Preventative Maintenance 2 Hour Session Dave Olson Xylem, Inc. <i>W, WW</i>	Wastewater Screening Options Rich Owens Owens Pump & Equipment <i>WW</i>
2:15 - 3:15	Technology Selection Drivers for the Portland Water Bureau Filtration Facility Tyler Kane Carollo Engineers <i>W</i>		Assessing Wastewater Microbials Ecology Caleb Trammell Jacobs <i>WW</i>	
3:15 –				
3:25 - 4:25	Using Data to Make Informed Water Infrastructure Decisions 2 Hour Session Mike Uthe Mueller Water Products <i>W</i>	Rehabilitation of Sewers – Is Geopolymer an Option? Rob Lee Leeway Engineering Solutions <i>WW</i>	Revolutionizing Sludge Dewatering Rich Owens Owens Pump & Equipment <i>WW</i>	
4:25 – 4:30				
4:30 - 5:30				

- CEU • W = Water (2.1 CEU)
Key • WW = Wastewater (2.1 CEU)

Schedule of Events: Wednesday, November 16, 2022

16th	Water Treatment <i>Proctor: AWWA Room: Cascade West</i>	Water Distribution <i>Proctor: Josh Manson Room: Cascade East</i>	Wastewater Collection <i>Proctor: Andy Blondell Room: Umpqua Hall</i>	Wastewater Treatment <i>Proctor: Caleb Trammell Room: Pacific Hall</i>
7:15 – 8:00 BREAKFAST				
8:00 - 9:00	Vendor Display <i>W, WW</i>	Ductile 101: Learning Objectives John Johnson McWane Ductile <i>W, WW</i>	How to Better Clean & Televisе Sewer and Storm Pipes Sheldon Teeples Subsite Electronics <i>WW</i>	Activated Sludge Process Control – PowerPoint Presentation Jon Gasik Oregon DEQ <i>WW</i>
9:00- 9:05 BREAK				
9:05- 10:05	Solid Emerging Technologies Chris McCalib Treatment Equipment Co. <i>WW</i>	Corrosion Protection Basics for Ductile Iron Pipelines & The Effective Use of the Updated AWWA C-105 Standard Design Decision Model (DDM) John Johnson McWane Ductile <i>W, WW</i>	Vendor Display <i>W, WW</i>	Wastewater Sludge Pumping Solutions Rich Owens Owens Pump & Equipment <i>WW</i>
10:05-10:15 BREAK				
10:15 – 11:15	The Dalles Dog River (Raw Water) Pipeline Replacement: Practical Approaches to Upgrade Infrastructure Brady Fuller, PE Jacobs Engineering Group <i>W</i>	Ductile Iron Pipe Best Installation Practices Devon Burton US Pipe <i>W, WW</i>	SSO Overflow Response Jon Gasik Oregon DEQ <i>WW</i>	Protecting the Collections Systems Doug Troyer Underground Tech <i>WW</i>
11:15- 11:20 BREAK				
11:20- 12:20	SCADA in the Cloud Jonathan Frank Advanced Control Systems <i>W, WW</i>	Calming the Network with High-res Pressuring Monitoring Nicole Kaiser Syrinx <i>W</i>	Wastewater Process Science and Control Workshop Lance Mason Brown & Caldwell 4 Hour Session	Continued 2 Hour Session <i>WW</i>
12:20 – 1:10 LUNCH				
1:10- 2:10	Chemicals in Water and Wastewater Applications Jeff Zachman Cascade Columbia Distribution <i>W, WW</i>	AMI – Beyond the Meter Read Pat Hart Ferguson <i>W</i>	Simplicities in Grit Removal Rich Owens Owens Pump & Equipment <i>WW</i>	
2:10-2:15 BREAK				
2:15- 3:15	Fundamentals of Electrochemistry Mark McElroy Thermo Fisher <i>W, WW</i>	Modern Lift Station Design and RFP Considerations Simon Cartwright Xylem - Flygt <i>W, WW</i>	Beneficial Reuse of Biosolids Rebecca Singer King County Wastewater Treatment Division <i>WW</i>	
3:15- 3:25 BREAK				
3:25 – 4:25	Continued 2 Hour Session <i>W, WW</i>	Continued 2 Hour Session <i>W, WW</i>	Package Lift Stations for Fast Retrofits Rich Owens Owens Pump & Equipment <i>WW</i>	
Social Networking/Drawing 4:30 - Dinner~ 5:30 pm				

CEU • W = Water (2.1 CEU)
Key • WW = Wastewater (2.1 CEU)

Schedule of Events: Thursday, November 17, 2022

17th	Water <i>Proctor: AWWA Room: Cascade West</i>	Water & Wastewater <i>Proctor: Josh Manson Room: Cascade East</i>	Wastewater <i>Proctor: Andy Blondell Room: RUSA WWTP</i>	Special Topic- Cross Connect <i>Proctor: Caleb Trammell Room: Pacific Hall</i>	
7:15 – 8:00 BREAKFAST					
8:00-9:00	Disinfectant Residual Control in Water Distribution Systems Ethan Brooke UGSI Solutions <i>W</i>	Oregon DEQ WQ Panel – Permitting/Permit Limits Jeffrey Navarro State of Oregon- DEQ <i>WW</i>	Hands On Wastewater Diagnostics Jon Gasik Oregon DEQ 4 Hour Session	Cross Connection Specialist Certification Renewal Mike Briesemeister EWEB 6 Hour Session	
9:05-10:05	Lead and Copper Rule Revisions Service Line Inventory Kari Salis Oregon Health Authority <i>W</i>	Regulators Round Table Jeff, Kimi, Pat, Suzie Oregon DEQ <i>WW</i>			
10:05 – 10:15 BREAK					
10:15-11:15	Tri City Water & Sanitary Authority Water Treatment Plant Tour 2 Hour Session Brian Kelly Tri City Water & Sanitary Authority <i>W</i>	DEQ Operator Certification Basics Kimi Grzyb Oregon DEQ <i>WW</i>	Wastewater <i>WW</i>	W, CCS	
11:15-11:20 BREAK		11:15 – 11:20 BREAK			
11:20-12:20		Flushing Awesome: A Northwest Pipes Update Frank Dick City of Vancouver WA <i>WW</i>			
12:20-1:10 LUNCH					
1:10-2:10	Expectations from an OR-OSHA Inspection Larry Fipps OR-OSHA <i>W, WW</i> Confined Space Entry Larry Fipps OR-OSHA <i>W, WW</i>		Field Trip: Roseburg Wastewater Treatment Plant Caleb Trammell Jacobs 2 Hour Session	Cross Connection Certification Renewal Mike Briesemeister EWEB 6 Hour Session continued	
2:10-2:15					
2:15-3:15					<i>WW</i>
OREGON OPERATOR CONFERENCE ENDS					

CEU • **W** = Water (2.1 CEU)
 Key • **WW** = Wastewater (2.1 CEU) **CCS** = Cross Connection (0.6 CEU)

Ways to Register

1 Register online at: <https://bit.ly/2022OROPERATORSREGISTRATION>

2 Complete and mail in this registration form with payment.

3 Call us at 541-440-4668 and have your information and credit card ready.

Full Name

Last

First

Middle Initial

Address

Street

City

State

Zip

Phone

Email

Birthdate

Required

Required for UCC record-keeping only

Check if NOT ok to share your contact info with Interconference Directory

Conference Registration	Early Bird (On or BEFORE October 30)	Standard (After October 31)	Subtotal
3 Days: T, W & TH Includes dinner Wed.	\$375	\$425	
2 Days Select 2: T <input type="checkbox"/> W <input type="checkbox"/> TH <input type="checkbox"/>	\$250	\$275	
1 Day Select 1: T <input type="checkbox"/> W <input type="checkbox"/> TH <input type="checkbox"/>	\$190	\$215	
Special Topics	Fee		Subtotal
Cross Connections Specialist Certification Renewal		\$50	
Additional Dinner Tickets – Wednesday Night One dinner ticket included with 3-day registration.		\$25	

TOTAL CONFERENCE FEES

Dietary Restrictions

I plan to attend the following Field Trip(s) on November 17:

Tri City Water & Sanitary Treatment Plant 10:15 am – 12:15 pm

Roseburg Wastewater Treatment Plant 1:10 – 3:15 pm

Registration cost includes: Breakfast and lunch. Full 3-day registration includes dinner Wednesday.

Payment Enclosed:
 Debit Credit
 Visa MasterCard
 Make checks payable to Umpqua Community College
 Check # _____ PO # _____

Card # _____ Exp. date _____ 3-digit code _____

Name on card _____ Signature _____

Refund Policy – Payment non-refundable, substitutions allowed.

SEND REGISTRATION FORM AND FEES TO:
UCC Community & Workforce Training, PO Box 967, Roseburg, OR 97470
For more information call (541)440-4668



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