

OREGON ONSITE WASTEWATER CONFERENCE 2023

KEEP YOUR BUSINESS MOVING FORWARD!



FEBRUARY 17 | 18 AT EAGLE CREST RESORT - REDMOND, OR

REGISTER ONLINE @ WWW.O2WA.ORG



Course Outline | Time Schedule | Speaker Information

1.2 Hours of Continuing Education are available at the two-day conference.

This conference is for industry professionals including public health officials, O&M service providers, engineers, consultants, installation contractors, septic pumpers, and others interested in onsite wastewater management. Goal to provide education latest in onsite wastewater industry issues and approaches to onsite wastewater management – Saturday is specifically the “How to” classes for those in the field.

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This In Person event is an opportunity for business owners and employees to network, meet suppliers / manufacturers, compete in the Equipment Rodeo, Auction & Raffle Prizes, and most of all have some fun!

CEU	Schedule	Classes	Meeting Room
Thursday, February 16			
	5:30 – 6:30	Welcome Reception / Registration Desk Open to Pick up Packets	Juniper
Friday, February 17th			
	7:00	Registration Desk Open / Equipment Rodeo Check In	Entrance
	7:00 – 8:00	Exhibits Open / Continental Breakfast	Juniper / Golden Eagle C D
	8:15 - 8:30	Welcome and Introductory Remarks	Juniper
0.1	8:30 - 9:30	Lisa MacGregor DEQ, SDS License Specialist “YDO” DEQ launched a new online license database called Your DEQ Online or YDO. Licensees can apply, renew, change & pay for licenses online now. Attend the session to learn more and get tools to set up an account to link to your license.	Juniper
0.1	9:40 - 10:40	Brian Rabe Brian T. Rabe, CPSS, WWS Elkhorn Consulting Nitrogen Management in Oregon This talk will provide an overview of nitrogen contributions to the environment from onsite systems in Oregon. Specifically, the presentation will outline areas of concern or higher risk, discuss nitrogen sources, species, basic treatment processes, factors affecting treatment at various stages, current treatment standards in Oregon, and what may be coming in the future.	Juniper
	10:40 – 11:10	Exhibit Hall Open / Break	
0.1	11:10 - 12:10	Johnathan Keizer / Infiltrator (Via Zoom) Decentralized Treatment Solutions - Decentralized wastewater treatment used to only be implemented if there was no possible way to connect to a centralized sewer line. However, there is no longer “one solution” in wastewater treatment. Many aspects of wastewater treatment including collection, treatment, disposal, and operation and maintenance are very similar between decentralized and centralized wastewater treatment.	Juniper
	12:00 – 1:30	Exhibit Hall Open / Lunch / Rodeo Competition	
0.1	1:30 – 2:30	Larry Fipps, OR-OSHA Overview The presentation will cover the hazards associated with Septic Tank installation and the OR-OSHA rules related to the installation.	Juniper
0.1	2:40 – 3:40	Aidan Bammes Marion County Public Works Post-Wildfire Septic Grants Aidan will be presenting alongside Kimberlee Aldrich and Craft 3 about opportunities for funding infrastructure upgrades in the post-wildfire rebuilding period. The purpose in informing industry professionals is to prepare them for the questions they will likely receive from customers and the public at large about the program. I will include what qualifies and what installers need to keep in mind when finishing a project that will pass on to get grant funding.	Juniper
	3:40 – 4:10	Exhibit Hall Open / Break	
0.1	4:10 – 5:10	Chris LeClair NOWRA / Otter Tail County Land & Resource Management Tank Lid Safety Chris will share best practices around the country and products available to consider for public safety. Make it a priority for your company – How to educate workers and property owners on risks associated with unsafe or unsecured lids.	Juniper
	5:30 - 6:45	Reception Exhibit Hall	
	6:45 – 8:30	Dinner / Fund Raising Auction / Raffle for Scholarship	

Saturday, February 18th "How To"

	7:00 – 8:00	Exhibit Hall Open / Continental Breakfast	
0.1	8:00 – 9:00	Brian T. Rabe, CPSS, WWS Elkhorn Consulting Assessing Factors Affecting Drainfield Performance This session will focus on identifying many of the factors that affect drainfield performance. For example, What does failure mean? What can contribute to failure (before, during, and after installation)? How do we evaluate drainfield performance? Are there options to remediate a failing drainfield? Key elements will be presented with ample opportunity for participants to share their experiences with the rest of the group.	Golden Eagle A B
0.1	8:00 – 9:00	Steve Sinks Orenco Systems How to utilize a Volt/Amp Meter in evaluation and trouble shoot of a Pump and Controls Standard panel types of Standard panel feature and benefits Standard panel selection Control Floats Standard panel wiring diagrams Standard panel installation Standard panel testing and troubleshooting tips.	Juniper
	9:00 – 9:30	Exhibit Hall Open / Break	
0.1	9:30 – 10:30	Brannon Lamp Kimberlee Aldrich + Panel Vineyards, Wineries, and Tasting Rooms, Not Your Everyday Wastewater Presentation will discuss siting and design challenges of Onsite Wastewater Treatment Systems serving wine industry production and hospitality facilities from perspectives of Designer/Consultant, Regulator, and O&M Provider. Will include panel discussion and Q&A."	Golden Eagle A B
0.1	9:30 – 10:30	Steve Sinks Orenco Systems Pump Basics Pump Selection Pump Curves Pump Troubleshooting Pump Repairs Do's and Don'ts Installers and Maintenance providers will have some hands-on training along with instruction.	Juniper
0.1	10:45 – 11:45	Chris Rhodaback A&B Septic Services, Inc. How to clean pressure distribution laterals and orifices using vacuum from a pump truck and a hydro jetter. This will involve showing proper PPE while hydro jetting, showing what equipment is needed, and how to operate the equipment safely. As well as a discussion about the benefits and reasons of hydro jetting pressure laterals, including sand filters, RGF and LPD systems.	Golden Eagle A B
0.1	10:45 – 11:45	Dan Buss Sep-Tech Consulting Service Math and the Installer We will visit the method to calculate tank volume, gallons per inch and how that is used to set floats and timers.	Juniper
	12:00 - 1:00	Lunch / Members Meeting Dennis Boeger, President Chris LeClair NOWRA	
0.1	1:00 – 2:00	Steve Rose Time Dosing How and when to apply. How to set schedules for multiple systems and treatment processes. What is it, what is physically involved, where is it applied and how to set schedules for treatment trains and for multi-distribution.	Golden Eagle A B
0.1	1:00 – 2:00	Larry Brown Environmental Health Specialist Oregon DEQ What Really Goes on Behind Site Evaluations - an Eastern Region Perspective - This a talk that discusses the Environmental Health Specialist and what they look for when conducting site evaluations.	Juniper
0.1	2:15 – 3:15	Paula Hartland, Oregon Department of Transportation ODOT Regulations Do you operate a truck with a weight of more than 10,000lbs for your business? If so, you may need a little refresher on ODOT regulations and an update on changes. This relaxed environment allows for you to ask questions and get guidance on how to comply with the laws related to operations of commercial vehicles.	Golden Eagle A B
0.1	2:15 – 3:15	Daniel Bush, REHS Calibrating Pumps - Why, When, Where and How Session 101 - presentation on the basics of pump calibration, including exposure to the math involved, the tools needed and procedures to perform accurate calibrations.	Juniper
	3:15 – 3:45	Break	
0.1	3:45 – 4:45	Robert Sweeney Pressure Distribution Systems - It's all about the biology. Session presents concepts regarding objectives and methods for distribution of treated wastewater into the receiving environment, the fate of effluent as it flows through the soil and returns to the natural environment. Several case studies will be presented, with soils, distribution methods and performance data.	Golden Eagle A B
0.1	3:45 4:45	Joe Rebori Manager, Inquiries & Engineering BioMicrobics, Inc. Troubleshooting Wastewater Treatment Processes Session covers common process issues in wastewater treatment, and how to narrow down causes with an understanding of relationships between wastewater parameters including BOD, total nitrogen, alkalinity, and pH. Indicators of toxicity in biological processes are discussed.	Juniper
1.2	4:45	Conference Completed	

To get credit for each class attendees will be given a quiz related to the content in the class. Will not be graded for credit. At the conclusion turn in your answers before you leave. A certificate for proof of attendance will be mailed to the address provided.

NOTE – Schedule and speakers subject to change without notification.

Speaker Information

Kim Aldrich Marion County Public Works Graduated from OSU with a Bachelors in Crop and Soil Science, Environmental Soils Resource Option. Septic Inspector for 18 years with Linn, Yamhill and currently Marion County, Member of O2WA since 2008, served in different board positions in that time.

Aidan Bammes Marion County Public Works Aidan is a Septic Inspector that works for Marion County, with 2.5 years of experience working with Robert Goodwin and Kimberlee Aldrich. Aidan has bachelor's degrees in Earth Sciences and Spanish Language from Oregon State University. Aidan is currently working on the organization for the Wildfire Septic Grant program in collaboration with Mid-Willamette Valley Council of Governments to reimburse infrastructure upgrades for those affected by the Beachie Creek and Lionshead wildfires of 2020.

Lawrence (Larry) Brown Oregon Department of Environmental Quality Larry Brown is an Environmental Health Specialist who has been with Oregon DEQ for over 27 years. He has worked with both residential and commercial facilities and evaluates land application activities to ensure groundwater and public health protection.

Daniel Bush DM Bush An Environmental Health Specialist having worked in Onsite since July 1973. Experience as a Regulator at County and State levels and as a Consultant and O&M Operator. A founding member of O2WA. Operated Septic Technologies, which specialized in commercial systems management. Retired in June of 2019. Instructor of the Oregon Maintenance Provider Training/Certification program at Chemeketa CC. And an Onsite representative on the Oregon Environmental Services Advisory Council (OESAC)

Larry Fipps OR-OSHA Larry is the OR-OSHA Consultation Manager for the Eugene and Medford field offices. I was a safety consultant and a trainer before becoming the manager.

Paula Hartland Oregon Department of Transportation Paula Hartland has been with the ODOT for 25 years and has been presenting at O2WA Conferences for over 12 years. Paula is a Senior Safety Compliance Investigator and Truck Inspection Training Instructor.

Jonathan Kaiser Infiltrator Water Technologies Jon joined Infiltrator Water Technologies in 2016 as a Project Engineer after graduating with his B.S. in Environmental Engineering from the University of Vermont. He spends his time at Infiltrator working on the design and construction of decentralized wastewater treatment systems, as well as product regulation and research and development initiatives. He is a presenter and published author on many industry-related topics.

Brannon Lamp Aqua Resource Design & Consulting, LLC Brannon Lamp has attended Oregon State University and Portland State University. He holds a B.A. degree, as well as a B.S. in Environmental Science from Portland State, and has also completed Graduate work in Education. Mr. Lamp started working in the industry in 1999 and is a Registered Environmental Health Specialist (REHS) in Oregon and a Certified O&M Provider. He is also a Licensed Designer in Washington State. Brannon enjoys hiking and backpacking and plays golf marginally.

Chris LeClair Otter Tail County Land & Resource Management, NOWRA Vice President Chris LeClair has been a REHS since 1996. He began his career in environmental health in 1993 with Anoka County MN. After graduating from the Univ. of Minnesota in 1995, he was hired at Washington County MN where he inspected restaurants, hotels and swimming pools, eventually inspecting septic systems in 2002. After 22 years at Washington Co., Chris moved to Otter Tail County to head the department that oversees septic system regulations and land use regulations in a county with 1,048 lakes.

Lisa MacGregor DEQ Lisa MacGregor has been with DEQ as the SDS License Specialist since 2008. She is a life-long Oregonian and lives in the lower Willamette Valley with her family. She has a BA in Psychology from Penn State University.

Brian Rabe, CPSS, WWS Elkhorn Consulting, LLC Brian Rabe, recently retired from Valley Science and Engineering (formerly Cascade Earth Sciences) after more than 35 years as a consultant. He has a BS in Soil Science from Oregon State University. Much of his recent focus has been on designing systems to achieve very high levels of nitrogen removal. He continues to support Valley and provides selected service in a semi-retired capacity as Elkhorn Consulting LLC. He now lives in Baker County, Oregon and has spent most of his freed-up time cutting firewood, feeding the fireplace, and shoveling snow.

Joe Rebori BioMicrobics, Inc. Joe Rebori is the Manager of Inquiries & Engineering for BioMicrobics. He works with BioMicrobics distributors, septic designers, and engineers to advise on the use of onsite wastewater treatment systems in commercial and high-strength waste applications. His focus is in fixed-film and membrane bioreactor process technologies. He also assists a global customer base with residential wastewater, greywater, and stormwater products.

Chris Rhodaback A&B Septic Service Inc Chris is licensed in many aspects of the job and maintains a close relationship with the community he works in, sponsoring many businesses, sporting groups, and other various companies. Chris lives by the company motto; Personal Integrity creates Quality Service. Chris has been a member of the O2WA for over 17 years. He served as the President in 2014, Secretary in 2017 and Treasurer in 2018."

Steve Rose Septic Technologies In the septic industry for 25years. From portable toilets service to pump truck operation, to systems maintenance, upgrade, and repairs to residential O&M. The last 10 years in commercial system O&M. Currently lead technician for Septech from Milwaukie office.

Steven Sinks Orenco Systems Steve Sinks is an Account Manager with Orenco Systems, Inc., a wastewater equipment manufacturing firm based in Sutherlin, Oregon. In this role, he works with our dealers and distribution partners to familiarize them with Orenco's products, assist them with logistics, and help them grow their market. He also helps train internal staff and assists the Sales Department with customer interactions. Previously, Steve was the Senior Pump Technician and Pump Purchaser for Orenco.

Robert Sweeney Environmental Management Systems, Inc. Bob Sweeney, is the President of Environmental Management Systems, Inc., Oregon Registered Environmental Health Specialist and Washington Licensed Professional Onsite Wastewater Treatment System Designer. He has 45 years of experience as a Regulator & Consultant / Designer and served as the President of the Washington On-Site Sewage Association, Board Member of O2WA and has been selected to serve as the Design Representative on the National Onsite Wastewater Recycling Association for 2023-25.

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