



I.N.F.O. Industry News for Oregon

Presidents Message

Hey everyone! It's that time of year to share some highlights on things happening in the onsite work in Oregon. We recently conducted our Fall Conference at the Umpqua Community College campus on Friday, November 3rd. Attendance was around 70 people, with normal attendance at the Fall venues at approximately 40 people. I actually talked to folks from Hood River, Astoria, and Brookings. That's pretty impressive given it's only a 1 day conference in southern Oregon. It's always good to talk with folks across the state to see what's happening in their part of the world.

Our Annual Conference is coming up next to be located at the Seaside Convention Center in Seaside, OR on Friday/Saturday, April 5th and 6th. This promises to be an awesome conference in a newly renovated building at a fun town on the north coast. This will be my last year as serving as your president for the past 4 years. We will have a great line-up of speakers and activities, to include the Roe D Hoe competition in the parking lot. Opening speaker will be Dennis Halligan, PE, Septic Myths.

We are aware of two sponsored bills that passed the legislature last session. SB 931 relates to sewer availability that defines a sewer being available if the user is within a distance of 200 feet from a public sewer, regardless of the flow. I think this topic will continue be discussed as time goes on. The other bill (SB 835) directs the Environmental Quality Commission (EQC) to support that when an accessory dwelling unit is added to a site with a single family dwelling on it, that the flows from both buildings shall be treated by the same onsite system.

There is also a rulemaking that will increase onsite fees to possibly go into effect in 2024. A Rules Advisory Committee is now being formed regarding this topic. Thanks to Kevin Riddle, Lisette Hamer-Richardson and Pat McVey for representing the industry and O2WA.

The DEQ is also rolling out their E-Permitting program which is being used by increasing counties. Corby Eden of the DEQ presented this program at our Fall Conference and is providing technical support to many counties as possible.

Your O2WA Board is also still pursuing awareness of the concern regarding Tank Lid Safety. I presented the NOWRA power point on this topic at our Fall Conference. This topic is picking up some steam and your Board is in the process of preparing a position statement on this. We are also working on a joint Informational Sheet with the DEQ that can be made available to anyone who has an on-site system or is involved in the onsite program.

A few more things – the new 2 day installer certification program is running strong. Thanks to Daniel Bush and Dan Buss for shouldering the efforts. We wish them both the best as they prepare to retire. The new instructors for O&M are Steve Greenslate and Steve Rose. Edward Varga is instructor for the Installer program, and we are looking for a 2nd instructor. If you know anyone interested, please have them contact Dan Buss. We are also in the process of updating our website to improve access and function. Members will benefit from the NOWRA website which has a "locate a professional" online directory. I'd therefore recommend you check out their site if you're interested in finding an installer, service provider, or designer in a certain region of Oregon.



My continued thanks for all of your hard work of our members in the onsite industry or interest in where things are headed in Oregon. I speak on behalf of all the Board members by wishing you all a joyful and safe holiday season! Dennis

Election Year 2024 Call for O2WA Directors Nominees for positions on the Board of Directors must have demonstrated a commitment to the mission and purposes of Oregon Onsite Wastewater Association, and must have expertise in areas relevant to the needs of the organization. 2024 Seats Tank Mfg. | O&M | County Reg. Contact the O2WA Office or Dennis Boeger for more information.

Online Wastewater Training & Education <https://www.nowra.org/training/>



Convenient, self-paced, and affordable—top-quality education at your fingertips. NOWRA's Installer Academy Online makes it easier for you to obtain high quality onsite wastewater training by bringing the classes to you!

Courses have been developed by respected industry professionals from academia, engineering, soil science and contracting. Each course offers a dynamic mix of classroom lectures, external videos and required readings, along with periodic tests of your knowledge. When you pass a course, you get a personalized Certificate of Completion which can be used as continuing education documentation.

Troubleshooting Septic Tanks (1.5 hrs)

This presentation will discuss aspects and methods for troubleshooting tanks of various materials. It will also discuss troubleshooting the performance of tanks, such as: system backing up into the home, then there could be clogging due to various factors: roots, poor slope on inlet piping, bends, or possibly the pipe has settled, field inspection methods will be discussed to check these possibilities. Other issues to review: Proper pumping intervals, sludge and scum depths, surface drainage, tank siting/location, backfill settlement, tank settlement. Observations of a proper and improper functioning tank: odors, scum buildup, or conversely lack of a proper scum layer, dead tanks, and wastewater color (strength observation). The instructors for this class are Dennis Hallahan with Infiltrator and Claude Goguen with the National Precast Concrete Association.

Design: Soil Properties (2 hr)

Soil is an integral component of onsite wastewater systems. It's major functions are to serve as a base to disperse effluent into or onto the earth; a critical treatment component; and serve as a repository to cycle nutrients and water into the local watershed. Discussion of fundamental soil properties such as texture, clay mineralogy, color, and soil structure of the internal soil profile will be presented along with soil landscape characteristics. Emphasis of soil properties which influence treatment and dispersal of effluent will be provided as well as modified by landscape position and geometry.

Troubleshooting Pumps & Controls (1 hr)

This presentation will address issues when troubleshooting systems that incorporate pumps and controls. It will cover the 3 most used pumps in our industry, how they work and how they differ depending on their application. Pumps can fail for a variety of reasons including sizing the pump. It is important to know how pumps should be chosen to help determine the reason for failure. Some of the basic rules of troubleshooting will also be covered. There are many different types and styles of control panels on the market today and learning to troubleshoot all of them would be impossible in this short time but there are some basic practices and procedures that apply to all panels which we will cover.

The instructor is Tom Fritts with Residential Sewage Treatment Company.

CALCULATING SIMPLIFIED - Daniel Bush

The volume of a cylinder is a function of the radius (r), pi, often denoted as π , and the height (h), also referred to as depth (d). A radius is half the diameter of a circle. π is the ratio of a circle's circumference to its diameter, calculated at 3.14159265359...; a constant of 3.14 is adequate.

The long-established formula for computing the volume of a cylinder, like a round dose or septic tank for example, is...
 $\pi r^2 \times h$

For a round dose tank with a diameter of 60" and a depth from the invert of 54". Using this formula, the volume comes to...
 $3.14 \times 30^2 \times 54 = 152,604$ cubic inches

There is a new equation for the industrial world with a simpler formula, as follow. $0.785d^2 \times h$

The constant of 0.785 replaces π and the diameter is used rather than the radius. This eliminates a math step, reducing risk of error and simplify the calculation.

Using the same tank dimensions, the volume would be computed as... $0.785 \times 60^2 \times 54 = 152,604$ cu.in.

The product needs to be converted to gallons. This is accomplished by dividing the cu.in. volume by 231, which is the number of cubic inches in a gallon of liquid.

$152,604 \text{ cu.in.} \div 231 \text{ cu.in. /gal} = 660.6 = 661$ gals

Why the 1? That is the result of rounding the actual quotient of 660.62237... by the general mathematic policy of...

5 or more raise the score, 4 or less let it rest,

But not before (you are done with a calculation)

Hope you find this is useful in your field work.

NOWRA Backhoe ROE-D-HOE®

It's BACK - Back by popular demand, the NOWRA - the National Onsite Wastewater Recycling Association, will be conducting the National Backhoe ROE-D-HOE® Championship Competition.

Ro-e-D-Hoe

The WWETT Show - Water & Wastewater Equipment, Treatment & Transport Show - is the world's largest annual trade show for wastewater and environmental service professionals.

<https://www.wwettshow.com/en/home.html>



2024 Oregon Onsite Wastewater Conference | Seaside | April 5/6

Save your seat at the Oregon Onsite Wastewater Conference.

12 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. You will learn about the latest in onsite wastewater industry issues and approaches to onsite wastewater management.

Looking forward to seeing everyone back in Seaside!

Details & Conference Registration

Use the QR Code
Open the camera app.
Focus the camera on the QR code
Follow the instructions on the screen to complete the action.



Lodging - Check out the Seaside Visitors
<https://www.seasideor.com/>



Thank you to our Fall Conference Sponsors...





OREGON ONSITE
WASTEWATER ASSOCIATION
 www.o2wa.org

70 SW Century Dr., PMB 353
 Bend, OR 97702

December 2023 Issue



Enclosed:
 Membership Renewal &
 Conference Registration Form
 Add a Tax Deductible Donation to the
 O2WA Scholarship Fund...

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**Wishing Our Members...
 Happy Holidays
 & Cheers to a New Year...**



O2WA Mission & 2024 Membership

Our mission is to support our members through educational programs and opportunities, to encourage professionalism, and to protect Oregon's environment and public health.

Thank you and I hope you consider renewing and continuing your O₂WA membership. We appreciate your past membership and value your contribution to the O₂WA organization simply by maintaining your membership.

Hope to see everyone in Seaside at the Annual Convention. *Cheers to a New Year...*

Belinda Rasmussen, Executive Director

Special points of interest:

- Renew your Membership for 2024
- **Save Your Seat** for the Annual Conference April 5/6, 2024 Seaside Convention Center
- Auction / Raffle - Donations welcome - Contact Lisette Hamer-Richardson if you have an item to donate.
- Congratulations Scholarship Recipients: Kennedy Buss & Cody Brocks
- Looking for instructors for the installer certification program. Contact Dan Buss for more information.
- Current website is being updated. Watch for the new site coming soon...
- Thank you Darrell Fuller, Lobbyist for his commitment to watching out for legislation impacting the industry.

Oregon DEQ Onsite Wastewater Management Program Septic E-Permitting

The Oregon E-Permitting System allows users to create an account to submit and track applications and reports concerning septic permits. Users can use a credit card to pay application, reporting and other onsite fees. Applicants can also receive their permit online. A help desk is available to anyone who has questions. Email oregon.epermitting@dcbs.oregon.gov or call 503-373-7396 or 1-800-442-7457 for assistance.