



Onsite Wastewater Mega-Conference
 Celebrating Tomorrow's Environment
 Clean Water for the Future

NOWRA
 National Onsite Wastewater Recycling Association

NAWT
 National Association of Wastewater Technicians

SORA
 STATE ONSITE REGULATORS ASSOCIATION

O₂WA
 OREGON ONSITE WASTEWATER ASSOCIATION



2024 CONFERENCE AGENDA

Saturday, October 19, 2024

Start	Finish	
1:00 PM	6:00 PM	OPTIONAL Scholarship Golf Tournament, TBD
Noon	4:00 PM	Emerging Professionals Strategic Planning Meeting, TBD

Sunday, October 20, 2024

Start	Finish	
2:00 PM	5:00 PM	NOWRA Board of Directors Meeting, TBD
11:00 AM	5:30 PM	Registration Open, Registration Desk, TBD
1:00 PM	5:00 PM	Exhibitor Move-In, Convention Center, Ballroom 100ABC
6:00 PM	8:00 PM	Welcome Reception, Convention Center 2nd Floor Terrace/Room 203 or Exhibit Hall

Monday Morning, October 21, 2024

7:00 AM	5:00 PM	Registration Open, Registration Desk, Room 103
7:00 AM	8:00 AM	Light Continental Breakfast in Foyer and Exhibit Hall
7:15 AM	8:00 AM	Government Relations Committee, TBD
7:00 AM	6:00 PM	Exhibit Hall, Ballroom 100ABC
Opening General Session, Ballroom 100B		
8:00 AM	8:20 AM	Conference Welcome <i>President, WOSSA; President O2WA; President, NAWT; President, SORA; and Allison Blodig, President, NOWRA</i>
8:20 AM	9:45 AM	<i>Creating Our Success in Tomorrow's Clean Water Environment, Brian Harding, Service Industry Success</i>
9:45 AM	10:15 AM	Break in Foyer and Ballroom 100A & C
10:15 AM	10:40 AM	US EPA Update - Raffael Stein, Office of Wastewater Management (confirmed)
10:40 AM	11:00 AM	USDA Update - Michele Brooks, Assistant Administrator (invited)
11:00 AM	11:30 AM	Lobbying Efforts on Behalf of Onsite and Decentralized Wastewater, Tim Perrin, Polsinelli, LLC
11:30 AM	11:45 AM	NOWRA Announcements and Setting the Stage, Allison Blodig, NOWRA President

2024 MEGA-CONFERENCE AGENDA

Monday Afternoon, October 21, 2024

12:00 PM	1:30 PM	Lunch Provided in Exhibit Hall Poster Presentations in Foyer					
12:00 PM	1:30 PM	Backhoe Roe-D-Hoe, Outside Patio by Room 103					
12:00 PM	1:30 PM	State Affiliates Committee Meeting, TBD					
12:00 PM	1:30 PM	Joint Tech Practices/Education Committee Meeting, TBD					
Track Topic		Business	Looking Forward	Technical	Policy/Regulations	Nutrients	NAWT1
Track Number		1	2	3	4	5	6
Room		TBD	TBD	TBD	TBD	TBD	TBD
Start	Finish						
1:30 PM	1:55 PM	The 6 Reasons Employees Don't Do What We Need Them To Keynote Speaker -Brian Harding	Decoding AI: Is It Relevant to the Septic Industry? -Credere	Water Reuse: The Future is Now -Bishop	Talking To Regulators, the Good, the Bad, and the Nonsensicle -Scott	Relationship Between Groundwater Nitrate Concentration -Dowling	How Water Moves thru Soil - Valentine
2:00 PM	2:25 PM					Mitigation of Septic-System Derived Nutrients -Humphrey	
2:30 PM	2:55 PM	Septic Success: No-Cost Tips to Elevate Your Online Presence -Andreasen	Machine Learning Based Estimates of Wastewater Infrastructure -da Luz	Viral Metagenomic Analysis Workflow -Wu	Washington's On-Site Sewage System Rule Update -Simmons	Hybrid Adsorption Biological Treatment System (HABiTS) -Darko Okyere	Biomats - Valentine
3:00 PM	3:45 PM	Break in Exhibit Hall, Poster Presentations in Foyer Backhoe Roe-D-Hoe, Outside Patio by Room 103					
3:45 PM	4:10 PM	How to Grow Your Small Business to a Larger Company? -Brian Harding	A Roadmap for Investing in Emerging Professionals -Kaiser	Evaluating Approaches to Decentralized Wastewater Treatment and Management -Maxcy-Brown	MI Dept. of Environment, Great Lakes and Energy: Septic Replacement Loan Program -Mitchell	The State of Source-Separation -Nace	Soil as a Treatment Media - Valentine
4:15 PM	4:40 PM			Implications of Sea Level Rise on Onsite Wastewater Systems -Lazur	The Rural Utilities Service's, Water and Environmental Programs (WEP) -Maratita	State of Nitrogen Reduction Regulation and Certification in North America -Manwell	
4:45 PM	6:00 PM	Reception in Exhibit Hall Poster Presentations in Foyer					
6:30 PM	9:30 PM	OPTIONAL: Off-Site Social Event to Steam Plant Brew Pub - Preregistration Required Location TBD, Bus Transportation Provided					

2024 MEGA-CONFERENCE AGENDA

Tuesday Morning, October 22, 2024

7:00 AM	8:00 AM	Light Continental Breakfast in Exhibit Hall				
7:00 AM	8:00 AM	Committee Meeting, Room TBD				
7:00 AM	8:00 AM	Committee Meeting, Room TBD				
7:00 AM	1:00 PM	Exhibit Hall Open				
7:00 AM	4:30 PM	Registration Open				
Track Topic		Industry Needs	Soils	Management	NAWT2	Design
Track Number		7	8	9	10	11
Room		TBD	TBD	TBD	TBD	TBD
Start	Finish					
8:00 AM	8:25 AM	EPA’s Decentralized Wastewater Program: Overview and Updates -Cantu	A Perspective on Treatment in the Soil vs Treatment in the Tank -Moeller	Mastering Job Costs & Strategic Project Pricing for Long Term Business Success -Stiksma	Having Septage Disposal Problems -Ferrero	Considerations for Septic Systems Serving Vacation Home Rentals -Heger
8:30 AM	8:55 AM					
9:00 AM	9:25 AM	Surfing the Silver Tsunami with Work-4-Water -Saba Zimmer	Riding the Treatment Train: Practical Soil Concepts and Design Strategies -Rudnicki	Lessons Learned on Replacing OWTS in MO with Grant Funds -Trantham	What Can We Do About Septage Disposal Problems -Birdsong	Design Concepts of Unsaturated Media Filters -Sherman
9:30 AM	9:55 AM	Online Support and Resources for Onsite Wastewater Professionals -Terashima		Stakeholders' Perception Towards Regionalization of Responsible Management -Bakchan		
10:00 AM	10:45 AM	Break in Exhibit Hall, Poster Presentations in Foyer Backhoe Roe-D-Hoe, Outside Patio by Room 103				
10:45 AM	11:10 AM	2022 Clean Watersheds Needs Survey and Decentralized Needs - Schlaudt	Higher Linear Loading Rates Based on Water Table Mounding -Payne	Strengthening Hawaii's On-Site Wastewater Future -Young	Delaware Valley College Research Project -Valentine	Hydraulic Properties of Drip Distribution Tubing -Buchanan
11:15 AM	11:40 AM	EPA's Closing America's Wastewater Access Gap Initiative -Lowenstein		Management of Decentralized Wastewater Systems in TN -Hines	Field Evaluation of Layered Nitrogen-Reducing Soil Treatment -Cox	Flows and Loads - Wastewater Design Considerations -Kaiser

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11:45 AM	1:00 PM	Lunch Provided in Exhibit Hall, Poster Presentations in Foyer Backhoe Roe-D-Hoe, Outside Patio by Room 103				
11:45 AM	1:00 PM	Emerging Professionals Committee Meeting, Room TBD				
11:45 AM	2:00 PM	NE20245 Meeting, Room TBD (invitation only)				
1:00 PM	6:00 PM	Exhibitor Move-Out				
Track Topic		Business	Installation	Innovative Solutions	Technology	Emerging Topics
Track Number		12	13	14	15	16
Room		TBD	TBD	TBD	TBD	TBD
Start	Finish					
1:00 PM	1:25 PM	The Environmental Entrepreneurship Model -Coleman	Coatings and Sealers for Precast Concrete Tanks -Goguen	Impact of Large-Scale Soil-Based Wastewater Treatment Systems in VT -Douglas	The Future of Onsite -Hallahan	Volcanic Media in Nature Based Treatment Systems -Kele
1:30 PM	1:55 PM			Methodology for Evaluating Sites for Community Wastewater Systems -MacConnell	Poster - Septic Tank Installation - Johnson	
2:00 PM	2:25 PM	Pathways to Permit Innovative Onsite Systems -McWilliams	Overcoming Challenges for CA Wildfire Victims -Fox	Assessment of Wastewater Needs in the Alabama Black Belt -Chai	Best Tools for Best Practices -Gillespie	PFAS in Septic Systems and Private Drinking Water Wells -Pradhan
2:30 PM	2:55 PM	The Value of Military Veterans in Wastewater -Nickoli	Environmental and Economic Sustainability Assessment -Hua	Bioreactor Gardens -Mantha	Nassau County, NY's Nitrogen Reducing Grant Program - Betts	Onsite Treatment in Climate-Threatened Coastal Regions -Forbis-Stokes
3:00 PM	3:30 PM	Break, Location TBD				
		Backhoe Roe-D-Hoe Finals				
3:00 PM	3:30 PM	Committee Meeting, Room TBD				
3:30 PM	3:55 PM	NSF Onsite Wastewater Treatment and Reuse Standards -DeLand	Wastewater Pumps: Basics, Sizing, Selection, Rules of Thumb -Rook	Wastewater Recycling & Reuse: Comparison of OR and WA -Sweeney	Pressure Sewer for Septic Tank Abatement Projects -McTavish	Efficiency in Wastewater Treatment -Lowe
4:00 PM	4:25 PM					
5:00 PM	6:30 PM	NOWRA Annual Business Meeting & Reception, Room TBD				
6:30 PM	8:30 PM	SORA Reception (invitation only), Purgatory Whiskey Bar (tent)				
		Regular Mega-Conference Concludes				

2024 MEGA-CONFERENCE AGENDA			
Wednesday, October 23, 2024			
8:00 AM	4:00 PM	Post Conference Meeting (if needed), Room TBD	
7:00 AM	8:15 AM	Registration, Convention Center Lobby Light Continental Breakfast	
8:30 AM	4:00 PM	Optional Field Trip Bus transportation departs at 8:30 AM Boarding at 8:15 AM Box Lunch Provided	
Conference Concludes - See you next year in Sandusky, Ohio! October 19 - 22, 2025			