



2021 CONFERENCE AGENDA



Sunday, October 17, 2021

Start	Finish	
12:00 PM	5:30 PM	Registration Open, Registration Desk
1:00 PM	5:00 PM	Exhibitor Move-In, Veramendi Ballroom
2:30 PM	5:30 PM	NOWRA Board of Directors Meeting, San Marcos River Room
6:00 PM	7:30 PM	Welcome Reception, Rocky River Grill (Hotel Atrium)

Monday Morning, October 18, 2021

7:00 AM	5:00 PM	Registration Open
7:00 AM	8:00 AM	Light Continental Breakfast, Outside Veramendi A-D
7:00 AM	8:00 AM	Government Relations Committee Meeting, San Marcos River B
7:30 AM	11:00 AM	Exhibitor Move-In (cont'd), Veramendi Ballroom E-J
		Opening General Session, Veramendi Salons A - D
		Conference Welcome <i>Randy Chelette, Executive Director, TOWA; Kim Seipp, President, NAWT; Chris Edwards, President, SORA; and Sara Heger, President, NOWRA</i>
8:30 AM	9:15 AM	Resiliency, Sustainability, and Onsite Wastewater – What We Have Accomplished and the Projected Future, John Blount, P.E., Harris County, Texas
9:15 AM	10:00 AM	The Science of Science: Identifying Strategic Research Needs for Environmental Science, Engineering and Public Health, Bryan Brooks, Ph.D., Baylor University
10:00 AM	10:30 AM	Break, Outside Veramendi A-D
10:30 AM	11:10 AM	US EPA Update - Andrew Sawyers, Office of Wastewater Management (Remote)
11:10 AM	11:45 AM	How NOWRA Represents Your Interests in Washington, DC, Tracy Hammond, Polsinelli, LLC
11:45 AM	12:00 PM	NOWRA Announcements and Setting the Stage, Sara Heger, Ph.D., NOWRA President
12:00 PM	6:00 PM	Expo Hall Opens, Veramendi Ballroom E-J
		Lunch Provided in Expo Hall, Veramendi Ballroom E-J Backhoe Roe-D-Hoe Trials, Outside in Parking Lot behind Expo Hall Poster Presentations in Expo Hall
12:00 PM	1:30 PM	State Affiliates Committee Meeting, San Marcos River B

2021 MEGA-CONFERENCE AGENDA

Monday Afternoon, October 18, 2021

Track Topic		Policy and Education	Installation and Management	Equipment and Advanced Treatment	TOWA	NAWT
Track Number		1	2	3	4	5
Room		Spring Lake C	Spring Lake AB	Veramendi CD	Veramendi AB	Chautauqua
Start	Finish					
1:30 PM	2:30 PM	EPA's Decentralized Wastewater Program Update - Zachary Lowenstein (Remote presentation)	The Environment Beneath the Skid-Steer - Soil Engineering Basics for Onsite System Installers - David Lentz	Media Filter Operational Process - Kevin Sherman	TSS - Sources, Impacts and Solutions - Sara Heger	NAWT The Life Cycle and The Principles of OWTA - Kimberly Seipp
2:30 PM	3:00 PM	Decentralized Needs and the Clean Watersheds Needs Survey - Elisabeth Schlaudt (Remote presentation)	Source Water Protection and OWS-Are We Drinking the Same Water as Dinosaurs? - Sheryl Ervin	NEWgenerator™: Field Tests of an Off-grid Non-Sewered Sanitation System for Developing Countries and Remote Locations - Robert Bair	Effectively Using Flow Equalization Tanks to Manage Wastewater - Bruce Lesikar	NAWT The Beginning Life and Design Principles of Onsite Wastewater Treatment Systems: Part 1 - Kate Carney
3:00 PM	3:30 PM	Break and Poster Presentations in Expo Hall, Veramendi Ballroom E-J Backhoe Roe-D-Hoe Trials, Outside in Parking Lot behind Expo Hall Poster Presentations in Expo Hall				
3:30 PM	4:00 PM	Overview of Onsite and Decentralized Wastewater Inadequacies Throughout the U.S. - Jillian Maxcy-Brown	Septic Tank Design Review and Inspection - Michael Broussard	Resilient, Adaptable, Liquid-Only Sewers - Jeff Pringle	High Strength Waste Design: Best Practices and The way we do it in Texas - Dennis Hallahan	NAWT The Beginning Life and Design Principles of Onsite Wastewater Treatment Systems: Part 2 - Kate Carney
4:00 PM	4:30 PM	National Assessment of Onsite Wastewater Treatment Systems (2015-2018): Trends and Resources - Cory Yarrington				
4:30 PM	6:00 PM	Reception in Expo Hall, Veramendi Ballroom E-J Backhoe Roe-D-Hoe Trials, Outside in Parking Lot behind Expo Hall Poster Presentations in Expo Hall				
6:00 PM	9:00 PM	Off-Site Social Event - Gristmill River Restaurant & Bar, New Braunfels, TX Bus Transportation Provided - Outside of Spring Lake C				

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Tuesday Morning, October 19, 2021

7:00 AM	8:00 AM	Light Continental Breakfast, Expo Hall				
7:00 AM	1:30 PM	Expo Hall Open, Veramendi Ballroom E-J				
7:00 AM	4:30 PM	Registration Open				
Track Topic		Policy and Education	Challenges in Wastewater	Equipment and Advanced Treatment	TOWA	NAWT
Track Number		6	7	8	9	10
Room		<i>Veramendi CD</i>	<i>Spring Lake AB</i>	<i>Spring Lake C</i>	<i>Veramendi AB</i>	<i>Chautauqua</i>
Start	Finish					
8:00 AM	8:30 AM	Online Training for Soil and Site Evaluation - Karen Mancl	Impacts of COVID-19 on Septic Systems - Sara Heger	Case Study: Using a High Strength Membrane Bioreactor for an Affordable Housing Project with a Stringent Total Nitrogen Effluent Standard - Kevin Sherman	Water Reuse Using Drip and Spray Distribution Systems - Bruce Lesikar	NAWT The Life Stage and Installation Principles of Onsite Wastewater Treatment Systems - Kimberly Seipp
8:30 AM	9:00 AM	Reinvented Toilets: New Technology and Policy for Non-Sewered Sanitation - Edward Ossan				
9:00 AM	10:00 AM	Updates on State Funded Onsite Wastewater Research at Texas A&M University - Anish Jantrania	An Evolving Wastewater Island in Henrico Co., VA - Danna Revis	Challenges of Treating High Strength Wastewater Treatment: Comparing Different Approaches - Martine Seguin <i>(Remote presentation)</i>	Understanding RV and Camper Wastewater Streams - Allison Blodig	NAWT Mid-Life and Operations & Maintenance Principles of Onsite Wastewater Treatment Systems - Kimberly Seipp
10:00 AM	10:30 AM	Break, Veramendi Ballroom E-J Backhoe Roe-D-Hoe Trials, Outside in Parking Lot behind Expo Hall Poster Presentations in Expo Hall				
10:30 AM	11:00 AM	Using Modeling to Assess Septic System Regulations - Sergio Abit	Onsite Wastewater Research Program at the Texas A&M University: Low Pressure Dosing Research - Gabriele Bonaiti	Comparison of Long-Term Performance of Two Disinfection Approaches - Marie-Christine Belanger <i>(Remote presentation)</i>	Challenging Waste Streams - Analysis and Case Studies - Sara Heger	NAWT Mid-Life and Inspection Principles for Onsite Wastewater System - Kimberly Seipp
11:00 AM	11:30 AM	Governance of Onsite Sewage Treatment and Disposal Systems for Nitrogen Management in Florida's Springsheds - Mary Lusk				

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Tuesday Afternoon, October 19, 2021

11:30 AM	1:00 PM	Lunch in Expo Hall, Veramendi Ballroom E-J Backhoe Roe-D-Hoe Finals, Outside in Parking Lot behind Expo Hall Poster Presentations in Expo Hall				
11:30 AM	1:00 PM	Education Committee Meeting, San Marcos River A Technical Practices Committee Meeting, San Marcos River B				
1:00 PM	6:00 PM	Exhibitor Move-Out				
2:00 PM	3:30 PM	NOWRA Corporate Members Meeting, San Marcos River A				
Track Topic		Funding and Business Management	Challenges in Wastewater	Wastewater Treatment and Reuse	TOWA	NAWT
Track Number		11	12	13	14	15
Room		Veramendi CD	Spring Lake C	Spring Lake AB	Veramendi AB	Chautauqua
1:00 PM	2:00 PM	Using State Revolving Fund (SRF) grants for Failing Onsite Remediation in Arkansas and Missouri - David Cassaletto	Development and Application of a Synthetic High Strength Waste Formulation for Evaluating Aerobic Treatment Unit Performance - June Wolfe	WaterHub- On-site Reuse at UT Austin - Bob Salvatelli	Resilient Wastewater Solutions: Building for the Future - Kayla Hanson	NAWT The Full Life and Business Principles of an Onsite Wastewater Treatment System - Tanya Wilson
2:00 PM	2:30 PM	Leverage Free Google Resources To Grow Your Septic Business - Mick Credere	Case Study: Treatment of High Strength Wastewater from a Small Slaughterhouse - Dominic Mercier	Fate of Fecal Coliform Bacteria - Dave Lowe	How Pump Tanks Can be Used to Communicate the Need for Maintenance to the Customer - Bruce Lesikar	NAWT The Principled Approach of a Wastewater Treatment - Kimberly Seipp
2:30 PM	3:00 PM			The Blurred Lines of Onsite and Centralized Wastewater Treatment - Jonathan Kaiser		
3:00 PM	3:30 PM	Break, Outside Veramendi A-D				
3:30 PM	4:30 PM	Don't Kill your Golden Goose- Protect & Perpetuate Your Business - Larry Oxenham	A Lifetime of Water Use - Danna Revis	Large Community On-Site System Optimizes Development in North Carolina - Gary MacConnell	Precast Concrete Tank Inspections & Installation Tips - Kayla Hanson	NAWT The Summary of the Life Cycle and the Principles of Onsite Wastewater Treatment Systems - Kimberly Seipp
5:00 PM	6:30 PM	NOWRA Annual Business Meeting & Reception, San Marcos River Room				
6:30 PM	8:30 PM	SORA Reception (invitation only), Spring Lake C and Veranda				
Regular Mega-Conference Concludes						

2021 MEGA-CONFERENCE AGENDA

Wednesday, October 20, 2021

7:30 AM	9:00 AM	<p>Registration, Registration Desk Light Continental Breakfast, Veramendi AB</p>
9:00 AM	3:00 PM	<p>Field Trip 1 - High Strength Waste Bus transportation departs at 9 AM, Outside of Spring Lake C Boarding at 8:45 AM Lunch Provided on Trip</p>
8:00 AM	3:00 PM	<p>Field Trip 2 - Water Reuse 8:00 AM - Presentation on Wimberly School, Spring Lake BC Bus transportation departs at 9 AM, Outside of Spring Lake C Boarding at 8:45 AM Box Lunch Provided</p>
9:00 AM	5:00 PM	<p>Research Symposium (by invitation), Spring Lake BC</p>

Conference Concludes - See you next year in Springfield, Missouri!
October 30 - November 2, 2022