



2022 CONFERENCE AGENDA



Sunday, October 30, 2022

| Start | Finish | |
|----------|----------|--|
| 12:00 PM | 5:30 PM | Registration Open, Registration Desk, Ballroom Lobby |
| 1:00 PM | 5:00 PM | Exhibitor Move-In, Convention Center |
| 2:30 PM | 5:30 PM | NOWRA Board of Directors Meeting, Arkansas Room |
| 6:00 PM | 11:00 PM | Welcome Reception, Skyline 21 Tower Club |

Monday Morning, October 31, 2022

| | | |
|---|----------|---|
| 7:00 AM | 5:00 PM | Registration Open |
| 7:00 AM | 8:00 AM | Light Continental Breakfast, Ballroom Lobby |
| 7:00 AM | 8:00 AM | Government Relations Committee Meeting, Texas Room |
| 7:30 AM | 9:45 AM | Exhibitor Move-In (cont'd), Convention Center |
| Opening General Session, Oklahoma-Illinois Rooms | | |
| Conference Welcome | | |
| 8:00 AM | 8:20 AM | <i>Tammy Trantham, Executive Director, MSO; Kim Seipp, President, NAWT; Marcia Degen, President, SORA; and Sara Heger, President, NOWRA</i> |
| 8:20 AM | 9:00 AM | Septic Systems - Looking Back and Moving Forward, Tom Fritts & Nicholas Dykes |
| 9:00 AM | 9:45 AM | Lessons Learned from Horizon Scanning Focusing on Research, Bryan Brooks, Ph.D. |
| 9:45 AM | 10:15 AM | Break - Exhibit Hall Opens, Convention Center |
| 10:15 AM | 10:45 AM | US EPA Update - Raffael Stein, Office of Wastewater Management |
| 10:45 AM | 11:15 AM | USDA Update - Kyle Wilkens, State Director Rural Development - Missouri |
| 11:15 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 |
| 9:45 AM | 6:00 PM | Exhibit Hall, Convention Center |
| 12:00 PM | 1:30 PM | Lunch Provided in Exhibit Hall, Convention Center Poster Presentations in Exhibit Hall |
| 12:00 PM | 1:30 PM | State Affiliates Committee Meeting, Texas Room |
| 12:00 PM | 1:30 PM | Emerging Professionals Committee Meeting, Lake of the Ozarks |

2022 MEGA-CONFERENCE AGENDA

Monday Afternoon, October 31, 2022

| Track Topic | | Research | Underserved Communities | Nutrient Removal | Emerging Issues | Funding | Education |
|--------------|----------|--|--|---|---|--|---|
| Track Number | | 1 | 2 | 3 | 4 | 5 | 6 |
| Room | | Oklahoma | Arkansas | Illinois | Colorado A | Colorado B | Kansas |
| Start | Finish | | | | | | |
| 1:30 PM | 1:55 PM | NOW-R2 - Identifying Priority Education, Training and Outreach Needs (J. Holodak) | How-To Guide for Wastewater Management of Rural, Underserved Communities (J. Maxcy-Brown) | Fostering the Use of Nitrogen and Phosphorus Removing Septic Systems in New York (J. Jobin) | Wastewater Surveillance for COVID-19: Here to Stay? (M. Degen) | Decentralized Wastewater Treatment Funding Needs, Challenges, and Solutions (C. Thompson) | Missouri Department of Health Continuing Education Tracking (B. Werdehausen) |
| 2:00 PM | 2:25 PM | NOW-R2 – Identifying Priority Research Questions for Onsite Wastewater Recycling Research (S. Heger) | Wastewater Needs for Rural Underserved Communities--the Alabama Black Belt (K. White) | | Contaminants of Emerging Concern (CEC) Mobilization in Crop Field Application of Septage (E. Boor) | Addressing NPS Pollution from Failing OSSFs Through a Local Financial Assistance Program in Texas (L. Prcin) | |
| 2:30 PM | 2:55 PM | NOW-R2 Identifying Priority Practice Needs on the Horizon for Onsite Wastewater Recycling (J. Stanley) | The Hydraulic Performance and Treatment Capabilities of a Hybrid Sand Filter in the Alabama Black Belt (H. McCaskill IV & R. Chai) | Biological Nitrogen Removal for Passive Treatment Systems Using Saltwater Toilet Flushing (D. Delgado) | Residential Housing Development Rule in Missouri (C. Harwood) | Septic Remediation Pilot Programs in Priority Arkansas Watersheds (S. Smith & M. Keeling) | Education Associated with the On-Site Waste Treatment Industry at the University of Georgia (G. Hawkins) |
| 3:00 PM | 3:45 PM | Break in Exhibit Hall, Convention Center | | | | | |
| | | Poster Presentations in Exhibit Hall | | | | | |
| 3:45 PM | 4:45 PM | NOWRA Corporate Members Meeting, Texas Room | | | | | |
| 3:45 PM | 4:10 PM | Evaluation and Application of Biochar and Iron Material in Septic Systems (C. Chen) | Understanding Socio-technical Barriers to Decentralized Wastewater Management in the Rural Alabama's Black Belt (A. Bakchan) | Nitrogen & Phosphorus Removal Utilizing Microbial Inoculator and Nutrient Removal Devices (D. Nelson & A. Countryman) | Case Studies of Engineered Systems for Site Limitations in On-site Soil Treatment Systems (P. Ganey & K. Clark) | Nassau County, NY's Nitrogen Reducing Septic System Grant Program (J. Jobin) | REEU Program at TAMU: Getting Undergraduate Students Excited About Onsite Wastewater Treatment & Reuse (A. Jantrania) |
| 4:15 PM | 4:40 PM | | | | | | |
| 4:45 PM | 6:00 PM | Reception in Exhibit Hall, Convention Center | | | | | |
| | | Poster Presentations in Exhibit Hall | | | | | |
| 6:30 PM | 10:00 PM | Off-Site Social Event - Preregistration Required Wire Road Brewing Company, Bus Transportation Provided | | | | | |

2022 MEGA-CONFERENCE AGENDA

Tuesday Morning, November 1, 2022

| 7:00 AM | 8:00 AM | Light Continental Breakfast in Exhibit Hall, Convention Center | | | | | |
|--------------|----------|---|---|---|---|---|---|
| 7:00 AM | 1:00 PM | Exhibit Hall Open, Convention Center | | | | | |
| 7:00 AM | 4:30 PM | Registration Open | | | | | |
| Track Topic | | Challenging Site Solutions | Back to the Basics | Regulations | Decentralized Benefits | NAWT | Drip Irrigation |
| Track Number | | 7 | 8 | 9 | 10 | 11 | 12 |
| Room | | <i>Oklahoma</i> | <i>Illinois</i> | <i>Kansas</i> | <i>Colorado A</i> | <i>Arkansas</i> | <i>Colorado B</i> |
| Start | Finish | | | | | | |
| 8:00 AM | 8:25 AM | Overcoming Challenging and Difficult Sites (G. MacConnell) | Top Wastewater Treatment Myths (J. Kaiser) | The Need to Mandate Openings at Surface on Septic Tanks (D. Litchfield) | Distributed Wastewater Treatment Systems - Giving the Septic Industry Another Option (R. Groover) | How to Work with Regulatory Agencies to Promote OWTS Inspections (NAWT Panel) | A Method to Assess the Hydraulic Loading Rate of a Marginal Soil for Drip Distribution (J. Buchanan) |
| 8:30 AM | 8:55 AM | | Forgotten Factors Needed in Wastewater Treatment System Design (A. Blodig) | Is There a Case for Broader Nationwide Onsite Wastewater Regulations? (K. Agyare) | Decentralized Strategies and Solutions for Small Communities (D. Hallahan) | | |
| 9:00 AM | 9:25 AM | Creative Engineering for Onsite Coastal Properties (C. Corwin) | Pump Sizing and Choosing the Right Pump for the Application (M. Rousseau) | Reforming National and State Policies to Reduce Inequity of Safely Managed Sanitation (S. Coleman) | Decentralization in the Context of Resilient Utilities: North Carolina Viable Utility Program (V. D'Amato) | Inspecting Advanced Technologies/Things to Know from the Manufacturer (NAWT Panel) | Improve Performance of Drip Irrigation in OSSF Systems in Texas (G. Bonaiti) |
| 9:30 AM | 9:55 AM | | | | | | |
| 10:00 AM | 10:45 AM | Break in Exhibit Hall, Convention Center Poster Presentations in Exhibit Hall | | | | | |
| 10:45 AM | 11:10 AM | Reduced Disposal Area Performance Utilizing Secondary-Treated Effluent in Profile limiting Soils (D. Meints) | A Close Look Inside Concrete and How To Make The Most Durable Wastewater Treatment Tanks (C. Goguen) | EPA's Decentralized Wastewater Program Update (Z. Lowenstein) | Open | Septic Super Sleuth – Evaluating those “Rarities” found During an OWTS Inspection (J. Rachlin) | Drip Irrigation 101, (N. Dykes) |
| 11:15 AM | 11:40 AM | | | | | | |

2022 MEGA-CONFERENCE AGENDA

Tuesday Afternoon, November 1, 2022

| 11:45 AM | 1:00 PM | Lunch Provided in Exhibit Hall, Convention Center Poster Presentations in Exhibit Hall | | | | | |
|--------------|---------|---|--|--|--|---|---|
| 11:45 AM | 1:00 PM | Joint Education Committee and Technical Practices Committee Meeting, Texas Room | | | | | |
| 1:00 PM | 6:00 PM | Exhibitor Move-Out | | | | | |
| Track Topic | | Management | Back to the Basics | Small Business | Soil Treatment | NAWT | High Strength Wastewater |
| Track Number | | 13 | 14 | 15 | 16 | 17 | 18 |
| Room | | <i>Illinois</i> | <i>Oklahoma</i> | <i>Colorado B</i> | <i>Kansas</i> | <i>Arkansas</i> | <i>Colorado A</i> |
| Start | Finish | | | | | | |
| 1:00 PM | 1:25 PM | Delivering More Efficient and Scalable O&M with Modern Remote Monitoring (C. Lyon) | Electricity for Onsite Wastewater Systems (A. Rice) | Don't Kill Your Golden Goose Protect & Perpetuate Your Business (L. Oxenham) | Low Pressure Pipe System Design and Construction (C. Nothstine) | Hydraulic Load Testing – Why, When and How – What the OWTS Inspector Needs to Know (J. Rachlin) | Characterizing OSSF Wastewater Streams in Texas RV parks (J. Wolfe) |
| 1:30 PM | 1:55 PM | Automation in Onsite Systems: Progress, Future, and Classification System (R. Bair) | | | | | Convenience Store Wastewater (M. Miller) |
| 2:00 PM | 2:25 PM | WiFi Survival Guide for the Septic Installer (S. Steiger) | Setbacks, The Forgotten Inconvenience (B. Murphy) | Working with Industry, Not Against (M. Ahrens) | Achieving Secondary Wastewater Treatment Standards using Zero-Energy Technology (D. Lentz) | Important Points for Inspecting Drip Irrigation Systems (F. Parker) | Domestic Strength, Really? (D. Mercier) |
| 2:30 PM | 2:55 PM | | | | | | |
| 3:00 PM | 3:30 PM | Break, Ballroom Lobby | | | | | |
| 3:30 PM | 3:55 PM | Impact of Cumulative Sludge Release from OWWTS (K. Dierolf) | Design Aspects of Time Dosing and Flow Equalization (K. Sherman) | Open | Strategic Site Evaluation (D. Revis) | Open | Overcoming the Challenges of High Strength Waste in OSTDS - Panel Discussion (R. Groover) |
| 4:00 PM | 4:25 PM | | | | | | |
| 5:00 PM | 6:30 PM | NOWRA Annual Business Meeting & Reception, Arkansas Room | | | | | |
| 6:30 PM | 8:30 PM | SORA Reception (<i>invitation only</i>), Starlight 22 Room | | | | | |
| | | Regular Mega-Conference Concludes | | | | | |

2022 MEGA-CONFERENCE AGENDA

Wednesday, November 2, 2022

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|---------|---------|---|
| 7:00 AM | 9:00 AM | NOWRA RCAP Project Meeting, Board Room |
| 7:00 AM | 8:15 AM | Registration, Ballroom Lobby Light Continental Breakfast |
| 8:30 AM | 5:00 PM | Field Trip 1 - Caves, Drip Irrigation, & Educational Tools Bus transportation departs at 8:30 AM, TBD Boarding at 8:15 AM Box Lunch Provided |
| 8:30 AM | 5:00 PM | Field Trip 2 - Table Rock Lake Area Wastewater Systems Tour Bus transportation departs at 8:30 AM, TBD Boarding at 8:15 AM Box Lunch Provided |

**Conference Concludes - See you next year in Hampton, Virginia!
October 22 - October 25, 2023**