



Conference Agenda

Onsite Strategies for Pollution Control

Sunday, October 22, 2017

Start	Finish	
8:00 AM	2:00 PM	NOWRA Board of Directors Meeting, Delaware
12:00 PM	5:30 PM	Registration Open, Rollins Center Ballroom Foyer
1:00 PM	6:00 PM	Exhibitor Move-In, Ballroom B-C
2:30 PM	4:00 PM	NOWRA Technical Practices Committee, Silverlake
4:00 PM	6:00 PM	NOWRA State Affiliates Meeting, Silverlake
6:00 PM	7:30 PM	Welcome Reception, Rollins Center Ballroom Foyer

Monday, October 23, 2017

Start	Finish	
7:00 AM	5:00 PM	Registration Open, Morning Refreshments Served Rollins Center Ballroom Foyer
7:30 AM	11:00 AM	Exhibitor Move-In (cont'd), Ballroom B-C
		Opening General Session, Ballroom A
8:00 AM	8:20 AM	Conference Welcome, Jim Bell, NOWRA; Tom Ferrero, NAWT; Brian Carbaugh, DOWRA; Eddie Harrison, MOWPA; Adam Browning, POWRA
8:20 AM	9:00 AM	The State of Delaware's Inland Bays, Chris Bason, Exec. Director, Delaware Center for the Inland Bays
9:00 AM	9:40 AM	Development and Application of a Nutrient Attenuation Assessment Methodology for Chesapeake Bay Watershed, Vic D'Amato
9:40 AM	10:00 AM	Break, Rollins Center Ballroom Foyer
10:00 AM	10:40 AM	Update on EPA and the Decentralized Wastewater Program, Andrew Sawyers, Director, Office of Wastewater
10:40 AM	11:20 AM	Role of Onsite Systems in Local Nutrient Control Pollution Strategies, Shawn Garvin, Secretary, DNREC
11:20 AM	11:50 AM	Update on NOWRA's Advocacy Efforts, The Hon. Alan Wheat, Polsinelli, LLC
11:50 AM	7:00 PM	Expo Hall Opens - Ballroom B-C
11:50 AM	1:20 PM	Lunch Provided in Expo Hall, NOWRA National Backhoe Roe-D-Hoe® Open, Ballroom B-C
1:30PM	4:00 PM	SORA Business Meeting - Kent



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Monday, October 23, 2017 -- Concurrent Sessions

Track Topic		Management	Technical - Septic Tanks	Local Track - DOWRA	State Advocacy Workshop	Technical - Piping and Pumps (SSPMA Track)
Track Number		I	II	III	IV	V
Room		Chesapeake	Silverlake	Ballroom A	Delaware	Diamond
Start	Finish					
1:20 PM	2:10 PM	Case Study: How Does Use in the Home Impact the Need for Septic Tank Pumping, Sara Heger	Septic Tank Venting - New Strategies to Reduce H ₂ S, Claude Goguen	Delaware Licensing Program - Overview	Lobbying Your Legislature Panel Discussion - Getting Started, Developing a Strategy, and Taking Action. Plus a Grassroots Lobbying Software Demo	IPS Weld-On 724 Solvent Cement for Joining PVC or CPVC Chemical Piping, Stephen Gardiner
2:10 PM	3:00 PM	Whole System Monitoring, Eric Larson	Septic Tank Technology Advancements and Installation Best Practices, Larry Earney	Delaware Licensing Program - Roundtable		Practical Sizing Guidelines for Sump, Sewage and Grinder Pumps, Darren Meyers
3:00 PM	3:20 PM	Break, NOWRA National Backhoe Roe-D-Hoe® Open, Ballroom B-C				
3:20 PM	3:45 PM	Managing a Small Community System - A Case Study from Virginia, Anish Jantrania	Biodegradability Analysis of Toilet Paper and Flushed Paper Products under Aerobic Digestion, Sara Heger	Over the Road Vehicles and Safety, Keith Lamey	Funding Onsite Projects in Your State -- Federal Funding Sources You May Not Know About, Other Funding Options, How State SRFs Work and How You Can Successfully Work With Them, How USDA Funding Works and How You Can Work with Local USDA Offices	Understanding Pumps and Common Pumping Issues, Jeff Hawks
3:45 PM	4:10 PM		Degradation of Food Waste vs. Sewage in Septic Tanks, Hongjian Lin			
4:10 PM	5:00 PM	Developing & Implementing a Management System for Higher Level Treatment Systems, Craig Sanders	Improving Septic Tank Performance By Enhancing Anaerobic Digestion, Christopher Jowett	The Bay Restoration Fund and Best Available Technology Program, Naomi Howell		Basic Electrical Theory and Troubleshooting as It Relates to Floats and Onsite Septic Controls, Mark McCollum
5:00 PM	5:30 PM	DOWRA Annual Meeting - Kent				
5:00 PM	7:00 PM	Exhibitor Appreciation Reception, NOWRA National Backhoe Roe-D-Hoe® Open, Ballroom B-C				
7:00 PM	9:00 PM	Off Site Reception at Painted Stave Distillery (Optional Ticketed Event), Board bus at doors near Ballroom A				



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Tuesday October 24, 2017

Start	Finish					
7:30 AM	1:30 PM	Expo Hall Open, Ballroom B-C				
7:30 AM	8:20 PM	Continental Breakfast Provided, NOWRA National Backhoe Roe-D-Hoe® Competition, Ballroom B-C				
8:00 AM	11:30 AM	Registration Open, Rollins Center Ballroom Foyer				
Track Topic		Technical - General	Policy	Local Track MOWPA	NAWT	Technical - Nitrogen
Track Number		VI	VII	VIII	IX	X
Room		<i>Chesapeake</i>	<i>Diamond</i>	<i>Delaware</i>	<i>Ballroom A</i>	<i>Silverlake</i>
Start	Finish					
8:20 AM	8:45 AM	Fate of Fecal Bacteria in Sand Media Using OSCAR Technology, Dave Lowe	Update on Onsite Sewage Nitrogen Reduction in Florida, Eberhard Roeder	Impacts of Whole-house Reverse Osmosis Systems on Septic Systems, Kevin Koepenick	Vacuum Truck Training --Morning Session topics: Introduction and goals, definitions, materials hauling, field safety, understanding vacuum and pressure	Nitrogen Removal Using Saturated Upflow Woody Fiber Media, Larry Stephens
8:45 AM	9:10 AM	Importance of Wastewater Characterization: Food and Beverage Industries, Sushama Pradhan				
9:10 AM	10:00 AM	Reuse Quality Effluent from Restaurant Wastewater, James Bell and Chris Duhamel	New Maryland Law HB 1045 MBR is Shaping the Future of Large System Subsurface Disposal, Amy M. Parrish	History of On-Site Wastewater Treatment Systems at the Pearlstone Conference and Retreat Center, Andrew Hood		Frosting on the Cake - Passive Nitrogen Removal, Dennis Hallahan
10:00 AM	10:30 AM	Break in Ballroom B-C, NOWRA National Backhoe Roe-D-Hoe® Competition				
10:30 AM	10:55 AM	Drain Field Restoration, Mark Reynolds	Cost Analysis of Public Wastewater vs Onsite Wastewater, Danna Revis	Outside the Box Solutions: Case Studies of Unique On-Site Wastewater Systems in the Chesapeake Bay Watershed, Mark Mazzochette	Vacuum Truck Training	Reducing Nitrogen Loadings in the Chesapeake Bay Using an Economical, Low-Impact Sewer Solution: A Case Study in South Kent Island, MD, Julie Barown and Todd Mohn
10:55 AM	11:20 AM			The Value of Nitrogen Reduction for Onsite Sewage Disposal Systems and Drinking Water Wells, Naomi Howell		
11:20 AM	11:45 AM	A Tale of Two States: Differential Venting, Kevin Sherman	EPA's Decentralized Program, Heidi Faller & Zach Lowenstein	Control Panels: Using Proper Installation and Data Analysis to Optimize System Performance, Reed Johnson		The Role of Decentralized Wastewater Systems in the Revival of the Chesapeake Bay, Claude Goguen
11:45 AM	12:10PM					



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12:10PM	1:40 PM	Lunch in Expo, NOWRA National Backhoe Roe-D-Hoe® Competition FINALS! Ballroom B-C				
12:30PM	1:15 PM	MOWPA Annual Meeting - Sussex				
12:30PM	1:30 PM	NOWRA Education Committee and Online Training Taskforce Meeting - Kent				
1:30PM	3:30PM	NOWRA BBP Partners and Lobbying Board of Governors (joint meeting) - Kent				
1:40 PM	6:00 PM	Exhibitor Move-Out				
Track Topic		Technical - General	Policy	Local Track - POWRA	NAWT	Technical - Nitrogen
Track Number		VI	VII	VIII	IX	X
Room		Chesapeake	Diamond	Delaware	Ballroom A	Silverlake
Start	Finish					
1:40 PM	2:05 PM	Creating New Methods and Strategies for Dealing with Septic & Bio-solids Management in Developing Countries, JR Inman	Green Building with Onsite Wastewater Treatment Systems, Jonathan Kaiser	Human Manipulated and Human Transported Soils and their Significance in Wastewater & Stormwater Recycling, Russell Losco	Vacuum Truck Training--Afternoon sessions include: tools for the job, accessing tanks, effluent screens and maintenance, handling hoses, off-loading material, educating homeowners, and pre-trip inspection and spill plan	Cluster & Individual Systems Achieving Effluent Total Nitrogen 3+/- mg/L and Total Phosphorus < 0.10 mg/L, Pio Lombardo
2:05 PM	2:30 PM					Groundwater Treatment using PRBs to Achieve Site Net 100+% Nitrogen Removal and Watershed TMDL Compliance, Pio Lombardo
2:30 PM	3:20 PM	Four Years of Field Experience Piloting the Anaerobic Digestion Pasteurization Latrine, Marc Deshusses	The Importance of Enforcing Regulatory Requirements: "Enforcement" Is Not a Dirty Word, Joseph Soulia	Permit Driven High Intensity Soil Survey Mapping for Planning Sewage and Stormwater Facilities, Laurel F. Mueller		Development of a Nitrogen Sensor for On-Site Systems, Christopher Clapp
3:20 PM	3:40 PM	Break, Rollins Center Ballroom Foyer				
3:40 PM	4:30 PM	Onsite Wastewater Mapping Applications, Ken Curry and David Nichol	Getting Undergraduate Students Excited about Onsite Wastewater Treatment and Reuse, Anish Jantrania	Sustainable Development and Domestic Wastewater Systems: A Comparative Life Cycle Assessment, Marie-Christine Bélanger	Vacuum Truck Training	Agricultural Mineral Soil Additives for Passive Nitrate Removal & Phosphorus Removal Using Low Energy Electrochemistry, Christopher Jowett
5:00 PM	6:00 PM	NOWRA Annual Business Meeting & Reception, Kent				
6:30 PM	8:30 PM	SORA Reception (invitation only), Fire & Ice Lounge				
Wednesday October 25, 2017						
8:00 AM	5:00 PM	Field Trip 1 - Small Onsite Systems Tour Board bus at doors near Ballroom A				
8:00 AM	5:00 PM	Field Trip 2 - Large Onsite Systems Tour Board bus at doors near Ballroom A				
7:30 AM	7:00 PM	Field Trip 3 - Washington, DC Lobbying Trip Board bus at doors near Ballroom A				
Conference Concludes						