



# NOWRA's 18th Annual Technical & Education Conference Overview

## Milwaukee, Wisconsin • April 6 - 9, 2009

Hilton Hotel/ Midwest Airlines Convention Center

### Sunday, April 5 | All sessions at the Hilton Hotel

9:00 AM - 5:00 PM	NOWRA Board Meeting - Oak Room
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### Monday, April 6 | All sessions at the Hilton Hotel

7:30 - 10:30 AM	Registration Open and Continental Breakfast Available for Symposium & Tour Participants - Wright Foyer	
12:00 - 6:00 PM	Registration and Set-Up for Exhibitors - Convention Center, Exhibit Hall D	
10:00 AM - 12:00 PM	NOWRA Finance Committee Meeting - Walker Room	
12:00 - 2:00 PM	NOWRA Marketing Committee Meeting - Walker Room	
2:00 - 4:00 PM	NOWRA Technical Practices Committee Meeting - Walker Room	
4:30 - 6:00 PM	NOWRA Education Committee Meeting - Walker Room	
5:30 - 8:30 PM	State Affiliate Meeting - Mitchell Room	
<b>8:30 AM - 5:00 PM</b>	<b>Pharmaceutical and Personal Care Products (PPCP) Symposium Agenda - Wright Ballroom in Hilton Hotel</b>	<b>Field Trip</b>
9:00 - 9:15 AM	Welcome and Introductory Remarks Mark Hooks R.S., C.P.M., NOWRA Government Relations Committee Chair	Participants meet at the registration desk at 7:45am
9:15 - 10:15 AM	The Pharmaceutical and Personal Care Products (PPCP) Issue: A Personal Prospective Al Alwan, USEPA Region V	<b>8:00 AM - 5:00 PM</b>
10:15 - 10:30 AM	Break with Refreshments Provided	Tour of Five Decentralized Systems in Milwaukee Area, Jim Converse & Jerry Tyler
10:30 - 11:30 AM	Pharmaceuticals and Personal Care Products in the Environment: Questions Answered and Asked After a Decade of Research Herbert T. Buxton Ph.D., Toxics Substances Hydrology Program Coordinator, U.S. Geological Survey	1. 100-home subdivision with septic tanks and pump chambers at each home going to ATU units followed by 6 mounds
11:30 AM - 1:00 PM	Lunch (on your own)	2. A commercial development with a mound receiving ATU effluent
1:00 - 2:00 PM	A Synopsis of the Health Risks Associated with the Levels of Pharmaceuticals and Personal Care Products Found in the Environment Mark Hooks R.S., C.P.M., NOWRA Government Relations Committee Chair	3. A high school with a constructed wetland and mound system
2:00 - 2:15 PM	Break with Refreshments Provided	4. Cabalal with ATU and drip distribution system
2:15 - 3:30 PM	Endocrine-Disrupting Compounds and Other Trace Organic Contaminants in Onsite Wastewater Systems Robert L. Siegrist, Ph.D. and Kathleen E. Conn, Colorado School of Mines	5. Renovation of system in a condominium complex
3:30 - 5:00 PM	Panel Discussion: Questions from the Audience and a Solicitation of Ideas on How NOWRA Can Have a Positive Influence Regarding Pharmaceuticals and Personal Care Products	



# Wednesday, April 8 | All sessions at the Convention Center

7:00 - 9:00 AM	Registration Available and Continental Breakfast Available in Exhibition Hall – Convention Center, Exhibit Hall D		
9:00 AM - 3:30 PM	Local Professional Open House - EXPO Hall Pass or Special Invitation only – Convention Center, Exhibit Hall D		
<b>8:00 – 10:00 AM</b>	<b>General Session 2, Onsite: The Sustainable Wastewater Opportunity — Rooms 202 ABC</b>		
8:00 - 8:45 AM	Pharmaceuticals and Personal Care Product Concerns in the Onsite World Mark Hooks, <i>NOWRA Government Relations Committee Chair</i>		
8:45 - 9:30 AM	The Business of NOWRA Thomas Groves, <i>NOWRA President</i>		
9:30 - 10:00 AM	US EPA Memorandum of Understanding (MOU) Partners with Water Quality and Decentralized Wastewater Interests: Past Accomplishments, Future Opportunities Joyce Hudson, <i>USEPA Office of Wastewater Management</i>		
10:00 - 10:30 AM	Break with Refreshments Provided		
10:00 - 12:00 PM	General Meeting of the Consortium of Institutes for Decentralized Wastewater Treatment (CIDWT) - Pabst Room - Hilton Hotel		
10:30 - 12:00 PM			
<b>Breakout Sessions</b>	<b>NOWRA Decentralized Systems Overview: A to Z — RM 201 A</b>	<b>Nitrogen: Treatment, Research and Policy — RM 201 B</b>	<b>Innovative Products — RM 201 C</b>
10:30 - 11:15 AM	Water Movement in Soil & Application of Soil Surveys David Lindbo	An Analytical Model for Prediction of Groundwater Plumes Originating from Onsite Wastewater Systems John McCray	From Theory to Reality: After 8 years of Ecoflo Peat Replacement – Characterization Results and Challenge of Finding New End Uses Marie-Christine Belanger
11:15 AM - 12:00 PM		Analyzing Wastewater - N and P Concentrations in Soil Treatment Units Using Multivariate Statistics Assaf Wunsch	SuperCharged Fixed Film is SMART Treatment Choice for High Organic Loads Kenneth Neu
12:00 - 1:00 PM	Lunch Available for Purchase in Exhibition Hall – Convention Center, Exhibit Hall D		
<b>Afternoon Sessions</b>	<b>RM 201 A</b>	<b>RM 201 B</b>	<b>RM 201 C</b>
1:00 - 1:45 PM	Septic Tank Overview: Function, Design, Construction, Inspection and Troubleshooting John Buchanan	Watershed Nitrogen TMDL Management with Decentralized Innovative Solutions Pio Lombardo	Innovative Repair of a Failed Onsite System Treating High Strength Wastewater at a Chinese Restaurant Mark Cottrell
1:45 - 2:30 PM		Recirculating Gravel Filter Modifications for Nitrogen Reduction Rick Apfel	"I Didn't Know My Dealer Could Do That!": The Equipment Provider's Role in Quality Control of Decentralized Wastewater Systems David Cotton
2:30 - 3:30 PM	Exhibition Hall Open with Refreshments Provided (Hall closes at 3:30)		
3:30 - 4:15 PM	Aerobic Treatment Unit and Media Filter Overview Jim Converse	Onsite Wastewater Systems Management Tools for the New Jersey Pinelands Bruce Douglas	Recent Trends in Decentralized Wastewater Management Valerie Nelson
4:15 - 5:00 PM		Nitrate Removal Results with Biological Anoxic Filtration Craig Jowett	Subsurface Sewage Treatment Practitioner Experience Program Evaluation Nick Haig
			Continuing to Advance the Onsite Industry in Nebraska Jan Hygnstrom
			Development of Certification-specific Training for Onsite Professionals Nancy Deal
			Connecting The Messages - Safe Disposal and Public Education Task Force on PPCPs Dendra Best
<b>6:30 - 9:30 PM Reception at Milwaukee Public Museum - Entry and Refreshments Provided</b>			

