



NOWRA is your natural resource for education, networking and industry professionalism.

A special thanks to our local host, the Wisconsin Onsite Water Recycling Association (WOWRA).

In 2005, Mayor Barrett brought together a group of over 80 Milwaukeeans to map the future course of Milwaukee's efforts to be "green," and make the region a national leader in the emerging green economy. Shown above the Mitchell Park Domes, the Midwest Airlines Center rotunda, and the Milwaukee Art Museum at right.



NOWRA will host a pre-conference workshop on April 6th focusing on Pharmaceuticals and Personal Care Products in Wastewater, Surface Water, and Groundwater.

A full day's line up of speakers will present the latest research on this important issue. Speakers will cover what chemicals are being found, how effective decentralized systems are at removing them and what is known about the human and aquatic impacts from them.

At the end of the session there will be a speakers roundtable to answer questions from the audience and to recommend actions that NOWRA and others can take to address the issue.

The National Onsite Wastewater Recycling Association (NOWRA) presents our 18th Annual Technical Education Conference and Expo in Milwaukee, Wisconsin on April 6-9, 2009.

The NOWRA annual conference serves as the premier conference for the conveyance of new research, regulations and policy, experience and practices in the decentralized wastewater industry.

Onsite: The Sustainable Wastewater Opportunity

Onsite /decentralized wastewater treatment has always been a "green" solution for water recycling. NOWRA is proud to promote onsite systems as a cost-effective, environmentally safe and long-term alternative for wastewater treatment services.

Valuable Educational Sessions

- The "Greening" of Onsite Wastewater Treatment
- Watershed Management Strategies and Applications
- Wastewater Reuse Case Study
- Recent Trends in Decentralized Wastewater Management
- Small Community Wastewater Treatment
- Nitrogen Treatment, Research and Policy
- Innovative Products, Technologies, and Solutions
- Onsite System Performance, Reliability & Sustainability
- NOWRA's premier program, "The Basics of Onsite Systems -A to Z"
- Midwest Regional Code Forum
- Weathering the Economic Storm: Business Survival



Get out of the “office” and into the green.
Hear new perspectives. Learn new skills.
Meet new people and return to work with
a vision for onsite sustainability.



NOWRA is excited to be in one of the leading U.S. cities in the green movement. Milwaukee creates opportunities in the green sector for economic growth, investing in both infrastructure solutions and a broad environmental sustainability initiative, called *Green Milwaukee*. Milwaukee has gone from "Brew City" to "New City" and in so doing has won over visitors from throughout the world. It's no wonder that publications such as the *Los Angeles Times* and the *New York Times* have recently taken notice with rave reviews. From the magnificent Santiago Calatrava-designed expansion of the Milwaukee Art Museum on the Lake Michigan waterfront to the newly opened Harley-Davidson Museum to its impeccable array of neighborhoods, arts and cultural amenities, Milwaukee has become a premier destination for visitors.

NOWRA Pharmaceutical Personal Care Products Symposium | Monday, April 6

Experts in the field will address the issue of emerging contaminants impacting the environment and advance your understanding of the contaminants in onsite wastewater treatment systems.

- Review what has been learned about PPCPs and other chemicals of concern after a decade of increasing scientific research and what questions remain unanswered.
- Find out what is known and unknown about the health effects of emerging contaminants.
- Hear practical strategies, recommended actions and policy solutions to mitigate the environmental impact of pharmaceuticals and personal care products in wastewater, surface water and groundwater.

This pre-conference symposium requires separate registration. The nominal cost for the symposium is \$125.

Tour of Four Decentralized Systems in Milwaukee Area | Monday, April 6

During this rich, full day learning opportunity, discover how some onsite wastewater professionals have answered client needs, solved design and regulatory problems, worked around soil and site issues and still met wastewater treatment goals. The tour highlights four onsite wastewater treatment sites. On the way to the first site, hear Roman Kaminski from the Wisconsin Department of Commerce talk about Wisconsin regulations. Also listen to Jerry Tyler, UW Emeritus Professor of Soil Science, discuss soil and environmental issues. James Converse, UW Emeritus Professor, Biological Systems Engineering will talk about history of the Wisconsin Mound and other pertinent topics. Follow the discussions and make notes about the sites in a guide book provided to you.

The first stop demonstrates a community's desire to go green and provide a hands-on learning center for a 1000 student high school. Wetlands are used with differing plant communities and the wetland aeration is provided by an interesting renewable energy source.

Next stop – Cabela's retail store and deli. The wastewater system design for a large Cabela's store is dynamic and may change as more is learned about the quality of the wastewater generated. Tour the onsite system where domestic wastewater and the wastewater generated by a deli are currently segregated. The tour group will take time for lunch at the deli and shopping at the "World's Foremost Outfitter."

The tour continues on to a 100 home subdivision with septic tanks and pump chambers at each home going to ATU units followed by 6 mounds. **The final stop** is a Business Center with a number of different businesses including restaurants. See how the wastewater from the separate sources is treated prior to mixing. We look forward to having you on the tour. Sign up early to assure you will have a seat. Bus time between sites is very short. Early April can be cool, maybe cold, and it will be wet. Be sure to bring warm clothing and appropriate footwear. **The nominal cost for the tour including lunch at Cabela's Deli is \$95.**



Milwaukee Wastewater Treatment Plant Tour | Tuesday, April 7

Jones Island Water Reclamation Facility of the Milwaukee Metropolitan Sewerage District is a 330 mgd facility that - along with South Shore Water Reclamation Facility (300 mgd) - processes wastewater from 28 communities in southeastern Wisconsin. A variety of beneficial reuse processes occur at the two plants, ranging from sludge digestion to produce methane that fires the turbines, to production of Milorganite, a high-quality fertilizer marketed around the country. Veolia Water provides operations and maintenance services to MMSD for the two facilities and conveyance system. This is the largest public-private wastewater treatment partnership in the U.S., and one of the few deep tunnel storage systems in the world. For safety purposes everyone touring the Jones Island Water Reclamation Facility should wear closed-toe shoes and dress appropriately for the weather, as much of the tour is outside.

The nominal cost for the tour is \$49.

Reception at Milwaukee Public Museum | Wednesday, April 8

One of the country's premier natural history museums, renowned for its exhibits, collections and research, the Milwaukee Public Museum is the backdrop for mingling with colleagues and friends as NOWRA hosts Wednesday night's reception. Attendees will have full access to the first floor exhibits, including the Streets of Old Milwaukee, The Third Planet, Jack Puelichers Butterfly Garden and the Rain Forest. These exciting exhibits and more will be yours to explore as you enjoy refreshments. From its modest beginnings in 1882, the Milwaukee Public Museum now houses more than 6 million specimens. **Be our guest—entry and refreshments provided with full conference registration. Experience a world of difference at the Milwaukee Public Museum!**

Midwest Regional Code Forum | Thursday, April 9

A number of states in the Upper Midwest are revising or have recently revised their onsite wastewater treatment system rules. Despite having many of the same site and soil conditions, similar climates, and the same goals to protect human health and water quality, the disparity of program rules between the states is greater than seems justified based on science. The impacts that the disparity in rules and practices have on our industry are significant. Manufacturers, designers, and installers are confounded by the differences between permitted practices that often occur merely by crossing a political boundary. New but proven technologies and practices may be approved in one but denied in another. Design parameters may differ even though conditions and applications are identical. Approvals of new products and new models slow adoption of new equipment and technologies. Certification and licensing requirements mean multiple training events and exams. The results are confusion, disgruntlement, and disillusionment among all involved often including the regulators themselves. Is it necessary? Can we justify it? **This roundtable of invited federal, state, and local officials will address many of these issues in an open discussion.**

Topics will include:

- What triggers rule revisions and how is technical input utilized?
- How our rules can impact regulators, manufacturers, suppliers, designers, installers, and owners.
- What is the status and acceptance of NOWRA's Model Code Framework?
- What is holding our industry back from adopting performance-based rules?
- What are the barriers to collaborating on technical requirements, licensing programs, and product approvals between states and how could these barriers be overcome? Would overcoming them help or hurt?
- What can NOWRA do?

The goal of this roundtable is to consider the question of whether regional rules would be possible and practical through small group discussions. Pros and cons of the issue will be sought and how identified barriers could be overcome to allow regional technical requirements to be acceptable. The roundtable outcome is expected to result in a preliminary roadmap marking a way to better and more consistent rulemaking. **Included with full conference registration.**

Weathering the Economic Storm: Business Survival | Thursday, April 9

Manufacturers, designers, and installers are experiencing dramatic cutbacks in work. Relying so much on new home construction, the burst in the bubble has left many in the onsite industry looking for new opportunities to help their businesses survive. This session aims to help NOWRA members survive the economic downturn. A panel of manufacturers, installers, O&M providers and policy advocates discuss strategies and lessons learned on funding streams, new markets, state policies and business practices. **Walk away from this session with lessons and strategies that will keep your business afloat in the current economic storm. You don't want to miss this critical and timely information! Included with full conference registration.**



April 7 & 8 - General Sessions 1 & 2

Onsite: The Sustainable Wastewater Opportunity

WASTEWATER TREATMENT SUCCESSES AND CHALLENGES IN MILWAUKEE *Mayor Tom Barrett (Invited) and Kevin Shafer, MMSD*

Protecting Lake Michigan and the rest of the Great Lakes is vital to the long-term sustainability of the Milwaukee region. In order to protect the Great Lakes, it is imperative that we manage the sources of water pollution including air deposition, sewage, and storm water runoff. But changing perceptions, regulatory climates, and technology require that any approach that is adopted should be flexible and should be adaptable. The Milwaukee Metropolitan Sewerage District's (MMSD) experience highlights this adaptive approach to cleaning our water.

THE ROLE OF DISTRIBUTED APPROACHES IN SUSTAINABLE WATER RESOURCE MANAGEMENT *Victor D'Amato, TetraTech*

A conceptual framework for considering integrated resource management will be presented, along with recommendations for advancing state policy and sustainable design practices among professionals. The primary author is the Principal Investigator for a Water Environment Research Foundation (WERF) project entitled, "When to Consider Distributed Systems in an Urban and Suburban Context." The objectives of this WERF project are to identify and analyze appropriate examples of distributed water management systems, define their key attributes, and develop decision support instruments that help decision-makers and stakeholders better determine whether or not distributed systems would be a viable solution in their community.

RESOURCES FROM WASTE - CREATING RESILIENT CITIES IN UNCERTAIN TIMES *Patrick Lucey, Aqua-Tex Scientific Consulting Ltd.*

The model of Integrated Resource Management (IRM) requires decentralized wastewater treatment and energy recovery designed around a business case. This presentation examines the economic argument for changing the design of our cities, dramatically reducing GHG emissions and restoring our urban ecology, all by changing the way we view water, manage waste and generate revenues.

US EPA MEMORANDUM OF UNDERSTANDING (MOU) PARTNERS WITH WATER QUALITY AND DECENTRALIZED WASTEWATER INTERESTS: PAST ACCOMPLISHMENTS, FUTURE OPPORTUNITIES *Joyce Hudson, USEPA*

THE BUSINESS OF NOWRA *Thomas Groves, NOWRA President*

In accordance with Article III, Section 7 of the NOWRA Bylaws, all NOWRA members are formally notified through this communication, of the Annual Membership Meeting, scheduled to occur on Wednesday, April 8, 2009 at 8:45am. The NOWRA 2009 Annual Membership Business Meeting will be held in Meeting Room 202, Midwest Airline Center, 400 W. Wisconsin Avenue Milwaukee, WI, 53203. All members are urged to attend and participate in this meeting. This notice was placed on the NOWRA website (www.nowra.org), information will be updated as it becomes available. For additional information, please contact NOWRA Headquarters at 1 (800) 966-2942.

A Sampling of Educational Sessions

Visit www.nowra.org to view the full agenda and line up of dynamic and experienced speakers.

RECENT TRENDS IN DECENTRALIZED WASTEWATER MANAGEMENT

Valerie Nelson, Ph.D., Coalition for Alternative Wastewater Treatment

In 2000, a "Market Study" on decentralized wastewater management was issued by Valerie Nelson, Stephen Dix, and Frank Shephard. The study concluded that the most likely future of the advanced onsite system and management approach was in concentrated use in areas of the country where drinking water or natural resources are threatened, such as in sole source aquifer areas, around lakes, and near coastal estuaries and shellfish beds. This paper will report on follow-up research in 2007, in particular an analysis of how well the earlier study predicted the short-term opportunities for expanded use of advanced onsite and cluster system technologies and management; which recommendations for policy and other initiatives were followed; and whether or not the driving forces in the market that were identified in the earlier study appear to have been the significant drivers.

REUSE AS A TOOL IN TOTAL WATER MANAGEMENT *Robert Rubin, Ph.D., Biological and Agricultural Engineering Department at North Carolina State University and McKim and Ree, a consulting engineering firm in Raleigh, NC*

Water is Water. Water varies in quality from source to source, but water is water. Unquestionably water containing domestic, agricultural and industrial waste is harmful to public health and the environment, but when can water be reused with minimal risk? Federal and state agencies have described both water quality parameters and process requirements to necessary to define reclaimed water. The purposes of the paper proposed are to 1.) describe general water quality and process requirements associated with reuse efforts; and 2.) describe reuse effort as decentralized component of local infrastructure.

A Sampling of Educational Sessions



THE TRUE COST OF SUSTAINABLE ONSITE TREATMENT SYSTEMS

Colin Bishop, R.S., Bord na Mona Environmental Products U.S. Inc.

Over the last twenty years, a proliferation of new onsite treatment technologies has taken place. At the same time, many states have updated their regulations with more stringent requirements for on-lot systems. Because of these factors and a building boom, the onsite treatment system market has seen tremendous growth. The focus on treatment system selection has become centered on the upfront cost or "price" of the system. This presentation focuses on different costs that need to be analyzed when selecting a system including: up-front cost, operational cost, environmental cost and public health cost. All of these costs must be analyzed for the future sustainability of onsite systems.

EFFECTIVENESS OF DOMESTIC WASTEWATER TREATMENT TECHNOLOGIES IN THE CONTEXT OF THE NEW CONSTRAINTS IMPOSED BY LIFESTYLE CHANGES IN NORTH AMERICAN FAMILIES

Roger Lacasse, PremierTech Environment inc.

Over the past two decades, family lifestyles have undergone major changes. Such lifestyle changes all have an impact on the flow of wastewater from individual dwellings. Nowadays, intermittent (stop/start) and peak flows can be observed not only in secondary or seasonal dwellings, but increasingly in main residences. This paper will present a review of the various existing standards, the performance observed in real-life situations, the evolution observed in the last two years in Europe (Veolia protocol) and Canada (new BNQ Canadian Standard), and the changes needed to protocols so that certified technologies can ensure protection of the environment and water resources under conditions imposed by current lifestyles.

IMPLEMENTING A PERFORMANCE BASED CODE

Bruce Lesikar, Ph.D., Texas AgriLife Extension Service

Performance based codes are the only effective method to regulated commercial facilities. Commercial facilities have wastewater with extremely variable characteristics. The designer, regulator and maintenance provider have a limited ability to select, size, operate and maintain a functional onsite wastewater treatment system unless the user is interested in having an effective treatment system. An effective approach to implementing a performance based regulatory system will be discussed. The responsibilities of the various parties will be described with respect to implementing a performance based system. The current frustration within the prescriptive based regulatory process is the lack of responsibility by the user for their wastewater characteristics. An approach to establishing the responsibility of the user will be presented.

REUSING TRUCK STOP SEWAGE FOR TOILETS AND TRUCK WASHING

Craig Jowett, Ph.D., P. Eng., Waterloo Biofilter Systems

These case studies are for two truck stops where sewage is reused for toilets or truck washing and irrigation. Because of busy restaurants, particular attention was made to maintenance of grease traps or the use of a 'dead end' holding tank for kitchen waste. The proposal was to reuse it as much as possible for truck washing and irrigation, and minimize disposal into the property's stormwater pond.

NO NET DISCHARGE WASTEWATER COLLECTION, TREATMENT AND DISPERSAL SYSTEM – LARGE COMMERCIAL / RETAIL DEVELOPMENT, MALIBU, CA

Pio Lombardo, P.E., Lombardo Associates, Inc.

A project that demonstrates that decentralized distributed wastewater systems can be as effective as centralized facilities in achieving the accepted limit of technology for nitrogen removal, treats for emerging contaminants, and can achieve standards for unrestricted water reuse, with no net discharge will be described. The large commercial / retail development consists of (11) commercial buildings comprising 132,000 square feet of mixed retail and offices, and two (2) 175 seat restaurants on a 15.17 acre site.

"I DIDN'T KNOW MY DEALER COULD DO THAT!": THE EQUIPMENT PROVIDER'S ROLE IN QUALITY CONTROL OF DECENTRALIZED WASTEWATER SYSTEMS

David Cotton, P.E., Wastewater Technologies, Inc

Communities that invest in decentralized wastewater systems, and designers who design them, often underestimate what a wastewater equipment dealer can do. WTI, an equipment dealer in upstate New York, presents two case studies that show the value-engineering and troubleshooting services that a dealer can provide. Without poaching on the prerogatives of the designer, a knowledgeable equipment provider can help ensure that the system is correctly and economically designed, installed, and started up.



Make your Hotel Reservation at the Hilton City Center, Milwaukee

Online at www.nowra.org or call 1-800-HILTONS (1-800-445-8667)

NOWRA Conference Room Rate \$123.

Cut off Date for Conference Room Rate is March 8, 2009.

Milwaukee Hilton City Center, 509 W. Wisconsin Avenue,
Milwaukee, Wisconsin 53203 • 1-414-271-7250

Ground Transportation: Discount shuttle service between the Milwaukee Mitchell (MKE) airport and the Milwaukee Hilton is provided by GO Airport Connection at the rate of \$12 one-way.



SUNDAY, APRIL 5

9:00 AM - 4:00 PM NOWRA Board Meeting

MONDAY, APRIL 6

7:30 AM - 6:00 PM Registration Open and Continental Breakfast
 8:30 AM - 5:00 PM **I. Pharmaceutical and Personal Care Products (PPCP) Symposium Agenda**
II. Field Trip - Tour of Four Decentralized Systems in Milwaukee Area
 10:00 AM - 12:00 PM NOWRA Finance Committee Meeting
 12:00 - 6:00 PM Registration and Set-Up for Exhibitors
 12:00 - 2:00 PM NOWRA Marketing/Committee Meeting
 2:00 - 4:00 PM NOWRA Technical Practices Committee Meeting
 4:30 - 6:00 PM NOWRA Education Committee Meeting
 5:30 - 8:30 PM State Affiliate Meeting

TUESDAY, APRIL 7

6:30 - 8:00 AM Prayer Breakfast - Open Invitation
 7:00 - 9:00 AM Exhibitor Set-up
 7:00 - 9:00 AM Registration Open and Continental Breakfast
 8:00 - 10:45 AM **III. General Session 1 - Onsite: The Sustainable Wastewater Opportunity**
 8:00 - 8:30 AM New Challenges and Opportunities for NOWRA and the Onsite/Decentralized Industry in These Trying Economic Times
 8:30 - 9:15 AM Resources from Waste - Creating Resilient Cities in Uncertain Times
 9:15 - 10:00 AM Wastewater Treatment Successes and Challenges in Milwaukee
 10:00 - 10:45 AM The Role of Distributed Approaches in Sustainable Water Resource Management
 10:45 AM - 12:30 PM **Exhibition Hall Opens**
 12:30 - 1:30 PM **Lunch provided in Exhibition Hall**
 1:30 - 2:15 PM The Evolution of Decentralized Wastewater Treatment EcocyclET- The New Green Paradigm for Reuse SW Leech Lake Inventory & Assessment Project
 1:30 - 4:30 PM **Milwaukee WWTP Tour**
 2:15 - 3:00 PM Wastewater Chemistry, Biology & Characteristics
 Effluent Disposal by Injection Well as a Mechanism for Efficient Groundwater Recharge
 Helping Small Minnesota Communities Solve Their Wastewater Issues
 3:00 - 4:30 PM Soils and Site Evaluation Overview
 3:00 - 3:45 PM Reusing Truck Stop Sewage for Toilets and Truck Washing
 Community Wastewater Treatment: The Preparation and Use of a Community Assessment Report
 3:45 - 4:30 PM No Net Discharge Wastewater Collection, Treatment and Dispersal System
 Status of Watersheds in the GOASO Forest District
 4:30 - 6:30 PM **Opening Reception in Exposition Hall** - Poster Discussions

WEDNESDAY, APRIL 8

7:00 - 9:00 AM Registration Open and Continental Breakfast
 8:00 - 10:00 AM **General Session 2, Onsite: The Sustainable Wastewater Opportunity**
 8:00 - 8:45 AM Pharmaceuticals and Personnel Care Product Concerns in the Onsite World
 8:45 - 9:30 AM The Business of NOWRA
 9:00 - 3:30 AM **Local Professional Open House** - EXPO Hall Pass or Special Invitation required
 9:30 - 10:00 AM US EPA Memorandum of Understanding (MOU) Partners with Water Quality and Decentralized Wastewater Interests
 10:00 - 12:00 PM General Meeting of the Consortium of Institutes for Decentralized Wastewater Treatment
 10:30 - 12:00 PM Water Movement in Soil
 CIDWT Installer Curriculum Program

WEDNESDAY, APRIL 8 (CONTINUED)

10:30 - 11:15 AM An Analytical Model for Prediction of Groundwater Plumes Originating from Onsite Wastewater Systems
 From Theory to Reality: After 8 years of Ecoflo Peat Replacement
 11:15 - 12:00 PM Analyzing Wastewater - N and P Concentrations in Soil Treatment Units Using Multivariate Statistics
 Advanced Pressurized Drainfield Design & Analysis
 A Model Quality Installation Assurance Program to Serve Onsite End-Users, Vendors and Practitioners
 12:00 - 1:00 PM **Lunch Available for Purchase in Exhibition Hall**
 1:00 - 2:30 PM Septic Tank Overview: Function, Design, Construction, Inspection and Troubleshooting
 1:00 - 1:45 PM Watershed Nitrogen TMDL Management with Decentralized Innovative Solutions
 SuperCharged Fixed Film is SMART Treatment Choice for High Organic Loads
 Continuing to Advance the Onsite Industry in Nebraska
 1:45 - 2:30 PM Recirculating Gravel Filter Modifications for Nitrogen Reduction
 Innovative Repair of a Failed Onsite System Treating High Strength Wastewater at a Chinese Restaurant
 Development of Certification-specific Training for Onsite Professionals
 2:30 - 3:30 PM **Exhibition Hall Free Time with Refreshments Provided**
 3:30 - 5:00 PM Aerobic Treatment Unit and Media Filter Overview
 3:30 - 4:15 PM Onsite Wastewater Systems Management Tools for the New Jersey Pinelands
 "I Didn't Know My Dealer Could Do That!": The Equipment Provider's Role in Quality Control of Decentralized Wastewater Systems
 Subsurface Sewage Treatment Practitioner Experience Program Evaluation
 4:15 - 5:00 PM Nitrate Removal Results with Biological Anoxic Filtration
 Wastewater Treatment and Reuse at a Commercial Development - Flexibility is Key
 Connecting The Messages - Safe Disposal and Public Education Task Force on PPCPs

THURSDAY, APRIL 9

7:30 - 9:00 AM Continental Breakfast Available outside of Wright Ballroom
 9:00 - 12:00 AM Weathering the Economic Storm: Business Survival
 9:00 - 10:30 AM Pumps and Controls for Decentralized Systems
 9:00 - 9:45 AM Public Confidence in Onsite Systems Requires Field Testing and Field Standards for Performance
 The True Cost of Sustainable Onsite Treatment Systems
 9:00 AM - 4:45 PM Midwest Regional Code Forum: Why must our rules be so different? The pros and cons of Regional Rules
 10:30 - 11:00 AM Break outside of Wright Ballroom
 11:00 - 12:00 PM Soil Treatment Principals and System Types
 A Comparison of Standard Constituents Present in the Waste Stream from Single Residential Sources to Values Reported in the Literature
 Implementing a Performance Based Code
 Lunch on your own
 12:00 - 1:30 PM Onsite System Longevity: The Maine Study
 1:30 - 2:15 PM Return Flow to Ground Water from Onsite Wastewater Systems
 Gravity & Pressure Soil Based Distribution Methods
 2:15 - 3:00 PM Modeling the Fate and Transport of 5 Organic Wastewater Contaminants in Onsite Wastewater System Soil Treatment Units
 Reuse as a Tool in Total Water Management
 3:00 - 3:45 PM Modeling Soil Treatment Units with HYDRUS-2D, Constructed Wetlands Module (CW2D)
 New 'How To' Guidance for Successful RMEs
 3:00 - 4:30 PM Operations & Maintenance of Decentralized Systems
 3:45 - 4:30 PM A Simple Tool for Predicting Chemical Removal in Soil Treatment Units
 Recent Trends in Decentralized Wastewater Management



NOWRA 18th Annual Technical Conference & Expo

REGISTRATION FORM

Register online at www.nowra.org

Mail this form with check (payable to NOWRA) or fax your registration with credit card information. Registrations are only accepted with full payment in U.S. dollars. After **April 1, 2009**, registrations are only accepted onsite at the Conference. **Cancellation Policy:** All cancellations must be submitted in writing to NOWRA Headquarters by **March 16, 2009** and will be refunded less a \$50 administrative fee.

Please print the following information

Membership Number _____ Full Name _____
 Name for badge (if different from above) _____
 Company/Organization _____
 Street Address _____
 City _____ State/Province _____ Zip/Postal Code _____ Country _____
 Email: _____ Phone Number: _____

CONFERENCE REGISTRATION

Full Conference (Tuesday-Thursday) *Does not include field trips, but does include receptions.*

- NOWRA Member: \$395 (by 02/27/09) • \$495 (after 02/27/09) \$ _____
- Non-NOWRA Member: \$495 (by 02/27/09) • \$595 (after 02/27/09) \$ _____
- International Colleague (excludes Canada): \$395 (by 02/27/09) • \$495 (after 02/27/09) \$ _____

Regulator (only) – Full Conference (Tuesday-Thursday)

- NOWRA Member: \$295 \$ _____
- NOWRA Non-Member: \$395 \$ _____

Student Conference/Membership *(Does not include field trip, or receptions):* \$150 \$ _____
Please mail in verification of student status.

Daily Conference Rate: Tuesday Wednesday Thursday \$ _____

- NOWRA Member: \$250 (by 02/27/09) • \$350 (after 02/27/09) \$ _____
- Non-NOWRA Member: \$350 (by 02/27/09) • \$450 (after 02/27/09) \$ _____
- Regulator (NOWRA Member): \$225 \$ _____
- Regulator (Non-NOWRA member): \$325 \$ _____

Exposition Pass *(Access to Exposition Hall Only):* \$50 \$ _____

Local Residents Exposition Pass: \$25 *(For residents of WI, MI, IN, IA, MN & IL. Access to expo hall Wednesday only) (WOWRA & WPCA Members have free access to expo hall on Wed.)* \$ _____

SOCIAL EVENTS/CONFERENCE TOURS/PRE-CONFERENCE

- Monday Pre-Conference** *(Separate from the Full Conference Fee):* \$125 \$ _____
- Monday Tour of Decentralized Systems in Milwaukee** *(NOT Included in full conference fee):* \$95 \$ _____
- Tuesday Exposition Reception** *(Included in full conference fee):* \$40 \$ _____
- Tuesday Milwaukee Wastewater Treatment Plant Tour** *(NOT Included in full conference fee):* \$49 \$ _____
- Wednesday Offsite Reception** *(Included in full conference fee):* \$65 \$ _____

MISCELLANEOUS

- Spouse/Guest** (Spouse/Guest Name) _____ : \$125 Per Person \$ _____
- 2009 NOWRA Membership Fee:** \$140 \$ _____
Only for those individuals who reside in a state without an affiliated state association.
- I plan to attend the Onsite A to Z Systems Course** *(Included in full conference fee, but **ADVANCED SIGN UP IS REQUIRED**)* **Total Amount Enclosed** \$ _____

PAYMENT INFORMATION (NOWRA EIN# 593099430)

- My check in the amount of \$ _____ is enclosed (Check # _____)
- Please charge my: Visa MasterCard Credit Card Number _____
- Exp. Date: _____ Security Code _____ Name on Card _____
- Billing Address _____ City _____ State _____ Zip _____
- Signature (Required) _____

18th Annual Technical Conference – April 6-9, 2009
NOWRA offers Online Registration at www.nowra.org/annual_conference

Profile Questions

Please take a moment to answer these short profile questions.
Your input will help us better serve NOWRA conference attendees in the future!

1. How many times have you attended the Annual Conference? Circle one.

- a. First time
- b. 1-5 years
- c. 6-10 years
- d. 11+ years

2. Please check all that apply to you:

- Installer
 - Designer
 - Manufacturer
 - Builder
 - Regulator
 - Student
 - Service Provider
 - Educator
 - Other
-

3. What are your main reasons for attending the Annual Conference ? Check all that apply.

- Variety of Educational Topics
 - Continuing Education Units (CEUs)
 - A-Z Training Track
 - Pre-Conference Symposium
 - Exhibits/Trade Show
 - Event Location
 - Other (please specify)
-

4. How did you find out about the Annual Conference? Check all that apply.

- NOWRA website
- Onsite Journal from NOWRA
- Direct Mailing from NOWRA
- NOWRA broadcast email
- State Association Newsletter
- State Association Website
- CIDWT (Consortium)
- Local licensing/CEU agency
- Other (please specify) _____

5. Are you a member of a state association?

a. Circle one. Yes No

b. If **yes**, which one?

c. How long have you been a member? _____ Years

d. If **no**, are you NOWRA member at the national level?

Circle one. Yes No

e. How long have you been a member? __years

6. How far will you be traveling to attend the Annual Conference? Circle one.

- a. 1-50 miles
- b. 51-150 miles
- c. 151-500 miles
- d. 501-1,000 miles
- e. 1,001-2,000 miles
- f. 2,000+ miles

7. How many other professional meetings do you attend each year? Choose one.

- a. I don't attend other professional meetings
- b. 1-2
- c. 3-5
- d. 5+

8. Which events or activities do you plan to participate? Check all that apply.

- General Sessions
- Breakout Sessions
- Roundtable/Forum
- NOWRA Business Meeting
- Affiliate Meeting
- Exhibit Hall
- Networking
- None

9. Continuing Education / Licensure - Please indicate what governing body you are licensed through or through which you maintain CEUs.

