

# NOWRA 19<sup>th</sup> Annual Technical & Education Conference

## Surface Discharge: Challenges and Solutions

### St. Louis, Missouri - October 25-27, 2010

#### MONDAY October 25, 2010

Start	Finish	
1:00 PM	5:00 PM	NOWRA Board of Directors Meeting - <b>FIELD ROOM</b>
4:00 PM	5:30 PM	NOWRA Technical Practices Committee - Location - <b>SOULARD ROOM</b>
5:00 PM	8:00 PM	NOWRA Affiliate Meeting- Location - <b>LACLEDE ROOM</b>

#### TUESDAY October 26, 2010

#### I. General Session (**ILLINOIS ROOM**) - Surface Discharge - Challenges and Solutions

Start	Finish	
7:30 AM	9:00 AM	Registration Open and Continental Breakfast Available in Registration Area
8:00 AM	8:15 AM	NOWRA Presidents Welcome, Thomas Groves
8:15 AM	8:30 PM	Overview of Surface Discharge Challenges and Solutions, Randy Miles
8:30 AM	9:15 AM	Surface Discharges and Waters of the United States, Illinois Rep. Mike Tryon
9:15 AM	9:45 AM	Surface Discharges: Challenges and Solutions: EPA Region 7 Perspective, Alex Owutaka
9:45 AM	10:15 AM	Break Location TBD
10:15 AM	10:45 AM	Surface Discharges: Challenges and Solutions: EPA Region 5 Perspective, Morris Beaton
10:45 AM	12:00 AM	Panel Discussion: Miles (Moderator), Mike Tryon, Alex Owutaka, Morris Beaton, Dan Olson (Iowa Department of Natural Resources), Nathan Johnson (Ohio Department of Health)
12:00 PM	1:30 PM	Lunch - On Your Own

#### Afternoon Sessions

Track Topic		Focused Surface Discharge Related Topics	Innovative Products & Solutions	Management & Education
Track Number		II	III	V
Room		<b>ILLINOIS ROOM</b> - Moderator: Randy Miles, Assisstant: Greg Graves	<b>LEWIS &amp; CLARK ROOM</b> - Moderator: Joyce Theard, Assisstant: Mike Catanzaro	<b>MISSISSIPPI ROOM</b> - Moderator: Janet Murray, Assisstant: Mike Catanzaro
Start	Finish			
1:30 PM	2:15 PM	Iowa's Surface Discharge Permit Program, Dan Olson	Onsite Wastewater System Solutions for Shallow Installations, Dennis Hallahan	Development and Delivery of Web-Based Education in Decentralized Treatment, Larry Stephens
2:15 PM	3:00 PM	Will an Illinois OWW Code Ever Limit Direct Discharges? Anthony Smithson	Methane Management, Rodney Ruskin	Integrated Water Resource Characterization at a Municipal Scale, Amy Macrellis
3:00 PM	3:15 PM	Break Location TBD		
3:15 PM	4:00 PM	Maine's Experience with Overboard Discharge Waste Treatment and Disposal Systems, Russell Martin	Use of Aerated Storage Ponds Following Packed-Bed Filters for Improved Performance and Lower Costs, Larry Stephens	Development of an Economic Model to Project the Cost of Decentralized Wastewater Options, John Buchanan
4:00 PM	4:45 PM			
5:00 PM	7:00 PM	<b>Reception in Tabletop Expo --SOUTH EXHIBIT HALL</b>		

## WEDNESDAY October 27, 2010

<b>WEDNESDAY October 27, 2010</b>				
7:30 AM	9:00 AM	<b>Continental Breakfast Available, <span style="color: red;">OUTSIDE MISSISSIPPI ROOM</span></b>		
7:30 AM	8:30 AM	<b>Past NOWRA Presidents Breakfast, <span style="color: red;">BOARDROOM</span></b>		
8:00 AM	9:00 AM	<b>NOWRA Education Committee Meeting- Location - <span style="color: red;">ATRIUM D</span></b>		
<b>Track Topic</b>		<b>Innovative Products and Solutions</b>	<b>System Influences &amp; Nutrient Evaluations</b>	<b>Installer, Designer &amp; Service Provider</b>
<b>Track Number</b>		<b>III</b>	<b>IV</b>	<b>VI</b>
<b>Room</b>		<b><span style="color: red;">SOULARD ROOM</span> - Moderator: Curtis Cluckey, Assistant: Mike Catanzaro</b>	<b><span style="color: red;">ILLINOIS ROOM</span> - Moderator:</b>	<b><span style="color: red;">SOUTH EXHIBIT HALL</span> Moderators: Randy Miles and Tom Fritts</b>
<b>Start</b>	<b>Finish</b>			
9:00 AM	9:45 AM	Innovative Approaches Allowing Surface Discharge of Treated Effluent, Roger Lacasse	Reducing Phosphorus Loading in the Greenwood Lake Watershed, New York, Bruce Douglas	<b>See next page</b>
9:45 AM	10:30 AM	Membrane Bioreactor (MBR) Technology for Decentralized Wastewater Systems, Reza Shams	How Ecological Wastewater Treatment Systems Can Improve Larger Ecosystems, William Kirksey	
10:30 AM	11:00 AM	<b>Break</b>		
11:00 AM	11:45 AM		Watershed-Scale Nutrient Modeling Approaches for Integrated Evaluation of Wastewater Treatment Alternatives, Bruce Douglas	<b>See next page</b>
11:45 AM	1:30 PM	<b>Lunch Provided - NOWRA Annual Business Meeting -- <span style="color: red;">MISSISSIPPI ROOM</span></b>		
<b>Track Topic</b>		<b>Innovative Products and Solutions</b>	<b>Standards, Inspection and Enforcement</b>	<b>Installer, Designer &amp; Service Provider</b>
<b>Track Number</b>		<b>III</b>	<b>VII</b>	<b>VI</b>
<b>Room</b>		<b><span style="color: red;">SOULARD ROOM</span> - Moderator: Gerrin Cheek Butler</b>	<b><span style="color: red;">ILLINOIS ROOM</span> - Moderator: Ron Suchecki, Moderator Assistant: Craig Gilbertson</b>	<b><span style="color: red;">South Exhibit Hall</span> Moderators: Randy Miles &amp; Tom Fritts</b>
1:30 PM	2:15 PM	Development of High Strength Wastewater for NSF Standard Testing, Sara Heger	New NSF Onsite Wastewater Treatment Standards Nearing Completion, Sharon Steiner	<b>See next page</b>
2:15 PM	3:00 PM	Ecological, On-Site Wastewater Treatment and Re-Use System Centerpiece of Large Commercial Portland Building, William Kirksey	The Case for Point-of-Sale Inspection, Dawn Long	
3:00 PM	3:45 PM	Onsite Solutions for Challenging Sites, Anish Jantrania	Fraud Prevention in the On Site Industry, Link Summers	
5:00 PM	6:00 PM	<b>BPP meeting - <span style="color: red;">ST. LOUIS WEST ROOM</span></b>		
<b>THURSDAY October 28, 2010</b>				
<b>Start</b>	<b>Finish</b>			
8:00 AM	4:00 PM	Field Trip - Tour of Missouri Sites/Systems		