



Delaware Rural Water Association's

# 22<sup>nd</sup> Annual Technical Conference & Exhibition

*Dover Building*

*Delaware State Fairgrounds*

*Harrington, Delaware*

## System/Local Officials Registration

*Registration Fee: \$25/person*

**EXHIBITOR SET-UP:**

**FEBRUARY 28, 2012**  
9:00 a.m.—5:00 p.m.

**MEET & GREET:**

**FEBRUARY 28, 2012**  
6:00 p.m.—8:00 p.m.

**EXHIBITS OPEN:**

**FEBRUARY 28, 2012**  
6:00 p.m.—8:00 p.m.

**FEBRUARY 29, 2012**  
8:00 a.m.—5:00 p.m.

**MARCH 1, 2012**  
8:00 a.m.—Noon

**EXHIBITOR TEARDOWN:**

**MARCH 1, 2012**  
1:00 p.m.—3:00 p.m.





**Delaware Rural Water Association's**  
**22<sup>nd</sup> Annual Technical Conference & Exhibition**  
*Delaware State Fairgrounds, Harrington, Delaware*  
*February 28—March 1, 2012*

## *Agenda*

### **TUESDAY, FEBRUARY 28, 2012**

9:00 a.m.—5:00 p.m.	<b>Exhibitor Set-up</b>
4:00 p.m.—6:00 p.m.	<b>OSHA: Rules &amp; Jurisdiction</b> <i>Credit Hours: 2.0 Water, Wastewater-Indirect &amp; On-Site</i> <i>Instructor: Vincent Soss, OSHA Compliance Assistance Specialist</i>
6:00 p.m.—8:00 p.m.	<b>Meet and Greet—Exhibit Hall Open</b>

### **WEDNESDAY, FEBRUARY 29, 2012**

8:00 a.m.	<b>Exhibit Hall Opens</b>
11:00 a.m.—12:00 p.m.	<b>Concurrent Sessions:</b> <b>Sludge Dewatering &amp; Drying Systems</b> <i>Credit Hours: 1.0 Wastewater-Direct &amp; On-Site</i> <i>Instructor: Rob Kershner, Kershner Environmental Technologies</i> <b>Choosing the Right Tool for a Safer Workplace</b> <i>Credit Hours: 1.0 Wastewater-Indirect &amp; On-Site; Also applies to Water</i> <i>Instructor: Greg Picher, A. P. Certified Testing</i>
Noon—1:30 p.m.	<b>LUNCH Break/Membership Meeting</b> Dover Building will be locked
2:00 p.m.—3:00 p.m.	<b>Concurrent Sessions:</b> <b>Accessing USDA-RD Funding</b> <i>Credit Hours: 1.0 Wastewater-Direct &amp; On-Site; Also applies to Water</i> <i>Instructor: Denise MacLeish, USDA-RD</i> <b>Opportunities for Very Small Public Water Systems</b> <i>Credit Hours: Applies to Water only</i> <i>Instructors: DHSS SRF Staff and DRWA Staff</i>
3:30 p.m.—4:30 p.m.	<b>Concurrent Sessions:</b> <b>Advanced Metering Infrastructure: Selecting and Evaluating AMI Systems</b> <i>Credit Hours: Applies to Water only</i> <i>Instructor: Steve Brewer, Mueller Systems</i> <b>Advanced Methods for Locating Leaks</b> <i>Credit Hours: 1.0 Wastewater-Direct &amp; On-Site; Also applies to Water</i> <i>Instructor: John Marciszewski, Echologics</i>



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***Agenda (Continued)***

**THURSDAY, MARCH 1, 2012**

8:00 a.m.	<b>Exhibit Hall Opens</b>
11:00 a.m.—12:00 p.m.	<b><u>Concurrent Sessions:</u></b> <b>Civilian Conservation Corps: Legacy to Our Water/Wastewater Infrastructure</b> <i>Credit Hours: 1.0 Wastewater-Indirect; denied for On-Site; Also applies to Water</i> <i>Instructor: Mike Harrington, USABlueBook</i>  <b>Ice Pigging</b> <i>Credit Hours: Applies to Water only</i> <i>Instructor: Russ Brown, Utility Service Company</i>
Noon—1:00 p.m.	<b>LUNCH in the Dover Building With the Exhibits</b> Chinese Auction Drawings
1:00 p.m.—3:00 p.m.	<b>OSHA: Rules &amp; Jurisdiction</b> ( <i>Repeat of Tuesday Session</i> ) <i>Credit Hours: 2.0 Wastewater-Indirect &amp; On-Site; Also applies to Water</i> <i>Instructor: Vincent Soss, OSHA Compliance Assistance Specialist</i>
1:00 p.m.—2:00 p.m.	<b>Tools to Enhance Water &amp; Wastewater Utility Security, Resilience &amp; Sustainability</b> <i>Credit Hours: 1.0 Wastewater-Direct &amp; On-Site; Also applies to Water</i> <i>Instructor: Gretchen Giannelli, EPA Water Security</i>
2:00 p.m.—3:00 p.m.	<b>System Inventory</b> <i>Credit Hours: 1.0 Wastewater-Direct; Denied for On-Site; Also applies to Water</i> <i>Instructor: Jean Holloway, DRWA</i>

***Thank You to Our 2012 Sponsors***

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## A Word About Credit Hours . . .

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### Documenting Your Attendance:

To accurately document your attendance, please be sure to:

- ◆ **SCAN in and out at the Registration Desk** when you arrive **and** when you leave for the day. Ask the person scanning to compare the barcode number on your badge with what shows on the scanner to ensure your barcode is recorded.
- ◆ **SIGN in at training sessions** on the pre-printed sign-in sheets available at each session. The names of pre-registered individuals will be listed alphabetically by last name. Find your name and sign in the provided space. If you don't see your name, simply go to the end of the list and add your name (print then sign). Please be sure to do this for each session you attend.

### Water Operator Credits

This year water operators can potentially earn up to 12 credit hours at the Conference if they were to attend all three days as follows:

- ◆ **February 28**—OSHA: Rules & Jurisdiction—2.0 credit hours
- ◆ **February 29**—Up to 5.0 credit hours—A water operator must attend for a minimum of 4 hours to receive 5 credits. Credits are not given for the individual training sessions; however attendance at the various training sessions counts toward the 4 hour minimum. Credits will be prorated for attending less than 4 hours.
- ◆ **March 1**—Up to 5.0 credit hours—Again, a water operator must attend a minimum of 4 hours to receive 5 credits. Credits are not given for the individual training sessions; however attendance at the various training sessions counts toward the 4 hour minimum. Credits will be prorated for attending less than 4 hours.

### Wastewater Operator Credits

Wastewater Operators can potentially earn up to 7 credit hours if they attend all three days. The credit hours for each session are listed on the agenda next to the session titles.

### On-Site Hauler Credits

Attendees with On-Site Licenses can potentially earn up to 7\* credit hours if they attend Wednesday and Thursday's training sessions. See the agenda for credit hours.

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*\*This may vary depending on approval by the boards of certification for sessions which are under review at time of printing.*

## Training Opportunities

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### OSHA: Rules & Jurisdiction

*Instructor: Vincent Soss, OSHA Compliance Assistance Specialist*

*Credits: \*2.0 Wastewater-Indirect, On-Site Licenses & Water Operators*

*This course will discuss multi-workplace policies; safety as regards to plumbing, electrical and trenching; jurisdiction; and municipalities and their subcontractors.*


*\*PLEASE NOTE: This session will be offered twice. Operators will only be awarded credits once. Water operators attending the Tuesday session will earn 2 credit hours and the course will show on their training report. Water operators attending the Thursday session will have the hours count toward the "4 hours of attendance to receive 5 credits" if they did not attend on Tuesday. The class will not show on the training report for Water operators attending on Thursday. Wastewater Operators and On-Site licensees should choose one of the two sessions offered as credits will not be awarded twice.*

### Sludge Dewatering & Drying Systems

*Instructor: Rob Kershner, Kershner Environmental Technologies*

*Credits: 1.0 Wastewater-Direct and On-Site Licenses*

This presentation will cover the many available process technologies used commonly for thickening, dewatering and drying of municipal and industrial water and wastewater residuals (sludge). The equipment and systems will be compared based on their relative capital cost, operating cost, power and chemical consumption, equipment size and systems layouts.





## Training Opportunities (*Continued*)

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### **Choosing the Right Tool for a Safer Workplace**

*Instructor:* Greg Picher, AP Certified Testing LLC

*Credits:* 1.0 Wastewater-Indirect & On-Site; Also applies to Water

Maintaining a safe workplace brings to mind glasses, earplugs, hard hats, road signs, flags, etc. What also needs our attention is what tools are available to help us work safer. The main focus of this one hour session will be a look at products that offer solutions for unsafe conditions such as: Ratchet gate valve key; Valve nut replacement tool; Magnet & dolly; Chain-saw; Hydrant setter; Adjustable angle wrench; Gas monitor; Trench box; Blowers; Tripod & harness.

### **Accessing USDA-RD Funding**

*Instructor:* Denise MacLeish, USDA-RD

*Credits:* 1.0 Wastewater-Indirect & On-Site; Also applies to Water

This session will review the requirements necessary to access USDA loan and grant funding regarding submittal of a Preliminary Engineering Report (PER) and Environmental Report (ER). Discussion will also include selection of an engineer and utilization of EJCDC documents

### **Opportunities for Very Small Public Water Systems**

*Instructors:* Staff from DHSS SRF Program and DRWA

*Credits:* Applies to Water Only

Since 1996, Delaware has committed over \$186,000,000 in Federal Capitalization Grant and State Matching funds for project based assistance low-interest loans to public water systems (PWS). All community water systems, both public and private are eligible to apply for these funds. Projects funded for 2011 serve 229,437 Delawareans. To learn how your system may benefit from this very successful program please plan to attend this session.

### **Advanced Metering Infrastructure: Selecting and Evaluating AMI Systems**

*Instructor:* Steve Brewer, Mueller Systems

*Credits:* Applies to Water Only

As focus on water conservation and compliance with increasing State and Federal regulations continues to grow, advanced metering infrastructure (AMI) — the smart technology that is typically associated with improving efficiency and conservation for electric utilities — is now gaining attention from rural water utilities as an efficient way to improve water resource management. This course will educate attendees on the numerous cost, conservation and customer service benefits of AMI as well as important items to consider when selecting an AMI system. Utility professionals will leave this session with a practical knowledge regarding basic AMI functionality; specific ways AMI can improve conservation, system integrity, customer service and regulatory compliance; how to determine if their utility is a good candidate for AMI; and best practices and important considerations when selecting and evaluating AMI systems.

### **Advanced Methods for Locating Leaks**

*Instructor:* John Marciszewski, Echologics

*Credits:* 1.0 Wastewater-Direct & On-Site; Also applies to Water


This session will educate attendees on recent non-invasive leak detection methodologies that utilities can use to efficiently and cost-effectively reduce wastewater and water loss and more effectively manage their system assets. Utility professionals will learn how to use the latest acoustic leak detection methodologies to more efficiently and cost-effectively detect leaks, measure effective wall thickness of pipes, reduce wastewater loss and non-revenue water; improve water conservation; address issues related to deteriorating asbestos cement (AC) pipe; prioritize wastewater and water system repairs and replacement; and reduce operational costs.

### **Civilian Conservation Corps: Legacy to Our Water/Wastewater Infrastructure**

*Instructor:* Mike Harrington, USABlueBook

*Credits:* 1.0 Wastewater-Indirect; On-Site TBD; Also applies to Water

This program looks at the history of the Civilian Conservation Corp (CCC) from the CCC's beginning in the early 1930's by then president, Franklin D. Roosevelt. The CCC's original purpose and the various construction projects undertaken by this nationwide group of young men will be discussed with an eye towards the various water and wastewater infrastructure construction, much of which remain in use today.



## Training Opportunities (*Continued*)

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### Ice Pigging

*Instructor:* Russell M. Brown, Utility Service Company

*Credits:* Applies to Water

Increasing regulatory pressure represented by the Stage 2 Disinfectants and Disinfection By-Product Rule and the proposed revisions to the Total Coliform Rule present complex challenges for maintaining water quality within aging distribution systems. Problems typically caused by sediment and bio-film build-up that accumulate over time within the distribution system mains can eventually manifest in consumer and regulatory issues. To the consumer the problem may be aesthetic, such as “red” or “black” water or as unpleasant taste or odor. For the water operator it could mean water quality compliance issues such as residual loss, elevated disinfection by-products or positive coliform tests. Current approaches to manage these issues such as flushing, mechanical and soft pigging no longer represent the sustainable best practice. This presentation will detail the science behind ice pigging, bio-films and the new NSF certified protocol for ATP Testing as well as the ice pigging operation.

### Tools to Enhance Water & Wastewater Utility Security, Resilience & Sustainability

*Instructor:* Gretchen Giannelli, EPA Water Security

*Credits:* 1.0 Wastewater-Direct and On-Site; Also applies to Water

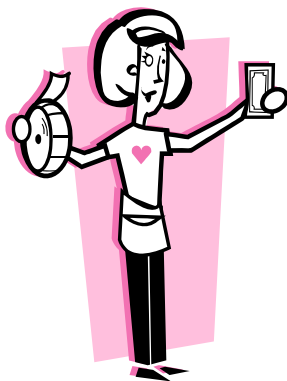
After attending this session, participants will be able to identify threats facing water utilities and the communities they serve; recognize the importance of planning ahead for water service interruptions and including the community in planning; review free tools that were designed to help utilities prevent, detect, respond to and recover from all-hazards events; and know about resources for mutual aid, infrastructure security, and funding.

### System Inventory

*Instructor:* Jean Holloway, DRWA

*Credits:* 1.0 Wastewater-Direct; Also applies to Water; Denied for On-Site

This session will explain what a full system inventory is, the importance of having a full system inventory and the relationship of a full system inventory to system sustainability. In addition, the tools and methodology for completing a full system inventory and services available through Delaware Rural Water Association to help systems complete the inventory will be discussed.



***Chinese Auction!***

***Vendor Door Prizes!***

***Catering by:***

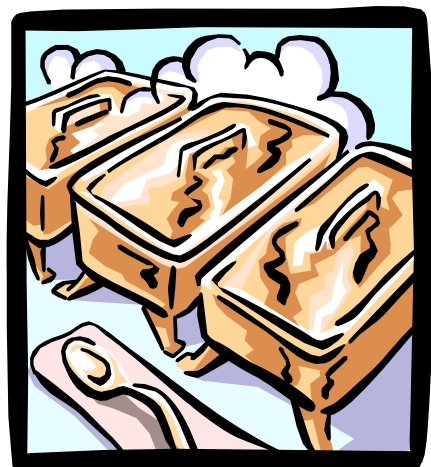
***Midway Slots***

*Meet & Greet*

*Continental Breakfast*

***Calypso Catering***

*Lunches*





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By being a “Friend of Rural Water” you can help Delaware Rural Water Association continue educating and supporting water and wastewater systems in Delaware.

## I (we) would like to be a Friend of Rural Water

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*Thanks for your support!*



