

September 2015



MINNESOTA RURAL WATER ASSOCIATION

# The Technical Assistance Times

## Last Chance to Register for EXPO



# EXPO

### 7th Annual MRWA Operator Equipment EXPO

**September 23, 2015 \* Carver County Fairgrounds - Waconia, MN**



Last chance to register for MRWA's outdoor Operator Equipment EXPO! The EXPO offers hands-on training and demos as well as heavy equipment test drives and skills contests. Network with vendors in both an indoor-and-outdoor venue.

Registration includes barbeque lunch, expo t-shirt, industry exhibits and demos, hands-on training, skills contests and test drives, door prizes, and more! Registration materials and tentative agenda on page 6. Check it out!



## MnWARN to Hold Annual Meeting

MnWARN will hold their Annual Meeting on **September 2, 2015** at the Best Western Kelly Inn in St. Cloud, MN. Lunch is provided (no charge) and there is **no fee** to attend this event. Please pre-register for the Annual Meeting by calling 800-367-6792 or online at: [www.mrwa.com/wf8.html](http://www.mrwa.com/wf8.html) by **August 29, 2015**. A room block has been set up at the Best Western Kelly Inn for those needing a hotel on September 1st, call 320-253-0606. Visit [www.MnWARN.org](http://www.MnWARN.org) for more information.



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 **September 28-30, 2015**

**WaterPro**  
Conference

**Oklahoma City, OK**

**Register at:**  
[www.waterpro-conference.org](http://www.waterpro-conference.org)



We're on Facebook!  
Become a fan today!

## September 2, 2015 **SDWA Training**

City of Warren  
Fire Hall

228 West Johnson Avenue  
Warren, MN

### **Safe Drinking Water Act Compliance Training**

**8:00am**      **Understand the Revised Total Coliform Rule and Groundwater Rule**  
*\*Distribution System: learn about the DBP (Distribution System By-Products) Rule and new ways to comply with Stage 2 Distribution System By-Products.*

*\*Revised Total Coliform Rule: learn about the Revised Total Coliform Rule changes that will affect water systems. See when a system should implement a boil water order or a precautionary boil water order; get a 30-hour hold update, and discover repeat sampling at sources. This session will also be a question and answer session.*

*\*Distribution System: discover new ways to clean up the distribution system and how proper sampling is important to the distribution system.*

**12:00pm**      **Lunch - (On Your Own)**

**1:00pm**      **Understand the Revised Total Coliform Rule and Groundwater Rule *continued***  
*\*Filter Optimization: this session will cover filter optimization to reduce THM's (trihalomethanes) for the Stage 2 DBP Rule.*

*\*Hazard Recognition: see the rules, requirements, and equipment that is needed for proper workplace safety. Learn about recordkeeping and other items needed to keep your workplace safe.*

*\*Security Intelligence Sharing 'Water Security': Learn about water security and intelligence sharing in the water industry. Prepare and plan for terrorist or criminal activity ahead of time.*

**4:00pm**      **End of Day**

### About the Class:

Get valuable information you need from our expert trainers to maintain compliance with the Safe Drinking Water Act (SDWA) and state regulations.

Technical assistance to address compliance issues is available from Minnesota Rural Water Association at no cost.

Support Minnesota Rural Water Association  
Training | Technical Assistance

6 certification hours | FREE of charge!

**To Register: call: 800-367-6792  
or online at: [www.mrwa.com](http://www.mrwa.com)  
(use the training calendar fast track menu).**

**Instructors:** Dakota Supply Group, Department of Labor and Industry - OSHA, Hawkins Water Treatment Group, Minnesota Department of Health, Minnesota Fusion Center, Ulteig, and Minnesota Rural Water Association.

*This training is brought to you through a grant by the National Rural Water Association and US EPA.*

**Attend this session and learn how to keep your water system in compliance with state and federal drinking water regulations!**



## September 9, 2015 SDWA Training

City of Zumbrota  
VFW Building  
25 E. 1st Street  
Zumbrota, MN

### Safe Drinking Water Act Compliance Training

**8:00am**      **Understand the Revised Total Coliform Rule and Groundwater Rule**

*\*Distribution System: see the equipment for fire hydrant flow testing and data options.*

*\*Cross Connection Prevention: see new technology to help locate your next problem area and assess water main pipe integrity.*

*\*Water Treatment Plant Operations: discover how to extend filter runs and increase filter efficiencies. See how one community, with the assistance of their engineer, decreased their backwash frequencies from one day to five days.*

*\*Distribution System: learn about restraint options for hydrants and valves to improve water quality and prevent cross connections.*

**12:00pm**      **Lunch - (On Your Own)**

**1:00pm\***      **Understand the Revised Total Coliform Rule and Groundwater Rule *continued***

*\*MDH Update: sampling requirements, Revised Total Coliform Rule, and when a boil water order or a precautionary boil water order should be implemented will be covered in this session.*

*\*Hazard Recognition: see the rules, requirements, and equipment that is needed for proper workplace workplace safety. Learn about recordkeeping and other items needs to keep your workplace safe.*

*\*Learn about water security and intelligence sharing in the water industry. Prepare and plan for terrorist or criminal activity ahead of time.*

**4:00pm**      **End of Day**

### About the Class:

Get valuable information you need from our expert trainers to maintain compliance with the Safe Drinking Water Act (SDWA) and state regulations.

Technical assistance to address compliance issues is available from Minnesota Rural Water Association at no cost.

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6 certification hours | FREE of charge!

**To Register: call: 800-367-6792  
or online at: [www.mrwa.com](http://www.mrwa.com)  
(use the training calendar fast track menu).**

**Instructors:** CPM Group, Department of Labor and Industry - OSHA, Minnesota Department of Health, Minnesota Pipe & Equipment Co., Minnesota Fusion Center, Mueller Co., Short Elliott Hendrickson Inc., and Minnesota Rural Water Association.

This training is brought to you through a grant by the National Rural Water Association and US EPA.

**Attend this session and learn how to keep your water system in compliance with state and federal drinking water regulations!**



\*Water Operator Certification Exam will be given at 1:00pm. You must pre-register with the Minnesota Department of Health **15 days prior to the training session**. For an application form and study guide, call MRWA at 800-367-6792 or Mark Sloan, MDH, at 651-201-4652. You can also download an exam application at: <http://www.health.state.mn.us/divs/eh/water/wateroperator/infoexam/opexamapp.pdf>.

- 7:30am Registration and Introductions**
- 8:00am MRWA Updates**  
*See what's new in the industry and learn what your Association can do for you. Topics such as new technology, mapping, and online information will be covered.*
- 9:00am Wastewater Treatment Ponds**  
*Learn about high pH in ponds, algae blooms, and algae control in this session. Sampling techniques will also be covered.*
- 10:00am Operations Specialists Round Table Discussion**  
*Bring your questions or concerns that you have with your wastewater systems to this session. Topics covered will include: planning an infrastructure project, collection system, smoke testing, I&I plans, Phosphorus plans, record-keeping and eDMRs, O&M of wastewater ponds, and rates. Learn from your peers in the industry. This session will also cover a live eDMR submittal.*
- 12:00pm Lunch - (On Your Own)**
- 1:00pm Collection System Root Problems**  
*Learn about technology with a new process to destroy roots in your collection system. Also look at innovative ways to deal with odors, grease, and lift stations.*
- 2:00pm New Collection or Distribution Project in the Future?**  
*See the proper installation and understand trace wire and locating specs for your next project. This session will help you understand this inside and out!*
- 3:00pm Lift Station Calibration and Wastewater Math**  
*Go through the proper calibration steps and math to learn how to properly calibrate your lift stations for reporting.*
- 4:00pm End of Day**

**September 10, 2015**

**City of Greenbush  
Community Center  
234 Main Street North  
Greenbush, MN**



**Course Instructors:** This training session will be taught with the assistance of: Electric Pump, Minnesota Pump Works, Team Lab Chemical Corp., and the Minnesota Rural Water Association.

**Six Certification Hours for Full Day Attendance**

There is **NO** charge for this session.

**To Register For Any Training Session:** Call the MRWA Office at 800-367-6792 or online at [www.mrwa.com](http://www.mrwa.com). Use the training calendar link.



## Did you know?

MRWA offers low cost, one-on-one, on-site training opportunities for clerks.

Log onto MRWA's web site at: [www.mrwa.com](http://www.mrwa.com) and click on the Clerk Training banner for a free quote. MRWA has a list of topics available for training opportunities. Check them out!



# Sustainable Management Workshop for Small & Rural Systems



**This workshop will help utilities address a full range of challenges and improve the management of their operation and infrastructure.**

*Utilities will learn to make improvements in the ten key management areas, focusing first on their most pressing challenges.*

## Ten Key Management Areas:

1. Product Quality
2. Customer Satisfaction
3. Employee Leadership & Development
4. Operational Optimization
5. Financial Viability
6. Operational Resiliency
7. Infrastructure Stability
8. Community Sustainability
9. Water Resource Adequacy
10. Customer Understanding & Support

*6 credit hours awarded for full day attendance.*

Minnesota Rural Water Association in conjunction with the US EPA and USDA Rural Development, invite you to attend this Sustainable Management Workshop.

## Workshop Agenda

- \* Introductions & Workshop Objectives
- \* Overview of Key Management Areas
- \* Utility 'Self Assessment' Exercise
- \* Self Assessment Results Discussion
- \* Working Lunch
- \* Improving Outcomes Exercise Practices, Tools, and Measures Discussion
- \* Action Plan Discussion / Exercise
- \* Workshop Feedback

## Objectives:

- ◆ *How to deliver increasingly efficient, and higher quality services.*
- ◆ *How to improve long-term sustainability and increase resiliency.*
- ◆ *How to use the Small Systems Guidebook to Effective Utility Management to make improvements at your system.*

## Workshop Details:

- Date: September 16, 2015
- Time: 8:30am—3:30pm (working lunch provided)
- Location: City Hall, 904 10th Avenue  
Clarkfield, MN
- Fee: \$20.00 working lunch fee
- Register: Call 800-367-6792 or online at:  
[www.mrwa.com/wf6.html](http://www.mrwa.com/wf6.html)

Hurry and register: Class is limited to 35 attendees!



# 7th Annual MRWA Operator Equipment Expo

September 23, 2015 - Tentative Agenda

Carver County Fairgrounds - Waconia



**7:30am** Registration

**All-Day Event Demos Begin (8:00am - 4:00pm)**

*\*Line Tracing Demo - \*Vactor/Nozzle Demo - \*Water Tower Inspection Services Demo*

*\*Skid Loader Rodeo Skills Contest, \*Backhoe Skills Contest*

**Concurrent Water & Wastewater Session Tracks and Demonstrations Begin**



**8:00am**

Water Consequences of Auto Control Failures Demo  
Water-OR-Wastewater No-Fail Restraint Options for Hydrants & Valves With Pipe Pressure Demo

**8:30am**

Water Meter Pump & Chlorination System Maintenance Demo  
Wastewater What to Expect in a Typical Lift Station Pump Check (How to Bump a Pump!) Demo

**9:00am**

Water Valve Riser Box Repairs Demo  
Water-OR-Wastewater Hydroexcavation and Line Locating Demo

**9:30am**

Water Waterous Pacer Fire Hydrant Demo  
Wastewater Nozzles and Mainline Camera Demo

**10:00am**

Water Portable Ultrasonic Flow Tester & Scale Remover Demo  
Water-OR-Wastewater Hydraulic Power Units Demo  
Wastewater Oblitiroot - Foaming Root Killer Demo

**10:30am**

Water New Generation Gate Valve & AquaGrip Restraint on Valve Demo  
Water-OR-Wastewater Tank Mixing Live Demo  
Water-OR-Wastewater Safe Use of Shoring Box Demo

**11:00am**

Water-OR-Wastewater Districted Driving & Securing HAZMAT Materials Demo  
Water-OR-Wastewater Poly Pipe Butt Fusion Equipment Demo

**11:30am**

Exhibitor Demo Networking

**12:00pm**

**Barbeque Lunch (Provided) & Door Prizes**

**1:00pm**

Water-OR-Wastewater Commercial Vehicle Inspection Demo  
Water-OR-Wastewater New Products for Correlator, Leak Detection, and Cable Pipe Locators Demo  
Wastewater AFTM Certified Cured in Place T-Liner Connection Demo

**1:30pm**

Water-OR-Wastewater Pit Pumps, Hydraulic Packs, Hose & Hose Fittings Demo  
Wastewater No-Dig Manhole Restoration With Use of Mono-Form Technology Demo

**2:00pm**

Water Valve Insertion Demo  
Wastewater Microscopic Wastewater Identification Demo

**2:30pm**

Water The Future of Water Metering Demo  
Wastewater Camera Types: Pipeline Inspection Cameras and Best Practices Demo

**3:00pm**

Water-OR-Wastewater Fire Hydrant & Flow Testing Data Equipment Demo  
Wastewater Flygt Low Pressure Pump Demo

**3:30pm**

**Wrap Up & Door Prizes**

**Up to 6 certification water and/or wastewater hours offered for full-day attendance (or a combination of the two).**

**Expo T-Shirt Included With Each Expo Registration**

# MRWA OPERATOR EQUIPMENT EXPO

## 2015 EXPO Registration Form

### Pre-Registration

System or Organization:

First Name:

Last Name:

Address:

City:

State:

Zip:

Phone:

Fax:

E-mail address:

You can also register online at: [www.mrwa.com](http://www.mrwa.com)

**Full Registration includes access to all sessions, demonstrations, expo t-shirt, contests, and luncheon on September 23.**

Check one:

Postmarked prior to  
September 15, 2015

On-Site Registration

\_\_\_\_\_ MRWA Member:

\$125.00 (per person)

\$150.00 (per person)

\_\_\_\_\_ Non-Member:

\$150.00 (per person)

\$175.00 (per person)

\_\_\_\_\_ Grand Total Due

**Cancellation policy: Fees will be refunded if written request is received prior to September 15, 2015.**

**Please send your registration form with payment by September 15, 2015 to:**

Minnesota Rural Water Association

217 12th Ave SE

Elbow Lake, MN 56531

E-mail: [mrwa@mrwa.com](mailto:mrwa@mrwa.com)

Web: [www.mrwa.com](http://www.mrwa.com)



**Questions?** Please call (800) 367-6792

MRWA handles credit card payments online!

MRWA accepts VISA, MasterCard, American Express, Discover, and eCheck.

To complete your payment online, go to [www.mrwa.com](http://www.mrwa.com) and click on the 'pay now' icon on our home page.

Thank you!



Minnesota Rural Water Association  
217 12th Avenue SE  
Elbow Lake, MN 56531

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Minnesota Rural Water Association has a You Tube channel for our members and operations specialists. You can view past training

sessions from our technical conferences, find out more about MRWA, WHP Consultant webinars, and view videos on our corporate sponsors. Over the next several months, MRWA will be adding videos from our Expo and videos from the field. Log on to [YouTube.com](http://YouTube.com), search Minnesota Rural Water Association, subscribe, and start watching today!



## USDA RD - Loan Rates Announced

Interest rates for USDA RD water and wastewater loans—issued quarterly at three different levels: the poverty line rate, the intermediate rate and the market rate— have been announced. The rate applied to a particular project depends on community income and the type of project being funded.

The most recent rates announced are: poverty line: 2.125%; intermediate: 2.875%; and market: 3.625%.

For the poverty line rate, 2 criteria must be met: 1) the loan must primarily be used for facilities required to meet health and sanitary standards and 2) the median household income of the area being served must be below 80% of the state's non-metropolitan median income or fall below the federal poverty level of \$23,850 for a family of four (excluding Alaska and Hawaii). For the intermediate rate, the service area's median household income cannot exceed 100% of the state's non-metropolitan median income. The market rate is applied to projects that don't qualify for either the poverty or intermediate rates. The market rate is based on the average of the Bond Buyer index.

Loans are administered through the Minnesota USDA Rural Development offices, which can provide specific information concerning loan requirements and applications procedures. View a listing of Minnesota USDA RD state offices in Minnesota Rural Water Association's *Membership Directory* found online at: [www.mrwa.com](http://www.mrwa.com).