

MRWA 39th Annual Water & Wastewater



TECHNICAL CONFERENCE

March 7-9, 2023 - River's Edge Convention Center
St. Cloud, MN - Agenda



Tuesday, March 7, 2023

- 8:15am** Color Guard Ceremony
- 8:30am** Opening Session: Quality on Tap! Our Commitment, Our Profession
- 8:45am** Introduction of MRWA Diamond Plus, Diamond, Ruby, & Emerald Corporate Partners
- 9:00am** MDH, MPCA, & Legislative Updates
- 10:30am** Exhibit Hall Opens - Enjoy the latest innovations, technology, and new products in the industry!
- 11:45am** Luncheon

Concurrent Mini-Sessions Begin (3 tracks)

	Water/Wastewater Track	Booth Demonstrations	Groundwater/WHP Protection Track
1:00pm	Backflow Prevention	Hydrant Operation & Maintenance	Benefits of Solar for Protecting Drinking Water
1:30pm	Water Treatment Optimization	Trench Safety	Wellhead Protection Rule Update
2:00pm	Smart Gateway: Going Beyond the Meter	Televising Sewer Lines	Funding Sources for Protecting Drinking Water
2:30pm	Balancing Water Use Demands	PFAS Cost Recovery Program	Mapping Aggregate Resources in MN: Usage, Trends, and Tools for the Public
3:00pm	WW Maintenance Structure Lining	Pump Demonstrations	The Good, the Bad and the Ugly with Identifying Old Wells
3:30pm	Wastewater Sludge Management	Mixer & Pressure Relief Valve Show & Tell	What's in Your Water? MDH Initiatives

- 4:00pm** Refreshments, Door Prizes, Exhibitor Gift - Last Chance to Tour Exhibit Hall!
- 5:00pm** Exhibit Hall Closes - Meet and Greet and Sports Raffle Begin in Glenn Carlson Hall

2023 Grand Prizes: A DREAM OUTDOORS PRIZE PACKAGE & AN ULTIMATE ICE FISHING PRIZE PACKAGE

Thank you, Team Lab & Hawkins, for Donating to MRWA's Sports Raffle!



TEAM LAB
"INNOVATIVE SOLUTIONS"

2023 Sports Raffle Prize: Ice Fishing Package donated by Team Lab!



2023 DREAM OUTDOORS PACKAGE



Donated by Hawkins, Inc. & MRWA!





- 8:15am** Leaders in the Industry: NRWA & MRWA We Work For YOU! Awards & Poster Contest
- 8:45am** Keynote Speaker- Joe Schmit
- 9:45am** Taste Test Contest

Concurrent Sessions Begin

Water Operation & Maintenance Session

- 10:00am** No Sweat: Aerogel-Infused Thermal Insulating Coatings for Condensation Control
- 11:00am** Advances in Meter Technology
- 12:00pm** Luncheon & Door Prizes
- 1:00pm** Optimizing Iron & Manganese Filtration
- 2:00pm** When Sip Happens
- 3:00pm** Catch Leaks Before They Catch You
- 4:00pm** Basic Lab Tips & Tricks

Wastewater Mechanical Operation & Maintenance Session

- 10:00am** Leveraging Artificial Intelligence to Streamline Design In Wastewater Systems
- 11:00am** Biological Process Control
- 12:00pm** Luncheon & Door Prizes
- 1:00pm** Why Have My Chemical Treatment Costs Increased
- 2:00pm** Wastewater Network Security
- 3:00pm** Calibrations for Your System
- 4:00pm** Wastewater Cybersecurity

Wastewater Collections/Ponds Operation & Maintenance Session

- 10:00am** How to Remove Biosolids Through BioAugmentation
- 11:00am** Conditioning Wastewater for Effective Pumping
- 12:00pm** Luncheon & Door Prizes
- 1:00pm** Lift Station Maintenance & Controls
- 2:00pm** Manhole Rehabilitation & Poly Pigging
- 3:00pm** Mississippi River Forcemain Crossing
- 4:00pm** Pond Optimization Program Update

Management Session

- 10:00am** Getting the Lead Out - LSL Inventories Made Easy
- 11:00am** Planning Long-Term Infrastructures Needs
- 12:00pm** Luncheon & Door Prizes
- 1:00pm** Using GIS to Inventory Water Services
- 2:00pm** Implementing True Asset Management in a Utility
- 3:00pm** LCRR Inventory/Overview
- 4:00pm** LCRR Funding

Groundwater Session

- 10:00am** Hydrogeology of Minnesota: A Tour of Minnesota's Aquifers
- 11:00am** Minnesota's Extreme Weather & Its Impact On Drinking Water
- 12:00pm** Luncheon & Door Prizes
- 1:00pm** Per-and Polyfluoroalkyl Substances (PFAS) Facts, Findings & Funding
- 2:00pm** Work Smarter, Not Harder. Wellhead Protection Implementation Panel
- 3:00pm** Saving Our Water Supplies - One Forest at a Time

Wednesday, March 8, 2023

Session Time: 8:00am - 12:00pm

Class E Small Water Systems Session

(Non Transient, Non Community and Non Municipal)

Topics covered include:

**Water Sampling for Small Systems
Lead & Copper Revised Rule
Source Water Protection Plans & Grants
Groundwater Wells**

4 water certification hours awarded for attendance.

Ultimate Fishing Package
donated by Team Lab!



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DREAM Outdoors Package
donated by Hawkins!



HAWKINS

Exam Refresher Sessions

These sessions will run 10:00am - 5:00pm

- 10:00am** A&B Water Certification Exam Refresher
C&D Water Certification Exam Refresher
- 10:00am** A&B Wastewater Certification Exam Refresher
C&D Wastewater Certification Exam Refresher



**Keynote Speaker:
Joe Schmit**



8:30am
Water & Wastewater Exams Given
Grand Ballroom & University A & B, Kelly Inn

Concurrent Sessions Begin:

8:30am - 9:15am
Water Track - Herberger Suite, Upstairs River's Edge
Locating & GPS Data

WW Track - Stockinger Suite, Upstairs River's Edge
PFAS and Wastewater Biosolids

9:15am - 10:00am
Water Track - Herberger Suite, Upstairs River's Edge
Infrastructure and the History of Meter Reading

WW Track - Stockinger Suite, Upstairs River's Edge
Lab Applications

10:00am - Break

10:15am - 11:00am
Water Track - Herberger Suite, Upstairs River's Edge
Water Distribution Project Design to End

WW Track - Stockinger Suite, Upstairs River's Edge
Advances in Trenchless Technologies

11:00am - 11:45am
Water Track - Herberger Suite, Upstairs River's Edge
Impacts of Biological Activity on Iron and Manganese Filtration

WW Track - Stockinger Suite, Upstairs River's Edge
Air Release Valves 101

11:45am
Wrap-up and Drawings - Herberger Suite,
Upstairs River's Edge

Must be present to win!

12:45pm
MRWA Annual Meeting - University A, Kelly Inn (past lobby)

Exam Refresher Session Offered at Technical Conference

The Minnesota Rural Water Association will be sponsoring an Exam Refresher Session on Wednesday, March 8, 2023, as part of the MRWA Technical Conference. The exam refresher session will give the attendee an opportunity to review information that will be part of the certification testing. **The certification test will be given Thursday, March 9, 2023, at 8:30am.**

- YES, I will be attending the **A&B WATER Exam Refresher**, March 8, 2023, from 10:00am - 5:00pm.
- YES, I will be attending the **C&D WATER Exam Refresher**, March 8, 2023, from 10:00am - 5:00pm.
- YES, I will be attending the **A&B WASTEWATER Exam Refresher**, March 8, 2023, from 10:00am - 5:00pm.
- YES, I will be attending the **C&D WASTEWATER Exam Refresher**, March 8, 2023, from 10:00am - 5:00pm.
- YES, I will be attending the entire Technical Conference.

(If not, please fill out the registration information below)

- Yes, Please send me an exam application - circle one: WATER or WASTEWATER
- Yes, Please send me a Minnesota Department of Health **CLASS D WATER** Study Guide.

There is no charge for this session if you are attending the Technical Conference (See Technical Conference registration form.) If you are **NOT** attending the Technical Conference, there is a fee of \$150.00 for the Exam Refresher Session. The following registration is required.

WEDNESDAY EXAM REFRESHER ONLY: Includes Refresher Class & Luncheon - \$150.00

Please make check payable to Minnesota Rural Water Association or pay online at: www.mrwa.com ("Make a Payment" at top of page.)

Name (please print) _____

Address _____

City _____ State _____ Zip _____

Employer _____

E-mail: _____

If you have any questions, call 800-367-6792, or e-mail: mrwa@mrwa.com. Register online at www.mrwa.com

***You MUST fill out and mail an exam application to the Minnesota Department of Health (Water Exam) OR the Minnesota Pollution Control Agency (Wastewater Exam) 15 days prior to the exam date.** The exam fee, payable to MDH is \$32.00 and to MPCA is \$55.00. Exam applications can be downloaded at: <https://www.mrwa.com/training/trainingcalendar/>.