

REGISTRATION

Please print or type

Name _____

Title _____

Representing _____

Address _____

City _____

State _____ Zip _____

Telephone _____

Fax _____

E-mail _____

(Please Provide Name of Each Registrant)

Check one:

October 24, 2018—St. Cloud

Member: \$125.00 _____

Non-Member: \$150.00 _____

Send completed form by October 19, 2018 to:

Minnesota Rural Water Association
217 12th Avenue SE
Elbow Lake, MN 56531
800-367-6792
218-685-5272 (FAX)

PRE-REGISTRATION IS REQUIRED!

Space is limited so please register early!

Refund policy: Full refund will not be given unless MRWA is notified 48 hours in advance. Partial credit allowance on medical or snow removal emergency only will be considered on a case by case basis.

Fighting Winter's Wrath....

WINTERIZING YOUR WATER SYSTEM

Training Session



**Minnesota Rural
Water Association**



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

Winterizing Your Water System Training Session

6 certification hours awarded

Properly maintaining storage tanks is vital to successful year-round operations. But when the cold weather blows in for the winter months, municipal water managers must address additional concerns to guard against potential ice damage.

Below freezing temperatures can cause major problems. But these can be prevented or at least caught early—before significant damage occurs.



Ice forming on a water storage tank is a serious issue for a number of reasons. When ice builds up inside your tank, it damages the interior coating and appurtenances, as well as possible structural damage. Since ice has a higher volume than water, it can cause pipes or tank seams to rupture.

AN OUNCE OF PREVENTION...learn the reasons why some water storage tanks freeze when winter hits hard. Learn how to adjust control system operation for proper circulation. Learn how to adjust valves to eliminate overflows and the latest technologies in line thawing and distribution repair.

Program Agenda

- 8:00am **Introductions and Changes During the Winter Season**
Kurt Haakinson, Minnesota Rural Water Association
- 8:30am **Distribution Care in the Winter Time**
How to take preventative measures to insure your water system is ready for the cold. From hydrants to valves and mains.
- 9:30am **New Technology For Your Storage Tanks**
Water circulation in your reservoir and new technology to keep your water from freezing.
- 10:30am **Water Tower Care in Sub-Zero Weather**
Learn how to prevent ice damage and save your system costly repairs down the road.
- 11:30pm **LUNCH (Provided)**
- 12:30pm **New Technologies for Keeping Your System Operating in the Winter Time**
Keep up with the latest and best ways to deal with the cold.
- 1:30pm **Water Chemistry in the Winter**
Learn how your water treatment and distribution system can change depending on the temperature. Are you ready to adjust your treatment?
- 2:30pm **SCADA Issues in the Winter in Northern Climates**
Is your SCADA system ready for cold weather? Get all the latest information on how to maximize your systems SCADA performance.

3:30pm **Round Table Discussion**
Cold weather discussion and freeze prevention techniques.

4:00pm **End of Day**

SPEAKERS: AE2S; CORE & MAIN; Hawkins; KLM Engineering; Medora Corp., SolarBee/GridBee; Mueller Company; & Minnesota Rural Water Association

Date and Location

**October 24, 2018: St. Cloud
Best Western Kelly Inn,
100 4th Avenue S., St. Cloud, MN
Phone: (320) 253-0606 (for hotel
reservations)**

Sponsored by MRWA Corporate Partners:

Diamond Plus Level: CORE & MAIN

Diamond Level: Copperhead; Kodru-Mooney

Ruby Level: Adaptor, Inc.; AE2S; Apex Engineering Group; Bolton & Menk, Inc.; Calibrations and Controls, Inc. (a subsidiary of First Systems Technology, Inc.); Dakota Supply Group; Hawkins Water Treatment Group, Inc.; HR Green, Inc.; HydroCorp, Inc.; Jasper Engineering & Equipment Co.; KLM Engineering, Inc.; Moore Engineering, Inc.; Team Laboratory Chemical Corp.; Ulteig Engineers, Inc.; VEGA Americas, Inc.

Emerald Level: Bollig, Inc.; DC Braun Company; Electric Pump; Flexible Pipe Tool Company; Flow Measurement & Control; Hydro-Klean, LLC; KLJ; MacQueen Equipment; Metering & Technology Solutions; MSA Professional Services, Inc.; Quam; Raymond James; Sensus USA; Short Elliot Hendrickson, Inc.; Visu-Sewer Inc.; Water Conservation Services, Inc.; Widseth Smith Nolting; WSB; WSP USA