

From: [Lori Blair](#)
To: [Lori Blair](#)
Subject: E-Source News from Minnesota Rural Water Association
Date: Monday, July 16, 2012 4:17:25 PM

E-SOURCE SMALL SYSTEMS BULLETIN

MINNESOTA RURAL WATER ASSOCIATION - July 2012

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Take a short quiz and test your knowledge of Small Systems.

Dear Lori,

Welcome to the *E-Source: News and Training Information for Small Systems*. The purpose of this bulletin is to keep you, the operator of a small water system, informed on issues concerning your water system. Topics covered in the bulletin will include: operation and maintenance, treatment, backflow/cross-connections, regulations, operator training, management, and many others. Dates and locations of future workshops will also be included.

If you have suggestions about topics that you would find helpful give us a call at 1-800-367-6792 or send us an e-mail at don.christianson@mrwa.com or jennifer.koenig@mrwa.com. Maybe you had a unique experience at your water system that you would like to write about and submit for the bulletin. We're always looking for volunteer writers! We hope this bulletin will be of assistance to you in operating your water system. Watch for this quarterly newsletter and we'll see you at a future small system training workshop!

Water Softening for Small Water Systems

By Jennifer Koenig



Most water softening at small systems is accomplished with an ion exchange unit (water softener) that removes hardness from water. Water softeners are typically installed to treat all or much of the water supply in a building. Dissolved calcium and magnesium cause hardness in water. An ion exchange unit uses a resin that exchanges sodium ions for calcium and magnesium ions as the water passes through. A brine (salt) tank provides the ion exchange unit the sodium required to regenerate the resin bed on a periodic basis. [Read More....](#)

Water Operator Training Reminder:

During the year, we offer many water operator training sessions

across Minnesota. Please remember to pre-register for the training session you plan to attend. It helps us plan for the training session prior to the date and also allows us to contact you should there be a change in the training date or location. We have had to cancel training sessions in the past.

To register for an MRWA Training session, please call the office at 800-367-6792 or visit our Web site www.mrwa.com and click on the "Training Calendar" link on the left side of the home page. Once you are on the "Training Calendar" page, just click on the date of the training class you plan to attend and complete the required information. *Thank you!!*

Upcoming Training Sessions

Class E Training (8am - Noon)

August 9, 2012

Minnesota Department of Health
705 5th Street NW, Suite A, Bemidji, MN

August 23, 2012

St. Cloud Technical and Community College
1540 Northway Drive, St. Cloud, MN

October 3, 2012

Cloquet Forestry Center
175 University Road, Cloquet, MN

November 20, 2012

Minnesota Department of Health
18 Wood Lake Drive SE, Rochester, MN

December 11, 2012

Hutchinson Armory
1200 Adams St SE, Hutchinson, MN

Class D Training (8am - 5pm)

October 9, 2012

Connexus Energy
14601 Ramsey Blvd, Ramsey, MN

October 16, 2012

Scott County Public Works
600 County Trail West, Shakopee, MN

Class E operators may attend the morning session of the Class D workshops for 4 credit hours.

Congratulations to the following Nonmunicipal and Nontransient operators for passing the Class C and Class D Water Operator Exams!

Class C

Sam Crowley - Bluefin Bay Resort
Henry Stocker - Hazelden
Brian Whitcomb - Olmsted Co. Waste-to-Energy

Class D

Larry Hickman - Bluefin Bay Resort
Paul Baier - Chippewa Valley Ethanol Company
Craig Larson - Clearwater Forest Resort Community
Vernard Hillesheim - Del Monte Corporation
Richard Duffney - Faith Free Lutheran Church & School
Duane Johnson - Flom
Valentyna Babenko - Guardian Energy
David Roach - Hazelden
Michael Lorenzen - Heron Lake Bioenergy, LLC
Dan Forrester - I.F.P., Inc.
Jeff Nustad - Lakes Medi-Van, Inc.
Ronald Perrault - MN Correctional Facility - Lino Lakes
Neil Schanus - MN Correctional Facility - Moose Lake
Darryl Stephens - MN Correctional Facility - Faribault
Leslie McElmury - Saint Mary's University
Michael Barnholtz - Saint Mary's University
Armand Mayoue - SJE-Rhombus
Steven Grounds - Temple-Inland
Stephen Polson - Temple-Inland
Josh Koehnen - Titan Machinery
Ronald Scheffler - Titan Machinery
Russell Harris - Triple J Family Farms, LLC
Michael Walderon - USG Interiors, Inc.

Sincerely,

Don Christianson & Jennifer Koenig
Minnesota Rural Water Association

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