

From: Lori Blair <lori.blair@mrwa.com>
Sent: Thursday, April 6, 2017 3:12 PM
To: Lori Blair
Subject: Small Systems Bulletin from Minnesota Rural Water Association

SMALL SYSTEMS BULLETIN

MINNESOTA RURAL WATER ASSOCIATION

-April 2017-

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Dear Lori,

Welcome to this edition of the *Small Systems Bulletin*. The purpose of this bulletin is to keep you informed on issues concerning your water system. We issue this bulletin quarterly. Topics covered in the bulletin include: operation and maintenance, treatment, backflow/cross-connections, regulations, operator training, management, and many others. Dates and locations of future workshops are included.



If you have suggestions about topics that you would find helpful give us a call at 800-367-6792 or send us an email at kyle.kedrowski@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!***

"Flowing" Artesian Wells in Minnesota

Source: Minnesota Department of Health, Well Management Section

"Artesian Wells", are wells that are completed in aquifers that contain groundwater that is under sufficient pressure such that water rises in the well above the top of the aquifer. Such aquifers are termed "artesian aquifers." Artesian aquifers are typically located below an overlying,



geologic layer which confines, and exerts pressure on the underlying groundwater. The level to which water will rise in a well completed in an artesian aquifer is called the piezometric surface. [Read more>>>](#)

The QUIZ SPOT

1. Chemicals added to a groundwater supply should be added:

- a. After the check valve.
- b. Before the screen.
- c. After elevated storage.
- d. Near the meter.

2. Which type of backflow prevention device is used for a direct connection between two separate potable water systems?

- a. Reduced pressure zone backflow preventer.
- b. Pressure-type vacuum breaker.
- c. Atmospheric vacuum breaker.
- d. Double check valve.

3. Why should a chlorine feed pump be placed lower than the chlorine level in the tank?

- a. It was installed that way.
- b. Chlorine will last longer.
- c. To prevent over-feeding chlorine.
- d. So the pump won't lose its prime.

answers: 1-a, 2-d, 3-d

YOU MUST PRE-REGISTER FOR THESE CLASSES:

To register: Call our office at: 800-367-6792 - OR - Online at: www.mrwa.com



**All Class D & E training sessions are subject to cancellation because of low attendance.*

4 certification hours awarded for Class E training for full attendance and 8 certification hours awarded for Class D training for full attendance.

Upcoming Training Sessions

Class E Training (8am - Noon)

April 26, 2017 -

Cohasset City Hall

305 Northwest 1st Avenue, Cohasset, MN

May 2, 2017 -

Willmar Fire Department

515 2nd Street SW, Willmar, MN

May 9, 2017 -

Minnesota Department of Health,

18 Wood Lake Drive SE, Rochester, MN

Class D Training (8am - 5pm)

TBD

Sincerely,

Kyle Kedrowski & Jennifer Koenig

Minnesota Rural Water Association

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

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