

High Hazard Cross Connections— Significant Deficiencies



In response to the federal Safe Drinking Water Act Ground Water Rule (GWR) and recent incidents in Minnesota, the Minnesota Department of Health (MDH) has adopted high-hazard cross connections that are not adequately protected as a Significant Deficiency (SD) for all Community Public Water Systems (CPWSs).

For the purposes of CPWS Unit program implementation, SDs will be defined as high-hazard cross connections that would require a Reduced Pressure Zone (RPZ) backflow preventer or air gap. However, CPWSs can adopt a more comprehensive approach, addressing all cross connections as part of a cross connection control program.

July 1, 2011-December 31, 2012

MDH will notify CPWSs that suspect or known inadequately protected high-hazard cross connections will need to be identified in their next Sanitary Survey.

Starting January 1, 2013

It is expected that CPWSs will be continuously building a documented inventory of high-hazard cross connections. While doing so, the most immediate priority should be given to identifying inadequately protected high-hazard cross connections in these locations:

- RPZ backflow preventer in inappropriate location or lacking testing;
- Waste and/or reclaimed water pipes and handling facilities, i.e. wastewater treatment plants;
- Chemical dispensers and/or feed lines, i.e. licensed food, beverage, and lodging establishments, and food processing facilities;
- Car wash pump feed lines;
- Health care facilities and providers and funeral parlors, i.e. air conditioning, fire protection, hazardous waste systems.

CPWSs will be asked at each Sanitary Survey if they suspect or know of any inadequately protected high-hazard cross connections in their distribution system.

If the answer is “Yes” and the CPWA has not taken action to address the cross-connection, the CPWS must identify the location(s) and submit a Corrective Action plan within 120 days to address the cross-connection(s).

Learn more at the training session.



Cross Connection Control Training

Ensuring Safe Drinking Water



INVITATION & REGISTRATION:
Water Supply Professionals
2 Locations to Choose From

About

Overview: Cross Connections

This class is designed to educate Water Utility staff members involved with a Cross Connection Control (CCC) Program and inspections. 6 hour technical session includes detailed review of the basic components of a Comprehensive CCC Program and other local requirements for compliance.



Understanding the relevant rules and regulations which shape a Cross Connection Program is essential.

***For more info on what a Cross Connection is, visit:*

www.hydrocorpinc.com/resources/fag

Objective:

To provide the student with a better understanding of methods and resources available to enable a *Cost Effective* Cross Connection Control Program for small and large public water supply systems.

Instructors:

Gary McLaren—CCC Surveyor / CCC Program Advisor -HydroCorp Inc;
Karla Peterson / Kim Larsen—
Minnesota Department of Health

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Safe Drinking Water is our Goal!

INVITATION: Water Systems

Agenda

Complete Schedule: 8AM - 3PM



A. Introduction to Backflow Prevention -

Backflow/Cross Connections
Backpressure/Back-siphonage
Handout Review

B. Fundamentals of Backflow -

Type of Cross Connections
--High & Low Hazard
How/Why Cross Connections Happen
Backflow Prevention & Handout Review

C. Methods of Preventing Backflow -

Devices & Approved Assemblies
Testable Type vs. Non-Testable
Correct Applications of
Protection & Handout Review

12PM—Lunch Provided

D. Regulations and Code Overview -

Changes in State Plumbing Codes
ASSE Standards
Handout Review

E. Surveying and Corrective Action -

Identifying Cross Connections
Documenting Inspections
Who is Qualified to Conduct
Inspections?
Enforcing Corrective Action
Hands-on Exercises

F. Components of a Comprehensive Program

Program Resources - Avoid
Reinventing the Wheel
Data Management & Recordkeeping
Challenges from Water Customers

G. MDH Requirements & Recommendations-

Overview of Program Options
Best Practices by Successful Programs

Register

Please print or type—(Provide Name of Each Registrant)

Name _____

Title _____

Representing _____

Address _____

City _____

State _____ Zip _____

Telephone _____

Fax _____

E-mail _____

2 Locations to Choose From

October 17, 2018

**Best Western Plus New Ulm,
2101 S. Broadway Street,
New Ulm, MN**

October 18, 2018

**Best Western Kelly Inn,
100 4th Ave. S., St. Cloud, MN**

Check One:

Member: \$125.00 _____

Non-Member: \$150.00 _____

Mail completed form by October 12, 2018

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

PRE-REGISTRATION IS REQUIRED!

Or Call MRWA -800-367-6792