

Did you know?

The Safe Drinking Water Act of 1974 established national standards for drinking water quality. State, local governments and water utilities are charged with enforcing and maintaining these standards to protect the public water supply. Yet, cross connections can contaminate the drinking water supply without anyone realizing it.

What is a Cross Connection?

A cross connection is a “link,” or a direct or potential connection between drinking water piping and a contamination source. This can be as simple as a garden hose end that is submerged in a swimming pool, a bucket of detergent or other contaminated water source. Other examples of cross connections are supply lines connected to boilers, lawn irrigation systems, cafeteria equipment, process equipment and bottom-fed tanks.

Under certain conditions, cross connections can allow potentially contaminated water to flow backward through the piping system and contaminate the drinking water supply. This is called backflow and it is caused by two types of pressure changes: back-siphonage and backpressure.

By working together and sharing knowledge we can all help eliminate Cross Connections and backflow hazards connected to our drinking water supply systems.

**CEU's : 6 Technical Water Hours and
6 General Wastewater Hours**

555 W. Jefferson St.
PO Box 789
Franklin, IN 46131
888-937-4992



Cross Connection Control Training



Ensuring Safe Drinking Water

About

Overview: Cross Connections

This six hour class is designed to educate Public Water System Professionals on the basic components of Cross Connection Control (CCC) Program and methods to prevent Backflow.

Understanding the relevant rules and regulations related to Cross Connection (CCC) Program and backflow prevention is essential to providing safe drinking water. A cost-effective CCC Program relies on accurate and consistent documentation of each backflow prevention device or method. Code references will be clarified and how to make corrective action requirements will be explained for addressing common Cross Connections.

Objective:

To provide the student with a better understanding of methods and resources that are available to implement a *Cost Effective* Cross Connection Control Program and how to handle non compliant water customers.

Instructors:



Gary McLaren-
CCC Surveyor/ CCC Program Advisor
Hydro Designs Inc.

Since 2005, Gary has conducted over 3,000 cross connection inspections and assisted in the development of over 50 newly implemented municipal cross connection control programs. Over the past 3 years, he has also coordinated and led 40 classes on cross connections with the Wisconsin Rural Water Association.

Agenda

Complete Schedule: 9AM - 4PM

A. Theory and Actual Backflow -

An Inherent Hydraulic Problem
Real Cross Connection Accidents
Backpressure vs Back-Siphonage
Handout Review

B. Fundamentals of Backflow Prevention

Types of Cross-Connections
Understanding Backflow
How & Why Cross-Connections Happen
Backflow Prevention Methods
Handout Review

C. Regulations and Code Overview -

State Regulations
Plumbing Code
ASSE Approval Standard
Handout Review

D. Devices for Preventing Backflow -

Devices & Approved Assemblies
Testing Backflow Assemblies
Mechanical Backflow Preventers
Alternative Methods
Handout Review

E. Cross Connection Control Programs

The Model CCC Program
Local Ordinances
Record Keeping
Risk & Liability

F. On - Site Inspections & review -

Field Forms
Hands-On Exercises
Enforcing Local Compliance
Open Discussion & Review



Sign - Up

*Pre-Registration Is Required

Cost is \$110 member / \$135 non-member

Locations: (Circle your choice)

Angola, IN

March 1, 2012

- Potawatomi Inn - 6 Lane 100A Lake James

Crown Point, IN

April 3, 2012

- City Hall - 101 N. East St.

Bourbon, IN

June 5, 2012

- Senior Activity Center - 805 N. Harris St.

System / Utility Name

Address

City, ST Zip

Email

Phone

Name

Name

Name

Quantity _____ Total: _____

_____ X \$110 Member _____

_____ X \$135 Non-Member _____

Method of Payment

Check _____ Exp. Date _____

Send Invoice _____

Visa _____ Billing Zip _____

MasterCard _____
Signature _____

Register online - www.inh2o.org