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Michigan Rural Water Association  
2127 University Park Drive Ste 340  
Okemos MI 48864

*Michigan Rural Water Association Presents*

# **IMPLEMENTING A RESIDENTIAL CROSS CONNECTION CONTROL PLAN**

March 1, 2023  
HESCO  
29770 Hudson Dr  
Novi, MI 48377

April 12, 2023  
City of Warren Water Division Bldg  
12821 Stephens Rd.  
Warren, MI 48089

April 13, 2023  
Comfort Inn & Suites  
2424 South Mission St  
Mt. Pleasant, MI 48858

Instructor:  
Paul Patterson, HydroCorp

0.6 CECs Water, Managerial



# IMPLEMENTING A RESIDENTIAL CROSS CONNECTION CONTROL PLAN

**Class Overview:** This class is designed to educate Water Utility staff members involved with a Residential Cross Connection (CCC) Program and assist in improving cost efficiencies. This 6-hour session includes a detailed review of the basic components of a MI DEQ compliant CCC Program and includes a cross connection control packet with code resources. Understanding the relevant rules and regulations, which shape a Cross Connections Program, is essential. A cost-effective CCC Survey process 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 common Residential type Cross Connections. Tracking program activities and data will be discussed as well as press releases and public education materials.

**Objective:** Provide a better understanding of methods and resources available to enable effective Residential Cross Connection Inspections and Surveys.

## Agenda

7:30 am - Registration

0.6 CECs Water, Managerial

### 8:00 am – 9:00 am A. Introduction to Backflow Prevention

- ◆ Backflow/Cross-Connections
- ◆ Contaminant/Pollutant
- ◆ Backpressure/Back-Siphonage
- ◆ How/Why Cross Connections happen

### 9:00 am – 10:00 am B. Regulations and Code Overview

- ◆ CCC Program Components
- ◆ Relevant Plumbing Code
- ◆ Devices & Approved Assemblies
- ◆ Handout Review

10:00 am – 10:15 am – break

### 10:15 am – 11:15 am C. Setting up a Residential CCC Program

- ◆ Boards/Council/Commissions
- ◆ Education & Awareness
- ◆ The local CCC Ordinance

### 11:15 am to 12:15 pm D. Avoiding Paperwork Pains

- ◆ Notifying the Residents
- ◆ Standardized procedures
- ◆ Tracking data and compliance

12:15 pm – 12:45 pm - Lunch

### 12:45 pm – 1:45 pm E. Conducting Cross Connection Surveys

- ◆ Common household cross connections
- ◆ Assessing plumbing connections
- ◆ Corrective action requirements
- ◆ Enforcing the CCC Ordinance

1:45 pm – 2:00 pm – Break

### 2:00 pm – 3:00 pm F. Class Exercises

- ◆ Photo review Q & A
- ◆ Cross Connection Scenario
- ◆ Group Discussion & Next Step Resources

## Implementing A Residential Cross Connection Control Plan

Please select which class you will attend

\_\_\_\_ March 1, 2023, Novi

\_\_\_\_ April 12, 2023, Warren

\_\_\_\_ April 13, 2023, Mount Pleasant

Member: \$165 per attendee Non-Member: \$215 per attendee

**WAYS TO REGISTER:** Website: [www.mrwa.net](http://www.mrwa.net)

Email: [training@mrwa.net](mailto:training@mrwa.net) Fax: 517-657-2417

Mail: MRWA, 2127 University Park Drive, Ste 340, Okemos, MI 48864

**Attendee cell phone and email address are required.**

**Registration will not be processed without this info.**

ATTENDEE Name:
Employer:
Address:
City/State/ZIP:
<b>ATTENDEE CELL Phone:</b>
<b>ATTENDEE Email:</b>
Name & phone of person completing form:
Send and invoice: ____ Charge my credit card info below: ____
Visa ____ Mastercard ____ Discover ____ Card number:
Expiration date: _____ CSC code: _____
Name on card:
Card Billing address:
Email address to send receipt to:

**Payment/Cancellation Policy:** Payment is expected prior to class. Cancellations must be requested at least 3 business days prior to the start of the class or your registration fee will be forfeited. If you cancel least 3 business days prior to the start of class, the full amount may be refunded. You may send a substitute attendee.