

## RESOLUTION 5-2010

### A RESOLUTION ADOPTING THE COLORADO CITY METROPOLITAN DISTRICT CROSS CONTROL CONNECTION PROGRAM.

**WHEREAS**, a Cross Control Connection Program for the Colorado City Metropolitan District should be adopted to protect the distribution system; and

**WHEREAS**, the Colorado Primary Drinking Water Regulations, Article 12, places full responsibility on water suppliers to protect their water systems, it is in the best interest of the Colorado City Metropolitan District to establish a Cross Connection Control Program.

### NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE COLORADO CITY METROPOLITAN DISTRICT:

That the following Cross Connection Control Program is hereby approved and adopted:

#### **Introduction:**

This Policy addresses Article 12 of the Colorado Primary Drinking Water Regulations that states a public water system shall have no uncontrolled cross-connections to a pipe, fixture, or supply, any of which contain water not meeting provisions of the drinking water regulations.

A cross-connection is any point in a water distribution system where chemical, biological, or radiological contaminants may come into contact with potable water. During a backflow event, these contaminants can be drawn or pushed back into the potable water system. A backflow prevention device installed at every point of cross-connection prevents contaminated water from entering the potable water distribution system.

Any hazardous cross-connection discovered to be uncontrolled will be corrected within 30 days or the water service will be shut off. The Colorado Department of Public Health and Environment will be informed of the hazardous connection and corrective action being taken.

#### **Identification of Potential Cross-Connections:**

Per Article 12, the Colorado City Metropolitan District's water operator will perform a survey of the public water system on or before August 1, 2010 and identify a list of potentially hazardous cross-connections, prioritized by degree of hazard. From this date forward, any new water service installation will be inspected for compliance with these requirements for backflow prevention.

#### **Public Education:**

The Colorado City Metropolitan District will educate system users about the potential health risk that cross-connections pose, with an emphasis on cross-connections at or within local businesses.

#### **Installation of Devices:**

The Colorado City Metropolitan District will require commercial system users to install and maintain backflow prevention devices on potentially hazardous service connections, as stated in Article 12. All commercial service connections within the water system must comply with Article 12 and the *Colorado Cross-Connection Control Manual*

Each cross-connection may require a different type of backflow prevention device, commensurate with the degree of hazard posed by the cross-connection. Approval for the devices need to be given by the water system operator.

**Annual Testing:**

Article 12 requires that backflow prevention devices be tested annually by a certified backflow prevention technician.

**Record Keeping:**

Testing and maintenance records will be kept for three years, per the requirements of Article 12.

**List of Backflow Prevention Devices:**

The following approved devices can be used for backflow prevention:

- Vacuum breaker
- Double-check valve assembly
- Reduced pressure principal backflow assembly
- Air gap

The Colorado Department of Public Health and Environment accepts the use of backflow preventers that have received approval by either University of Southern California Foundation of Cross-Connection Control and Hydraulic Research or the American Society of Sanitary Engineers (ASSE).

The following is a list of common cross-connections and devices that may be used to prevent backflow:

<b>Type of Cross-Connection</b>	<b>Backflow Prevention Device</b>
Hose bib	Vacuum breaker
Fire sprinkler system; Solar house using potable water as heat Source	Double check valve assembly on water only line. Approved reduced pressure principal backflow assembly on branch lines carrying chemicals.
Photographic processors and developers	Reduced pressure principal backflow assembly
Hot water boilers	Reduced pressure principal backflow Assembly
Water hauler tank filling station	Air gap

**PASSED AND APPROVED** this 13<sup>th</sup> day of July, 2010.

COLORADO CITY METROPOLITAN DISTRICT

  
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 Jacquie Wachob, Chairperson  
 Board of Directors

ATTEST:

  
 Roger Lowe, Secretary