

Parker Water & Sanitation District Cross – Connection Control Program

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 or the water service will be shut off. The Colorado Department of Public Health and Environment will be informed of the hazardous connection and the corrective action being taken.

Identification of Potential Cross-Connections

Per Article 12, Parker Water & Sanitation District performed a survey of the public water system and identified a list of potentially hazardous cross-connections, prioritized by degree of hazard.

Any new water service installation will be inspected for compliance with these requirements for backflow prevention.

Public Education

Parker Water & Sanitation District will educate system users about the potential health risk that cross-connections pose, with an emphasis on cross-connections at or within Commercial sites. Please feel free to visit our website at www.PWSD.ORG

Installation of Devices

Parker Water & Sanitation District requires system users to install and maintain backflow prevention devices on potentially hazardous service connections, as stated in Article 12. All 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 needs 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.

A Certified Tester, at the expense of the property owner, must test in All Commercial Properties Annually. A Certified Tester list is available upon request.

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).