TOWN OF LYONS

Backflow Prevention and Cross-connection Control (BPCCC) Program

Process for conducting surveys:

- The Town of Lyons begins the process by mailing letters to all identified commercial, industrial, and non-single family facilities that are to be surveyed. This letter outlines details on what backflow and cross-connections are. It provides a variety of different scenarios of cross-connection and backflow events. It also informs the customer of regulations, mandated by the State of Colorado, to control these cross-connections and backflow events.
- Following the general letter, a second letter is sent out to a number of these facilities that are to be surveyed. This letter will inform the customer that they will be contacted by the Town of Lyons' BPCCC Program Coordinator to have their facility surveyed for cross-connections and backflow issues.
- The Town of Lyons' BPCCC Coordinator will survey all of a facility's plumbing system and document all, if any, cross-connection or backflow issues. Each issue will be designated a degree of hazard of either low or high. This information will be documented on a site-evaluation form created by the Town of Lyons
    - Note: If the facility has either an air gap or reduced pressure zone backflow prevention assembly to contain the water system after the water meter, a survey will be deemed unnecessary.
- This survey will also be utilized as an opportunity to seek out pre-existing backflow prevention devices, assemblies, and methods.
- After the survey is completed, the Town of Lyons will inform the customer within ten (10) business days, via letter or email, if a backflow prevention device, assembly, or method is needed. The Town of Lyons will provide an explanation as to why each specific backflow preventer was selected. The correspondence will also give a date which the backflow preventer needs to be installed by (120 days from date of the correspondence). It will let the customer know that any backflow preventer installed needs to be inspected and tested upon installation and annually thereafter by a certified backflow preventer tester. Any pre-existing backflow preventers will also need to be tested within the timeframe specified as well.
    - All costs involved will be borne by the Consumer.

Town of Lyons Municipal Code 13-6-80 provides authorized Town staff the legal authority to perform a survey of a customer's property to determine whether a cross connection is present unless the supplier controls all non-single-family residential connections to the public water system with the most protective backflow prevention assembly or backflow prevention method.

Process to select a backflow prevention assembly or backflow prevention method to control a cross connection:

- The Town of Lyons will determine the degree of hazard based on what the customer is providing water to.
- With the degree of hazard determined, the Town of Lyons will select a backflow preventer based on the table below:

	Scenario:			
Assembly/Device/Method	High Hazard Back Pressure	High Hazard Back Siphonage	Low Hazard Back Pressure	Low Hazard Back Siphonage
Reduced Pressure Principal Assembly	**X**	**X**	**X**	**X**
Double Check Valve Assembly			**X**	**X**
Pressure Vacuum Breaker Assembly		**X**		**X**
Spill-resistant Vacuum Breaker Assembly		**X**		**X**
Atmospheric Vacuum Breaker		**X**		**X**
Dual Check Valve Assembly			**X**	**X**
Air Gap	**X**	**X**	**X**	**X**

Town of Lyons Municipal Code 13-6-60 provides the Town of Lyons with the legal authority to install, maintain, test, and inspect backflow prevention assemblies and/or backflow prevention methods and/or require customers to install, maintain, test, and inspect backflow prevention assemblies and/or backflow prevention methods.

Process to track the installation, maintenance, testing, and inspection of all backflow prevention assemblies and backflow prevention methods used to control cross connections.

- The Town of Lyons maintains a spreadsheet record system, hard copy and electronic, to maintain records of surveys, installations, maintenance, testing and inspections.
- These records are to include:

i. Assembly or method type;
ii. Assembly or method location;
iii. Assembly make, model and serial number;
iv. Assembly size;
v. Test date; and,
vi. Test result (pass/fail).

The process the supplier will use to ensure backflow prevention assemblies are tested by a Certified Cross-Connection Control Technician:

- The Town of Lyons will require all testers, who choose to test within its distribution system, to submit the following information to the Town of Lyons:

  i. Certified Cross-Connection Control Technician certification agency;
  ii. Certification number;
  iii. Certification expiration date or statement that certification is current
  iv. Any tester that cannot provide this information is not considered qualified and no tests completed by them will be recognized by the Town of Lyons.