

Dillon Valley District

Backflow Prevention and Cross-connection Control Program

Purpose

This Backflow Prevention and Cross-connection Control Program (BPCCC) outlines how the Dillon Valley District specified below will implement its written BPCCC program and achieve compliance with Colorado Department of Health Regulation 11.

Other potentially applicable backflow prevention and cross-connection control requirements are specified in Article 1-114 and Article 1-114.1 of Title 25 of the Colorado Revised Statutes and in the Colorado Plumbing Code. The Department has developed Safe Drinking Water Program Policy 7 to assist public water systems achieve compliance with Regulation 11.

Public Water System Name & PWSID:	Dillon Valley District CO 0159040	
Public Water System Owner:	Dillon Valley District	
BPCCC Administrative Contact:	Matthew S. Willitts	
Address:	P.O. Box 192	
	Silverthorne, CO 80498	
Email:	mwillitts@wsicolorado.com	
Phone:	970-262-0217	
Signatures of Owner or Administrative Contact:		
Effective Date	Name	Signature
January 1, 2016	Matthew S. Willitts, ORC	

This BPCCC program will include and specify information regarding how this supplier identifies cross connections, performs surveys, and controls identified cross connections. This BPCCC program also address how this supplier will require that backflow prevention assemblies and methods be tested and inspected annually, how this supplier will track the installation, maintenance, and testing of assemblies and methods and how this supplier will ensure that assemblies are tested by a *Certified Cross-Connection control Technician(Regulation 11.37(1)(b))*.

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(i) The Dillon Valley District (DVD) utilized billing records identifying property types supported by Summit County building records to maintain a list of all commercial/industrial, multi-family, and single family customers connected to the water supply of the District. New building permits are utilized to identify new construction and changes to existing structures. The District utilized site visits by operation staff and mailed surveys to formalize the records necessary to track the installation and annual testing of backflow prevention assemblies on all hazardous cross-connections. Installation and annual testing of backflow prevention assemblies is a state requirement to help protect water quality and public health.

(ii) As a Special District under Colorado Statutes, the Dillon Valley District has legal authority to perform a survey of a customer's property to determine whether a cross connection is present per the District Rules and Regulations Adopted August 20, 2015 and any subsequent revisions to the Rules and Regulations. The legal authority per Sections 4.10, 4.11 and 4.12 of the Rules and Regulations is further defined by the Backflow Prevention Policy adopted by the District.

Residential customers with hazards like auxiliary water sources, irrigation systems, or fire suppression systems may be required to install a backflow prevention assembly. At this time, residential customers/homeowners do not have to comply with the BPP requirements unless:

- There is an auxiliary water source on the property;
- There is a dedicated irrigation line tapped off of the water main;
- There is another hazard as identified by the BPP (including the existence of a well on the property);
- There is a fire suppression system.

Retrofits as well as new construction are required to comply. Retrofitting backflow prevention assemblies on fire suppression systems may affect hydraulics and may require a redesign of the fire suppression system.

While a standard home may not pose a significant risk to the community's water quality, homeowners can still contaminate their own internal water systems.

The BPP requirements are not meant to contradict building, fire or plumbing codes, which may require a residence to have a backflow prevention assembly (BFPA). When BFPAs are otherwise required, they must be installed, but will not be tracked by the BPP.

(iii) In accordance with State of Colorado Regulation 11.39 and the Colorado Department of Public Health and Environment, all properties must comply with the state regulation for the installation and annual testing of backflow prevention assemblies (BFPAs).

Contact Dillon Valley District for direction on criteria and/or which BFPAs are required to be installed and tested annually.

Commercial Properties. Unless otherwise permitted by the Backflow Prevention Program all commercial properties must comply with the installation and annual testing of BFPAs.

Defining "Containment". State regulation and the Backflow Prevention Program are, in general, responsible for monitoring the installation and annual testing of "containment" assemblies. To be a true containment assembly, the assembly must be installed after the water meter but prior to any plumbing branches. It is possible that two containment assemblies may be required if branches exist such that a single assembly cannot be used.

Other assemblies may be required inside a property by plumbing code. These other assemblies are called "isolation" assemblies because they isolate internal hazards. The BPP does not track these

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assemblies unless there is a specific need. However, it is strongly recommended that isolation assemblies are tested annually along with containment assemblies as they can keep water inside the property safe for consumption. Plumbing code may allow some points of isolation to be protected by devices (non-testable assemblies) such as dual checks.

If it is determined that a specific isolation assembly is to be tracked, the BPP will require annual testing of both the containment assembly and the specific isolation assembly. If true containment cannot be achieved, the Operator Responsible Charge will determine if isolation assemblies can be tested instead of a single containment assembly. However, whenever possible, containment will be required.

(iv) The Dillon Valley District, per its Rules and Regulations adopted August 20, 2015, clarified by the Backflow Prevention Policy, has legal authority to require customers to install, maintain, test, and inspect backflow prevention assemblies and/or backflow prevention methods. Section 4.12 of the Rules and Regulations provide for the disconnection of water service should the policies of the District not be followed.

The State of Colorado Regulation 11.39 and the Backflow Prevention Program require that all Backflow Prevention Assemblies (BFPA)'s installed for backflow prevention and cross connection control be tested upon installation and annually thereafter by a certified BFPA technician. The passing test report must be emailed, faxed, or mailed to Dillon Valley District. In the event that the BFPA does not pass testing it will need to be repaired and retested no later than 60 days from the failed test. If the customer fails to comply. The BPP and State of Colorado Regulation 11.39 require that service be suspended till the BFPA is tested and the report is received by the Dillon Valley District.

Water Solutions Inc.
P.O. Box 192
Silverthorne Co, 80498
mwillitts@wsicolorado.com
970 262 0217 Phone
970 262 0116 Fax

(v) The billing property records of the District including the mailing address, property location, contact information and backflow information shall be used for a calendar based reminder system to track all the BFPAs testing deadlines. The DVD operations manager will coordinate with the administrator for the maintenance of the reminder system and recording of the annual testing data.

(vi) The District test reminder and record system will reflect and ensure the backflow prevention assemblies are tested by a Certified Cross-Connection Control Technician.

Currently, Dillon Valley District Backflow Prevention Program (BPP) cannot recommend testers nor does the Dillon Valley District keep a list of testers.

If you are in need of a tester, you can find one by:

1. Consulting with Your current plumber or contractor - these professions usually hold their own certification or know someone who can test your assembly. Whomever you select to test your BFPA must be certified to do so. Testers must hold a current certification from either The American Backflow Prevention Association, or The American Society of Sanitary Engineers. Tester certification number and expiration date must be supplied with the BFPA test report.
2. Checking Your Assembly - Generally your existing BFPA has been tested before and should have a tag from the previous tester that shows the testers' or testing company phone number.
3. Visiting the Colorado Division of Fire Prevention & Control website if you're looking for someone who can also test assemblies on fire lines. Click on "Fire Suppression Systems" and then on "Backflow Contractors."