



# COLORADO

## Department of Public Health & Environment


### APPENDIX G: Non Community Prevention and Cross-

### or Small Community Backflow connection Control

#### << Water System Name>> Program and Annual Report

#### Purpose

Regulation 11.39 of the Colorado Department of Public Health and Environment Water Quality Control Commission's Colorado Primary Drinking Water Regulation 5 CCR 1002-11, (Regulation 11) requires that suppliers report compliance with the Backflow Prevention and Cross-connection Control Rule. This Backflow Prevention and Cross-connection Control Report outlines how well the supplier complied with Regulation 11. For each calendar year, the supplier must complete the annual backflow prevention and cross connection control program report no later than May 1 of the following calendar year.

Public Water System Name & PWSID:	Meadow Mountain Water Supply Company - CO-0207504	
Public Water System Owner:	Meadow Mountain Water Supply Company	
BPCCC Administrative Contact:	Rachel Barkworth	
Address:	PO Box 162, Allenspark, CO 80510-0162	
Compliance Year	2021	
Email:	<a href="mailto:rachel@bluegagebooks.com">rachel@bluegagebooks.com</a>	
Phone:	303-823-2318	
<p>The supplier is responsible for all service connections and internal water supply systems. The supplier takes responsibility for identifying cross connections, controlling identified cross connections and ensuring that assemblies and or methods are tested annually by a Certified Cross-Connection Control Technician or were allowed by the suppliers designated staff. The supplier will evaluate Regulation 11, Safe Drinking Water Program Policy 7, the Colorado Plumbing Code and developed guidance to determine which assemblies or methods can be used for appropriate control and may consult the Department for any additional information.</p>		
Signatures of Owner or Administrative Contact:		
Effective Date	Name	Signature
04/30/22	Rachel Barkworth	

## Cross Connection Identification Survey

The public water system should complete the following document for each building that the supplier owns and or maintains or each commercial, industrial, yard hydrant, agricultural, and/or multi-family service connection.

1. Do any of your buildings or facilities have? (Please check all that apply): Water Treatment Plant and Shed

Type	Yes/No	Type	Yes/No	Type	Yes/No	Type	Yes/No
Underground Sprinkler System	No	Swimming Pool	No	Hot Tub	No	Utility Sinks	Yes
Drip/Soaker/Irrigation System	No	Chemical Irrigation System	No	Solar System	No	Boilers / Closed Loop Hot Water Heaters	No
Darkroom Equipment	No	Fire Suppression System	No	Portable Dialysis Machine	No	Soda Machine	No
Auxiliary Water Source (Well, Ditch/Canal)	No	Ghost pipes (unknown connections)	No	Onsite Water Storage	No	Commercial Dishwasher	No
Insecticide Sprayers	No	Cleaning Solution Dispenser	No	Chemical Feed System	No	RV Hook Ups / Connections	No
Dump Station	No	Yard Hydrant	No	Water Treatment Plant	Yes	Storage Tank	No
Livestock Water Troughs	No	Water Softener/Reverse Osmosis	No	Non-potable irrigation source	No	Pump for non-potable use	No

2. Do you have outside hose bibs\*\* at your buildings that are used for non-potable purposes? Yes\_\_\_\_\_ No\_\_X\_\_ How many? \_\_\_\_NA\_\_\_\_\_

\*\* Colorado Plumbing Code may require that the hose bibs are protected.

\*\* While not required by CDPHE it is best industry practice is to protect with a vacuum breaker.

3. Do you have a backflow protection device on your property now? Yes\_\_\_\_\_ No\_\_N\_\_

4. Do you have any water-using equipment on not mentioned above? Yes\_\_\_\_\_ No\_\_N\_\_  
If yes, please list below:

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5. Do you have any residential service connections which you are aware that a cross connection exists? Yes\_\_\_\_\_ No\_\_X\_\_ How many? NA\_\_\_\_\_

If you checked any of the above in question 1 or answered yes to questions 2-5, are you aware of potential backflow prevention measures being practiced onsite, such as an air gap, check valve or backflow prevention assembly, if so please explain and include the location of the identified system on the next page.

Any identified cross connections must be controlled in accordance with the Colorado Primary Drinking Water Regulation 11. The identified cross connection must be controlled within 120 days of discovery. If the cross connection cannot be controlled within 120 days the department must be notified. Please note that the installation of assemblies or method within a buildings water supply may require the supplier to obtain plumbing permit from the jurisdiction having authority or the State of Colorado Plumbing Board.

### Regulation 11.39 Backflow Prevention and Cross-connection Control Tracking Spreadsheet

Identified Contaminant	Location	Assembly Type or Method Make, Model and Serial Number	Last Date Assembly was Tested or Inspected and Result	Assembly Tested by Certified Tester Y/N Include Cert Number and Expiration Date	Method Inspected by Certified Tester or Staff Y/N & Name of Inspector
NA	Chlorine Solution Tank	Air Gap	Daily	NA	Y - Daily Barry Mauerman (ORC) or Adam Hans (Operator) or Andrew Griffiths (Operator)
NA	Soda Ash Solution Tank	Air Gap	Daily	NA	Y - Daily Barry Mauerman (ORC) or Adam Hans (Operator) or Andrew Griffiths (Operator)
NA	Utility Sink	Air Gap	Daily	NA	Y - Daily Barry Mauerman (ORC) or Adam Hans (Operator) or Andrew Griffiths (Operator)
NA	Overflow from Clearwell	Air Gap	Daily	NA	Y - Daily Barry Mauerman (ORC) or Adam Hans (Operator) or Andrew Griffiths (Operator)

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(i)	Total number of non-single-family-residential connections to the public water system and connections within the supplier's water treatment plant. Include the total number of all commercial, industrial, multi-family, agricultural, retail, cabins, maintenance shops, restaurants, cafeterias, pools, yard hydrants, rv connections, irrigation systems, treatment plants, storage tanks and pump stations.	4
(ii)	Total number of connections (buildings) surveyed to determine if cross connections are present.	4
(iii)	Survey compliance ratio. Same as (ii)/(i)  The supplier must achieve the survey compliance ratios as specified in Table 11.39-I. If achieved value is lower supplier must report to the Department.	1/1
(iv)	Total number of identified cross connections. Include all assemblies or methods used for protection and any uncontrolled cross connections.	4
(v)	Number of uncontrolled cross connections identified during the calendar year. (How many cross connections where identified that did not have appropriate protection when identified)	0
(A)	Number of identified uncontrolled cross connections that were controlled within 120 days of discovery.	NA
(B)	Number of identified uncontrolled cross connections that were not controlled within 120 days of discovery.  Any number greater than one is an automatic violation unless supplier received a department approved alternative compliance schedule.	NA
(vi)	Number of backflow prevention assemblies installed at cross connections that were used during the calendar year. Includes all RPZ, double checks, pressure vacuum breakers, etc.	4
(vii)	Number of backflow prevention methods installed at cross connections that were used during the calendar year. Includes all installed air gaps, intermediate atmospheric vents, vacuum breakers, dual checks, and devices installed in accordance with the Colorado Plumbing Code.	NA
(viii)	Number of connections where service was suspended as specified in 11.39(3) during the calendar year.	0
(ix)	Number of backflow prevention assemblies used to control cross connections that were tested by a Certified Cross Connection Control Technician during the calendar year.	NA
(x)	Backflow prevention assembly annual testing compliance ratio. Same as (ix)/(vi).  Must be greater than backflow prevention assembly annual testing compliance ratios as specified in Table 11.39-II. If achieved value is lower supplier must report to the Department.	1/1
(xi)	Beginning January 1, 2021, the number and location of backflow prevention assemblies not tested during the calendar year covered by the report.	0
(xii)	Number of backflow prevention methods used to control cross connections that were inspected during the calendar year.	4
(xiii)	Backflow prevention method annual inspection compliance ratio. Same as (xii)/(vii).  Must be greater than 0.90. If achieved value is lower supplier must report to the Department.	1/1
(xiv)	Beginning January 1, 2017, the number and location of backflow prevention methods not inspected during the calendar year.	0

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Submittal Requirements

The BPCCC annual report is due May 1 each year, however, it is not required to be submitted to the department unless a violation is identified. The department will review the BPCCC annual report during sanitary surveys but reserves the ability to request it at any time.

If a BPCCC violation occurs, Regulation 11.39(7) requires that the violation(s) must be reported to the department no later than 48 hours after the violation(s) occurs. In accordance with Regulation 11.36(2)(b) the department will request that the supplier submit a copy of the BPCCC annual report documenting the identified violation. Please submit a copy of the BPCCC annual report via the department’s Drinking Water Portal which can be found at <https://wqcdcompliance.com/login> and send to the attention of the department’s Backflow Prevention and Cross-Connection Control Specialist.

This report can be submitted to the department for notification of violations via the department’s Drinking Water Portal.

Please identify any violations demonstrated above. Please include the Regulation citation number and causes for violations as well as any action taken or anticipated action to resolve the violation(s). Please include date(s):


Public Notice Requirements

Regulation 11.39(7) requires that suppliers distribute Tier 2 public notice as specified in Regulation 11.33 in any instance wherein the supplier becomes aware of any backflow prevention and cross-connection control treatment technique violation.

Regulation 11.39(7) requires that suppliers distribute Tier 3 public notice as specified in Regulation 11.33 in any instance wherein the supplier becomes aware of any backflow prevention and cross-connection control violation.

Please contact your department assigned compliance officer with any questions that you may have with regards to public notice.