



## Backflow prevention & cross-connection control rule implementation steps

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**Overview:** The Colorado Primary Drinking Water Regulations, 5 CCR 1002-11 (Regulation 11), Section 11.39 requires that public water systems have a written and properly implemented Backflow Prevention and Cross-connection Control (BPCCC) Program. The Backflow Prevention and Cross-connection Control Rule Implementation Policy (Safe Drinking Water Program Policy DW-007) provides clarification and interpretation of the regulation. This document intends to provide public water systems steps on how to implement Section 11.39 requirements.

- Step 1. Review Regulation 11, Section 11.39 and Safe Drinking Water Program Policy DW-007. Additional guidance and templates are provided at:  
<https://www.colorado.gov/pacific/cdphe/drinking-water-cross-connection-control-program>
- Step 2. Select and establish legal authority and or compliance approach for implementation of the BPCCC program survey, installation and testing of assemblies and methods.
- Step 3. Develop written BPCCC plan which at a minimum includes:  
Established legal authority and/or compliance approach,  
Documented survey procedure and/or compliance approach,  
Documented assembly or method selection and installation procedure,  
Tracking mechanism description (spreadsheet, software, master list),  
Verification of tester's credentials (test report).
- Step 4. Identify total number of service connections and waterworks.
- Step 5. Identify total number of non-single-family-residential service connections (i.e. service connections and waterworks which require survey, this generally includes all commercial, industrial and multi-family service connections).
- Step 6. Identify total number of non-single-family-residential service connections that have already been surveyed and or controlled. Service connections controlled with and air gap, reduced pressure zone assembly or controlled appropriately for the identified contaminant can be considered surveyed.
- Step 7. Perform service connection surveys.
- Step 8. Control identified cross connections with appropriate assemblies or methods within 120 days of discovery.
- Step 9. Ensure methods and assemblies are properly tested or inspected upon installation and or annually. As suppliers implement the requirements of the rule, the supplier must:
  - Track performance of surveys, assembly or method installation and testing or inspection results and comply with the survey, method, and assembly compliance ratios specified in Regulation 11.39
  - Write an annual report (first due May 2017).
  - Notify the department of backflow events.
  - Request alternative schedules as needed.

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