

# *Backflow Prevention and Cross Connection Control Continuity and Database*



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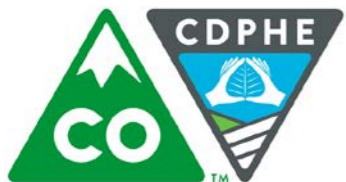
**COLORADO**  
Department of Public  
Health & Environment

# Overview

- Background
- Requirements and Expectations



*State of Colorado  
Backflow Prevention and  
Cross-connection Control  
Background*



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# *Acronyms*

- Backflow Prevention and Cross-connection Control (BPCCC)
- Colorado Department of Public Health and Environment (Department)
- Colorado Primary Drinking Water Regulations (CPDWR)
- Safe Drinking Water Program (SDWP)
- Public Water Systems (Supplier or PWS)
- Reduced Pressure Zone Backflow Prevention Assembly (RPZ), Air Gap (AG), Double Check Backflow Prevention Assembly (DC), Pressure Vacuum Breaker (PVB)

# Background



- Colorado Revised Statutes (1962)
  - C.R.S. 25-1-114 (1)(h)
- Colorado Department of Public Health and Environment (Mid 1980s)
  - Colorado Primary Drinking Water Regulations, Article 12
  - Readability rulemaking, Regulation 11.37 CPDWR (2014)
  - Currently Regulation 11.39 CPDWR (2015)

# *Requirements & Expectations*



# Resources



- Regulation
- Report templates and sample data base can be found online at:

<https://www.colorado.gov/cdphe/drinking-water-cross-connection-control-program>

- Department's Field Services Section Staff
- Department's Local Assistance Unit and Coaches

# *Continuity*

“The unbroken and consistent existence or operation of something over a period of time.” Google Definitions

“The quality of something that does not stop or change as time passes” Merriam-Webster

Suppliers need to be prepared for retirements, staff turnover, promotions, positions reassignments, and death.



# *Continuity Considerations*

Adequately implemented and documented written program

Record keeping

Properly organized and maintained data base

Multiple staff involvement (Many suppliers have one staff involved in cross connection control)

Resource allocation

# *Database*

Suppliers database for each calendar year with regards to BPCCC at a minimum must include the following information:

- Service connection customer address or facility descriptor,
- Survey status (survey performed or not performed),
- Survey results (cross connection identified or not identified).

# *Database cont.*

Suppliers database for each calendar year with regards to BPCCC at a minimum must include the following information:

- Cross connection type identified (irrigation, domestic, fire suppression, etc.),
- Cross connection controlled with backflow prevention assembly or method and if assembly or method is appropriate or not,
- If site specific deviation criteria issued or if suspension of service was utilized,
- Date assembly of method tested by certified tester or inspected by supplier staff.

# *Database Concerns*

Many suppliers in Colorado utilize third party BPCCC database implementation program.

The Department considers the Supplier fully responsible for the methods and data maintained with regards to BPCCC even if the data is maintained by a third party.

Third party data will only be as good as what is imputed.

Additionally suppliers need to shore up database cross over areas with billing databases to identify all customer. This has to be an ongoing process and can not be ignored. New customers must be accounted for as well as change in use customers.

# *Database Sanitary Survey*

If during a sanitary survey the Department suspect that the supplier data base and record keeping methods and tracking mechanisms are not appropriate or adequate the Department could issue a violation of the written BPCCC program.

# Guidance

- Regulation 11
- SDWP Policy 7
- CDPHE Website:  
<https://www.colorado.gov/cdphe/drinking-water-cross-connection-control-program>
- Program and Report Templates for various system types
- Survey Questionnaires
- Sanitary Survey
  - Revised Alternative Survey Compliance Schedules
  - Development of Programs
  - Survey Assistance
- Compliance schedules for retro fits that exceed 120 days and 60 day repairs

# *CDPHE BPCCC Contact*

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# *Questions & Comments?*



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