Cross-Connection Control Water System Ordinance

AN ORDINANCE INSTITUTING A CROSS-CONNECTION CONTROL PROGRAM TO PROTECT THE PUBLIC WATER SYSTEM

THE CHESTER PUBLIC UTILITY DISRICT DOES ORDAIN AS FOLLOWS:

1.0 PURPOSE

The purpose of the Cross-Connection Control Program implimented by Chester Public Utility District (CPUD) is to reduce the hazard of contamination of the public water system or identifying any actual potential cross-connections and taking action to protect the system from these hazards. This is accomplished by installing backflow prevention assemblies where hazards are Identified.

2.0 SCOPE

The scope of the Cross-Connection Control Program includes all elements necessary to ensure compliance with the Cross — Connection Control Policy Handbook. The scope of the program encompasses the administration of employee training to meet state requirements, surveying residential and commercial properties for potential cross-connection hazards, designation of appropriate backflow prevention, testing of devices, maintenance of records. and overall program administration

3.0 ADMINISTRATION OF PROGRAM

3.1 Authority

Chester Public Utility District (CPUD), in accordance with the Cross-Connection Control Policy Handbook, CPUD code Article 5-3.2, and Uniform Plumbing Code, is instituting a policy of backflow prevention/protection of the Water System, and hereby adopts this Cross-Connection Control Program and supersedes all other backflow of Cross-Connection Control Programs.

3.2 Authorized Cross-Connection Control (CCCP) Persons

The authorized CCCP person is the person sufficiently trained and designated by the Board of Directors of CPUD to administer the program in accordance with the written policies and procedures of CPUD and of the Cross-Connection Control Program

3.3 Service Connections

CPUD requires all service connections to have a RP at the point of service if antifreeze or wetting agent is used in Fire suppression system. A BPA is not necessary for a low hazard fire protection system with only 1 service connection. The designated CCCP may authorize other points of connection if needed. The owner of the parcel will be responsible of the costs associated with acquiring, installing, initial testing, maintaining and annual certification of required backflow prevention devices.

3.4 Existing Consumers

When it is determined by the survey of the authorized CCCP person that an actual high hazard cross-connection or backflow condition is present in an existing location under normal conditions the installation of an approved backflow prevention assembly commensurate with the actual hazard shaft be required.

A series of four letters to the consumer of record shall begin outlining the results of the survey and the actions needed to comply with the CPUD CCCP. The first letter shall provide information as the type of backflow prevention assembly needed and a list of CPUD approved devices. The remaining three letters shall be reminders sequentially leading to possible termination of service for non-compliance.

Should an existing backflow assembly be in place that does not meet CPUD installation requirements or is not commensurate with the degree of hazard found on site, the device shall be repaired or upgraded as required by CPIJD.

4.0 SURVEYS

4.1 Identification of Survey Candidates

CPUD has determined specific types of hazards that may pose an actual high hazard to the public water supply. These hazards are identified from lists of activities at residences and commercial connections where cross-connections are likely to be found as provided

A. Sewage handling facilities.
B. Wastewater lift stations and pumping stations
C. Wastewater Treatment processes, handling, pumping equipment that is interconnected to a piping system to PWS.
D. Petroleum processing or storage plants
E. Mortuaries.
F. Cemeteries
G. Sites with an auxiliary water supply interconnected with PWS.
H. Sites with an auxiliary water supply not interconnected with PWS.
I. Premises with more than one connection to PWS.
J. Premises with Recycled water

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K. Premises with recycled water interconnected to piping systems that contain water received from PWS
L. Graywater systems. as defined in Calif. Water Code Sec 14876 that are interconnected to PWS.
M. Medical Facilities.
N. Dental office with water-connected equipment.
O. Veterinarian Facilities
P. Chemical Plants
Q. Laboratories
R. Dry Cleaner Facilities
S. Electronics manufacturers.
T. industrial or commercial laundry facilities
U. Metal plating facilities.
V. Business Park with a single meter serving multiple businesses.
W. Car Wash Facilities
X. Mobile home park or Campgrounds with RV hook-ups.
Y. Hotels/Motels
Z. Gas Stations
AA. Fire Stations
BB. Pet Groomers
CC. Hazard assessment access denied or restricted .
DD. Incarceration Facilities
EE. temporary connections to fire Hydrants
FF. Private water distribution mains.
GG. Drinking water storage tank overflows connected to a sump or storm drain
HH. Airports
II. Residents using recycled water for landscape irrigation as part of an approved dual plumbed use area established pursuant to CCR Title 22 section 60313 through 60316 shall use at a minimum a DC.

4.2 Survey

When possible, a request to survey the premises shall! be made and a date and time agreed upon. Should the request for the survey be denied, letters shall be sent directing installation of the appropriate backflow assembly based on knowledge of the specific premises or business activity. Due to the resources that may be necessary to implement this required program. CPUD may utilize the services of a professional Cross-Connection Specialist or Company to accomplish portions of or the entire Cross-Connection Control Plan and Surveys.

4.3 Considerations

During the survey many factors are considered to determine if the consumer or could be a potential hazard to the public water supply under normal operating conditions.
These include:

1. Sources of water on site
2. Types of water on Site
3. Uses of water on site
4. Types of water using equipment
5. Condition of water using equipment
6. Complexity of plumbing on site and the potential for alterations of that system
7. Storage and use of hazardous materials on site
8. Restaurants using recycled or surface water for landscape irrigation.

All the factors found and recorded during the survey shall be considered in the determination of backflow prevention requirements.

Each consumer requiring a backflow prevention assembly shall be notified by letter. The consumer shall be informed of their responsibility to provide backflow protection and the type of backflow assembly required in accordance With Cross -Connection Control Policy Handbook.

Should it be determined that the consumer does not require a backflow prevention device. they shall be notified in person that no such assembly is required at this time.

5.0 INSTALLATION OF BACKFLOW ASSEMBLIES

Backflow prevention assemblies shall be installed in accordance with Cross Connection Control Policy Handbook approved policies any deviation from these codes and policies require CPUD's written approval.

5.1 Separation (AG)

The Air-gap separation is to be located as close as practical to the users connection and all piping between the user's connection and the receiving tank shall be entirely visible unless otherwise approved by CPUD.

5.2 Double Check Assembly (DC)

A double check valve assembly if approval is given by CPUD for installation shall be located as close as practical to the user's connection and shall be installed above grade and in a manner where it is readily accessible for testing and maintenance unless otherwise approved by CPUD.

5.3 Reduced Pressure Principal Backflow Prevention Assembly IRPP

A reduced pressure principal backflow prevention assembly shall be located directly behind the meter or curb stop and shall be installed a minimum of twelve inches above grade and not more then. thirty-six inches (36") above grade measured from the bottom of the device and with minimum of twelve inches (12") side clearance in a manner where the assembly is readily accessible for testing and maintenance, unless otherwise approved by the CPUD.

In no case shall a cut tree or tap be made between the user's meter or curb stop and the backflow prevention assembly.

Any deviation of installation from the codes and policies shall have approval of CPUD prior to installation.

All backflow prevention assembly installations shall be inspected by CPUD to ensure compliance with the requirements of Plumas County Building codes and CPUD.

6.0 TESTING

6.1 Frequency of Testing

All backflow prevention assemblies shall be tested at least annually and immediately after installation, relocation or repair by an AWWA or ABA certified test person in accordance with the Cross- Connection Control Policy Handbook.

6.2 Responsibility for Testing

As per the Cross - Connection Control Policy Handbook the consumer of record is responsible for installation testing and maintenance of the backflow prevention assembly. CPUD may assume the role of testing devices and/or contract out licensed testers. Upon and throughout the notification process, CPUD may charge consumers to be reimbursed for said services.

6.3 Testing

1. If the consumer of record does not give permission for a shut down or;
2. If the consumer of record denies access to the device or;
3. If the device is in an unsafe location (i.e. confined space)

Letters shall be sent requesting the consumer contract a certified tester at their own expense and direct the results to be sent to CPUD.

6.4 Failure of Backflow Assembly

Should an existing assembly fail, the annual test a series of letters shall be sent directing the consumer to immediately contract an approved qualified repair person and have the

assembly repaired and tested. The passing results are be directed to CPUD to clear the account and avoid termination of service.

6.5 Enclosures

CPUD shall supply each affected consumer of record with a list of persons on file with CPUD and certified AWWA or ABA to test backflow prevention assemblies and the list of State of California approved backflow prevention assemblies.

6.6 Procedures for Testing and Inspection

CPUD has accepted the certification and procedures of the AMMA. These procedures have been adopted from the USC Foundation for Cross-Connection and Hydraulic Research, Manual of Cross Connection Control, Tenth Edition.

7.0 TERMINATION OF SERVICE

7.1 Basis for Termination

When CPUD encounters a water use that represents a clear and immediate hazard to the potable water supply that cannot be immediately abated CPUD shall initiate the procedure for discontinuing water service.

Conditions or water uses that create a basis for water termination shall include, but are not limited to the following items:

1. Refusal to Install a required backflow prevention assembly
2. Refusal to test a backflow prevention assembly
3. Refusal to repair a faulty backflow prevention assembly
4. Refusal to upgrade a backflow prevention assembly to the necessary level of protection.
5. A situation which presents an Immediate health hazard to the public water system

7.2 Service Termination Procedures

For condition 1, 2, 3, or 4 outlined above. CPUD Shall terminate service to a consumer's premises after four (4) written notices have been sent specifying the corrective action needed and the time period in which it must be done.

The first notice is an information letter which outlines the requirements and a specific period of time to comply (30 days). If no response is received in the specified time period a second letter will be sent.

The second notice gives a 15-day period to comply. Also, the consumer is notified that water service will be terminated if no response is received after a specific period of time.

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The third (or final) notice gives the consumer an additional 10 days to comply and restates the consequences of not complying.

The fourth (or termination) notice gives the consumer another 10 days to comply and sets the actual date that service will be terminated.

For condition "5" Chester Public Utility District shall take the following steps

1. Make a reasonable effort to advise the water user intent to terminate water service.
2. Attempt to contact the responsible party listed on the account by phone and follow-up letter.
3. Terminate water supply and lock service valve. The water service will remain inactive until corrective action is taken or a backflow prevention assembly is installed and tested.

This ordinance shall supersede all previous cross-connection control ordinances and shall take effect thirty (30) days from the date of its adoption on May 12, 2025, at the Chester Public Utility District Board Meeting. Before the expiration of fifteen (15) days after its adoption, this Ordinance shall be published in the Intermountain News, a newspaper of general circulation, printed and published in Burney, Ca., and distributed in Plumas, Shasta, and Lassen Counties.