

Cross Contamination Control Ordinance

for Village of Coney Island  
103 Broadway Ave  
Reeds Spring, MO 65737

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Approved by: Chairman: David M. Shrew  
Clerk: Jennifer H. Hallett

# Village of Coney Island

## Cross-connection Control Program

- I. Purpose:
  - A. To protect the public potable water supply served by the Village of Coney Island from the possibility of contamination or pollution by isolating, within its customers' internal distribution system, such contaminants or pollutants which could backflow or back-siphon into the public water system.
  - B. To promote the elimination or control of existing cross-connections, actual or potential, between its customers in plant portable water systems and non-portable systems.
  - C. To provide for the maintenance of a continuing program of cross-connection control which will effectively prevent contamination or pollution of all potable water systems by cross-connection.
- II. Authority
  - A. The Federal Safe Drinking Water Act of 1974, and the statues of the State of Missouri states the water surveyor has the primary responsibility for preventing water from unapproved sources, or any other substances, from entering the public portable water system.
- III. Responsibility

The Board of Coney Island shall be responsible for the protection of the public portable water distribution system from contaminations or pollution due to the backflow or back-siphon age of contaminations or pollutants through the water service connections. If, in judgement of the Board of Coney Island, an approved backflow device is required at the Village water service connection to any customer's promises, the Board of Coney Island, or his delegated agent shall give notice in writing to said customer to install an approved backflow prevention device at each service connection to his premises. The customer shall, within 90 days install such approved device, or devices, at his own expense, and failure or refusal, or inability on the part of the customer to install said device or devices within ninety (90) days, shall constitute a ground for discontinuing water service to the premises until such device or devices have been properly installed.
- IV. Definitions-see attached list.
- V. Administration
  - A. The Board of Coney Island will operate a cross-contamination control program, to include the keeping of necessary records, which fulfills the requirements of the Commission's Cross-Connection Regulations and is approved by the Commission.

- B. The Owner shall allow his property to be inspected for possible cross-contamination and shall follow the provisions of the Department's program and the Commission's Regulations if a cross-connection is permitted.
- C. If the Board of Coney Island requires that the public supply be protected by containment, the Owner shall be responsible for water quality beyond the outlet end of the containment device and should utilize fixture outlet protection for that purpose.
- D. He may utilize public health officials, or personnel from the Board of Coney Island, or their delegated representatives, to assist him in the survey of his facilities and to assist him in the selection of proper fixture outlet devices, and the proper installation of these devices.

VI. Requirements

A. Department

1. On new installations, the Board of Coney Island, will provide onsite evaluation and/or inspection of plans in order to determine the type of backflow preventer, if any, that will be required, will issue permit, and perform inspection and testing. In any case, a minimum of a dual check valve will be required in any new construction.
2. For premises existing prior to the start of this program, the Board of Coney Island, will perform evaluations and inspections of plans and/or premises and inform the owner by letter of a corrective action deemed necessary, the method of achieving the correction, and the time allowed for the correction to be made. Ordinarily, ninety (90) days will be allowed, however, this time period may be shortened depending upon the degree of hazard involved and the history of the device(s) in questions.
3. The Board of Coney Island will not allow any cross-contamination to remain unless it is protected by an approved backflow preventer for which a permit has been issued and which will be regularly tested to insure satisfactory operation.
4. The Board of Coney Island shall inform the Owner by letter, of any failure to comply, by the time of the first re-inspection. The Board of Coney Island will allow an additional fifteen (15) days for the correction. In the event the Owner fails to comply with the necessary correction by the time of the second re-inspection, the Board of Coney Island will inform the Owner by letter, that the water service to the Owner's premises will be terminated within a period not to exceed five (5) days. In the event that the Owner informs the Board of Coney Island of extenuating circumstances as to why the correction has not been made, a time extension may be granted by the Board of Coney Island but in no case will exceed an additional thirty (30) days.



5. If the Board of Coney Island determines at any time that a serious threat to the public health exists, the water service will be terminated immediately.
  6. The Board of Coney Island shall contact the state for certified backflow device testers. All charges for these tests will be paid by the Owner of the building or property.
  7. The Board of Coney Island will begin initial premise inspections to determine the nature of existing or potential hazards, following the approval of this program by the Commission, during the calendar year 2016. Initial focus will be on high hazard industries and commercial premises.
- B. Owner
1. The Owner shall be responsible for the elimination or protection of all cross-connections on his premises.
  2. The Owner, after having been informed by a letter from the Department, shall at his expense, install, maintain, and test, or have tested, any and all backflow preventers on his premises.
  3. The Owner shall correct any malfunction of the backflow preventer which is revealed by periodic testing.
  4. The Owner shall inform the Village of Coney Island of any proposed or modified cross-connections and also any existing cross-connections and also any existing cross-connections of which the Owner is aware but has not been found by the Village of Coney Island.
  5. The Owner shall not install a bypass around any backflow preventer unless there is a backflow preventer of the same type on the bypass. Owners who cannot shut down operation for testing of the device(s) must supply additional devices necessary to allow testing to take place.
  6. The Owner shall install backflow preventers in a manner approved by the Village of Coney Island.
  7. The Owner shall install only a backflow preventers approved by the Village of Coney Island or the Commission.
  8. Any Owner having a private well or other private water source, must have a permit if the well or source is cross-connected to the Village of Coney Island system. Permission to cross-connect may be denied by the Village of Coney Island. The Owner may be required to install a backflow preventer at the service entrance if a private water source is maintained, even if it is not cross-connected to the Village of Coney Island system.
  9. In the Event the Owner installs plumbing to provide potable water for domestic purposes which is on the Village of Coney Island side of the backflow preventer, such plumbing must have its own backflow preventer installed.

10. The Owner shall be responsible for the payment of all fees for permits, annual or semi-annual divide testing, retesting in the case that the device fails to operate correctly, and second re-inspections for non-compliance with the Village of Coney Island or Commission requirements.

VII. Degree of Hazard

The Village of Coney Island recognizes the threat to the public water system arising from cross-connections. All threats will be classified by degree of hazard and will require the installation of approved reduced pressure principle backflow prevention devices and double check valves.

VIII. Permits

The Village of Coney Island shall not permit a cross-connection within the public water supply system unless it is considered necessary and the it cannot be eliminated.

- A. Cross-connection permits that are required for each backflow prevention device are obtained from the Village of Coney Island. A fee of 15<sup>00</sup> dollars will be charged for the initial permit and 5<sup>00</sup> dollars for the renewal of each permit.
- B. Permits shall be renewed every 1 year~~s~~ and are non-transferable. Permits are subject to revocation and become immediately revoked if the Owner should so change the type of cross-connection or degree of hazard associated with the service.
- C. A permit is not required when fixture isolation is achieved with the utilization of a non-testable backflow preventer.

IX. Existing in-use backflow prevention devices.

Any existing backflow preventer shall be allowed by the Village of Coney Island to continue in service unless the degree of hazard is such as to supersede the effectiveness of the present backflow preventer, or result in an unreasonable risk to the public health. Where the degree of hazard has increased, as in the case of a residential installation converting to a business establishment, any existing backflow preventer must be upgraded to a reduced pressure principle device, or a reduced pressure principle device must be installed in the event that no backflow device was present.

X. Periodic Testing

- A. Reduced pressure principle backflow device shall be tested and inspected annually.
- B. Periodic testing shall be conducted by the Village of Coney Island's certified tester or his delegated representative. This testing will be done at the owner's expense.
- C. The testing shall be conducted during the Village of Coney Island's regular business hours. Exceptions to this, when at the request of the owner, may



require additional charges to cover the increased costs to the Village of Coney Island.

- D. Any backflow preventer which fails during a periodic test will be repaired or replaced. When repairs are necessary, upon completion of the repair the device will be re-tested at owner expense to insure correct operation. High hazard situations will not be allowed to continue unprotected if the backflow preventer fails the test and cannot be repaired immediately. In other situations, a compliance date of not more than thirty (30) days after the test date will be established. The owner is responsible for spare parts, repair tools, or a replacement device. Parallel installation of two (2) devices is an effective means of the owner insuring that uninterrupted water service during testing or repair of devices and is strongly recommended when the owner desires such continuity. (Ref Fig. 33 page 23)
- E. Backflow prevention devices will be tested more frequently than specified in A. above, in cases where there is a history of test failures and the Village of Coney Island feels that due to the degree of hazard involved, additional testing is warranted. Cost of the additional tests will be borne by the owner.

XI. Records and Reports

A. Records

The Village of Coney Island will initiate and maintain the following:

1. Master files on customer cross-connection tests and/or inspections.
2. Master files on cross-connection permits.
3. Copies of lists and summaries supplied to the Commission.

B. Reports

The Village of Coney Island will submit the following to the commission.

1. Annual summary of cross-connection inspections to the State.

XII. Fees and Charges

The Village of Coney Island will publish a list of charges for the following services or permits:

1. Testing fees
2. Re-testing fees
3. Fee for re-inspection
4. Charges for after-hours inspections or tests.

XIII. Addendum

1. Residential dual check

Effective the date of the acceptance of this cross-connection control program for the Village of Coney Island, all new residential buildings will be required to install a residential dual check device immediately downstream of the water meter. Installation of this residential dual check device on a retrofit basis on existing service lines will be instituted at a time and at a potential cost to the homeowner as deemed necessary by Village of Coney Island.

The owner must be aware that installation of a residential dual check valve results in a potential closed plumbing system within his residence. As such, provisions may have to be made by the owner to provide for thermal expansion within his closed loop system, i.e. the installation of thermal expansion devices and/or pressure relief valves.

2. Strainers

The Village of Coney Island strongly recommends that all new retrofit installations of reduced pressure principle devices and double check valve backflow preventers include the installation of strainers located immediately upstream of the backflow device. The installation of strainers will preclude the fouling of backflow devices due to both foreseen and unforeseen circumstances occurring to the water supply system such as water main repairs, water main breaks, fires, periodic cleaning and flushing of mains, etc. These occurrences may "stir up" debris within the water main that will cause fouling of backflow devices installed without the benefit of strainers.

