

What is required?

- Vault top must be above grade (2+ inches).
- Vault must be sealed with a drain on the bottom.
- Assembly must fit completely within the vault, and have an exposed shutoff valve; Assembly must be “testable”.
- Clearance to the Assembly must be <6 inches from the vault top, but >12 inches from the vault bottom.
- Shut off valves must be accessible
- Assembly must have:
 - Manufacturer’s name and country clearly visible
 - Year the Assembly/Device was manufactured clearly visible
 - Brand and Model of the Assembly/Device clearly visible
 - Serial number of the Assembly/Device clearly visible
 - Water flow direction within the Assembly/Device clearly marked
 - Two (2) Double Check Valves (spring loaded) or tightly closing gate valves for shutoff.
 - Two (2) Test cocks per double check valve.

Permits/ Inspections

Cross-connection permits that are required for each backflow prevention device are obtained from the Town of Oriental. The form is available at Town Hall or on the town website. A fee of fifty dollars (\$50) will be charged for the initial permit and ten dollars (\$10) for the renewal of each permit.

Permits shall be renewed every year 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.

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Cross-Connection Control and Backflow Prevention

Town of Oriental, North Carolina

Protecting Our Water

Plumbing cross-connections, which are defined as actual or potential connections between a potable and non-potable water supply, constitute a serious public health hazard. According to the Environmental Protection Agency (EPA), there are numerous, well documented cases where cross connections have been responsible for contamination of drinking water, and have resulted in the spread of disease.

A GUIDE FOR BUSINESS OWNERS AND RESIDENTS CONNECTED TO THE TOWN OF ORIENTAL WATER SYSTEM



Ordinance

The Backflow and Cross Connection Manual and Program was adopted on February 4, 2014 by the Town Board in order to provide for the maintenance of a continuing program of cross-connection control which will effectively prevent the contamination or pollution of all potable water systems by cross-connection.

Reference

The entire Manual can be found at www.townoforiental.com-Boards and Committees-Water Advisory Board-Cross Connection and Backflow Manual

Existing Backflow devices

Town of Oriental will evaluate inspections of plans and/or premises and inform the owner by letter of any 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 question.

Who needs these devices?

If an approved backflow device is required at the city's water service connection to any customer's premises, the Town 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. Generally, all industry; Restaurants, Car Washes, Multi-family Housing, Marinas, Hotels, and similar commercial interests. Also, any residential connections that are also connected to a private well.

What are the requirements?

The Town of Oriental recognizes the threat to the public water system arising from cross-connections. All threats will be classified by degree of hazard as outlined in NCAC 15A 18C Appendix B Figure 2 and will require the installation of approved reduced pressure principle backflow prevention devices or double check valves as appropriate.

The Town Hall of Oriental and/or the Administrative Office 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 permits, and permit applications.
4. Copies of lists and summaries supplied to the Commission.

When is a Cross Connection and Backflow preventing permit NOT required?

A permit is not required when fixture isolation is achieved with the utilization of a non-testable backflow preventer. Non-testable backflow preventers do not require inspection.

Typical CC&BF device



Noncompliance

Failed devices are given 90 days to be reinspected. Water service will be terminated no later than 5 days following the 90 day period. Fifteen days are allowed to correct after a first failed reinspection. A failed second inspection is accompanied by a \$300 fine.