

WEST CARTERET WATER CORPORATION
4102 Hwy 24, Newport, NC 28570
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Do you need a RPZ for Cross Connection Prevention?

Public Water Supplies requires that all public water systems have an active cross connection control plan (CCCP) and a certified operator employed to ensure the protection of the water from contamination. A **cross-connection** can be found where an approved water source is connected with an unapproved water source or potentially harmful connection. Backflow preventers keep water from re-entering the public water system's lines once it has passed through the meter. West Carteret Water Corporation has always provided some form of backflow prevention devices. In the development of a cross connection control policy, where possible, we have used the guidance of Public Water Supply, the Environmental Protection Agency and the Plumbing Code.

Since the purpose of this policy is to protect the water system and customers from potentially harmful sources in the event of backsiphonage or backflow, West Carteret Water Corporation began requiring a reduced pressure zone backflow preventer (RPZ) when we developed our CCCP policy in 2006. The RPZ must be used at all commercial accounts, as well as, residential accounts that provide water to irrigation systems, swimming pools, and docks. The account holder is required to install an AWWA approved RPZ backflow preventer using the following guidelines:

1. Installation
 - a. When contracted by the account holder, the installation must be completed by a licensed plumber.
 - b. The RPZ must be installed within 5 feet of the water meter using a RPZ model approved by WCWC.
 - i. Residential
 1. Wilkins Model 975 XL (3/4" - 2")
 2. Watts
 - a. Series 909 (3/4" – 2")
 - b. Series 009 (3/4" – 2")
 - c. Series 919 (3/4" – 2")
 3. Febco 825Y (3/4" – 1")
 - ii. Commercial – To be specified and/or provided by WCWC
 - c. No other connections will be allowed between the meter and RPZ.
 - d. The RPZ should be covered and properly anchored to the ground or a concrete pad. For concrete pad installs, allow for proper box drainage.
 - e. The cover must be ASSE 1060 approved and have adequate access for maintenance and testing.
 - f. Additional insulation is advised to prevent damage from cold weather. However, insulation efforts should not hinder the ability to test the device.
2. Testing & Certification
 - a. Public Water Supply and WCWC requires that these devices be tested immediately after installation and then on a yearly basis thereafter.
 - b. This procedure must be handled by a certified backflow cross connection tester who must also be approved by our Operator in Responsible Charge. (Since their certifications must be renewed, contact our office for a current listing of approved testers and installers. This listing is updated monthly.)
 - c. Once tested, a copy of the testing report must be provided to WCWC. This requirement will be considered delinquent if testing results are not provided within 30 days following the anniversary testing date. For past due inspections, WCWC will contact a certified tester and the charges will be billed to the customer's account.
3. Retest Certifications for Failed Devices
 - a. When a RPZ does not pass, it must be repaired by a certified tester or plumber immediately.
 - b. Afterwards, it must be tested following the guidelines provided.

The initial deadline for this installation was July 1, 2007 and has been extended each year due to the expense and high demand. RPZs can be fairly expensive to install if contracted. Because of this, your Board of Directors has decided to extend the installation indefinitely, but request that everyone comply as quickly as possible to prevent a possible interruption of service at some point in the future.

West Carteret Water Corporation
Cross Connection Control Program
Approved RPZ's and Contractors

WCWC Approved Residential RPZ Models:

- ◆ Wilkins Model 975 XL
- ◆ Watts Series
 - Series 909 (3/4" – 2")
 - Series 009 (3/4" – 2")
 - Series 919 (3/4" – 2")

** Commercial RPZ's will be specified and/or provided by WCWC.

WCWC Approved Testers and Installers:

- ◆ Safeflow
John Boykin
P O Box 627, Bailey, NC 27807
(252) 235-7776
- ◆ Advanced Backflow Technologies
Keith McCarter
2103 Hardee Rd, Kinston, NC 28504
(252) 523-3962
- ◆ Buck Gregory Plumbing

WCWC Approved Tester

- ◆ Baldree's Backflow Testing
Hubert Ray Baldree
3386 Planters Way Dr, Farmville, NC 27828
(252) 753-6228