

Bedford County Public Service Authority

CROSS CONNECTION CONTROL PROGRAM QUESTIONNAIRE

This Survey is required by Virginia State Law

Introduction

A "cross connection" is an unprotected actual or potential piping or plumbing arrangement between a customer's residential piping system and the public water system through which a substance other than potable water could backflow into the public system.

The most common problems in a home are commode flush tank valves submerged in the tank, the connection of hoses or other devices to hose bibs that are not protected by a hose bib vacuum breaker, and the use of yard hydrants that have a drain hole underground. Most homes can be adequately protected by applying an approved vacuum breaker on all hose bibs and through the installation of an anti-siphon flush valve.

Hoses left submerged in swimming pools, kitchen sinks, bath tubs, animal watering troughs, or having chemical sprayers attached to them while weed-killing are conditions that can be extremely hazardous. Other potential hazards can apply if hoses are left lying on the ground where contaminants such as fertilizer, garden chemicals, or other liquids can be siphoned into the hose and into the home.

Frost proof yard hydrants drain into the ground when turned off. The drain hole underground could allow contaminated groundwater to be siphoned into the home. An approved backflow device installed on the line feeding the hydrants will provide adequate protection but is expensive. An alternative is to just plug the hole or pipe the drain to daylight.

All inside and outside hose bibs except those for dishwashers and washing machines will require vacuum breakers.

Vacuum breakers may prevent hose bibs and frost proof yard hydrants from draining. Please read manufactures recommendations for winter draining or purchase the frost-proof type that self-drain.

The waterworks owner has the primary responsibility for preventing substances from an unknown, questionable, or non-potable source from entering the public water supply.

The consumer, homeowner, or resident also shares in this responsibility and has the primary responsibility for preventing pollutants or contaminants from entering the residential piping system.

We will be sending this questionnaire biennially to determine if we are still adequately protecting our water supply.

Your cooperation is needed for us to have an effective program to eliminate cross connections in our water systems.

We will contact you to determine the most cost effective means to provide you and the community protection from cross connections and backflow.

Please contact Elmer Handy at 540-586-7679 extension 103 if you have any questions. Please return your completed questionnaire to the Bedford County PSA located at 1723 Falling Creek Road, Bedford, VA 24523 December 1, 2010 Your Cooperation is Appreciated.

**Bedford County Public Service Authority
Cross Connection Control Program
Questionnaire for 2010**

This questionnaire is required by VIRGINIA STATE LAW, through the Virginia Department of Health, and its purpose is to determine and prevent your water from being contaminated by other users.

System that you are connected to (please check ONE)

- Forest/New London/Boonsboro Hillcrest, Lake Central- (Beechwood Shores, Isle of Pines, High Point, Forty Acres, Park Shores, Lake Estates, Gross Point), Other Lake Systems-Mountain View Shores, Valley Mills Crossing Stewartsville

Information:

Name: _____ Home Phone: _____
Address: _____ Work Phone: _____
_____ Email Address: _____

Property Owner Information (If not current customer):

Name: _____ Home Phone: _____
Address: _____ Work Phone: _____
_____ Email Address: _____

Please check any item that may apply to your property:

Please view the Questions and Answer section on our website at www.bcpsa.com

- | | | |
|--|---|---|
| <input type="checkbox"/> Swimming Pool | <input type="checkbox"/> Outside spigots without vacuum breaker | <input type="checkbox"/> Animal watering trough |
| <input type="checkbox"/> Dark room/photo development | <input type="checkbox"/> Private well, spring cistern | <input type="checkbox"/> Shampoo bowl/sink |
| <input type="checkbox"/> Lawn irrigation sprinkler system | <input type="checkbox"/> Jacuzzi/hot tub | <input type="checkbox"/> Frost-proof spigot with vacuum breaker |
| <input type="checkbox"/> Fire Protection system | <input type="checkbox"/> Baptism pool | <input type="checkbox"/> Mop sink, laundry sink, utility sink with hose bibb thread |
| <input type="checkbox"/> Dye vat | <input type="checkbox"/> Water storage tank | <input type="checkbox"/> Carbonated drink machine |
| <input type="checkbox"/> Steam or hot water heating system | | <input type="checkbox"/> Yard hydrant, yard spigot/standpipe |
| <input type="checkbox"/> Fish Pond | | <input type="checkbox"/> Pressure booster pump |
| | | <input type="checkbox"/> Pressure washers |
| | | <input type="checkbox"/> Hose end sprayer for fertilizer or other chemicals |

I have none of the above items on my property

Please offer a brief description of any other items or treatment units connected to the water system on your property:

Please list any existing cross connection devices you have installed and if they appear to be working properly:

Any additional comments:

Please contact Elmer W. Handy at 540-586-7679 extension 103 if you have any questions about the program or this questionnaire. Please return your completed questionnaire to the Bedford County PSA located at 1723 Falling Creek Road, Bedford, VA 24523 by December 1, 2010. If you pay your bill by mail, you can mail your response in the same envelope that you mail your payment. Your cooperation is greatly appreciated!

Degree of Hazard	Method of Backflow	Pressure or Flow Conditions	Device or Safeguard
High	Back pressure OR backsiphonage	Continuous	Reduced pressure principle backflow prevention assembly (RPZ)
	Backsiphonage ONLY	Non-continuous	Pipe applied atmospheric vacuum breaker, hose bibb vacuum breaker, or wall hydrant with hose bibb vacuum breaker
		Continuous	Pressure vacuum breaker
Moderate	Back pressure OR backsiphonage	Continuous	Double gate-double check valve assembly
Low	Backsiphonage ONLY	Continuous	Dual check valve

Continuous means operating under continuous flow or pressure. This condition usually applies to devices that are installed inline, where valves may be installed downstream of the device.

Noncontinuous means operating intermittently, and applies to devices which are connected to hose bibbs, hydrants, or faucets that are open to the atmosphere. In these cases, valves are not located downstream of the device.



(1) Reduced pressure principle backflow prevention assembly (RPZ) (2) Hose bibb vacuum breaker
 (3) Pipe applied atmospheric vacuum breaker (4) Wall hydrant with hose bibb vacuum breaker
 (5) Pressure vacuum breaker (6) Double gate – double check assembly (7) Dual check valve

Cross Connection Control Program Backflow Prevention Assembly

Dear _Customer :

In order to comply with our cross connection control program the backflow prevention assembly instated at your residence needs to be tested by a certified tester. This device needs to be tested within 60 days from the date of this letter. The tester should have the necessary report forms, which must be completed and returned to the waterworks.

Should you need assistance in locating a certified tester or should you need additional information or time to complete the required work, please contact Elmer Handy at 540-586-7679 extension 103.