



COMMONWEALTH of VIRGINIA

B. Cameron Webb, MD, JD
State Health Commissioner

Department of Health
OFFICE OF DRINKING WATER
Culpeper Field Office

400 S. Main Street, 2nd Floor
Culpeper, VA 22701
Phone: 540-829-7340

April 24, 2026

SUBJECT: Fauquier County
Waterworks: FCWSA
PWSID: Multiple systems

Milas Smith
7172 Kennedy Road
Warrenton, VA 20187
Via Email: msmith@fcwsa.org

Dear Mr. Smith:

Please be advised that the cross-connection control plan (CCCP) dated March 16, 2025, for the Fauquier County Water and Sanitation Authority waterworks has been reviewed by this office and found to be satisfactory for the operation of the water system.

Approval of this program does not imply approval of specific backflow prevention devices that are currently installed or may be installed in the future.

If you have any questions, please contact Jeff Flashinski at Jeffrey.Flashinski@vdh.virginia.gov, or at 540-937-1389.

Sincerely,

Jeff Flashinski
District Engineer

Enclosed: FCWSA CCCP

cc: Jim Keating, FCWSA, jkeating@fcwsa.org
Rappahannock/Rapidan Area Health District

FAUQUIER COUNTY WATER AND SANITATION AUTHORITY CROSS-CONNECTION CONTROL PROGRAM

Purpose - Prevent intrusion of contamination into the Fauquier County Water and Sanitation Authority (FCWSA) distribution system from cross-connections and backflow using the following methods:

Separation at the service connection or installation of an appropriate backflow prevention device or assembly. Containment is the highest priority.

Application of point-of-use isolation in lieu of containment. The alternative of isolation in lieu of containment will be evaluated at each premise where containment is required.

Informing the consumer of the shared responsibility for water quality and assisting, where requested, in determining the degree of hazard. Informing consumers of the need for isolation beyond the service connection will be a continuing effort.

Ordinance. The Authority of this program comes from the FCWSA *Operating Code*. Specifically, the Cross-Connection Control Program (CCCP) is included as Part C of Volume 2 (Rules and Regulations) of the *Operating Code*.

Scope. This program builds on the requirements of the *Waterworks Regulations* (12VAC5-590-580, et seq.). Although much of the relevant *Waterworks Regulations* is repeated here, some elements not covered are still applicable to this program. Nothing in this program is intended to conflict with the *Waterworks Regulations*. Similarly, in accordance with 12VAC5-590-600.B., this program is not intended to conflict with the Uniform Statewide Building Code (USBC) and applicable building code regulations, or subsequent regulations promulgated by the Board of Housing and Community Development.

Responsibility. The authority of this program is limited to FCWSA, its customers, and Backflow Prevention Device Workers. However, other outside organizations play critical roles in this program. The outside organizations include, but are not limited to, the Fauquier County Building Official and the Fauquier County Health Department of the Virginia Department of Health (VDH). FCWSA will work with these and any other outside organizations, to the extent possible, to ensure the success of this program.

FCWSA – As the waterworks owner, FCWSA must establish and implement a CCCP consistent with the extent of the distribution system and the consumers served by the waterworks. FCWSA’s responsibility starts at the source and ends at the point of delivery (water meter). This responsibility includes installing, operating, testing, and maintaining approved backflow prevention assemblies/devices in FCWSA-owned and operated facilities.

Customer – The customer responsibility starts at the water meter and includes all of the customer’s water systems. The customer, at his own expense, shall install, operate, test, and maintain approved backflow prevention assemblies/devices as directed by FCWSA. The customer shall maintain accurate records of tests and repairs performed on backflow prevention assemblies/devices, and provide the FCWSA with copies of such records. The records shall be on forms approved or provided by the FCWSA. In the event of accidental pollution or contamination of the public or consumer’s potable water system due to backflow on or from the customer’s premises, the owner shall promptly take steps

to confine further spread of pollution or contamination with the customer's premises and shall immediately notify the FCWSA.

Backflow Prevention Device (BPD) Worker – The BPD Worker's responsibility is to make proper installation of backflow prevention assemblies/devices in accordance with the manufacturer's installation instructions and any additional instructions approved by FCWSA. The BPD Worker shall not change the design or operational characteristics of a device during repair or maintenance without prior written approval of the consumer's premise plumbing system owner and the FCWSA. The BPD worker is also responsible for making sure an assembly/device is working properly when it is installed and is required to submit a completed Backflow Preventer Installation Information form (FCWSA Form No. CCCP-0001) and a Backflow Prevention Device Test and Maintenance Report form (FCWSA Form No. CCCP-0002) to FCWSA. Persons testing and repairing backflow prevention assemblies and backflow prevention devices shall be certified by a Commonwealth of Virginia tradesman certification program (identified by DPOR as backflow prevention device workers).

Fauquier County Building Official – This outside entity enforces the USBC, which requires backflow prevention in certain situations. The USBC's responsibility begins at the point of delivery (water meter) and extends to all of the customer's water systems. In Fauquier County, this responsibility includes only the initial installation of the required backflow prevention device/assembly, or the backflow elimination method, because the County does not enforce the International Property Maintenance Code.

Fauquier County Health Department of VDH - This outside organization conducts food safety inspections of some facilities connected to the FCWSA system. The facilities include, but are not limited to, restaurants, nursing/senior living facilities, daycares, and mobile food units. They conduct a thorough pre-opening inspection that includes checking for cross-connections in accordance with the *Virginia Food Regulations*. They also do routine inspections of the same facilities. The focus of all of their inspections is the premise plumbing.

Administration - The Cross-Connection Control Program Administrator (hereafter referred to as the "Program Administrator") shall administer and enforce this program under the supervision of the Director of Operations. Whereas the Program Administrator will normally be a member of the Water Department, the Director of Operations has the authority, with the Executive Director's approval, to assign these duties outside that department. Within one year of assignment as the Program Administrator, this individual will successfully complete formal training. Experience in cross-connection control programs will be achieved through on-the-job training. A qualified Program Administrator will have formal training or one year of on-the-job experience, whichever comes first.

Procedures

General –

Each premise plumbing system will be assessed on a regular basis for cross-connection hazards. This program will use two categories of premise plumbing systems: residential and non-residential. Non-residential will include commercial, industrial, and institutional premise plumbing systems. Residential plumbing systems will be assessed by questionnaire, as detailed in section 6 B. Non-

residential plumbing systems will be assessed by an initial on-site survey that will determine the manner and periodicity of future assessments, as detailed in section 6 C.

The Program Administrator or designated representative will assess all Requests for Service and Building Permit Release (FCWSA Form No. DSVC-0004) and Requests for Plumbing Permit Release (FCWSA Form No. DSVC-0012) for cross connection control requirements prior to issuance of a permit release. The assessment will be based on the fixture count worksheet (FCWSA Form No. ENGR-0006 – Worksheet for Residential Water Meter Sizing or FCWSA Form No. ENGR-0007 – Worksheet for Commercial Water Meter Sizing) submitted with the permit release request. As necessary, the Program Administrator will coordinate with the Fauquier County Building Official on backflow prevention requirements beyond the service connection that result from this assessment.

A change in the account holder shall trigger completion of a new Customer Water System Self-Survey (FCWSA Form No. CCCP-0003 or FCWSA Form No. CCCP-0004, as appropriate). FCWSA Admin will direct the new customer to the FCWSA website to complete the form. The Program Administrator will inform FCWSA Admin once the form is received. If the form is not received, FCWSA Admin will send out the form with a letter (or welcome package) explaining the purpose and informing the customer to either return the form or complete it online. As a final effort, if the form is still not received, FCWSA Admin will call again to ask them to complete it. Depending on the potential hazard, FCWSA will not shut off service for failure to return the form.

All testable backflow prevention assemblies that provide containment must be tested annually. All Air gaps and physical disconnections that provide containment require an annual visual inspection.

It is the responsibility of the premise plumbing system owner to ensure that required backflow preventers are maintained and tested. The Program Administrator will review and track the Backflow Prevention Assembly Test and Maintenance Reports (FCWSA Form No. CCCP-0002). As staffing allows, the Program Administrator will notify the premises plumbing system owner by phone, email, or letter of any testing requirements at least 60 days prior to their annual due date.

All backflow prevention devices/assemblies or backflow elimination methods installed under this program shall be of an approved type and shall comply with the requirements of the USBC.

Device/Assembly Location. All devices/assemblies that provide containment should be located immediately after the meter on the customer's side of the meter. Customer requests to install their backflow prevention assembly (BPA) at a location other than the service connection are subject to the approval of the Program Administrator and the Building Official. If approval to install the BPA at a location downstream of the service connection is granted, the BPA shall be installed prior to any unprotected takeoffs.

Device/Assembly Installation - Any backflow prevention device/assembly shall be installed in accordance with the USBC and the manufacturer's instructions. Waterworks owners and premise plumbing system owners shall not allow the

installation of backflow prevention devices/assemblies with openings, outlets, or vents that are designed to operate or open during backflow prevention:

In areas subject to flooding or in pits;

In areas with atmospheric conditions that represent a contamination threat to the potable water supply; and

In such a manner as to be able to be bypassed.

FCWSA shall maintain acceptable working pressures in the distribution system to reduce the potential for backflow to occur. To this end, and in accordance with 12VAC5-590-510 C, FCWSA shall provide a minimum working pressure of 20 psi gauge (psig) at all service connections in all of its systems.

Residential Premise Plumbing Systems

FCWSA will assess residential premise plumbing systems for water customers using the Customer Water System Self-Survey (FCWSA Form No. CCCP-0003) every 3 years, as staffing allows, but not to exceed every 5 years. The results will be reviewed, and the Program Administrator or trained program representative will follow up as necessary. Based on the responses to the questionnaires, cross-connection control interviews will be scheduled, and, where appropriate, assemblies or separations necessary to provide containment and/or point-of-use isolation will be implemented.

According to FCWSA records, residential containment devices, specifically dual, independent check valves (ASSE # 1024), became standard as early as the 06/11/09 revision of FCWSA Detail WM-01 (Standard 5/8"x3/4" Water Meter Box & Fittings). Installation of dual check valves remains the standard as of the current 04/08/24 revision of FCWSA Detail WM-01 (Standard Water Meter Box & Fittings Up to 1"). All residential water meters will be monitored monthly by the Program Administrator using meter-monitoring software. The Program Administrator, in collaboration with the Water Department, will investigate any reports of major reverse flow. Based on the investigation, the Program Administrator will work with the Maintenance Department to install or replace the dual check valve at the meter.

Residential irrigation system BPAs may be located at the point of connection between the premise plumbing and the irrigation system, but before any irrigation system outlets, controls, or openings. This isolation, in lieu of the containment method of protection, is permitted to protect the customer from potential contamination from their own irrigation system. Under this scenario, the irrigation BPA is subject to this program.

12VAC5-590-600.H allows FCWSA to determine whether or not to maintain an inventory or records of single-family residences with fire protection systems, lawn sprinkler systems, or irrigation systems. Although it is the policy of FCWSA not to maintain an inventory or records, as staffing allows, the Program Administrator will create an inventory and will remind these customers of the requirements to maintain and test these assemblies.

Non-Residential Premise Plumbing Systems

The Program Administrator will arrange to have trained personnel conduct either an initial on-site or telephonic survey with the owner or owner's representative of each non-residential premise plumbing system connected to the FCWSA water

system. The surveys will be conducted by service district and over a two year period. The first district will be the New Baltimore service district with survey dates from May 2024 to May 2026. The FCWSA Executive Director will determine the sequence of surveys for the remaining service districts. The remaining service districts with non-residential water accounts are: Bealeton, Bethel Academy, Catlett, Green Meadows, Marshall, Opal, Paris, and The Plains. With the exception of the New Baltimore service district, non-residential customers will receive a Customer Water System Self-Survey for Non-Residential customers (FCWSA Form No. CCCP-0004). The objective of the survey will be to identify any existing backflow preventers that are not already monitored by this program and to determine if an on-site or telephonic survey is required.

Approximately 60 days prior to an on-site survey, non-residential accounts in the selected service district will receive an initial CCCP survey notification letter to inform owners of the upcoming survey (see Appendix F – Initial CCCP Survey Notification).

Approximately 30 days prior to an on-site survey, non-residential accounts in the selected service district will receive another CCCP survey notification letter to inform owners of the dates of the survey (see Appendix G – Scheduled CCCP Survey Notification).

The primary purpose of the on-site survey will be to determine the level of hazard and backflow requirements, which will dictate the manner and periodicity of future surveys. This will be done by investigating all water uses after it leaves the meter. During these surveys, each installed device/assembly or separation will be inspected for appropriateness, proper installation, and general appearance.

The results of the on-site survey with recommendations for containment devices, separations, and point-of-use isolation will be submitted to the Program Administrator for approval. A report will be filed with the Program Administrator, noting compliance issues and/or recommending repair, replacement of existing devices, separations, and/or installation of additional devices. The report will also include the periodicity for future surveys. Based on the report, the Program Administrator will send a compliance notice to the premise plumbing owner informing them whether the facility is compliant or outlining the necessary actions to become compliant (Appendix H – CCCP Compliance Notice).

Based on the initial on-site survey, the Program Administrator will arrange to have trained personnel conduct an on-site survey annually with the owner or owner's representative of each non-residential premise plumbing system identified in the following situations:

- A substance is handled in such a manner as to create an actual or potential hazard to a waterworks (this shall include premises having sources or systems containing process fluids or waters originating from a waterworks which are no longer under the control of the owner);

- There exists internal cross-connections that, in the judgment of the owner or the department, may not be easily correctable or have intricate or complex plumbing arrangements that make it impracticable to determine whether or not cross-connections exist;

There are security requirements or other prohibitions or restrictions that prevent the assessment of all potential cross-connections that may impair the quality of the water delivered;

There is a repeated history of cross-connections being established or reestablished;

There are fire protection systems, lawn sprinkler systems, or irrigation systems;

The owner or department can show that a potential cross-connection hazard exists.

Booster pumps or fire pumps connected to the waterworks.

Hospitals, mortuaries, clinics, veterinary establishments, nursing homes, and medical buildings;

Laboratories;

Piers, docks, and waterfront facilities;

Sewage treatment plants, sewage pumping stations, or storm water pumping stations;

Food and beverage processing plants;

Chemical plants, dyeing plants, and pharmaceutical plants;

Metal plating industries;

Petroleum or natural-gas processing or storage plants;

Radioactive materials processing plants or nuclear reactors;

Car washes and laundries;

Buildings with commercial, industrial, or institutional occupants served through a master meter;

Water loading facilities;

Slaughter houses and poultry processing plants;

Farms where the water is used for purposes other than household.

Commercial greenhouses and nurseries;

Health clubs with swimming pools, therapeutic baths, hot tubs, or saunas;

Paper and paper-product plants and printing plants;

Pesticide or exterminating companies and their vehicles with storage or mixing tanks;

Facilities that blend, store, package, transport, or treat chemicals, and their related vehicles;

Schools or colleges with laboratory facilities;

High-rise buildings (four or more stories);

Multi-use commercial, office, or warehouse facilities; and

Others specified by the owner or the department when reasonable cause can be shown for a potential backflow or cross-connection hazard.

All site plans and specifications for new or existing non-residential facilities will be reviewed by the Program Administrator, in coordination with the FCWSA Engineer, to determine the degree of possible cross-connection hazard. During this review, the Program Administrator will determine the backflow prevention requirements in accordance with this program. The site plans and specifications will not be approved until the plans show that backflow requirements will be met. Additionally, a beneficial use inspection will not be scheduled or performed until backflow information is provided, which includes

Backflow Preventer Installation Information (FCWSA Form No. CCCP-0001) and Backflow Prevention Assembly Test and Maintenance Report (FCWSA Form No. CCCP-0002).

Required devices/assemblies or separations shall be operational prior to issuance of a certificate to occupy. The facility owner is responsible for completing the initial testing of devices and verifying separations, and for submitting the test reports to the Program Administrator.

Non-residential water meters will be monitored monthly by the Program Administrator via meter monitoring software. The Program Administrator, in collaboration with the Water Department, will investigate reports of reverse flow. Based on the investigation, the Program Administrator will work with the owner or the owner's representative to resolve the issue. In cases where a non-residential premise's plumbing is a low hazard, the Program Administrator will work with the Maintenance Department to install or replace the dual check valve at the meter.

Program Enforcement

Under this program, FCWSA will discontinue water service if any of the following occur:

The premise plumbing system owner does not install, test, and maintain a required backflow prevention assembly or backflow elimination method in accordance with the applicable sections of this program or the *Waterworks Regulations*; or

The premise plumbing system owner allows a required backflow prevention assembly or backflow elimination method to become inoperable, or a required backflow prevention assembly or backflow elimination method is removed or bypassed; or

FCWSA knows an unprotected or inadequately protected cross-connection exists on the premises and determines that there is inadequate backflow prevention at the service connection; or

The premise plumbing system owner denies an on-site survey, and there is no containment BPA.

If any of the conditions in section 7 A are met, the Program Administrator shall do the following:

Send a compliance notice with a deadline of 30 calendar days to resolve the issue. The 30-day period will begin as of the date of the letter.

If the issue is not resolved or the premise plumbing system owner has not provided FCWSA an acceptable plan to resolve the issue within 30 calendar days, the Program Administrator shall send a second compliance notice with a deadline of 15 calendar days to resolve the issue. The second compliance will include a warning of termination of water service. The 15-day period will begin on the date of the letter.

In the event the situation is not corrected within the required timeframe, FCWSA shall discontinue service.

Addressing Backflow of Contaminants or Suspected Backflow.

The premise plumbing system owner, consumer (if not the premise plumbing system owner), Fauquier County Building Official, backflow device worker, or any other person should

report backflow of contamination or the suspicion of backflow to any one or all of the following persons:

Program Administrator

Phone: 540-349-2092

Email: CCCPAdministrator@fcwsa.org

Waterworks Operator – Phone: 540-349-2092

Virginia Department of Health, Culpeper Field Office

Phone: 540-829-7340

Email: ODWFieldOffice6@vdh.virginia.gov

Fauquier County Health Department

Phone: 540-347-6363

Email: FauquierEH@vdh.virginia.gov

The Program Administrator or the trained program representative will be responsible for investigating reports of contamination or suspected contamination and will be responsible for notifying the Virginia Department of Health, Culpeper Field Office, within one business day in the most expeditious manner (telephone and confirmed by email). A written report will be submitted by the 10th day of the month following the month during which backflow occurred, addressing the incident, its causes and effects, and safeguards required or other action taken.

In the event of backflow of contaminants into the FCWSA distribution system, the Program Administrator shall promptly take or cause corrective action to confine and eliminate the contamination. Actions may include:

Temporarily discontinue service to the facility in question until the cause is corrected.

Remove the service meter and flush the contamination from the service line to prevent further migration into the distribution system.

Flushing the distribution system.

Sampling to confirm satisfactory water quality.

Install, as appropriate, containment protection.

Policy for Typical Hazards

Auxiliary water systems. Premises with an auxiliary water system requesting a new service connection or reconnection to the waterworks must be assessed by on-site inspection for cross-connection hazards, and the appropriate separation must be installed, inspected, and operational prior to making the service connection. Residential connections switching from a private well to FCWSA water will require properly abandoning the well in accordance with VDH requirements (12VAC5-630-450). The premise owner will need to provide a copy of the VDH Well Inspection Statement to FCWSA prior to the connection, unless it is an emergency connection, in which case the VDH Well Inspection Statement can be provided after the connection.

Booster pumps or fire pumps. Premises having booster pumps or fire pumps connected to the waterworks shall have the pumps equipped with a pressure-sensing device to shut off or regulate flow to prevent the pump suction line pressure from falling below 20 psi gauge. FCWSA will conduct annual assessments of premises with booster or fire pumps to verify the maintenance of the pressure-sensing device. If an assessment is denied, then the customer will be notified in accordance with Section 7 of this Program.

Point-of-use isolation. If the Fauquier County Building Official allows any premise, residential or non-residential, to use point-of-use isolation protection in lieu of a containment device for a high-hazard fixture, that backflow assembly must be reported and tracked as part of this program. Premises assessed as low hazard that use point-of-use isolation protection will be contained by dual, independent check valves (ASSE # 1024) at the meter.

Temporary or emergency service connections. Temporary or emergency service connections shall be protected with a backflow prevention assembly or backflow prevention method. For connections made to fire hydrants for purposes such as filling tank trucks, construction activities, and landscaping, FCWSA will issue permits as part of its hydrant meter program. Although some of the issued hydrant meters include backflow preventers, FCWSA is phasing them out due to frequent issues and repairs. Therefore, FCWSA relies on the permit holder to adhere to the terms and conditions of the permit, which require the permit holder to establish an acceptable air gap for all tanks, trucks, or vessels into which public water is discharged or provide documentation of an approved A.S.S.E. backflow prevention device necessary to protect the FCWSA public water system. Volume 2 Part B of the *Operating Code* allows an initial fee of \$500.00 for unauthorized water use and an additional daily charge of \$500.00 if any FCWSA personnel see a violation of this policy.

Thermal Expansion. The Program Administrator will advise customers of the potential for thermal expansion as part of the public education program (see Appendix J – Public Education Information on Thermal Expansion). Solutions to thermal expansion will be at the discretion of the premise plumbing system owner and at the owner's expense.

Program Review/Update - The Program Administrator shall review this cross-connection control program, to include any associated cross-connection control plans, not less than every five years and update it as necessary to satisfy the requirements of 12VAC5-590-580, et seq. The Program Administrator shall submit program updates to the Office of Drinking Water to obtain approval.

Records

In accordance with 12VAC5-590-550.B.15., cross-connection control program records will be maintained for 10 years. Records will include the following:

- On-site survey results

- Testing, repairs, and maintenance of all backflow prevention assemblies, backflow elimination methods, and backflow prevention devices that provide containment. As staffing allows, this will include records for single-family residences with fire protection systems, lawn sprinkler systems, or irrigation systems.

- Residential containment device (ASSE #1024) installation or replacement

- Customer Water System Self-Surveys

Written CCCP plan documents, including documentation of periodic plan reviews, document revision, and approval letters shall be maintained by the program until superseded.

Appendices

The appendices to this document are:

Appendix A – CCCP Training

Appendix B – Backflow Preventer Installation Information

Appendix C - Backflow Prevention Assembly Test and Maintenance Report

Appendix D – Customer Water System Self Survey - Residential Water Customer

Appendix E - Customer Water System Self Survey – Non-Residential Water Customer

Appendix F – Initial CCCP Survey Notification

Appendix G - Scheduled CCCP Survey Notification

Appendix H - CCCP Compliance Notice

Appendix I – CCCP Compliance 2nd Notice

Appendix J – Annual Test Reminder for Residential Irrigation Systems

Appendix K – Public Education Information on Thermal Expansion

Appendix A – Training

A certificate of completion from an approved cross-connection control course will constitute training as required by 12VAC5-590-600. Below is a list of two approved courses. This is not an all-inclusive list. The Director of Operations will approve courses.

Cross Connection Control Devices: Inspection, Maintenance, and Testing – 16 Hour Course

Cross Connection Control Devices: Inspection, Maintenance, and Testing – 40 Hour Course

Appendix B – Backflow Preventer Installation Information

FAUQUIER COUNTY WATER AND SANITATION AUTHORITY
7172 KENNEDY ROAD • WARRENTON, VA 20187
PHONE (540) 349-2092 • FAX (540) 347-7689
WEBSITE: fcwsa.org

BACKFLOW PREVENTER INSTALLATION INFORMATION

In accordance with Volume 2, Part C of the FCWSA *Operating Code*, the backflow preventer installer is required to furnish the following information to the FCWSA immediately after installation:

Owner: _____

Service address where device is located: _____

Description of device's location and size: _____

Date of installation: _____

Type of device: _____

Manufacturer: _____

Model number: _____

Serial number: _____

Send this form to: CCCPAdministrator@fcwsa.org or Mail to: ATTN: CCCP Administrator

7172 Kennedy Road
Warrenton, VA 20187

If you have any questions about this form or the FCWSA Cross Connection Control Program, please contact our office at (540) 349-2092.

Backflow Prevention Assembly Test and Maintenance Report

Business Name: _____ Site Phone: _____
 Site Address: _____ City: _____ ZIP: _____
 Assembly Location: _____
(Please use dimensions and references-Lot lines, Property Lines, Curb and/or other permanent features/landmarks)

Internal : _____
(Please provide location description such as name of room and/or room/unit/suite number)

Date of test: _____

The cross-connection control device detailed hereon has been tested and maintained as required by the regulations of the Fauquier County Water and Sanitation Authority and is certified to comply with these regulations.

Make of device: _____ Size: _____
 Model number: _____ Located at: _____
 Serial number: _____

	Reduced Pressure Devices			Pressure Vacuum Breaker	
	Double Check Devices		Relief Valve	Air Inlet	Check Valve
	1st Check	2nd Check			
Initial Test	DC-Closed Tight <input type="checkbox"/> RP - _____ psid Leaked <input type="checkbox"/>	Closed Tight <input type="checkbox"/> Leaked <input type="checkbox"/>	Opened at _____ psid	Opened at _____ psid Did not open <input type="checkbox"/>	_____ psid Leaked <input type="checkbox"/>
Repairs and Materials Used					
Test After Repair	DC-Closed Tight <input type="checkbox"/> RP - _____ psid	Closed Tight <input type="checkbox"/>	Opened at _____ psid	Opened at _____ psid	_____ psid

The above is certified to be true.

Firm Name: _____
 Firm Address: _____

Certified Tester: _____
 Test Gauge No. _____
 Gauge Certification Date: _____

E-mail the completed form to: CCCPAdministrator@fcwsa.org



FAUQUIER COUNTY WATER AND SANITATION AUTHORITY

CUSTOMER WATER SYSTEM SELF-SURVEY

Name: _____ Date: _____
 Address: _____

_____ (City) _____ (State) _____ (Zip)
 Home Telephone: _____ Work Telephone: _____

Property Owner:

Name: _____

Address: _____
 _____ (City) _____ (State) _____ (Zip)

Telephone of property owner: _____ Cell Phone: _____

Account Number: _____ E-mail: _____

Please check any item that may apply to your premises:

<input type="checkbox"/>	Outside spigots without vacuum breakers	<input type="checkbox"/>	Steam or hot water heating system
<input type="checkbox"/>	Frost-proof spigot with vacuum breaker	<input type="checkbox"/>	Solar heating system
<input type="checkbox"/>	Frost-proof spigot without vacuum breaker	<input type="checkbox"/>	Pressure washers
<input type="checkbox"/>	Yard hydrant/yard spigot/standpipe	<input type="checkbox"/>	Pressure booster pump
<input type="checkbox"/>	Lawn irrigation sprinkler system	<input type="checkbox"/>	Animal watering trough
<input type="checkbox"/>	Swimming pool	<input type="checkbox"/>	Shampoo bowl/sink
<input type="checkbox"/>	Jacuzzi/hot tub	<input type="checkbox"/>	Dye vat
<input type="checkbox"/>	Fish pond/decorative bird bath with pump	<input type="checkbox"/>	Carbonated drink machine
<input type="checkbox"/>	Fire protection sprinkler system	<input type="checkbox"/>	Dialysis equipment
<input type="checkbox"/>	Private well, spring or cistern	<input type="checkbox"/>	Darkroom/photo development
<input type="checkbox"/>	Water storage tank	<input type="checkbox"/>	Baptismal pool
<input type="checkbox"/>	Mop sink/laundry sink/utility sink with hose bib threads	<input type="checkbox"/>	Hose end sprayers for fertilizer or other lawn chemical system applications

Please offer a brief description of any other items or treatment units (i.e., water softeners) connected to the water system on your property:

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

Additional comments: _____



CUSTOMER WATER SYSTEM SELF-SURVEY
 Commercial, Institutional, Multi-Family and Industrial Facilities

Date: _____
 Customer Name: _____
 Service Address: _____
 Business Name: _____

Water Service Type (Check ONE Box):

- Apartment Complex or Duplex (Total # of Units) _____
- Mobile Home Park (Total # of Trailers) _____
- Commercial
- Industrial
- Govt. or School
- Temporary Bldg./Construction
- Multi-Story Bldg. (# of Stories) _____

COMMERCIAL, INSTITUTIONAL, OR INDUSTRIAL SERVICES

Type of business: _____

Water is used for: _____

YARD IRRIGATION / SPRINKLER SERVICES

Does your facility have an in-ground irrigation system Yes No

FIRE SPRINKLER SERVICES

Does your facility have a fire sprinkler system Yes No

BACKFLOW PREVENTERS

Does your facility have a backflow preventer Yes No

If yes, Make: _____ Model: _____ Serial Number: _____

Additional Cross-Connection Control Comments: _____

FAUQUIER COUNTY WATER AND SANITATION AUTHORITY
7172 KENNEDY ROAD • WARRENTON, VA 20187
PHONE (540) 349-2092 • FAX (540) 347-7689
WEBSITE: fcwsa.org

MONTH XX, 2025

[BUSINESS NAME]
ADDRESS
Warrenton, VA 20187

BUSINESS NAME
[SERVICE ADDRESS]

Dear Customer,

The purpose of the FCWSA Cross-Connection Control Program (CCCP), as defined in Volume 2 Part C of the FCWSA *Operating Code*, is to help eliminate possible contamination of the public water distribution system. There are two required components of the program: (1) site survey, and (2) testing of backflow prevention assemblies.

FCWSA will be working with [CONTRACTOR] to conduct site surveys in the [WATER DISTRICT] Service District. According to our records, the facility(s) at the following address(es) is/are connected to the FCWSA water system in that service district: [SERVICE ADDRESS(ES)]. Thank you in advance for your cooperation in this matter.

As part of this program, a survey of your facility's internal water system is required. Surveyors will review your water system for connections that could contaminate the water distribution system. In the next few weeks, FCWSA will work with [CONTRACTOR] to develop a schedule of the surveys. Once we have a more specific time frame for your survey, we will send you a follow-up letter. Our surveyors will do their best to be on site that day; however, we may be on site a day or two before or after the scheduled date. The survey must be completed during normal business hours, 8:30 AM to 4:30 PM. If you need a more specific time, please call the number below.

You will be notified following the survey if modification(s) and/or testing of backflow prevention assemblies are necessary. Any costs associated with the replacement, modification, installation, and/or testing of backflow prevention assemblies are the responsibility of the property owner/manager and/or occupant.

We look forward to working with you in protecting the drinking water supply. If you have any questions or concerns, please contact us at 540-349-2092, between 8:30 a.m. and 4:30 p.m., Monday through Friday.

For additional information on FCWSA's CCCP, see our website at: <https://fcwsa.org/cross-connection-control-program>.

Sincerely,

James P. Keating
CCCP Administrator

FAUQUIER COUNTY WATER AND SANITATION AUTHORITY
7172 KENNEDY ROAD • WARRENTON, VA 20187
PHONE (540) 349-2092 • FAX (540) 347-7689
WEBSITE: fcwsa.org



Month XX, 2024

[CUSTOMER NAME]

Business Name

Address

City, VA 2XXXX

Business Name

[SERVICE LOCATION STREET ADDRESS]

Dear Customer,

The purpose of the FCWSA Cross-Connection Control Program (CCCP), as defined in Volume 2 Part C of the FCWSA *Operating Code*, is to help eliminate possible contamination of the public water distribution system. There are two required components of the program: (1) site survey, and (2) testing of backflow prevention assemblies.

FCWSA will be working with [CONTRACTOR] to conduct site surveys in the [SERVICE DISTRICT] Service District. Thank you in advance for your cooperation in this matter.

As part of this program, a survey of your facility's internal water system is required. Surveyors will review your water system for connections that could contaminate the water distribution system. Your survey will be on either [DATE] or [DATE]. The survey must be completed during normal business hours, 8:30 AM to 4:30 PM. If you need a more specific time, please call the number below.

You will be notified following the survey if modification(s) and/or testing of backflow prevention assemblies are necessary. Any costs associated with the replacement, modification, installation, and/or testing of backflow prevention assemblies are the responsibility of the property owner/manager and/or occupant.

We look forward to working with you in protecting the drinking water supply. If you have any questions or concerns, please contact us at 540-349-2092 ext 105, between 8:30 a.m. and 4:30 p.m., Monday through Friday.

For additional information on FCWSA's CCCP, see our website at: <https://fcwsa.org/cross-connection-control-program>.

Sincerely,

James P. Keating
CCCP Administrator

FAUQUIER COUNTY WATER AND SANITATION AUTHORITY
7172 KENNEDY ROAD • WARRENTON, VA 20187
PHONE (540) 349-2092 • FAX (540) 347-7689
WEBSITE: fcwsa.org

Month XX, 2024

[CUSTOMER NAME]

Business Name

Address

City, VA 2XXXX

Business Name

[SERVICE LOCATION STREET ADDRESS]

Dear Customer,

The purpose of the FCWSA Cross-Connection Control Program (CCCP), as defined in Volume 2 Part C of the FCWSA *Operating Code*, is to help eliminate possible contamination of the public water distribution system. There are two required components of the program: (1) site survey, and (2) testing of backflow prevention assemblies.

As part of this program, a survey of your facility's internal water system was completed on MONTH DAY YEAR. A [CONTRACTOR] surveyor reviewed your water system for any piping or connections that could possibly contaminate the water distribution system.

Your facility was found to be compliant with the CCCP. This survey is valid until your facility's next scheduled survey date. You will receive future notice for your next survey date.

Your facility was found non-compliant. Compliance with the CCCP requires....

A Reduced-Pressure Backflow Prevention Assembly requires testing by a State Certified Tester. We suggest that the licensed plumber installing the testable assembly also have the state certification to test assemblies. It must be tested immediately upon installation. Test results must be submitted to FCWSA on the enclosed form.

If your facility has backflow prevention assemblies that require testing, you will receive additional notice detailing the test requirements.

Call or email FCWSA within 30 days of the date of this letter to discuss your plan to resolve this issue.

For any questions or concerns, please contact us at 540-349-2092, between 8:30 a.m. and 4:30 p.m., Monday through Friday. For additional information on FCWSA's CCCP, see our website at:

<https://fcwsa.org/cross-connection-control-program>.

Sincerely,

James P. Keating
CCCP Administrator

FAUQUIER COUNTY WATER AND SANITATION AUTHORITY
7172 KENNEDY ROAD • WARRENTON, VA 20187
PHONE (540) 349-2092 • FAX (540) 347-7689
WEBSITE: fcwsa.org

Month XX, 2024

[CUSTOMER NAME]

Business Name

Address

City, VA 2XXXX

Business Name

[SERVICE LOCATION STREET ADDRESS]

Dear Customer,

As part of FCWSA's Cross-Connection Control Program (CCCP), a Cross-Connection Control Survey was performed at your facility on [DATE]. At that time, your facility was found non-compliant. Compliance with the CCCP requires *[list the corrective actions necessary for compliance]*. FCWSA sent you a letter of notification outlining the required corrective measures. The suspense for responding to that letter was [DATE]. To date, we have not received a response. In order to avoid water service interruption at this facility, please call or email within **fifteen (15) calendar days** of the date of this letter to discuss your plan to resolve this issue. Be advised that the issue need not be resolved within that time period. FCWSA is requesting a reasonable timeline for resolution.

For additional information on FCWSA's CCCP, see our website at: <https://fcwsa.org/cross-connection-control-program>. For any questions or concerns not addressed on the website, please contact us at 540-349-2092, between 8:30 a.m. and 4:30 p.m., Monday through Friday.

Sincerely,

James P. Keating
CCCP Administrator

FAUQUIER COUNTY WATER AND SANITATION AUTHORITY
7172 KENNEDY ROAD • WARRENTON, VA 20187
PHONE (540) 349-2092 • FAX (540) 347-7689
WEBSITE: fcwsa.org



MONTH XX, 202X

Dear Customer,

According to our records, you may have had a lawn irrigation system installed at some point, which included a backflow preventer. Irrigation equipment, which is often submerged, can be exposed to fertilizers, herbicides, pesticides, fecal matter, and other chemical and biological contaminants. The backflow preventer is intended to prevent potentially contaminated water from entering the rest of your plumbing system connected to our system.

Although some, but not all, water meters have a device called a dual check valve designed to prevent water from flowing from your system back into the public system, those devices are not testable and can fail over time. Therefore, the backflow preventer installed with your irrigation system is the primary protection of the public water system and your premise plumbing system.

If you have a backflow preventer, this is a reminder that the *Waterworks Regulations* require the testing of all testable backflow preventers annually and immediately after repairs or relocation (12VAC5-590-600.E.). The *Waterworks Regulations* also require the person testing and repairing backflow prevention assemblies be certified by a Commonwealth of Virginia tradesman certification program (identified by the Department of Professional and Occupational Regulation (DPOR) as backflow prevention device workers) (12VAC5-590-630.D.).

Once you have your backflow preventer tested by a certified tester, please mail or e-mail a copy of your annual test report (FCWSA Form No. CCCP-0002) to the following address:

ATTN: Cross Connection Control Program Administrator
7172 Kennedy Road
Warrenton, VA 20187
E-mail: CCCPAdministrator@fcwsa.org

If you are no longer using your irrigation system, FCWSA recommends permanently disconnecting it from the rest of your plumbing to eliminate the cross-connection. Please notify FCWSA when the work is complete.

If you believe there is an error in our records and do not have an irrigation system installed, please contact us using the information below.

We look forward to working with you in protecting the drinking water supply. If you have any questions or concerns, please contact us at 540-349-2092 ext. 105, between 8:30 a.m. and 4:30 p.m., Monday through Friday, or email us at cccpadministrator@fcwsa.org.

For additional information on FCWSA's CCCP, see our website at: <https://fcwsa.org/cross-connection-control-program>.

Sincerely,

James P. Keating
CCCP Administrator

The following information on thermal expansion can be provided to customers as part of the

Appendix J – Annual Test Reminder for Residential Irrigation Systems

public education program:

Normally, as water is heated and expands, it would back up in the service line into the main if no water were being used. Installation of backflow prevention devices or certain plumbing appurtenances (pressure reducing valves) at the service connection or within the consumer's premise plumbing prevents thermally expanded water from flowing from the premises into the distribution system. When the water heater is operating, water expands and pressure increases. Thermal expansion in a closed plumbing system under no-flow conditions may cause the emergency temperature and pressure relief valve to open and close frequently, reducing the life of plumbing fixtures and piping.

The temperature and pressure (T & P) relief valve is an emergency relief valve, not an operating control valve. If the T & P relief valve is used frequently, its useful life will be shortened, and it could cease to function.

Thermal expansion can cause damaging stress and strain to water heaters, solenoid valves, O-rings, float valves, pump seals, and plumbing fixtures or fittings.

Generally, 80 psi for a short period is the maximum pressure under no-flow conditions that most fixtures, appliances, or appurtenances should be subjected to.

Where thermal expansion is a problem, the following devices could be installed:

1. A bladder or diaphragm-type expansion tank;
2. An auxiliary pressure relief valve;
3. An anti-siphon ball cock with auxiliary relief valve into the toilet tank set at no more than 80 psi.

Installation should be in accordance with the manufacturer's instructions, the Uniform Statewide Building Code, and the National Sanitation Foundation.