



CROSS-CONNECTION CONTROL PROGRAM POLICY ON BACKFLOW PREVENTION

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***ISLE OF PALMS WATER & SEWER COMMISSION
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**CROSS-CONNECTION CONTROL PROGRAM
(BACKFLOW PREVENTION)**

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**CROSS-CONNECTION CONTROL PROGRAM
(BACKFLOW PREVENTION)**

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CROSS-CONNECTION CONTROL PROGRAM (BACKFLOW PREVENTION)

The Isle of Palms Water and Sewer Commission (The Commission) implemented a Cross-Control Program in 1992. This program was established to protect the Commission's potable water system from contamination due to backflow. Depending on the degree of hazard, most commercial, all irrigation and all fire sprinkler system customers will be required to install, test, and maintain a backflow prevention on their water service.

Backflow prevention assembly installations must meet requirements set by the University of Southern California Foundation for Cross-Connection Control and Hydraulic Research (USC-FCCC & HR), South Carolina Department of Health and Environmental Control (SC-DHEC), Southern Building Code Congress International's Standard Plumbing Code (SBCCI) and the Commission.

A partial list of approved backflow prevention assemblies is included in this policy. The Commission will consider for use on a case-by-case basis other approved backflow devices and manufacturers which appear on the USC-FCCC & HR Approval List. We strongly recommend contacting the Commission's Special Projects Administrator to obtain approval of the backflow prevention assembly and requirements prior to installation.

In response to the changes in water safety regulations, the Commission backflow prevention requirements are subject to change. These requirements are updated periodically and it is the owners/installers responsibility to possess the most current revision of these requirements.

**STEPS FOR GAINING COMMISSION APPROVAL
OF A NEW SERVICE BACKFLOW PREVENTION ASSEMBLY**

INITIAL INSTALLATION:

1. Customer applies and pays for water service.
2. The Commission provides customer with the IOPW&SC Backflow Information Sheet and Questionnaire.
3. Customer and/or plumber completes the Commission's Backflow Prevention Questionnaire and returns it to the Commission.
4. The Commission determines if a backflow prevention assembly is required and notifies the customer in writing within (2) days of receipt of the questionnaire with the type of backflow preventer required, if any.
5. If a backflow preventer is required, use the Commission's List of Approved Backflow Prevention Assemblies to make appropriate selection. *(See page 10-11)*
6. Have an approved backflow preventer installed to meet all the Commission requirements. Installation must be completed prior to water service being activated.
7. Installer notifies a Commission Customer Service Representative of the installation of a backflow preventer and schedules an inspection at (843)886-6148. Installer shall have device tested within five (5) business days of inspection notification and shall include the make, model, size and serial number of the backflow preventer installed and its location.
8. The Commission will turn on the water service only if the backflow preventer meets all requirements. If the assembly does not meet the requirements, corrections must be made prior to the Commission activating the water service.

BACKFLOW PREVENTER TEST:

1. Test backflow preventer, using a tester only from the Commission's **List of Certified Backflow Prevention Assembly Testers**. *(See page 14)*
2. Have a plumber or installer make any necessary repairs or corrections to the backflow preventer to meet all Commission requirements.
3. An approved Backflow Prevention Assembly Tester must return the test report to the Commission within five (5) business days of testing in order to meet all the Commission requirements. This will place the service in compliance for a period of one (1) year. You will be notified when the device should be tested again.

**CROSS-CONNECTION CONTROL PROGRAM REQUIREMENTS
FOR THE INSTALLATION OF BACKFLOW PREVENTION ASSEMBLIES**

I. BACKFLOW PREVENTION ASSEMBLIES SELECTION REQUIREMENTS:

- 1.1 Double Check Valve Assemblies and Reduced Pressure Principle Assemblies. Lawn Irrigation Systems **MUST** have a reduced Pressure Principle Assembly (RP) only.

Backflow Prevention Assembly's selection and installation meet the requirements set by the University of California Foundation Cross-Connection Control and Hydraulic Research (USC-FCCC & HR), South Carolina Department of Health and Environmental Control (SCDHEC), all State and Local plumbing codes and regulations and the Commission's specifications.

- 1.1.1 Backflow Prevention Assembly's selection and installation must be selected from the Commission's **List of Approved Prevention Assemblies**. (See page 10-11)
- 1.1.2 Only two (2) types of Backflow Prevention Assemblies are allowed for "containment" protection. These are:
- A. Double Check Valve Assembly (DCVA)
 - B. Reduced Pressure Principle Assembly (RP)
- 1.1.3 All Backflow Prevention Assemblies one and one half (1-1/2") inches and smaller must be equipped with full flow characteristic ball valves, one before, and one after the device, as shown on page 24 in the detail labeled; **"Typical 1-1/2" and Smaller Double Check Valve Assembly only and Backflow Preventer Below Ground Installation."**
- 1.1.4 All backflow prevention assemblies larger than two (2") inches must be equipped with full flow characteristic resilient wedge gate valves, one before, and one after the assembly. (See pages 17-19)
- A. Page 17: "Typical larger than 1-1/2" Double Check Valve Assembly only, Backflow Preventer Above Ground Installation."
 - B. Page 18: "Typical reduced Pressure Principle Assembly (All Sizes) Backflow Preventer Above Ground Installation."
 - C. Page 19: "Typical reduced Pressure Principle Assembly (All Sizes) Backflow Preventer Above Ground Installation with Enclosures."

1.1.5 Approved Backflow Prevention Assemblies

An approved Backflow Prevention Assembly includes four (4) test cocks, two (2) independently operated, spring loaded check valves, and two (2) shut-off valves, one on each side of the inlet, and outlet side. The Backflow Prevention Assemblies indicated on the tables shown on page 10, and 11 have been tested, evaluated, and approved by the USC-FCCC & HR with a specific set of manufacturers shut-off valves as an integral part of the assembly. The installation of a backflow preventer with valves other than those used by USC-FCCC & HR in the approval test(s) invalidates the USC-FCCC & HR approval rating. The Commission only approves the use of complete assemblies (device and valves) tested as a complete unit by USC-FCCC & HR approved Backflow Prevention Assemblies are purchased for installation.

II. BACKFLOW PREVENTION ASSEMBLIES INSTALLATION REQUIREMENTS:

Not all-commercial services will be required to install a backflow preventer. It is recommended, however, that whenever possible that the plumbing contractor leave approximately two (2) feet of copper or ductile iron pipe exposed from the floor or wall, twelve (12") inches to thirty-six (36") inches in height, prior to any water connections. This will provide an area to install a backflow preventer should the customer's water use change, and the Commission requires a backflow preventer in the future.

2.1 Double Check Valve Assemblies and Reduced Pressure Principle Assemblies

The Commission recommends that commercial backflow prevention assemblies be installed inside the building, such as a mechanical or equipment room. Inside installation prevents exposure to the elements and reduces the possibility of vandalism or freezing. The installation shall meet all Commission minimum and maximum clearance requirements and shall be accessible for testing and repair. The Commission reserves the right to make exceptions to installation requirements when the Commission determines there are unavoidable piping constraints and/or limited space available. All exceptions must be obtained in writing from the Commission prior to work being performed.

2.1.1 Backflow Prevention Assemblies must be installed according to manufacturer's specifications on the private property side of the water meter prior to the first service connection and shall be inspected by Commission.

2.1.2 Backflow Prevention Assemblies must be readily accessible for in-line maintenance and testing.

2.1.3 **Most Backflow Prevention Assemblies** must be installed in the horizontal position only (*See Section V, item 5.2, page 8*)

2.1.4 The Commission recommends that all above ground installations of Backflow Prevention Assemblies be protected from freezing without obstructing the test cocks or relief valve vent opening.

2.1.5 Only copper or ductile iron piping is acceptable for above ground installation of Backflow Prevention Assemblies of all sizes. Backflow Prevention Assemblies must be rigid and stable to provide maximum support and safety during testing and inspection. Appropriate thrust restraint measures, mechanical supports and concrete slab dimensions are to be determined by the owner/installer to provide rigid and stable support. The Commission reserves the right to require appropriate support and restraint measures as needed on a case-by-case basis. A minimum of one (1") feet of copper, bronze pipe or ductile iron pipe must be extended on inlet and outlet sides of Backflow Prevention Assemblies for rigid stability (*See Pages 17-19*)

2.1.6 Connections to any of the four (4) test cocks shall not be permitted. Connections include, but are not limited to: Hose bibs, wire gauges, or any other fittings.

2.1.7 All resilient wedge gate valves must be physically attached to the Backflow Prevention Assembly for the operation at the assembly, not on an outside wall or appurtenance. Variations may be granted in the case of piping constraints.

2.2 One and one half (1-1/2") Inch and Smaller Double Check Valve Assembly Installation

2.2.1 Above ground installation is required to prolong the life of the device. Below ground installations are not acceptable.

2.3 Larger than 1-1/2" Double Check Valve Assembly Installation

2.3.1 Installation must be above ground and meet all requirements as shown on Page 17, "Typical Larger than 1-1/2" Double Check Valve Assembly Only, Backflow Preventer Above

2.4 Reduced Pressure Principle Assembly Installation

- 2.4.1 Installation MUST BE ABOVE GROUND, and meet all requirements as shown on pages 18 and 19, “Typical Reduced Pressure Principle Assembly (All Sizes), Backflow Preventer Above Ground Installation” and “Typical Reduced Pressure Principle Assembly (All Sizes), Backflow Preventer Above Ground Installation with Enclosure.”
- a. Relief valve vent shall never become submerged. Relief valve drain must meet approved air gap requirements. The air-gap and funnel is only required for the installations inside the building where water exiting the relief valve vent needs to be channeled to atmosphere or to a floor drain. This piping must be, at least, equal to the relief valve vent opening. Air-gap requirement is equal to two (2) times the supply pipe diameter or one (1) inch, whichever is greater.
 - b. If above ground enclosure is used, two (2) drain holes equal in size to the relief valve vent opening shall be made at the base of the enclosure to ensure adequate drainage.
 - c. A minimum of twelve (12) inches and a maximum of thirty-six (36) inches of clearance between the relief valve vent and the finished grade under the relief valve vent is required on all Reduced Pressure Principle Backflow Assemblies.

2.5 Fire Service Installation

- 2.5.1 The Commission requires an approved Backflow Prevention Assembly on all fire sprinkler systems. This includes wet and dry systems.
- 2.5.2 Installation must be in accordance with the American Water Works Association (AWWA) manual M14, Chapter 6; Backflow Prevention and Fire Prevention, USC-FCCC & HR, and the Commissions specifications.
- 2.5.3 High Temperature Assemblies must be certified by the manufacturer as capable of withstanding elevated temperatures.
- 2.5.4 All Class Four (4), Five (5), and Six (6) Fire Sprinklers Services, and those that use foaming substances, antifreeze solutions, or anti-corrosive additives or other substances determined by the Commission to be a health hazard shall have a **Reduced Pressure Principle Backflow Assembly**.
- 2.5.5 No connections will be installed before the Backflow Prevention Assembly such as: lines, gauges, jockey pumps, booster pumps, or any other appurtenance.

The only connection allowed between the Commissions connection at the water main and the fire service backflow preventer is a domestic service line with a separate backflow preventer. **The domestic service line “tee” must always be prior to the fire service backflow preventer.** All other connections must be downstream of any backflow preventer, as shown on page 16, “*Meter and Backflow Schematic for Fire, Domestic, and Irrigation Services.*”

- 2.5.6 The resilient wedge gate valves must have an outside stem and yoke (OS&Y) or an approved indicating valve, as required by the National Fire Protection Association (NFPA).

III. TESTING:

3.1 Following Installation

A certified tester must test the Backflow Prevention Assembly (ies) immediately after installation and a minimum of once each subsequent year. The Commission reserves the right to require more frequent testing depending upon the degree of hazard.

3.2 Certified Tester

Backflow Prevention Assemblies protecting the Commission's distribution system **SHALL** be tested only by those certified testers whose names appear on the Commission's or SCDHEC's **List of Certified Backflow Prevention Assembly Testers**.

3.3 Test Results

A copy of the Passing or Failing test results must be received by the Commission within five (5) days after testing. The tester shall provide a copy to the customer. No fax.

3.4 Commission Backflow Preventer Follow-Up Testing

Commission personnel, or a tester contracted by the Commission, will conduct random follow-up testing of Backflow Prevention Assemblies to insure proper installation. The customer will be given advance notification of testing. The Commission may perform follow-up testing at any time for cause or to ensure system protection.

3.5 Backflow Preventer Repairs

All Backflow Prevention Assemblies must be tested after **ANY REPAIR** is made to the assembly. The test results must be received by the Commission within five (5) days after testing.

IV. REQUIREMENTS FOR EXISTING SERVICES:

4.1 Existing Backflow Prevention Assemblies found to be in NON-COMPLIANCE

All presently installed Backflow Prevention Assemblies which do not meet the requirements of this section, but were approved or accepted at the time of original installation and which have been properly maintained, shall be excluded from the requirements of these rules so long as the Commission is assured that the Backflow Preventer will adequately protect its water system. Whenever an existing assembly malfunctions, or fails to pass the annual, periodic, or random test, and it becomes necessary to replace the entire assembly, it must be replaced and installed in a manner consistent with the current Cross-Connection Control requirements. Routine check valve/relief valve or gate/ball valve repairs or replacement will not require the assembly to be re-piped or brought above ground. However, whenever the existing assembly is moved from the present location, or when the Commission finds that the assembly, for whatever reason, no longer ensures adequate protection for the degree of hazard present, the assembly shall be replaced with a Backflow Prevention Assembly meeting current Commission Cross-Connection Control requirements.

4.2 Change-out (Retro-fit)

All owners, plumbers, contractors, and installers must notify the Commission whenever they change-out a Backflow Preventer. This notification must be made within two (2) days and shall include the make, model, size, and serial number of the Backflow Preventer. **IT ALSO MUST BE TESTED AFTER THE CHANGE-OUT**. The Commission will then inspect the change-out for the conformance and to record/verify the Backflow Preventer make, model, size, and serial number. The Commission will make its inspection within two (2) days after receiving appropriate notification.

4.3 Compliance on Existing Water Services

A Backflow Prevention Assembly required by the Commission on any existing water service must be installed within thirty (30) days of the date from the written notification. Failure to comply may result in the water service being disconnected. **HIGHLY HAZARDOUS SITUATIONS MAY REQUIRE A MORE TIMELY INSTALLATION.**

4.4 Compliance on Existing Backflow Prevention Assemblies

Existing Backflow Prevention Assemblies are required to be tested annually as outlined under the Test Requirements. If any DHEC approved device fails, it shall be replaced with an IOPWSC approved Backflow Preventer device.

V. OTHER REQUIREMENTS:

5.1 By-Pass Piping

By-Pass piping is not permitted unless it is equipped with an approved Backflow Prevention Assembly similar to the main line assembly. In some instances, it may be desirable or necessary to install two (2) approved Backflow Preventers in order not to interrupt water services.

5.2 Vertical Installation

The Commission DOES NOT ALLOW VERTICAL INSTALLATION of Backflow Prevention Assemblies unless they have been tested and approved by the USC-FCCC & HR for vertical orientation. USC-FCCC & HR has evaluated the installation of Backflow Prevention Assemblies in the vertical position and approved several assemblies at this time. The Commission will review any findings and may modify this requirement at a later date. Please call for current USC-FCCC & HR vertical installation approvals.

5.3 **NO OWNER, CONTRACTOR, PLUMBER, TESTER OR ANY OTHER INDIVIDUAL SHALL REMOVE OR STRAIGHT PIPE A BACKFLOW PREVENTER**

5.4 Commission's List of Certified Backflow Testers

The Commission reserves the right to remove any certified tester from its approved List of Certified Backflow Preventer Assembly Testers found to be falsifying records, making unauthorized repairs to a Backflow Prevention Assembly, failing to demonstrate proper test procedures, or demonstrating a lack of knowledge in testing Backflow Prevention Assemblies. Any certified tester failing to conform to the Commissioner's Cross-Connection Control Program rules, policies, and/or standards will also be removed from the list of certified testers. A certified tester will be suspended from testing Backflow Prevention Assemblies when the accuracy of the testers gauge being used is found to be out of tolerance as indicated by that particular gauge manufacturer's specifications. When the gauge has been replaced, repaired/calibrated as per the manufacturer's specifications, the tester will be allowed to continue to perform backflow tests. The manufacturer's Approved Calibration Technician's result must be forwarded, in writing, to the Commission at least annually. The tester is responsible for sending the calibration verification to the Commission. The tester is responsible for having their gauge checked/calibrated once annually.

5.5 Certified Backflow Prevention Assembly Tester's Responsibility

The plumbing contractor/tester/repair technician will be responsible for the repairing or overhauling backflow prevention assemblies and making reports of such repairs to the customers and responsible authorities on forms approved by the Commission. The plumbing contractor/tester/repair technician shall include in the test report a list of the materials and replacement parts used. The plumbing contractor/tester/repair technician shall be equipped with and be competent to use all the necessary tools, gauges and other equipment to properly test, repair and maintain Backflow Prevention Assemblies. It will be the plumbing contractor/tester/repair technician's responsibility to ensure that **ONLY ORIGINAL MANUFACTURERS' PARTS ARE USED IN THE REPAIR OF OR REPLACEMENT OF PARTS**

IN A BACKFLOW PREVENTION ASSEMBLY. It will be the plumbing contractor/tester/repair technician's further responsibility not to change the design, material, or operational characteristics of an assembly during repair or maintenance without prior approval of the Commission, IT IS THE TESTER'S RESPONSIBILITY TO PROVIDE THE COMMISSION WITH THE ORIGINAL PASSING OR FAILING TEST REPORT WITHIN FIVE (5) CALENDAR DAYS OF THE TESTING AND TO PROVIDE THE TEST REPORT TO THE OWNER/CUSTOMER. TESTERS FAILING TO CONFORM TO THESE POLICIES MAY BE REMOVED FROM OUR LIST OF CERTIFIED BACKFLOW PREVENTION ASSEMBLY TESTERS.

**LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES
DOUBLE CHECK VALVE ASSEMBLIES**

This list includes only approved Double Check Valve Assemblies (DCVA) to protect the potable water system from backflow when a NON-HEALTH HAZARD is present. A non-health hazard may cause a potential threat to the physical properties of the public water system.

Company	Model	Size										
		3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10"
Ames	2000B	X	X	X	X	X						
Ames	2000SS	X	X	X	X	X	X	X	X	X	X	X
Ames	2000SS						X			X	X	
Conbraco	40-100 Series	X	X	X	X	X	X	X	X	X	X	X
Conbraco	40-104 A2T thru 40-108 A2T	X	X	X	X	X						
Conbraco	4S-100 Series						X	X	X	X		
Febco	805	X	X		X	X	X	X				
Febco	850 & 805Y	X	X		X	X	X	X	X	X	X	X
Febco	805YD						X	X	X	X	X	X
Febco	870 - 870V						X	X	X	X	X	X
Watts	709QT	X	X	X	X	X	X	X	X	X	X	X
Watts	709						X	X	X	X	X	X
Watts	007						X	X				
Watts	007QT	X	X		X	X						
Watts	007M1 & M2QT	X	X	X	X	X						
Watts	770 - 774							X	X	X	X	X
Wilkins	550 & 950	X	X	X	X	X	X	X	X	X	X	X
Wilkins	950XL & XLT	X	X	X	X	X						
Wilkins	950XLU	X	X		X	X						

The Commission reserves the right to add and/or remove any Backflow Preventer from the Commission's List of Approved Backflow Prevention Assemblies. This list is a partial list of USC – FCCC & HR and SCDHEC list of Approved Backflow Prevention Assemblies. **Please call before installation to verify that the selected assembly is an approved device for the Isle of Palms.**

**LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES
REDUCED PRESSURE PRINCIPLE ASSEMBLIES**

This list includes only approved **REDUCED PRESSURE PRINCIPLE ASSEMBLIES** to protect the potable water system from backflow when actual or potential Health Hazard is present. The term “**Health Hazard**” shall mean an actual or potential threat of contamination of a physical or toxic nature to the public potable water system to such a degree of intensity that the result would be a danger to health.

Company	Model	Size										
		3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"	10"
Ames	4000B	X	X	X	X	X						
Ames	4000-RP								X	X	X	X
Ames	4000SS	X	X	X	X	X	X	X	X	X	X	X
Conbraco	40-200Series	X	X	X	X	X	X	X	X	X	X	
Febco	825Y	X	X	X	X	X	X					
Febco	825, 825D, 825YD, 880 & 880-V						X	X	X	X	X	X
Febco	825YA, 825YR, & 835B	X	X		X	X						
Watts	909 & 009						X	X	X	X	X	X
Watts	909QT, 009QT, 009M1, M2QT	X	X	X	X	X						
Watts	990 & 992								X	X	X	X
Wilkins	575 & 975	X	X	X	X	X	X	X	X	X	X	X
Wilkins	975A & 975XL & XLMS	X	X	X	X	X						
Wilkins	975MS						X	X	X	X	X	X

The Commission reserves the right to add or remove any backflow preventer from the Commission’s List of Approved Backflow Assemblies. This list is a partial list of USC – FCCC & HR list of Approved Backflow Prevention Assemblies. **Please call before installation to verify that the selected assembly is an approved device for the Isle of Palms.**

CROSS-CONNECTION CONTROL QUESTIONNAIRE

Customer Notice

In order that we may accurately determine the proper, if any, Backflow Prevention Assembly required for your service, please complete this form and return it to the Commission at your earliest convenience. **FAILURE TO COMPLY WILL RESULT IN A DELAY IN THE INSTALLATION OF YOUR WATER SERVICE.**

Date: _____ Account Number: _____

Applicant: _____

Service Address: _____

Billing Address: _____

Proposed Account or Business Name: _____

Size Service Applied For: (Check One) 5/8" 1" 1½" 2" Other (____)

Service Type (Check One): Residential Duplex/Apartment Complex _____

Commercial Irrigation Temporary Building/Construction Dock Other _____

YARD SPRINKLER

In Ground System: Yes No Outside Faucet Only: Yes No

Type of Heads: Pop-up Shrub Soaker Other

Will your irrigation system be designed to add fertilizer, weed control, or other additives by using pressure, injection, or aspiration methods either manually or automatically?

Yes No

COMMERCIAL

Type of Business: (i.e. Doctor's Office, Restaurant, Catering, Video Rental/Sales, Clothing, Office, Gas Station, Laundromat, Dry Cleaners, Motel/Hotel, or Other)

PLEASE DEFINE BUSINESS: _____

Water Used for Cooking/Drinking: _____ Sanitary: _____ Processing: _____ Boilers: _____

Chillers: _____ Cooling Tower: _____ Equipment: _____ Other: _____

Are Corrosion Inhibitors, Chemical Treatments or Other Additives Used in Processing, Boilers, Chillers or Cooling Towers? YES NO

Auxiliary Water Storage: YES NO

Swimming Pool, Hot Tubs, or Spa: YES NO

FIRE SERVICE

YES NO

Type of System: Dry Sprinkler Wet Sprinkler Dry Riser Wet Riser

Hose Cabinets Supply by Hydrant or Fire Truck Only

Foaming Agents: YES NO Anti-Freeze Agents: YES NO:

Auxiliary Water Storage: YES NO Fire Jockey Pump Used: YES NO

Additional Information: _____

RESIDENTIAL/COMMERCIAL SWIMMING POOLS

YES: _____ NO: _____

In-Ground: YES _____ NO _____

Capacity of Pool in U.S. Gallons: _____ Gallons

Size and Location of Fill Line: _____

Type of Filter System: _____

Backwash Discharge Directed to: (Check One) _____ Sanitary Sewer _____ Storm Drain

_____ Drain Field _____ On Ground

TO BE SIGNED BY PERSON MAKING APPLICATION FOR WATER SERVICE

I hereby certify that all information furnished is complete and correct. I further acknowledge that incomplete or incorrect information may result in an additional or different requirement in so far as Backflow Prevention Assemblies at the water service connection are concerned.

Signature of Applicant: _____

Date: _____ Telephone No.: _____

COMMISSION USE ONLY

_____ Inch Reduced Pressure Principle Assembly

_____ Inch Air Gap _____ Inch Double Check Valve Assembly

_____ NO Backflow Preventer Required

Commission Reviewer's Signature: _____ Date: _____

Additional Notes: _____

LIST OF CERTIFIED BACKFLOW PREVENTION ASSEMBLY TESTERS

IOPWSC requires ALL Backflow Prevention Assembly Testing for our customers be performed by an approved tester. Please reference the link to DHEC's Website below for a list of DHEC Certified Inspectors in South Carolina. It will your responsibility to confirm that the inspector has a business license with the City of Isle of Palms. <http://www.scdhec.gov/Environment/docs/BackFlow/inspector%20tester%20list.pdf>

Date: _____

BACKFLOW PREVENTION ASSEMBLY TEST REPORT

PASSED: _____

FAILED: _____

Account Name/Business Name: _____

Account Address: _____ Account #: _____

Device Location: _____

Device Manufacturer: _____ Device Type: _____

Serial #: _____ Model: _____ Size: _____ Meter #: _____

	Check No. 1	Check No. 2	Relief Valve	PVB	Shut Off Valves		
Initial Test	<input type="checkbox"/> Held at _____ PSID	<input type="checkbox"/> Held at _____ PSID	<input type="checkbox"/> Opened at _____ PSID	<input type="checkbox"/> Air inlet at _____ PSID	Valve Type	#1 G or B	#2 G or B
	<input type="checkbox"/> Closed Tight <input type="checkbox"/> Leaked	<input type="checkbox"/> Closed Tight <input type="checkbox"/> Leaked	<input type="checkbox"/> Did not open	<input type="checkbox"/> Did not open <input type="checkbox"/> Check Held at _____ PSID	Closed Tight	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR	<input type="checkbox"/> CLEANED <input type="checkbox"/> REPLACED <input type="checkbox"/> Disc <input type="checkbox"/> Spring <input type="checkbox"/> Guide <input type="checkbox"/> Hinge Pin <input type="checkbox"/> Diaphragm <input type="checkbox"/> Module	<input type="checkbox"/> CLEANED <input type="checkbox"/> REPLACED <input type="checkbox"/> Disc <input type="checkbox"/> Spring <input type="checkbox"/> Guide <input type="checkbox"/> Hinge Pin <input type="checkbox"/> Diaphragm <input type="checkbox"/> Module	<input type="checkbox"/> CLEANED <input type="checkbox"/> REPLACED <input type="checkbox"/> Disc <input type="checkbox"/> Spring <input type="checkbox"/> Guide <input type="checkbox"/> Hinge Pin <input type="checkbox"/> Diaphragm <input type="checkbox"/> Module	<input type="checkbox"/> CLEANED <input type="checkbox"/> REPLACED <input type="checkbox"/> Air Inlet Disc <input type="checkbox"/> Air Inlet Spring <input type="checkbox"/> Check Disc <input type="checkbox"/> Check Spring <input type="checkbox"/> Float <input type="checkbox"/> Diaphragm	<input type="checkbox"/> CLEANED <input type="checkbox"/> REPLACED <input type="checkbox"/> REPAIR	<input type="checkbox"/>	<input type="checkbox"/>
	OTHER / NOTES: _____ _____ _____						
Final Test	_____ PSID <input type="checkbox"/> Closed Tight	_____ PSID <input type="checkbox"/> Closed Tight	<input type="checkbox"/> Opened at _____ PSID	Air Inlet _____ PSID CK Valve _____ PSID	Closed Tight	<input type="checkbox"/>	<input type="checkbox"/>

Method of Testing: _____ Type of Kit Used: _____

TESTER/REPAIRER CERTIFICATE: (Note: Test and/or Repairs must be either performed by a General Tester or Limited Tester Duly Certified by the South Carolina Department of Health and Environmental Control.)

I HEREBY CERTIFY THAT THE ABOVE TESTING AND/OR REPAIRS WERE PERFORMED BY

MYSELF, _____, AND THE INFORMATION IS CORRECT.
(PLEASE PRINT)

Tester's Signature: _____

Certificate Number: _____ Category: _____ General _____ Limited _____ Inspector/Tester

Company: _____ Telephone No.: _____

Customer Signature: _____ Telephone No.: _____

FOR OFFICE USE ONLY

Review By: _____

New Compliance Date: _____

Signature: _____

Date: _____