

Cross Connection Control

Backflow Packet

Prevention Basics

Backflow is the unwanted reverse flow in a potable water system. It can create serious health risks by introducing contaminants in the public drinking water supply due to back pressure or back siphonage from sources of unknown quality. It typically occurs during periods of pressure loss in the water system, caused by water main breaks, equipment failure, firefighting, etc. This potential contamination is mitigated by the installation of Backflow Prevention Devices, which are required by state law and building codes at locations and on uses determined to be likely hazards.

All public water systems in Texas are required to verify the installation and testing of backflow devices where mandated, upon installation (for lower risk) and annually for those in high health-hazard locations. (see here)

In Fairview, backflow test reports for initial installation on irrigation and fire suppression systems should be submitted to permits@fairviewtexas.org.

Initial installations on plumbing systems and irrigation systems must be permitted by the permits department and inspected by the inspections department.

Please schedule at inspections@fairviewtexas.org

Installations on the fire line must be permitted and inspected by the fire department.

Please schedule at fireinspections@fairviewtexas.org

Required documents:

- Calibration Report
- Bpat license
- Test Report
- Contractor registration

All required annual test reports should be submitted to Kay Shields at backflow@fairviewtexas.org.

Failure to provide these reports can result in citations, reporting to TCEQ licensing, and in extreme cases disconnection of water service.

PWS (Public Water Supply) - Town of Fairview PWS ID - 0430034 Address: 372 Town Place
Fairview, TX 75069 Attn: Kay Shields backflow@fairviewtexas.org

FEES:

- Initial & Annual Commercial Backflow Test \$ 25.00
- Initial only Residential Backflow Test \$ 25.00
- Backflow Prevention Assembly Test (*If the Town of Fairview performs test*)\$500.00
- Backflow Prevention Assembly Re-Test (*If the Town of Fairview performs Test*)\$150.00



Town of Fairview Permits & Inspections

372 Town Place

Fairview, TX. 75069

Backflow Tester Registration

Backflow assembly testers must annually register with the regulatory authority, provide proof of TCEQ certification, maintain testing equipment in proper working condition/ calibration, provide proof of backflow gauge accuracy certificate, and pay any required annual, nonrefundable, tester registration fee. Registration may be reviewed and revoked by the Town of Fairview if it is determined that the tester has:

- (1) Falsely, incompletely, or inaccurately reported assembly reports;
- (2) Used inaccurate gauges;
- (3) Used improper testing procedures; or
- (4) Created a threat to public health or the environment.

The following information is required to register with the Town of Fairview Permits & Inspections as a Backflow Tester.

Please print or type the following information

Registrant Information

Last Name: _____

First Name: _____

BPAT#: _____ BPAT Expiration: _____

Fireline Tester? Y / N *If yes, must attach letter stating permanent employee as well as registration with State Fire Marshall's office. Registrant's will not be listed as fire line testers without this information.

Business Association Information

Name of Company: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Ph#: _____ Fax# _____

Cell or other alternative ph#: _____

Equipment Information

Make/Model: _____ Serial#: _____

Calibration Expiration: _____

Make/Model: _____ Serial#: _____

Calibration Expiration: _____

Make/Model: _____ Serial#: _____

Calibration Expiration: _____

Applicant must attach proof of valid TCEQ license as well as valid equipment calibration certificate.

NOTE: **USE ONLY** The Town of Fairview **BACKFLOW TEST & MAINTENANCE REPORT** . If we receive any other test form other than from the Town of Fairview's report form, we will fail the test, notify you and ask you to submit the approval form within 3 days of receiving the fail test report form. Please refer to Town of Fairview website for approved form.

Signature of Registrant

Date

Form must be returned to: permits@fairviewtexas.org

Town of Fairview
372 Town Place Fairview Texas 75069



TOWN OF FAIRVIEW BACKFLOW TEST AND MAINTENANCE REPORT

TOWN OF FAIRVIEW PERMITS AND
INSPECTIONS

372 TOWN PLACE
FAIRVIEW, TEXAS
75069

The following form must be completed for each assembly tested. A signed and dated original must be submitted to the public water supplier for recordkeeping purposes:

NAME OF PWS:	TOWN OF FAIRVIEW
PWS ID#:	# 0430034
PWS MAILING ADDRESS:	372 TOWN PLACE FAIRVIEW TX 75069
PWS CONTACT PERSON:	DYLAN TAWWATER
ADDRESS OF SERVICE:	
SERVICE METER#	

The backflow prevention assembly detailed below has been tested and maintained as required by commission regulations and is certified to be operating within acceptable parameters.

- TYPE OF ASSEMBLY:**
- | | |
|--|--|
| <input type="checkbox"/> Reduced Pressure Principle [RPBA] | <input type="checkbox"/> Reduced Pressure Principle-Detector [RPBA-D] |
| <input type="checkbox"/> Double Check Valve [DCVA] | <input type="checkbox"/> Double Check-Detector [DCVA-D] |
| <input type="checkbox"/> Pressure Vacuum Breaker [PVB] | <input type="checkbox"/> Spill-Resistant Pressure Vacuum Breaker [PVB-D] |

- BPA Serves:** DOMESTIC FIRELINE IRRIGATION NEW DEVICE
 EXISTING DEVICE REPLACEMENT OF _____

- Is the assembly installed in accordance with manufacturer recommendations and/or local codes? Yes No
 Is the assembly installed on a non-potable water supply (auxiliary)? Yes No

Manufacturer:		Size:	
Model Number:		Located At:	
Serial Number:		Serves:	

TEST RESULT PASS <input type="checkbox"/> FAIL <input type="checkbox"/>	Reduced Pressure Principle Assembly			PVB & SVB	
	Double Check Valve Assembly		Relief Valve	Air Inlet	Check Valve
	1 st Check	2 nd Check			
Initial Test: Date: Time:	Held at ____ psid Closed Tight <input type="checkbox"/> Leaked <input type="checkbox"/>	Held at ____ psid Closed Tight <input type="checkbox"/> Leaked <input type="checkbox"/>	Opened at ____ psid Did not open <input type="checkbox"/>	Opened at ____ psid Did not open <input type="checkbox"/> Did it fully open (Yes <input type="checkbox"/> / No <input type="checkbox"/>	Held at ____ psid Leaked <input type="checkbox"/>
Repairs and Materials Used**					
Test After Repair: Date: Time:	Held at ____ psid Closed Tight <input type="checkbox"/>	Held at ____ psid Closed Tight <input type="checkbox"/>	Opened at ____ psid	Opened at ____ psid	Held at ____ psid

Differential Pressure Gauge Used:	Potable: <input type="checkbox"/>	Non-Potable: <input type="checkbox"/>
Make/Model:	SN:	Date tested for accuracy:
Remarks:		

The above is certified to be true at the time of testing.

Firm Name:	Certified Tester Name (Print/Type):	
Firm Address:	Certified Tester Name (Signature):	
Firm Phone #	BPAT License#	License Expiration Date:

* TEST RECORDS MUST BE KEPT FOR AT LEAST THREE YEARS [30 tac 290.46(b)]
 **USE ONLY MANUFACTURE'S REPLACEMENT PARTS

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	TYPE OF BACKFLOW PREVENTION ASSYMBLY REQUIRED
Animal Hospital	RP
Auxiliary Water Supply	RP
Breweries	RP
Carwash	RP
Chillers	RP
Commercial Laundry	RP
Cooling Towers	RP
Daries	RP
Dental Offices	RP
Doctor's Office	RP
Food and Beverage Processing Plants	RP
Funeral Home and Mortuary	RP
Green House and nursery	RP
Hospitals	RP
Laboratories	RP
Manufacturing Plants	RP
Metal Manufacturing, cleaning, processing	RP
Micro chip fabrication	RP
Petroleum Processing/storing	RP
Photo and Film Processing	RP
Premises where inspection is restricted or exempted	RP
Private individual unmonitored wells	RP
Septic system	RP
Commercial Fire protection systems utilizing chemicals or additives	RP- UL or FM & USC Assemblies Only
Commercial Fire systems without chemicals	DC-UL or FM & USC Approved Assemblies Only
Residential Single Family Fire Sprinkler System	DC-USC Assemblies Only
Stationary Construction Fire Hydrant Meters	RP or AG immediately adjacent to meter and one way discharge lines on trucks
Premises where any customer purchases water for the purpose of resale or distribution	RP or AG at each service connection
Premises where there is a history of cross connection being established or re-established	RP or AG
Animal Watering Sites	AG or RP
Non-Health Hazard	DC, PVB, SVB or RP at point of connection to hazard or at service connection prior to first branch line off customers service line.
Health Hazard	RP or AG
Carbonated Drink Machines	RP
Irrigation without septic on site	DC

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Situations which are not covered in the Table shall be evaluated on a case-by-case basis, and the required backflow prevention assembly shall be determined by the Building Official.

Installation requirements. All new, replacement, or reconditioned backflow prevention assemblies shall be installed in accordance with the International Plumbing Code, as adopted by the Town of Fairview and with the following standards, unless otherwise directed or approved by the Director of Utilities and or Building Official.

Plumbing permit required. Prior to the installation, relocation or replacement of a backflow assembly, a plumbing permit must be obtained from the building inspection department of the city.

Installation. The assembly shall not be in the same vault or meter box with the Towns water meter. All backflow assembly installation shall be done in accordance with the approval set forth in the list of approved backflow prevention assemblies issued by the University of Southern California Foundation for Cross-Connection Control and Hydraulic Research. If installed in a structure all backflow assemblies must be easily accessible for testing, repair or replacement.

Location. The owner or occupant must prove to the Town that no connections or tees are located between the meter and the backflow prevention assembly. The relief valve discharge on a reduced pressure backflow assembly (RP) shall not be solidly piped into a sump, sewer, drainage ditch, etc. Test cocks shall not be used as supply connections.

Air gap separation (AG). All piping from the service connection to the receiving tank shall be above grade and be entirely visible. No water use shall be provided from any point between the service connection and the air gap separation. The water inlet piping shall terminate at a distance of at least two (2) pipe diameters of the supply inlet, but in no case less than one (1) inch above the overflow rim of the receiving tank.

Reduced pressure backflow assemblies (RP). Reduced pressure backflow assemblies shall be installed above ground level and shall be placed a minimum of twelve (12) inches above the finished grade, no higher than five (5) feet, and accessible for testing and repair. A freeze-proof enclosure with a concrete slab at finished grade is recommended. Installation may be made inside the building in an area not susceptible to flooding. Proper free flowing/gravity drainage must be provided for the relief valve. If the drain line is to drain outside, then the termination point must be a minimum of twelve (12) inches above finished grade.

Double check valve assemblies (DC). Double check valve assemblies can be installed above finished grade in a freeze-proof enclosure or below grade in a vault. If assembly is installed below grade the test cocks must be plugged with corrosion resistant watertight plugs. Assembly may not be installed more than five (5) feet above the finished grade.

Bypass. If a bypass is installed around any approved backflow prevention assembly, the bypass must be protected from backflow/backpressure with the same type of backflow prevention assembly that it has bypassed. The backflow prevention assembly on the bypass must be installed according to the same requirements as the service line assembly.

Thermal expansion. The installation of a backflow assembly may create a closed system which may result in thermal expansion. It is the responsibility of the owner, occupant, manager, other person in control of

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any premises or the person responsible for the maintenance of a property to address the possibility of thermal expansion due to the required installation of backflow assemblies creating a closed system.