

Potable Water Use Ordinance

CITY OF FLOWOOD

POTABLE WATER USE ORDINANCE

Pursuant to Mississippi State Department of Health Environmental Regulations, Division 300, Part 301, it is the responsibility of the City of Flowood, Water and Sewer Division to protect its drinking water by instituting and enforcing a cross connection control program, Therefore, the following Ordinance is hereby adopted:

SECTION 1. DEFINITIONS

- (1) **Potable Water:** Water that is fit for human consumption.
- (2) **Non-Potable Water:** Water not fit for human consumption or of questionable quality.
- (3) **Cross Connection:** Any arrangement of piping where a potable water line is connected to non-potable water; it may be a pipe-to-pipe connection where potable and non-potable water lines are directly connected, or a pipe-to-water connection where the potable water outlet is submerged in non-potable water. If the potable and non-potable source are separated by gate valves, check valves or devices other than the appropriate backflow preventer as outlined by this ordinance, a cross connection exists. By-pass arrangements, jumper connections, swivel or change over assemblies, or other temporary or permanent assemblies through which, or because of which, backflow may occur are considered to be cross connections.
- (4) **Backflow:** The reversal of normal flow direction where water flows from the intended point of delivery towards the supply.
- (5) **Back Pressure Backflow:** Backflow caused by a lower pressure in the potable supply than at the point of delivery.
- (6) **Back Siphonage Backflow:** Backflow caused by a negative pressure in the potable supply line.
- (7) **Health Hazard, (High Hazard):** Contamination with the potential to endanger the health and well being of the consumer.
- (8) **Non-Health Hazard, (Low Hazard):** Contamination that will not endanger the health of the consumer, but does not meet established water quality standards for Public Water Systems.

SECTION 2 – BACKFLOW PREVENTION ASSEMBLY REQUIREMENT

- 2.01 Elimination and Protection of Cross Connections. Cross connections occurring within the City of Flowood Water & Sewer Division shall be eliminated or protected with the appropriate backflow preventer. Cross connections are eliminated by establishing an air gap between the potable and non-potable sources. Cross connections are protected by installing the appropriate backflow preventer. It shall be the responsibility of the owner of the cross connection to eliminate the cross connection or protect the cross connection with the appropriate backflow preventer.
- 2.02 Connections to Sewer. Direct connections, permanent or temporary, between the City of Flowood Water & Sewer Division of Castlewoods and a sanitary or storm sewer are prohibited.
- 2.03 Home Wells Connection to any source of water, other than the City of Flowood Water & Sewer Division including home wells, is prohibited unless the appropriate backflow preventer is installed.
- 2.04 Approved Backflow Prevention Assemblies Only backflow prevention assemblies approved by the Mississippi State Department of Health shall be installed.
- 2.05 Installation Requirements Reduced Pressure Principle Assemblies, double check valve assemblies, and pressure vacuum breakers shall be installed in a manner and location that provides adequate access for testing and repair of the assembly. Reduced pressure principle assemblies and double check valve assemblies shall not be subject to possible flooding. Reduced pressure principle assemblies and double check valve assemblies shall not be installed in a pit or enclosure below ground level.

SECTION 3 RESPONSIBILITY OF WATER SYSTEM

- 3.01 Surveys An authorized agent of the City of Flowood, utilizing written guidelines published by the Mississippi State Department of Health, shall conduct surveys and on-site visits as necessary locate existing cross connections. Single family dwellings and multi-family dwelling designed to house no more than eight families shall not be included in this survey unless there is reason to believe a cross connection exists. A survey of the water system shall be completed by August 1999. Upon completion of this survey, the responsible official of the City of Flowood shall certify to the Mississippi State Department of Health, on forms provided by the Department, that the required survey has been properly performed and completed in accordance with the written guidelines published by the Department.
- 3.02 Right to Entry The City of Flowood, acting through its agent, shall have the right to enter any non-residential building, during reasonable hours, to inspect the plumbing system installed in any such building or premises provided prior notification of the inspection is given. The Agent shall first obtain consent of the owner to enter any single family dwelling.

- 3.03 Classification of Hazard Each cross connection found will be classified as High Hazard or Low Hazard by the authorized agent of the City of Flowood. If a connection is found to be a high hazard cross connection, the owner of the connection shall be notified in writing within ten (10) days that the cross connection must be eliminated or protected by the appropriate backflow preventer within 90 days of notification. If the connection is found to be a low hazard cross connection the owner of the connection shall be notified in writing within 10 days, that the connection shall be eliminated or protected by the appropriate backflow preventer within one year of notification.
- 3.04 Selecting the Appropriate Backflow Preventer It shall be the responsibility of the City of Flowood acting through its agent, to determine the type of backflow preventer required at each cross connection and the location the backflow preventer will be installed. The type backflow preventer required location to be installed will be selected utilizing guidelines published by the Mississippi State Department of Health.
- 3.05 Existing Backflow Preventers Any backflow prevention device or assembly installed on the City of Flowood's Water system to protect the Water system against the possibility of backflow from a customer's water service prior to the adoption of this policy shall be governed by this policy. Existing backflow preventers shall be inspected and tested within 90 days of identification.
- 3.06 Review of Meter Applications The City of Flowood, acting through its agent, shall review all applications for new meters to determine if a cross connection will be created. The appropriate backflow preventer will be required at all new connections where a cross connection will be created.
- 3.07 Inspections The water system, acting through its agent, will periodically inspect any connection to the water system as deemed necessary to insure cross connections have not been created.
- 3.08 Record Keeping The City of Flowood shall maintain records of the type, size and location of each backflow preventer installed in the system, when each backflow preventer is due to be tested, and the results of each test. Records shall be maintained for five (5) years from date of test and inspection.

SECTION 4 TESTING

- 4.01 Tests Required Each reduced pressure principle backflow prevention assembly, double check valve assembly, and pressure vacuum breaker shall be tested immediately after installation, after repairs of any kind, and annually. Any backflow preventer found to be no-functional shall be repaired and re-tested within 14 days of the initial test.
- 4.02 Certified Testers Only backflow preventer testers certified by the Mississippi State Department of Health shall test backflow preventers located in the City of Flowood Water & Sewer Division of Castlewoods.

- 4.03 Notification The City of Flowood will notify the owner of each backflow preventer 60 days prior to the due date that the backflow preventer is due to be tested.

SECTION 5 VIOLATION AND PENALTIES

- 5.01 Refusal of Inspection If the owner of a connection refuses to let the Agent of the City of Flowood inspect that connection to determine if a cross connection exists, a reduced pressure principle backflow prevention assembly will be required at that connection and any and all penalties will apply as set forth by other ordinances.
- 5.02 Maintaining a Cross Connection If the owner of a connection, after having been informed that a cross connection exists at the connection, refuses to eliminate or protect the cross connection through the use of the appropriate backflow preventer, water service to the connection shall be terminated until such time as the owner complies with Mississippi State Department of Health regulations.

CERTIFICATION OF ADOPTION

This is to certify that the above Cross Connection Control Ordinance was adopted by the City of Flowood Water & Sewer Division on September 7, 1999 to become effective immediately after adoption.

Gary Rhoads, Mayor

ATTEST:

Julia Williams, City Clerk