

ORDINANCE NO. 736

AN ORDINANCE ADOPTING CROSS-CONNECTION
CONTROL STANDARDS FOR THE PROTECTION OF THE
WATER SYSTEM OF THE CITY OF MONTICELLO

WHEREAS, in compliance with the State of Arkansas Rules and Regulations Pertaining to Water Systems, Section VII.E, the City of Monticello finds it necessary for the health, safety and welfare of the people served by the water system of this City to adopt cross-connection standards which establish the requirements for the design, construction and maintenance of connections to the public water supply; and

WHEREAS, these standards are supplemental to and do not supercede or modify the Arkansas State Plumbing Code and its latest revisions under which the City operates; and

WHEREAS, the purposes of this ordinance are to provide for the protection of the potable water supply, to isolate at the service connection any actual or potential pollution or contamination within the consumer's premises and to provide a continuous, systematic and effective program of cross-connection control:

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF MONTICELLO, ARKANSAS, as follows:

SECTION 1. Definitions. As used within this ordinance, the following definitions shall apply:

Backflow shall mean a hydraulic condition, caused by a difference in pressures, in which non-potable water or other liquids flow into a potable water system.

Backflow Preventer shall mean a testable assembly to prevent backflow.

Double-Check Valve Assembly (hereinafter "DC") means a complete assembly meeting AWWA Standard C510 and the requirements of the Arkansas Plumbing Code consisting of two internally loaded, independently operating check valves between two tightly resilient-seated shutoff valves, with four (4) properly placed resilient seated test cocks.

Reduced-Pressure Principle Backflow Prevention Assembly (hereinafter "RP") means a complete assembly meeting AWWA Standard C511 and the requirements of the Arkansas State Plumbing Code consisting of a hydraulically operating, mechanically independent differential relief valve located between two independently operating internally loaded check valves that are located between two tightly closing resilient seated shutoff valves with four properly placed resilient-seated test cocks.

Air Gap (hereinafter "AG") means a physical separation between two piping systems.

SECTION 2. Application. This ordinance pertains to commercial and industrial establishments only. Single-family, residential dwelling units, unless involved in commercial operations, are exempt from the requirements of this ordinance except where they fall under the purview of the Arkansas Plumbing Code.

SECTION 3. Operating Criteria. The City of Monticello is given primary responsibility to evaluate the hazards inherent in supplying a consumer with water from the City's water system. In evaluating the potential hazard, the City may consider whether solid, liquid or gaseous pollutants or contaminants are, or may be, handled on the consumer's premises in such a manner as to possibly contaminate the public water system. When a hazard or potential hazard to the public water system is found on the consumer's premise, the consumer shall be required to install an approved backflow prevention assembly (BFP), or an air gap, at each public water connection in accordance with this ordinance's requirements. The type of BFP shall depend upon the degree of hazard involved. The degree of hazard shall be as described in AWWA -14 manual or as described below.

- a. In the case of any premise where there is an auxiliary water supply, connected to the plumbing system, the public water system shall be protected from the possibility of backflow by an RP at the service connection.
- b. In the case of any premise where substances are objectionable, but not hazardous to human health, and the likelihood exists of it being introduced into the public water system by virtue of a backflow occurrence, the public water system shall be protected by an AG or DC.

- c. In the case of any premise where there is any material, hazardous to human health, which is handled in such a fashion as to create an actual or potential threat to the public water system by virtue of a backflow occurrence, the public water system shall be protected by an AG or an RP.
- d. In the case of any premise where there are unprotected cross-connections, either actual or potential, the public water system shall be protected by an approved RP or an AG at the service connection.
- e. In the case of a premise where, because of security requirements or other prohibitions or restrictions, it is impossible or impractical to make a complete cross-connection survey, the public water system shall be protected by the installation of an approved RP or an AG at the service connection.

SECTION 4. Facilities Requiring Backflow Protection.

a. Types of facilities which shall ordinarily be required to install an RP or AG in accordance with the ASPC, shall include, but not be limited to, the following:

Automatic car washes

Auxiliary water systems (interconnected with the public water system)

Exterminators

Veterinary Clinics

Facilities with boilers, condenser water or chilled water systems.

Fire systems containing chemical additives

Hospitals, medical clinics, dental clinics, health clinics, sanitariums, mortuaries, morgues, autopsy facilities, nursing and convalescent homes

Irrigations systems and lawn sprinkler systems

Laboratories (industrial, commercial, photography, medical and school)

Commercial laundries

Radiator and battery shops

Restricted,, classified or other facilities closed to inspection.

Sand, gravel and concrete plants

Wastewater treatment plants, pump stations and storm water pumping facilities

Marinas and dockside facilities

Commercial swimming pools

Commercial farms using pesticides and herbicides

Establishments holding livestock for sale or slaughter including cattle, horses, hogs, poultry, emus, ostriches, llamas, rabbits, etc

Others facilities with suspected high hazards.

b. Types of facilities which shall ordinarily be required to install an DC or AG in accordance with the ASPC, shall include, but not be limited to, the following:

Buildings over four (4) stories

Buildings with water booster pumps

Beauty parlors and barber shops

Hotels and motels

Restaurants, cafeterias, fast-food marts and other food handling facilities

Fire sprinkler systems (without chemicals)

Other facilities with suspected medium hazards

SECTION 5. Approval of Backflow Prevention Devices. Any backflow prevention assembly required herein shall be an approved type which is in compliance with requirements of the Arkansas State Plumbing Code.

SECTION 6. Non-Compliance, Service Disconnection, Notice, Consent to Enter.

1. In emergency situations when the public potable water supply is being contaminated or is in immediate danger of contamination, the water service shall be disconnected.
2. No water service connection shall be installed on the premises of any consumer unless the public potable water system is protected as required by this ordinance.
3. Delivery of water premises of any consumer may be discontinued if any protective device required by this ordinance has not been installed, is defective or has been removed or bypassed. Discontinued water service shall not be resumed until conditions at the consumer's premise have been abated or corrected to the satisfaction of the City.
4. Upon discovery of a violation of this ordinance, written notice shall be given to the consumer. Notice of such violations shall state the basis of the violation, the correction required by this ordinance or the Arkansas State Plumbing Code and the date and time by which the violations are expected to be corrected. If violations are not corrected by the date and time as stated on the notice, the water supply shall be disconnected until such time as the violations cited are abated or corrected to the satisfaction of the City.
5. For the purpose of making any inspections or discharging the duties imposed by this ordinance, employees of the Monticello Water Department, the State Health Department and or the City Plumbing Inspector shall have the right to enter upon the premises of any consumer. Each consumer, as a condition of continued delivery of water to his premises, shall be considered as having stated his consent to the entry upon his premises by employees of the Monticello Water Department, the State Health Department and or the City Plumbing Inspector for the purposes stated herein.

SECTION 7. Ownership. Backflow prevention assemblies installed downstream of the water meter are owned by and are the responsibility of the customer of the water system.

SECTION 8. Installation and Costs. Customers whose facilities or premises requiring backflow prevention assemblies shall pay all costs associated with installation and testing of the appropriate size and type of backflow prevention assemblies under private contract. For newly constructed facilities, backflow prevention assemblies shall be installed prior to the final plumbing inspection. Backflow prevention assemblies shall be installed in accordance with the requirements of the Arkansas State Plumbing Code.

SECTION 9. Testing and Maintenance. The consumer shall be responsible for testing of the backflow prevention assembly by contract with a certified Assembly Test Technician within ten (10) days of installation and annually thereafter. The consumer shall furnish the City Water Department with a certificate if satisfactory testing by the anniversary date of the installation of the assembly. In instances where the City Water Department or the City Plumbing Inspector deems the hazard to be great enough, testing may be required at more frequent intervals. All costs of testing required by this ordinance shall be paid by the consumer. Any repairs required as a result of inspections or testing shall be arranged for and paid by the consumer through private contract with a certified Assembly Repair Technician. Records of inspections, testing and/or repairs to backflow prevention assemblies shall be kept by the Water Department and made available to the State Health Department upon request.

SECTION 10. Effective Date.

a. New Construction. All new construction within the City of Monticello for which building permits shall be issued following passage of this ordinance shall be required to be in compliance herewith.

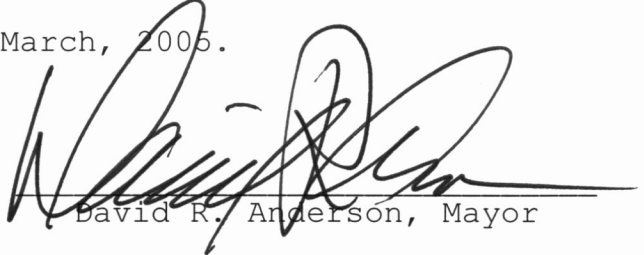
b. Existing Structures. Existing consumer premises shall be required to modify their water connection in compliance with this ordinance upon notification by the Water Department, the Plumbing Inspector or the State Health Department to make such modifications as are deemed appropriate.

Prior to notification by the City to install a backflow prevention assembly, should any consumer premises effected by this ordinance be required to make repairs to the water connection of the consumer premises to the City's water system (the "tie-on" or "tap"), the consumer shall be required to notify the City Water Department for a determination of whether the premises must install a backflow prevention assembly.

SECTION 11. Repealer. All resolutions or ordinances in conflict with this ordinance are repealed to the extent of any such conflict. All other provisions of this ordinances not deemed so repealed will continue in full force and effect.

SECTION 12. EMERGENCY CLAUSE. The provision of water and the protection of that water supply is essential for the health, safety and welfare of the City's water customers; therefore, an emergency is declared to exist, and this ordinance, being necessary for the health, safety and welfare of the customers of the City water system, shall be in full force and effect from and after its passage.

SO ORDAINED, this 17th day of March, 2006.



David R. Anderson, Mayor

Attest:



Cindy Fakouri, City Clerk/Treasurer