

Missouri-American Water Company
Name of Issuing Corporation

For

City of Joplin, MO and Vicinity
Community, Town or City

Rules, Regulations & Conditions of Service

6. Private Fire Protection Service

- A. Application for private fire protection service will be considered by the Company subject to the availability of water mains of sufficient size, and the furnishing of fire protection service shall be on the basis of pressure and volumes as may exist in the locality, which pressures and volumes are not guaranteed by the Company. The private fire protection service is not designed to extinguish a fire, but rather to suppress or retard its growth to protect persons and property.
- B. When fire flows are necessary (whether for a single premises or on a Master Water Service Line which is metered at its connection to the Company's main), the meter(s) must be capable of measuring a full range of flows required by the customer (both domestic and fire flows). The Customer with approval from the Company may choose the preferred method of:

A combination service line with a meter designed for both domestic flows and fire flows, typically referred to as a "fire flow" meter, or an approved meter by the Company. For residential single or two family premises combination services only, this meter may not be a "fire flow" meter designed and warranted for use on residential fire suppression systems. That portion of the dual purpose service line from the Company main to the property line shall be the property of the Company in consideration of its perpetual maintenance and upkeep excluding St. Louis County Operations.

Based on Customer's needs and premises requirements, the Customer with approval from the Company may also choose between:

- 1) a split service line configuration which uses a detector check meter(s) on the fire line and a meter suitable for the reasonably anticipated domestic usage requirements on the line not used for fire protection, or
- 2) a dedicated fire service line with detector check meter, which is separate from the domestic water service line.

If a Customer chooses a combination service configuration for a one or two family residential premises that is sized to meet fire flows, this service line will be considered an oversized Domestic Service Line and must conform to the rules for service connections as set forth in Rule 11. An "Application for Special Connection" must be completed and approved in writing by the Company, as well as by the applicable Fire Protection Authority.

A Customer who receives both domestic water and fire protection services through a combination or split service line acknowledges that discontinuance of service for any reason will result in the discontinuance of fire protection service.

- C. If unauthorized usage is made of the fire protection facilities, or unusual circumstances develop, the Company reserves the right, at any time, to install a meter or flow-detection device. In such circumstances the Company will provide the meter, but the cost of meter installation including necessary plumbing, fittings, vaults or meter settings necessary for the installation shall be paid by the Customer.

* Indicates new rate or text

+ Indicates change

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ISSUED BY: Frank Kartmann, President
727 Craig Road, St. Louis, MO 63141

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6. Private Fire Protection Service (Continued)

- D. All new Private Fire Service Line Connections shall include installations of a valve, as approved by the Company, of the same size as the service connection at the junction of the water main, along with an approved backflow prevention assembly with detection meter. The Company or Company's representative will make the service tap to its mains at the cost and expense of the Customer. The backflow assembly must be installed on the Customer's premises in an in-ground vault, above ground, or inside a building. The installation and operation of the backflow assembly must conform to the requirements of the Company and the Department. of Natural Resources and shall remain the sole responsibility of the Customer for periodic inspections, testing and maintenance by the Customer. Should a Customer fail to have the backflow assembly inspected, tested or maintained, the Company will refuse to continue service to the premise until such time as the Customer complies with the Rules.
- E. No Private Fire Service Line Connections shall be used for domestic, commercial or industrial use unless such connection is authorized by the Company in writing.
- F. All new sprinkler pipes and other private fire connection pipes shall be so placed as to be readily inspected. If the pipes are concealed on existing services or not readily identifiable, or if any authorized connections for other uses are in existence, meters shall be installed on each service at the expense of the Customer.

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6. Private Fire Protection Service (Continued)

G. The size of the private fire service connection shall be determined by the Company.

H. Customers desiring private fire service must consult, before installation, with the Company as to the availability of mains and pressure. In the event a private fire service connection is requested at a point not already served by a main of adequate capacity, at the sole discretion of the Company, a main extension will be required as provided in the rule for Extension of Company's Water Mains.

I. Private fire hydrants not installed on public right-of-way or on Company easement and connected to Company mains shall be subject to required contracts as provided in the Company's applicable rate schedule.

J. Any modifications to any existing service lines to retrofit a fire suppression system for either residential or commercial structures shall have written approval of the Company, applicable Fire Protection Authority, and the division of plumbing having jurisdiction of the premises to be served, prior to modification and or installation of said fire suppression system.

K. An applicant for Split, Combination Water Service lines, Special Connection(s) or dedicated fire service lines shall comply with all provisions specified in the Application for Special Connection, which may be modified, altered or changed from time to time by the Company.

L. Service connections for water to be used for the suppression of fire shall be made only upon the terms as provided for in the "Application for Special Connection" for such service, a copy of which is available at the Company's office, and then only after such application has been approved in writing by the Company, as well as by the applicable Fire Protection Authority.

M. A valve controlling the entire supply, as approved by the Company, shall be placed either at the curb or at such other point as may be approved by the Company, and said valve shall be at the expense of the Customer, and any valve pit or vault which may be required will also be furnished by and at the expense of the Customer.

N. Where split services are used for both general and fire purposes, separate charges will be made for each type of service in accordance with the established schedule of rates.

O. The Company shall not be considered in any manner an insurer of property or persons, or to have undertaken to extinguish fire or to protect any persons or property against loss or damage by fire, or otherwise.

P. The Company shall not in any way or under any circumstance be held liable or responsible for personal injury, death, property damage, or any other claim of loss following or resulting from: the termination or discontinuance of a Customer's service; a deficiency in the pressure, volume or supply of water due to the malfunction or failure of a meter; or a deficiency in the pressure, volume or supply of water while meters or service lines are being repaired or replaced, unless such injury, damage or loss is due to the willful misconduct or gross negligence of the Company.

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18. CROSS-CONNECTION AND INTERCONNECTIONS – Continued

I. Cross-Connection. A cross-connection is any pipe, valve or other arrangement or device, connecting the pipe lines of the Company or facilities directly or indirectly connected therewith, to and with pipes or fixtures supplied with water from any source other than the lines of the Company directly connected.

II. Interconnection. An interconnection is a plumbing arrangement, other than a cross-connection, by which contamination might be admitted or drawn into the distribution system of the Company, or into lines connected therewith, which are used for the conveyance of potable water.

- (C) If a public water supply is used as a secondary supply delivered either to an elevated tank or suction tank supplied with water from a source or system with which physical connections are not permitted by this regulation, such tank or tanks shall be open to atmospheric pressure, and the water from the public water supply system shall be discharged into the tank at an elevation above the overflow level of the tank or tanks, and the tank overflow shall be of adequate size to fix definitely the maximum overflow level.
- (D) The making, causing or permitting of the installation or existence of an interconnection or cross-connection shall constitute a violation of the Rules and Regulations of the Company, and such prohibited connection shall be removed forthwith in a manner acceptable to the Company and to the duly constituted plumbing inspectors and public health officials. Failure to do so within two days from and after date of notification by the Company may result in discontinuance of water service.

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(E) Fire Protection Systems

- a. All new fire protection systems, other than residential systems utilizing a combination service line for one and two family premises, connected to the Company's water supply shall be protected from back pressure and back siphonage by one of the following testable devices:
 - Double Check Detector assembly (DCDA).
 - Reduced Pressure Detector Assembly (RPDA).
- b. Fire protection systems that contain antifreeze, fire retardant, or other chemicals must be equipped with an RPDA.
- c. A reduced pressure assembly (RP) may be used to isolate a branch line(s) of the fire service that contains chemicals, at the discretion of the Company. In this case, a DCDA may be installed as the containment assembly.
- d. Existing fire protection systems must be equipped, at a minimum, with a double check valve assembly (DC) unless the system contains chemicals. In this case, the system must be equipped with an RP.
- e. When an existing fire protection system equipped with a DC is extended or renovated, the system's backflow prevention device must be upgraded to a DCDA.

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