

DEFINITIONS – ADDENDUM #1

- 1) Administrative Authority: For the purposes of this section the administrative authority shall be the Urbandale Water Utility.
- 2) AMR: AMR is the automated meter reading unit.
- 3) Approved Backflow Prevention Assembly for Containment: A backflow prevention assembly, which is listed by the University of Southern California-Foundation for Cross Connection Control and Hydraulic Research as having met the requirements of ANSI-AWWA Standard C510-89, “Double Check Valve Backflow-Prevention Assemblies”, or ANSI-AWWA Standard C511-89, “Reduced-Pressure Principle Backflow-Prevention Assemblies” for containment. The listing shall include the limitations of use based on the degree of hazard. The backflow prevention assembly shall also be listed by the International Association of Plumbing and Mechanical Officials.
- 4) Approved Backflow Prevention Assembly for Containment in a Fire Protection System: A backflow prevention assembly to be used in a fire protection system which meets the requirements of Factory Mutual Research Corporation (FM) and Underwriters Laboratory (UL) and the requirements of the fire code and the building code of the City of Urbandale, in addition to the requirements of paragraph 1. Devices sized smaller than 2 ½" which have not been listed by Underwriters Laboratory (UL) and tested by Factory Mutual Research Corporation (FM) may be allowed if they meet the requirements of the fire code and the building code of the City of Urbandale.
- 5) Appurtenance: Anything attached to water piping that it becomes a part of that property.
- 6) Auxiliary Water Supply: Any water supply on or available to the premises other than the water purveyor’s approved public water supply such as, but not limited to a private well, pond, or river.
- 7) **Circulating Fire System: A system in which the water for both the domestic and the fire system needs are designed as one system. Addendum #1.**
- 8) Containment: A method of backflow prevention that requires the installation of a backflow prevention assembly at the water service entrance.
- 9) Cross Connection: Any actual or potential connection or arrangement, physical or otherwise, between a potable water supply system and any plumbing fixture or tank, receptacle, equipment, or device, through which it may be possible for non-potable, used, unclean, polluted and contaminated water, or other substance, to enter into any part of such potable water system under any condition.
- 10) Customer: The owner, operator, occupant of a building or property which has a water service from a public water system, or the owner or operator of a private water system which has a water service from a public water system.
- 11) Degree of Hazard: The rating of a cross connection or water service that indicates if it has the potential to cause contamination or pollution.
- 12) Double Check Valve Backflow Prevention Assembly: A backflow prevention device consisting of two independently acting internally loaded check valves, four properly located test cocks and two isolation valves.

- 13) High Hazard Cross Connection: A high hazard cross connection is a cross connection which may cause an impairment of the quality of the potable water by creating an actual hazard to the public health, through the spread of disease by sewage, industrial fluids, or waste.
- 14) Isolation: A method of backflow prevention in which a backflow prevention assembly is located at the cross connection rather than at the water service entrance.
- 15) Low Hazard Cross Connection: A low hazard cross connection is a cross connection which may cause an impairment of the quality of the potable water to a degree which does not create a hazard to the public health, but which does adversely and unreasonably affect the aesthetic qualities of such potable waters for domestic use.
- 16) **Non-Circulating Fire System: A system in which the fire system piping is separate from the domestic water supply. This system requires a backflow preventer to be installed. Addendum #1.**
- 17) Private Fire Protection System: Private fire protection systems consist of a connection to the Water Utility main for any or all of the following: standpipe(s), automatic sprinkler system(s), fire pump(s), or fire hydrant(s).
- 18) Reduced Pressure Principle Backflow Prevention Assembly: A backflow prevention device consisting of two independently acting internally loaded check valves, a different pressure relief valve, four properly located test cock and two isolation valves.
- 19) Registered Backflow Prevention Assembly Technician: A person who is registered by the State of Iowa to test or repair backflow prevention assemblies and report on the condition of those assemblies.
- 20) Rules and Regulations: The term Rules and Regulations shall mean the Urbandale Water Utility's Rules and Regulations.
- 21) Service Line: A service line is comprised of the piping and related appurtenances including the corporation installed from the water main to the outlet connection of the first shut off device within the building to be served.
- 22) Standard Specifications: The term Standard Specifications shall mean the Urbandale Water Utility's Standard Specifications for Water Mains and Appurtenances.
- 23) Thermal Expansion: Volumetric increase of water due to heating resulting in increased pressure in a closed system.
- 24) Water Service: Depending on the context, water service is a physical connection between a public water system and a customer's building, property, or private water system, or the act of providing potable water to a customer.
- 25) Water Shortage Plan: A systematic response to managing system demands so customers do not experience pressure, quality, or availability issues during periods of extreme water demand or during other times when water availability may be limited due to other events, such as raw water shortage, water quality events, or system failures.
- 26) Water Board: The Water Board shall mean the Urbandale Water Board of Trustees.
- 27) Water Utility: Water Utility shall mean the Urbandale Water Utility.