

City of Roberts
PWS# ID7260035

Cross Connection Control Policy

SECTION 1. CROSS-CONNECTION CONTROL – GENERAL POLICY

1.1. **Purpose.** The purpose of this Policy (the term “Policy”, herein used, shall mean the “City of Roberts Subdivision Cross Connection Control Policy”) is:

1.1.1. To protect the public potable water supply of City of Roberts from the possibility of contamination or pollution by isolating at the source such contaminants or pollutants which could backflow into the public water system; and,

1.1.2. To promote the elimination or control of existing cross connections, actual or potential, and,

1.1.3. To provide for the maintenance of a continuing program of cross connection control, which will systematically and effectively prevent the contamination or pollution of all potable water systems.

1.2. **Responsibility.** City of Roberts shall be responsible for the protection of its public potable water distribution system from contamination or pollution due to the backflow of contaminants or pollutants. City of Roberts customers are responsible for aiding in City of Roberts’s Cross Connection Control Policy by maintaining proper protective measures within their individual home plumbing systems. City of Roberts has the responsibility to require water customers to install and continually operate and maintain approved backflow-prevention devices or assemblies wherever deemed appropriate in order to be in compliance with IDAPA 58.01.08.552.06 and UPC 603.

SECTION 2. DEFINITIONS

2.1. **Approved.** 1) The term "approved" as herein used in reference to a water supply shall mean a public water supply that has been approved by the Idaho Department of Environmental Quality. 2) The term "approved" as herein used in reference to an air gap, a double check valve assembly, a reduced pressure principle backflow prevention assembly or other backflow prevention assemblies or methods shall mean approved per Uniform Plumbing Code 603.

2.2. **Auxiliary Water Supply.** Any water supply on or available to the premises other than City of Roberts’s approved public water supply. These auxiliary waters may include water from a purveyor other than City of Roberts, private well sources, or any natural source(s) such as a spring, river, stream, used waters, or industrial fluids. These waters may be contaminated or polluted, or they may be objectionable and constitute an unacceptable water source over which City of Roberts does not have sanitary control.

2.3. **Backflow.** The undesirable reversal of flow of water or mixtures of water and other liquids, gases, or other substances into the distribution pipes of the potable supply of water from any source or sources.

- 2.4. **Backpressure.** Any elevation of pressure in the downstream piping system above the supply pressure at the point of consideration, which would cause reversal of the normal direction of flow. This could be caused by pumps, elevation, steam pressure, air pressure, etc.
- 2.5. **Backsiphonage.** Backflow caused by negative or reduced pressure in the supply piping.
- 2.6. **Backflow Prevention Assembly.** A mechanical device designed to prevent backflow that can be tested in line. Each assembly should contain two resilient seated shut off valves, test cocks for testing purposes, and a backflow prevention unit. Types of assembly will be determined by degree of hazard and backflow condition.
- 2.7. **Contamination.** An impairment of a potable water supply by the introduction or admission of any foreign substance that degrades the quality and creates a health hazard.
- 2.8. **Cross Connection.** A connection or potential connection between any part of a potable water system and any other environment containing other substances in a manner that has the potential to allow such substances to enter the potable water system. Other substances may be gases, liquids or solids, such as chemicals, waste products, steam, water from other sources (potable or nonpotable), or any matter that may change the color or add odor to the water.
- 2.9. **Cross Connections Controlled.** A connection between a potable water system and a non potable water system with an approved backflow prevention assembly properly installed and maintained so that it will continuously afford the protection commensurate with the degree of hazard.
- 2.10. **Cross Connection Control by Containment.** The installation of an approved backflow-prevention assembly at the water service connection to any customer's premises, where it is physically and economically unfeasible to find and permanently eliminate or control all actual or potential cross-connections within the customer's water system; or it shall mean the installation of an approved backflow-prevention assembly on the service line leading to and supplying a portion of a customer's water system where there are actual or potential cross-connections that cannot be effectively eliminated or controlled at the point of the cross-connection.
- 2.11. **Cross Connection Control by Internal Protection.** Fixture isolation and/or isolation of an area or zone. Protection at the fixture means installing an approved backflow preventer at the source of the potential hazard within a specific area.
- 2.12. **Hazard, Degree of.** The term is derived from an evaluation of the potential risk to public health and the adverse effect of the hazard upon the potable water system.
- 2.12.1. **Hazard: Health.** A cross connection or potential cross connection involving any substance that could, if introduced into the potable water supply, cause death or illness, spread disease, or have a high probability of causing such effects.
- 2.12.2. **Hazard: Plumbing.** A plumbing-type cross connection in a consumer's potable water system that has not been properly protected by an approved air gap or an approved backflow-prevention assembly.
- 2.12.3. **Hazard: Pollution.** A cross-connection or potential cross-connection involving any substance that generally would not be a health hazard but would constitute a nuisance or be aesthetically objectionable, if introduced into the potable water supply.