

41-01138

DESERT MOBILE HOME ESTATES AMMENDMENT TO PARK RULES AND REGULATIONS

CROSS CONNECTION ORDINANCE

Pursuant to Chapter 333, Division 61 of the Oregon Administrative Rules, it is the responsibility of Desert Mobile Home Estates to protect its drinking water by establishing and enforcing a cross-connection control program.

GENERAL STATEMENT

- (1) The purpose of this program is to insure that no cross-connection will exist in Desert Mobile Home Estates community Water System. These standards set forth minimum requirements for the safe practice in the delivery of water for domestic use. They are to be interpreted as meeting only the minimum requirements of design, construction, maintenance, and operation of the water system.
- (2) For the purpose of these minimum requirements, the use of the word "shall" indicates a mandatory requirement and the use of the word "should" indicates a recommendation for good waterworks practice.

WATER SYSTEM

- (1) The Water system shall be considered as made up of two parts: The Desert Mobile Home Estates system and the Tenant System.
- (2) The Desert Mobile Home Estates system shall consist of the source of facilities and the distribution system, and shall include all those facilities of the water system under the complete control of the Desert Mobile Home Estates, up to the point where the Tenant system begins, at the mobile home connection to Desert Mobile Home Estates system.
- (3) The Tenant System shall include those parts of the facilities which convey domestic water to points of the use beyond the termination of the Desert Mobile Home Estates system.

CONNECTION WITH TENANT SYSTEM

- (1) As used in these standards, unless the context requires otherwise, the following definitions shall apply:
 - A.) "Air Gap Separation" means a physical separation between the free flowing discharge end of a potable water supply pipeline and the overflow rim of an open or non-pressure receiving vessel.
 - B.) "Atmospheric Vacuum Breaker" means a device which allows air to enter the water line when the line pressure is reduced to a gauge pressure of zero or below.
 - C.) "Auxiliary Water Supply" means any water supply that is or may be cross connected to the Desert Mobile Home Estates water supply system.
 - D.) "Backflow" means the flow of water or other liquids from any source, back into the potable water supply within a facility and/or public water supply. Backflow occurs due to a differential pressure existing between two different points within a continuous fluid system and may occur due to either back siphonage or backpressure.

- E.) "Check Valve" means a check valve that seats readily and completely. It must be carefully machined to have free moving parts and assure water tightness. The base of the closure element and valve seat must be molded synthetic rubber, composition or other non-corrodible material which will seat tightly under all prevailing conditions of field use. Pins and brushings shall be of bronze or other non-corrodible, non-sticking material, machined for easy dependable operation. The closure element shall be internally loaded to promote rapid and positive closure in all sizes where this feature is obtainable.
- F.) "Cross Connection" means any physical arrangement whereby a public water supply is connected, directly or indirectly, with any non-potable or unapproved water supply system, sewer, drain, conduit, pool, storage reservoir, plumbing fixture, or other device which contains, or may contain contaminated water, liquid, gasses, sewage or other waste, of unknown or unsafe quality which may be capable of imparting contamination to the public water supply as a result of backflow.
Bypass arrangements, jumper connections, removable sections, swivel or change-over devices, and other temporary, permanent or potential connections through which, or because of which, backflow could occur, are considered to be cross connections.
- G.) "Double Check Valve Assembly" means a device consisting of two internally loaded check valves, either spring loaded or internally weighted, installed as a unit between two approved shut off valves.
- H.) "Double Detector Check Valve Assembly" means a device which is a hybrid version of a mainline double check valve assembly with a smaller factory installed double check valve assembly and meter in a bypass configuration to detect leakage or use.
- I.) "Pressure Vacuum Breaker" means a device consisting of one or more spring loaded check valves and an independently operating air inlet valve installed as a unit between two tightly closing shut off valves. The air inlet valve is internally loaded to the open position.
- J.) "Reduced Pressure Principle Device" means a device consisting of two independently acting, spring loaded check valves separated by a spring loaded differential pressure relief valve. This device shall be installed as a unit between two approved shut off valves. During normal operation the pressure between the two check valves is maintained at a lower pressure than the supply pressure. If either check valve should leak, the differential pressure relief valve will maintain a pressure differential of not less than two psi between the supply pressure and the zone between the check valves by discharging water to atmosphere.
- K.) "Reduced Pressure Principle Detector Check Assembly" means a device which is a hybrid version of a mainline reduced pressure principal device with a smaller factory installed reduced pressure principal device and meter in a bypass configuration to detect leakage or use.

2) The tenants systems should be open for inspection at all reasonable times to authorized representatives of the Desert Mobile Home Estates to determine whether cross connections or other hazards, including violation of these regulations exist. When such a condition becomes known, Desert Mobile Home Estates may deny or immediately discontinue the service to the premises by a physical break in the service until the condition has been corrected, provided that

opportunity by the Tenant to be heard upon request shall be allowed thereafter as soon as practicable.

3) Backflow prevention device assemblies for protecting community water systems shall be installed on the service connection to premises where an approved air gap does not exist and:

- (a) There is an auxiliary water supply which is, or can be, connected to the potable water piping;
- (b) There is piping for conveying liquids other than potable water, and operated in a manner which could cause a cross connection;
- (c) There is intricate plumbing which makes it impractical to ascertain whether or not cross connections exist;
- (d) There is back siphonage potential.
- (e) Cross connections or potential cross connection exists.

The type of backflow prevention required shall be commensurate with the degree of hazard which exists:

- (A) An approved air gap of at least twice the inside diameter, but not less than one inch, of the incoming supply line measured vertically above the top rim of the vessel, or an approved reduced pressure (RP) device assembly shall be installed where the substance which could backflow is hazardous to health, such as but not limited to; sewage treatment plant, sewage pumping stations, chemical manufacturing plants, plating plants, hospitals, mortuaries, car washes, medical clinics;
 - (B) An approved double check valve assembly shall be installed where the substance which could backflow is objectionable but does not pose an unreasonable risk to health. An approved double check valve assembly shall be minimum protection on fire service sprinkler systems using piping material that is not approved for potable water use and/or which does not provide for periodic flow during each 24-hour period;
 - (C) An approved pressure vacuum breaker or an atmospheric vacuum breaker shall be installed where the substance which could backflow is objectionable but does not pose an unreasonable risk to health and where there is no possibility of backpressure in the downstream piping. A shutoff valve may be installed on the line downstream of a pressure vacuum breaker.
- 4) Irrigation systems may be protected by atmospheric and pressure vacuum breakers, when properly installed. These devices do not provide adequate protection if they are subject to flooding, backpressure, or if compressed air is used to winterize the system. In these situations, double check valve assemblies shall be used.
- 5) A reduced pressure principle backflow prevention device or an air gap separation shall be used in cases where chemicals are introduced into the system.
- 6) Any protective device required herein shall be a model approved by the Desert Mobile Home Estates. A list of approved protective devices is available at the manager's office.

- 7) All backflow protection installed shall comply with the installation guidelines defined in these rules and access to such devices shall remain unrestricted at all times.
- 8) It shall be the duty of the Tenant to keep backflow prevention devices in good working condition at all times. It shall also be the duty of the Tenant at any premise where backflow prevention devices are installed to have thorough inspections and leakage tests made at least once a year or more often in those instances where successive inspections indicate failure. These inspection and tests shall, at the expense of the tenant, be performed by a person approved by Desert Mobile Home Estates as a competent device tester. It is the responsibility of Desert Mobile Home Estate's representatives to see that these tests are made. Approved device testers may be required to notify Desert Mobile Home Estates in advance when the test is to be undertaken so that Desert Mobile Home Estate's representatives may witness the test. Backflow prevention device shall be repaired, overhauled, or replaced at the expense of the tenant whenever they are found to be defective. Records of such tests, repairs and overhauls will be maintained by Desert Mobile Home Estates, and it is the responsibility of any backflow prevention device tester performing tests and maintenance on backflow prevention devices to submit records of such tests, repairs, and overhauls to Desert Mobile Home Estates.
- 9) All presently installed backflow prevention devices which do not meet the requirements of these rules, but were approved devices for the purposes described herein at the time of installation and which have been properly maintained shall, except for the requirements under subsection I-C 8, be excluded from the requirements of these rules so long as they satisfactorily protect the water system. Whenever such existing device is moved from the present location or requires more than minimum maintenance, the device shall be replaced by a backflow prevention meeting the requirements of these rules.
- 10) Backflow prevention devices which are installed to isolate premises from the public potable water system must be installed on the downstream side of the Tenants connection or immediately inside the building being served, but in any case must be installed before the first branch line.

INTERCONNECTION WITH OTHER WATER SUPPLIES PROHIBITED

- (1) Desert Mobile Home Estates shall not permit any physical connection between any other water supply and Desert Mobile Home Estate's water distribution system. Desert Mobile Home Estates will immediately discontinue water service to any premises or tenant where such a condition occurs until such time as the cross connection is eliminated.

PLUMBING CODE

- (1) As a condition of water service; tenants shall install, maintain and operate their piping and plumbing systems in accordance with the Oregon State Plumbing laws and Administrative rules.

WATER USES PROHIBITED

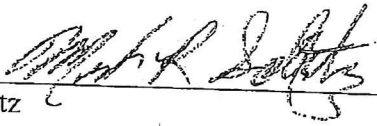
- (1) No tenant shall use or allow the use of any device or physical arrangement which would allow the water system to be connected directly or indirectly with any non-potable or unapproved water supply system, sewer, drain, conduit, pool, storage reservoir, plumbing

fixture, or other device which contains or may contain, contaminated water, liquid, gases, sewage, or other waste, of unsafe or unknown quality which may be capable of imparting contamination to Desert Mobile Home Estates water supply as a result of backflow.

CLARIFICATION

Any tenant who has any questions concerning this ordinance and park rule may contact a member of the Cross Connection Control Staff:

- (a) Mark Schatz P.O. Box 718 541-821-6279
Medford, Or. 97501
- (b) Ted Schatz P.O. Box 8599 541-601-2231
Medford, Or. 97501
- (c) Tamie Schatz P. O. Box 718 541-773-7177
Medford, Or. 97501
- (d) Jan Goding 3501 Avenue C #4 541-830-4186
White City, Or. 97503
- (e) James Morgan PO Box 2547 541-944-8129
White City, OR. 97503

 2-16-15

Mark R. Schatz