

41-01037

NESTLED IN HILLS MOBILE ESTATES

CROSS CONNECTION CONTROL POLICY
EFFECTIVE: MARCH 27, 1995

I PURPOSE

To protect the public potable water supply served by Nestled In Hills Mobile Estates from the possibility of contamination or pollution by isolating, within its tenants internal distribution system, such contaminants or pollutants which could backflow or backsiphon into the public water system. Also, to promote the elimination of, or control of, existing cross connections, actual or potential, between the potable water system and sources of non-potable water or other hazardous substances.

II AUTHORITY

The Federal Safe Drinking Water Act of 1974, and the statutes of the State of Oregon, Administrative Rules Chapters #333-61-070, #333-61-071, and #333-61-072 are the authority for the establishment of this program.

III RESPONSIBILITY

Nestled In Hills Mobile Estates shall be responsible for the protection of the public water distribution system from contamination or pollution due to the backflow or backsiphonage of contaminants or pollutants through the water service connection. If, in the judgement of Nestled In Hills Mobile Estates, an approved backflow device is required at Nestled In Hills Mobile Estates water service connection to any tenant's premise, Nestled In Hills Mobile Estates, or its delegated agent, shall give notice in writing to said tenant to install an approved backflow prevention device at each service connection on his premises. The tenant shall, within thirty (30) days, install such approved device, or devices, at his own expense, and failure or refusal, or inability on the part of the tenant to install said device or devices within thirty (30) days, shall constitute a ground for discontinuing water service to the premises until such device or devices have been properly installed.

IV DEFINITIONS

- A. Approved
Accepted by Nestled In Hills Mobile Estates as meeting an applicable specification stated or cited in this regulation, or as suitable for the proposed use.
- B. Approved Backflow Preventer
Any backflow preventer device or means accepted and approved for use by Oregon Health Division.
- C. Auxiliary Water Supply
Any water supply, on or available, to the premises other than the suppliers approved public potable water supply.
- D. Backflow
The flow of water or other liquids, mixtures or substances, under positive or reduced pressure in the distribution pipes of a

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potable water supply from any source other than its intended source

E. Backflow Preventer

A device or means designed to prevent backflow or back-siphonage. Most commonly categorized as air gap, reduced pressure principle device, double check valve assembly, pressure vacuum breaker, atmospheric vacuum breaker, hose bibb vacuum breaker, and double check with intermediate atmospheric vent.

E.1 Air Gap

A physical separation sufficient to prevent backflow between the free-flowing discharge end of the potable water system and any other system. Physically defined as a distance equal to twice the inside diameter of the supply side pipe diameter but never less than one (1) inch.

E.2 Atmospheric Vacuum Breaker

A device which prevents backsiphonage by creating an atmospheric vent when there is either a negative pressure or sub-atmospheric pressure on a water system.

E.3 Check Valve Assembly

A single spring loaded check valve. A dual check valve is an assembly of two (2) independently operating spring loaded check valves or two (2) single spring loaded check valves installed in tandem.

E.4 Double Check Valve Assembly

An assembly of two (2) independently operating spring loaded check valves with tightly closing shut off valves on each side of the check valves, plus properly located test cocks for the testing of each check valve.

E.5 Double Check Valve with intermediate Atmospheric Vent

A device having two (2) spring loaded check valves separated by an atmospheric vent chamber.

E.6 Hose Bibb Vacuum Breaker

A device which is permanently attached to a hose bibb and which acts as an atmospheric vacuum breaker.

E.7 Pressure Vacuum Breaker

A device containing one (1) or two (2) independently operating approved check valves and an independently operated spring loaded air inlet valve located on the discharge side of the check or checks. Device includes tightly closing shut-off valves on each side of the check valves and properly located test cocks for the testing of the check valve(s).

E.8 Reduced Pressure Principle Backflow Preventer

An assembly consisting of two (2) independently operating approved check valves with an automatically operating differential relief valve located between the two (2) check valves, tightly closing shut-off valves on each side of the check valves plus properly located test cocks for the testing of the check valves and the relief valves.

F. Backpressure

A condition in which the tenant's system pressure is greater than the supplier's system pressure.

G. Backsiphonage

The flow of water or other liquids, mixtures or substances into the distribution pipes of a potable water supply system from any source other than its intended source caused by the sudden reduction of the pressure in the potable water supply system.

H. Containment

A method of backflow prevention which requires a backflow

preventer at the water service entrance.

I. Contaminant

Any substance that will impair the quality of the water to a degree that it creates a serious health hazard to the public leading to poisoning or the spread of disease.

J. Cross Connection

Any actual or potential connection between the public water supply and a source of contamination or pollution.

K. Division

The State of Oregon Public Health Division

L. Fixture Isolation

A method of backflow prevention in which a backflow preventer is located to correct a cross connection at a location other than at a water service entrance.

M. Person

Any individual, partnership, company, public, or private corporation, political subdivision or agency of the State Division, agency or instrumentality of the United States or any other legal entity.

N. Permit

A document which is required by the Plumbing Specialty Code and is issued by Jackson County Department of Planning and Development, the Building Division.

O. Pollutant

A foreign substance that, if permitted to get into the public water system, will degrade its quality so as to constitute a moderate hazard, or impair the usefulness or quality of the water to a degree which does not create an actual hazard to the public health but which does adversely and unreasonably effect such water for domestic use.

P. Program Manager

The manager, or his delegated representative in charge of the Nestled In Hills Mobile Estates water system, who has the authority and responsibility for the implementation of a cross connection control program and for the enforcement of the provisions of the Program.

Q. Sprinkler or Irrigation System

Any watering system that is permanently plumbed and controlled by automatic electronic control valves. All sprinkler and irrigation systems require a plumbing Permit.

R. Tenant

Any person who, under the terms of a Rental Agreement with Nestled In Hills Mobile Estates, rents a space upon which a cross connection is or has the potential to be present.

S. Utility

Nestled In Hills Mobile Estates.

T. Water Service Entrance

Any access point on the tenant's space to the water system that is beyond the sanitary control of the Utility. This includes the point where the tenant connects his manufactured dwelling's water line to the Utility's service line and at any hose bibb provided by the Utility.

V Administration

A. The Utility will operate a cross connection control program, to include the keeping of necessary records, which fulfills the requirements of the Division's Cross Connection Regulations.

B. The Tenant shall follow the provisions of the Utility's

program and the Division's regulations if a cross connection is identified.

C. If the Utility requires that the public supply be protected by containment, the Tenant shall be responsible for the water quality of the public water supply system and shall utilize a backflow device for that purpose.

VI Requirements

A. Utility

1. New Tenants are required to install a backflow device in the manufactured dwelling's water line as close as is possible to the connection to the park's water supply service outlet and before any other connections. This backflow device may be a single check valve, a dual check valve or a device of higher protection (Single and dual check valves are not approved by the Oregon Health Division. Higher protection may be required in the future. Devices that provide the least amount of protection may reduce water pressure considerably). A double check valve assembly is required on all sprinkler or irrigation systems. The Utility will provide on-site evaluation and/or inspection of plans in order to determine the type of backflow preventer that will be required.

2. For Tenants under rental agreements prior to the start of this program, the Utility will give the Tenant written notice of any corrective action deemed necessary, the method of achieving the correction, and the time allowed for the correction to be made. The thirty (30) days correction period may be shortened depending upon the degree of hazard involved and the history of the device(s) in question.

3. The Utility will not allow any cross connection to remain unless it is protected by an approved backflow preventer which will be annually inspected and/or tested to insure satisfactory operation.

4. The Utility shall give the Tenant written notice of any failure to comply within ten (10) working days of the Utility's awareness of the non-compliance. The Utility will allow an additional fifteen (15) days for the correction. In the event the Tenant fails to comply within the allotted time, the Utility will inform the Tenant by letter that the water service to the Tenant's premises will be terminated within a period not to exceed five (5) days. In the event that the Tenant informs the Utility of extenuating circumstances as to why the correction has not been made, a time extension may be granted by the Utility but in no case will it exceed an additional thirty (30) days.

5. If the Utility determines at any time that a serious threat to the public health exists, the water service will be terminated immediately.

6. The Utility shall have on file a list of Private Contractors who are certified backflow device testers and inspectors. All charges for these tests and inspections will be paid by the Tenant.

7. The Utility shall have on file a list of approved backflow preventers.

B. Tenant

1. The Tenant shall be responsible for the elimination or isolation of all cross connections on his premises.

2. The Tenant, after having been informed by a letter from the Utility, shall at his expense, install, maintain, replace, have inspected or have tested, any and all backflow preventers on his

premises.

3. The Tenant shall correct any malfunctions of the backflow preventer which is revealed by periodic testing.

4. The Tenant shall inform the Utility of any proposed or modified cross connections and also any existing cross connections of which the Tenant is aware but which has not been found by the Utility.

5. The Tenant shall not install a by-pass around any backflow preventer unless there is a backflow preventer of the same type on the by-pass. Tenant shall not tamper with backflow devices.

6. The Tenant shall install backflow preventers in a manner approved by the Utility and as defined by Oregon Administrative Rules Chapter #333-61-071.

7. The Tenant shall install only approved backflow preventers on a cross connection.

8. The Tenant must have the written permission of the Utility prior to connecting any potable water supply line to any type of medical equipment such as a dialysis machine.

9. The Tenant will notify the Utility whenever he treats the water in any way or adds any chemical or substance to the water.

10. As required by the Plumbing Specialty Code, the Tenant will install a Watts NFB hose connection vacuum breaker on all Tenant owned hose bibbs. Any other brand must be approved by the Utility.

VII Degree of Hazard

The Utility recognizes the threat to the public water system arising from cross connections. All threats will be classified by degree of hazard and will require the installation of approved backflow prevention devices. The degree of hazard assigned to a cross connection threat is subject to change.

VIII Existing In-Use Backflow Prevention Devices

Any existing approved backflow preventer shall be allowed by the Utility to continue in service unless the degree of hazard is such as to supersede the effectiveness of the preventer, or result in an unreasonable risk to the public health. Where the degree of hazard has increased, any existing backflow device must be replaced with an approved device suitable for that degree of hazard.

IX Periodic Testing and Inspection

A. All testable backflow devices shall be tested at least annually. All atmospheric vacuum breakers used on irrigation and sprinkler systems will be inspected annually just prior to activating the system for the season.

B. Periodic testing and inspecting shall be performed by a certified tester or inspector. This testing will be done at the Tenant's expense.

C. Any backflow preventer which fails during a periodic test or inspection must be repaired or replaced. Upon completion of any necessary repairs or replacement, the device will be retested at Tenant's expense to insure correct operation. High hazard situations will not be allowed to continue if the backflow preventer fails the test and cannot be repaired immediately. In other situations, a compliance date of not more than thirty (30) days after the test date will be established. The Tenant is responsible for spare parts, repair tools, or a replacement device.

D. Backflow prevention devices will be tested or inspected more frequently than specified in A. above if the Utility feels that there is a history of test failures or device malfunctions. Cost of additional testing or inspecting will be borne by the Tenant.

E. The Tenant shall furnish the Utility with a copy of all test and inspection reports within a week of the test or inspection.

X **Records and Reports**

A. **Records**

The Utility will initiate and maintain the following:

1. Master files on tenant's cross connection tests and/or inspections.
2. Copies of lists and summaries supplied to the Division.
3. Listing of cross connections by degree of hazard.
4. Master list of certified testers, certified inspectors and approved backflow prevention devices.

B. **Reports**

The Utility will submit the following to the Division:

1. Annual summary of cross connection tests and inspections to the Division.