

Ordinance No. 402

CROSS CONNECTION

The City of Grass Valley ordains as follows:

Pursuant to Chapter 333, Division 61 of the Oregon Administrative Rules, it is the responsibility of the City of Grass, to protect its drinking water by instituting and enforcing a cross connection program.

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1:01 DEFINITIONS

- (1) "Grass Valley" means "City of Grass Valley"
- (2) "Cross Connection" means any physical arrangement where a public water system is connected, directly or indirectly, with any other water system or auxiliary system, sewer, drain conduit, swimming pool, storage reservoir, plumbing fixture, swamp coolers, or any other device which contains, or may contain, contaminated water, sewage, or other liquid of unknown or unsafe quality which may be capable of imparting contamination to the public water system as a result of backflow. Bypass arrangements, jumper connections, removable sections, swivel or change over devices, or other temporary or permanent devices through which, or because of which, backflow may occur are considered to be cross connections.
- (3) "Backflow" means the flow in the direction opposite to the normal flow or the introduction of any foreign liquids, gases, or substances into the water distribution system of Grass Valley.
- (4) "Auxiliary Supply" means any water source or system other than the Grass Valley water system that may be available in the building or on the premises.
- (5) "Approved Assembly" means an assembly to counteract back pressures or prevent back siphoning. This assembly must appear on the list of approved assemblies issued by the Oregon State Health Division.
- (6) "Reduced Pressure Principle Assembly" shall mean an approved assembly containing two independently acting approved check valves together with a hydraulically-operated, mechanically independent pressure differential relief valve located between the check valves and at the same time below the first check valve. The assembly shall include properly located test cocks and tightly closing shut off valves at the end of the assembly.
- (7) "Pressure Vacuum Breaker Assembly" means an approved assembly consisting of a spring loaded check valve loaded to the closed position, an independently operating air inlet valve located to the open position and installed as a unit and between two resilient sealed shutoff valves and with suitable connections for testing. It is designed to protect against back siphoning only.
- (8) "Double check Valve Assembly" means an approved assembly consisting of two independently

operating check valves, loaded to the closed position by springs or weights, and installed as a unit with, and between, two resilient seated shutoff valves and having suitable connections for testing.

(9) "Premises" means any piece of land to which water is provided including all structures, improvements, mobile home(s) and structure located on it.

1:02 PURPOSE

The purpose of these regulations is to protect the water supply of Grass Valley from contamination or pollution due to any existing or potential cross connections.

1:03 CROSS CONNECTIONS REGULATED

No cross connections shall be created, installed, used or maintained within the territory served by Grass Valley, except in accordance with these regulations

1:04 BACKFLOW PREVENTION ASSEMBLY REQUIREMENT

Approved backflow prevention assemblies shall be installed at the expense of the property owner, either at the service connection or within the premises, as determined by a certified water operator or cross connection inspector employed by Grass Valley in each of the following circumstances:

- (1) If the nature and extent of any activity on the premises, or the materials used in connection with any activity on the premises, or materials stored on the premises, could contaminate or pollute the drinking water supply in any way.
- (2) On premises having any one or more cross connections as that term is defined in section 1:01 paragraph 2.
- (3) Internal cross connections that are not correctable, or intricate plumbing arrangements which make it impractical to ascertain whether or not cross connections exist.
- (4) A repeated history of cross connections being established or reestablished.
- (5) Unduly restricted entry so that inspections for cross connections cannot be made with sufficient frequency or with sufficient notice to assure that cross connections do not exist.
- (6) Materials of a toxic or hazardous nature being used such that, if back siphoning should occur, a health hazard could result.
- (7) At any master meter supplying water to multi dwelling units, mobile home parks or RV centers.
- (8) Any mobile apparatus which uses the Grass Valley system or water from any premises within the system.
- (9) All Unified Plumbing Codes must be maintained.
- (10) All new construction shall submit their plans to the water department for review and determination of the necessity of an assembly.
- (11) On any premise where installation of an approved backflow prevention assembly is deemed to be necessary to accomplish the purpose of these regulations.
- (12) On any premise where an appropriate cross connection report form has not been filled out and returned to the Grass Valley office.

(13) On any premise 30 feet above the connection to the city water line.

1:05 INSTALLATION REQUIREMENTS

To ensure proper operation and accessibility of all backflow prevention assemblies, the following requirements shall apply to the installation of these assemblies.

- (1) All backflow prevention assemblies to be installed shall be of a type and model preapproved by the State of Oregon, Health Division and Grass Valley. They must meet all State of Oregon codes, statute rules, requirements and regulations.
- (2) The installation of a backflow prevention device on the water service line will eliminate the thermal expansion of hot water into the distribution system. Therefore, Grass Valley hereby notifies the water user that it is the water user's responsibility to maintain temperature pressure relief valves within the premise plumbing.
- (3) No part of a Reduced Pressure Principle Assembly shall be submerged in water or installed in a location subject to flooding. If installed in a vault or basement, bore to daylight with screens on each end of pipe shall be provided. The drain shall be of adequate capacity to carry the full rated flow of the assembly. When any backflow assemblies are installed inside a vault, the lid shall be spring loaded and approved by the Grass Valley backflow inspector.
- (4) Assemblies must be installed at the point of delivery of water supply, before any branches in the line, on private property. Alternate locations must be approved in writing by Grass Valley prior to installations. If written permission is granted to install the backflow assembly inside of the building, the assembly shall be readily accessible during regular working hours.
- (5) If an assembly is installed inside of the premises and is 4 feet or more above the floor, it must be equipped with a rigidly and permanently installed scaffolding acceptable to Grass Valley. This installation must also meet the requirements set out by the U.S. Occupational Safety and Health Administration and the State of Oregon Occupational Safety and Health Codes.

1:06 ACCESS TO PREMISES

Authorized employees of Grass Valley, with proper identification, shall have access during reasonable hours to all of a premise to which water is supplied. However, if any property owner refuses access to a premise or to the interior of a structure at reasonable times and on reasonable notice for inspection by a cross connection specialist appointed by Grass Valley, a reduced pressure principle assembly will be required to be installed at the service connection to that premise.

1:07 ANNUAL TESTING AND REPAIRS

All backflow assemblies installed within the territory served by Grass Valley shall be tested immediately upon installation and at least annually thereafter by a state certified tester. All such assemblies found not functioning properly shall be promptly repaired or replaced by the property owner. If any such assembly is not promptly repaired or replaced, Grass Valley may deny or discontinue water to the premise. All testing and repairs are the financial responsibility of the property owner.

1:08 COST OF COMPLIANCE

All costs associated with purchase, installation, inspections, testing, replacement, maintenance, parts, and repairs of the backflow assembly is the financial responsibility of the property owner.

1:09 TERMINATION OF SERVICE

Failure on the part of any customer to discontinue the use of all cross connections except in accordance with this ordinance is sufficient cause for the immediate discontinuance of the public water service to the premises. (OAR Chapter 333-061-070, Section 1)

Submitted to the City Council and read by title the first time on October 3, 2011.


Read by title the second time and passed by the City Council on November 7, 2011.
Submitted to the Mayor for approval on November 3, 1998.

Approved on November 7, 2011.

CITY OF GRASS VALLEY


Neil Pattee, Mayor

Attest:


Carol von Borstel, City Administrator

Ayes: 6

Nays: 0