

CHAMPION PARK SUBDIVISION WATER SYSTEM POLICY

4101455

POLICY STATEMENT: #1
TITLE: CROSS CONNECTION PROCUDURES
DATE APPROVED: March 16, 1998
REVISED DATE(S):

This policy provides the methods and procedures for the implementation and enforcement of a cross connection control program. CPSWS is Champion Park Subdivision Water System.

Authority and Responsibility

Pursuant to Oregon Health Division regulations for public water supply systems, it is a requirement and the responsibility of CPSWS to provide water to the residents that meet Oregon water quality standards and to prevent contamination of the public water supply system. Cross connections within the plumbing systems of the premises of the CPSWS owners pose potential sources for the contamination of CPSWS public water supply system. It is the responsibility of CPSWS to protect its drinking water by instituting and enforcing a cross connection control program.

Purpose and Requirements

The purpose of these regulations is to protect public health and the quality of the drinking water supply in the CPSWS distribution system from potential contamination by cross connections. Inspection and regulation of all actual or potential cross connection between the CPSWS public drinking water system and any other source of water, potable or otherwise, is required in order to minimize the potential of contamination of the public drinking water supply system. Controlling and preventing cross connections is accomplished by either removing the cross connection or installing an approved backflow prevention device assembly to protect the public drinking water supply system.

Definitions

Approved Backflow Prevention Device Assembly is a devise designed to prevent backflow or back siphonage which is accepted by the Oregon Health Division as meeting an applicable standard and is suitable for the proposed use.

Backflow is a reversal of normal flow in the distribution system caused by a negative pressure condition (back siphonage), or by an increase in the down stream pressure above that of the distribution system pressure (back pressure).

Cross Connection is any actual or potential connection or structural arrangement between the CPSWS distribution system or owner plumbing system and any other potable water system, water source, or system through which it is possible to introduce into any part of the CPSWS distribution system any used water, any other source of water, potable or otherwise, or an industrial fluid, gas, or substance other than the intended CPSWS drinking water with which the system is supplied. By-pass arrangements, jump connections, removable sections swivel or change-over devices, and any other temporary or permanent devices through which or because of which backflow can or may occur are considered to be cross connections.

Degree of Hazard is derived from an evaluation of the potential risk of the cross connection to public health, and is categorized as either high hazard or low hazard. A high degree of hazard is considered to be a risk to public health and would require maximum protection such as an air gap or reduced pressure principal backflow prevention device assembly. A low degree of hazard is not considered to be a risk to public health and would require a double check valve assembly, pressure vacuum breaker assembly, or atmospheric vacuum breaker.

General Provisions

CPSWS is required to eliminate or control all cross connections throughout the distribution system. Therefore, anyone wanting or using water from CPSWS is required to comply with these general provisions. The owner of the property in which a backflow occurs is fully responsible for all damages incurred.

The circumstances which may require the installation of a approved backflow prevention device assembly, as determined by the Owner of CPSWS, include but are not limited to the following:

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 any materials stored on the premises, could contaminate water supply in any way.
2. On premises having any cross connections as defined under Definitions.
3. Internal cross connections that are not correctable, or intricate plumbing arrangements which make it impractical to ascertain whether or not a cross connection exists.
4. A repeated history of cross connections being established or re-established.
5. Restricted entry to premises so that inspections cannot be made to ascertain whether a cross connection exists, or failure to respond to formal inquiries about potential cross connections on the premises.
6. In-ground sprinkler systems, fire sprinkler systems, used water systems, and other directly or capable of being directly connected devices such as hot tubs, Jacuzzi's, swimming pools hose connected pesticide spraying devices etc. The common issue is the connection to CPSWS water by devices that could cause contamination by backflow.
7. Alternate water sources not owned or controlled by CPSWS.

The type of backflow prevention device assembly to be installed, as determined by the Owner of CPSWS, shall be commensurate with the degree of hazard as established by the Owner of CPSWS and as generally accepted and defined by the water industry. The brand and model of the backflow prevention device assembly to be installed must be an approved device listed by the Oregon Health Division and approved by the Owner of CPSWS.

The owner of the premise for which a backflow prevention device assembly is required, is responsible for all costs and fees associated with purchase and installation of the backflow prevention device assembly. The owner is responsible for meeting all construction requirements associated with the installation of the approved backflow device assembly as provided in Oregon Health Division regulations, and as supervised by the Owner of CPSWS. The approved backflow prevention device assembly shall be installed on the service line after the service meter, or at a location agreed to by the Owner of CPSWS. The owner is also responsible for the maintenance, repair, and annual testing of the backflow prevention device assembly, and for all costs and fees associated with these activities.

CPSWS shall be held harmless for any changes in a plumbing system of any premise due to the installation of an approved backflow prevention device assembly as a result of thermal expansion from

the water heater, or loss of pressure through the device. The Owner of CPSWS shall notify the owner of the premise of these possibilities at the time of notification of the requirement to install an approved backflow prevention device assembly.

All approved backflow prevention device assemblies are required to be tested at least annually, and all air gaps installed in lieu of an approved backflow prevention device assembly shall be inspected at least annually. Completed test reports shall be returned to CPSWS within 60 days after receipt of the annual test notification. Test and inspections may be required on a more frequent basis at the discretion of the Owner of CPSWS.

The Owner of CPSWS shall have free access at reasonable hours of the day to all parts of a premise or within buildings to which water is supplied in order to conduct inspections. Failure of the customer to allow access shall result in the requirement to install an approved backflow prevention device assembly for a high degree of hazard.

Failure of the customer to cooperate in the installation, maintenance, repair, inspection, or testing of backflow prevention device assemblies required by these general provisions shall be grounds for termination of water service to the premise.

Any decision related to these cross connection rules which the customer considers unfair may be appealed to the Owner of CPSWS for a review and final decision. The appeal must be in writing and is required to be submitted to the Owner of CPSWS within 30 days of the original decision. All appeals decisions by the Owner of CPSWS related to these cross connection rules are final.

These general provisions may supersede state regulations, but in no case shall they be less stringent.

Responsibilities - Owner of CPSWS

The Owner of CPSWS will enforce the general provisions of these regulations which include but are not limited to the following program elements:

1. Enforce the requirements to install approved backflow prevention device assemblies as determined by the Owner of CPSWS.
2. Issue letters of notification of the need to install backflow prevention device assemblies as directed by the Owner of CPSWS.
3. Authorize the termination of water service to those failing or refusing to comply with these requirements.
4. Pay for training and certification (if required by Oregon Health Division regulations) of the Operator of CPSWS as a Cross Connection Control Inspector, and all update training to maintain certification.
5. Authorize inspections of premises by the Owner of CPSWS to determine cross connection potential and degree of hazard for the purpose of requiring the installation of the correct backflow prevention device assembly.
6. Issue a general statement of concern about cross connections to the CPSWS customers Annually.
7. Issue reminder letters for testing of backflow prevention devices annually.
8. Maintain a list of premises where potential cross connections might occur, and inspect or inquire as to changes to the list.
9. Inspect premises for potential cross connections and determine the degree of hazard.
10. Require the installation of a backflow prevention device assembly commensurate with the degree of hazard.

11. Terminate water service to those premises who fail or refuse to comply with these regulations.
12. Maintain a list of approved backflow prevention device assemblies.
13. Maintain a list of certified backflow testers in the Josephine and Jackson county areas.
14. Collect backflow device test reports and maintain records of activities related to the cross connection program.
15. Develop an annual summary report on cross connection program activities for the customers and furnish this report to them annually.

The Owner of CPSWS may delegate these responsibilities to a Certified Cross Connection Control Inspector directly employed by, or under contract with CPSWS to conduct this cross connection control program.

Responsibilities – CPSWS Customers

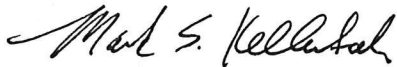
The Customers of CPSWS will abide by the general provisions of these regulations which include but are not limited to the following program elements:

1. Notify the Owner of CPSWS when new construction or any changes to the plumbing system may constitute an actual or potential cross connection.
2. Respond to inquiries and allow premise inspections.
3. Install an approved backflow prevention device assembly commensurate with the degree of hazard as directed by the Owner of CPSWS.
4. Annual maintenance, repair and testing of the backflow prevention device assemblies.
5. Appeal any decisions related to these rules considered to be unfair to the Owner of CPSWS in writing within 30 days of the decision.

Severability

If any part of these rules is determined to be invalid or unenforceable, or the application of any part of these rules to any person or set of circumstances is determined to be invalid or unenforceable, the validity or enforceability of the remaining rules or its application to other persons shall not be affected.

APPROVED:



Mark S. Kellenbeck
Champion Park Partnership
Owner of Champion Park Subdivision Water System (CPSWS)