

4100134

KELSO WATER ASSOCIATION, INC.

CROSS CONNECTION CONTROL POLICY

1. **Purpose.** As required by the Oregon Health Division pursuant to Oregon Administrative Rules 333-61-070, it shall be the policy of the Kelso Water Association, Inc. to require the installation of backflow prevention devices, and inspections of those devices, as set forth in this document. The State of Oregon requires each Community Water System to implement backflow prevention policies in order to prevent any possibility of backflow contaminating the water system.
2. **Records and Reports.** The Association shall maintain current records of backflow assemblies installed, inspections completed, and backflow assembly test results. The Association shall prepare and submit an annual written report to the Oregon Health Division using a format to be provided by the Division.
3. **Discontinuance of Service for Violations of Policy.** After proper notice to the customer, and until the violation has been corrected, the Association shall discontinue water service to any premises under any of the following circumstances:
 - (a) For failure to install an approved backflow prevention device;
 - (b) For failure to conduct an annual test on the backflow device;
 - (c) When the Association's officers have reasonable cause to believe that an existing or potential cross connection is located on the user's premises, until an appropriate backflow prevention assembly is installed or until the cause of the hazard is eliminated.
 - (d) For any other violation of this policy.
4. **Notification to Association When Water Treated.** The Association shall be notified whenever a water user or the owner of the premises obtaining water from the Association treats the water in any way or adds any chemical or substance to the water.
5. **Situations Requiring Backflow Prevention.** Backflow prevention assemblies shall be installed at the service connection to premises where an approved airgap does not exist and:
 - (a) There is an auxiliary water supply which is, or can be, connected to the potable water piping; or

(b) There is piping for conveying liquids other than potable water, and where that piping is under pressure and is installed in proximity to potable water piping; or

(c) There is intricate plumbing which makes it impractical to ascertain whether or not cross connections exist; or

(d) There is backsiphonage potential; or

(e) Cross connections or potential cross connections exist.

6. **Approved Devices and Installation Thereof; Methods of Backflow Prevention Required.**

(a) **New Assemblies.** All backflow prevention assemblies required under this Policy shall be of a type and model approved by the Oregon Health Division, and shall be installed in accordance with Oregon Administrative Rules 333-61-071 Sections (1) through (4).

(b) **Existing Assemblies.** Backflow prevention assemblies installed before the adoption of this Policy and which were approved by the Oregon Health Division at the time they were installed, but are not on the current list of approved assemblies, shall be permitted to remain in service provided they are properly maintained, are commensurate with the degree of hazard, are tested at least annually, and perform satisfactorily. When assemblies of this type are moved, or require more than minimum maintenance or are on services that are modified, changed size or remodeled, they shall be replaced by assemblies which are on the Health Division list of approved assemblies.

(c) **Methods Required.** The method of backflow prevention required under this Policy shall at a minimum be commensurate with the degree of hazard which exists, and not less than the following:

(i) When the substance which could backflow could be hazardous to health, 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 shall be installed, or an approved reduced pressure backflow (RPBA) assembly shall be installed.

(ii) When the substance which could backflow is objectionable but does not pose an unreasonable risk to health, an approved double check valve assembly (DCVA) shall be installed. An approved double check valve assembly shall be the minimum protection for fire sprinkler systems using piping material that is not approved for potable water use and /or which does not provide for periodic flow through during each 24 hour period.

(iii) An approved pressure vacuum breaker assembly (PVBA) or an atmospheric vacuum breaker (AVB) 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 but shall not be installed downstream of an atmospheric vacuum breaker.

7. **Testing Required.**

(a) **When Required.** The water user or the owner of the premises where one or more reduced pressure assembly (RPBA), double check valve assembly (DCVA), or pressure vacuum breaker (PVBA) have been installed shall have the assemblies tested by a certified tester at least once per year. Assemblies installed at facilities which pose an extreme health risk and assemblies which repeatedly fail shall be tested on a more frequent basis as determined by the Board of Directors. Backflow assemblies which have been moved or which have been installed shall be tested before use.

(b) **Malfunctioning Assemblies.** Backflow prevention assemblies found not to be functioning properly shall be promptly repaired by the owner or water user, and failure to do so may result in the denial or discontinuance of service as provided in this Policy.

(c) **Test Procedures and Reports.** Tests performed by certified testers shall be in conformance with procedures established by the **Foundation for Cross Connection Control and Hydraulic Research, Manual of Cross Connection Control, 9th Edition, December 1993, University of Southern California.** Methods authorized under the 8th edition of that manual may be used as alternate test procedures when conditions do not permit the use of the primary test procedures. Reports on the tests shall be prepared by the certified tester and copies shall be provided to the Association and to the water user or owner of the premises.

Duly adopted by the Board of Directors of Kelso Water Association, Inc. this 19 day of February, 1998:



Val Herman, President