

*BYLAW
418-6209*

41-00695

A Change in HIDDEN VALLEY IMPROVEMENT DISTRICT (HVID) Bylaws has been Mandated by :

The government of the United States , through the Environmental Protection Agency (EPA) Mandates that all suppliers of drinking water provide and maintain clean, safe drinking water. As Specified in the Code of Federal Regulations { Volume 40, Paragraph 141.2, section (C) }

The Oregon Health Department Administrative Rules (333-61-070) Which states: Purveyors shall undertake programs for controlling and eliminating cross connections.

Pursuant to Chapter 333, Division 61 of Oregon Administrative Rules, it is the responsibility of the HIDDEN VALLEY IMPROVEMENT DISTRICT to protect its drinking water by instituting and enforcing a CROSS CONNECTION program.

Objectives of BYLAW Change

The objective of the the Cross Connection program is:
To protect the Potable water supply of HVID. This will be accomplish by requiring the use of appropriate backflow protection methods. The Possibility of contamination will be minimized by confining within the customers private water system those contaminants or pollutants which could, under adverse conditions, backflow though uncontrolled cross-connections into the HVID water system.

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Cross Connection
Drinking Water Program

333-61-20 DEFINITIONS

- (1) "Air Gap Separation" means the physical vertical separation between the free flowing discharge end of a potable water supply pipe and the open or non-pressure receiving vessel.
- (2) "Approval" or "Approved" means approved in writing.
- (3) "Atmospheric Vacuum Breaker (AVB)" means a device consisting of an air inlet valve, a check seat and an air inlet port (s).
- (4) "Auxiliary Water Supply" means any supply of water used to augment the supply obtained from the public water system which serves the premises in question.
- (5) "Backflow" means the flow in the direction opposite to the normal flow caused by backsiphonage or backpressure. Backsiphonage is caused by negative or reduced pressure in the supply piping and Back pressure occurs when the potable supply piping is connected to a system or fixture which exceeds the operating pressure of the supply piping
- (6) "Backflow Preventer" means an air gap, AVB, PVBA, SVBA, DCVA or RPBA.
- (7) "Backflow Prevention Assembly" means a backflow prevention device or Assembly such as a pressure vacuum breaker, spill resistant pressure vacuum breaker, a double check valve or a reduced pressure principle device, and the attached shut off valves on the inlet and outlet ends of the device assembled as a complete unit.
- (8) "Check Valve" means a valve which allows flow in only one direction. (9) "Community Water System" means a public water system which has 15 or more service connections used by year-round residents, or which regularly serves 25 or more year round residents.
- (10) "Cross Connection" means any link or channel between the piping which carries drinking water and the piping or fixtures which carry other water or other substances.
- (11) "Double Check Valve Assembly (DCVA)" means an assembly of two independently acting check valves with shut-off valves on each side of the check valves and test cocks for checking the water tightness of each check valve.
- (12) "Pressure Vacuum Breaker Assembly (PVBA)" means an assembly consisting of an independently operating, internally loaded check valve and an independently operating loaded air inlet valve located on the discharge side of the check valve.
- (13) "Reduced Pressure Backflow Assembly (RPBA)" means a assembly for preventing backflow Which has two check valves, a differential relief valve located between two check valves, two shut-off valves, one on the upstream side and the other on the downstream side of the check valves, and four test cocks for checking the watertightness of the check valves and the operation of the relief valve.
- (14) "Service Connection" means the piping connection by means of which water is conveyed from a distribution main of a public water system to a user's premises. For a Community water system, the portion of the service connection which conveys water from the distribution main to the user's property line, or to the service meter where provided, is under the jurisdiction of the water supplier.
- (15) "Spill Resistant Vacuum Breaker Assembly (SVBA)" is one type of pressure Vacuum Breaker Assembly.

1:01 Elimination of Cross-Connections

No private water system may be connected in any manner to the HVID water system.

Backflow devices (backflow device Check Valves) installed prior to July 15, 1999 will not have to be removed.

1:02 Installation, Testing and Maintenance of Backflow Prevention Assemblies.

- a. All backflow prevention assemblies shall be installed in accordance with the Manufacturers Instructions and those furnished by the HVID. Only backflow preventers approved by the Oregon Health department "Approved List" shall be installed.
- b. All backflow prevention assemblies required by this change must be installed and maintained on the customers premises as part of the customers water system.
- c. Ownership, testing and maintenance of the backflow prevention assembly will be the responsibility of the customer. Each assembly required in this Bylaw Change must be functioning properly at all times.
- d. Testing of backflow prevention assemblies shall be conducted by a certified Tester at the owners expense. Test shall be conducted upon installation and annually , whenever it is repaired or moved, with a record of all testing and repairs retained by the customer. A copy of the certified record for each test or repair must be sent to the HVID by the tester within 30 days after the completion of each test or repair, Such records must be maintained on forms provided by the tester and kept on file by the Tester, Home Owner, and HVID for 10 years.
- e. Any time that repairs to backflow assemblies are deemed necessary, whether through annual testing or routine inspection by the owner or by HVID, these repairs must be completed within a time specified in accordance with the degree of hazard.

- f. Repairs on a private water system considered to be a high hazard shall be completed within Twenty-four (24) hours, a low hazard shall be completed within Ten (10) days, Failure to comply with all of the above can result in termination of a customers water service.
- g. Upon determination that a backflow prevention assembly is required to be installed on a customers private water system, the customer will be notified in writing of the approved backflow prevention assembly which is required, on existing systems, the customer will have the following time periods within which to install the specified backflow prevention assembly.

Air-Gap separation	30 days
Reduced pressure principle assembly (3/4"to 1")	1 day
Double check valve assembly (3/4"to 1")	30 days
Other approved back flow prevention assembly	30 days

HVID may require the installation of the required backflow prevention Assembly immediately or within a shorter time period than specified above if its determined that any condition pose an unreasonable threat of contamination to HVID water supply system.

1-03 High Hazard- three types Chemical, Biological, Physical
 Any substance that could backflow causing illness or death is to be Considered a **High Hazard**

- a. All high hazard Facilities must have an approved Reduced Pressure Backflow Assembly.
- b. Booster Pumps for any reason to the extent back pressure may occur
- b. Film laboratory; fire sprinkler systems with chemical additives;
- c. Irrigation system with chemical additives; Swimming pool
- d. Exterminators and lawn care companies; Carpet Cleaners; etc.
- e. Kidney Dialysis Machine
- f. Pressure washers

1-04 Low Hazard- Any substance that can backflow that would be an impairment of the quality of water but does not pose a health risk, such as Pollution of any kind.

- a. Automatic Lawn sprinkler system (with out chemicals),
- b. Water trough for animals..

- c. Fish ponds , Water fountains, outdoor Faucets.
- d. Drip Hoses, Soaker hose, Plastic drip lines.
- e. All of the above must have Approved Air Gaps Or Hose Bibbs on each Faucets.

1-05 Responsibility of Customer

- a. The Customer shall be responsible for the elimination of or Protection against all cross-connections on his/her premises,
- b. The customer shall maintain any backflow prevention assembly Within his premises in good operating condition, The customer shall correct any malfunction of the backflow preventer which is revealed by periodic testing.
- c. The customer shall be responsible for the payment of all fees For annual testing, retesting in the case that the assembly fails To operate correctly, and repairs.

1-06 Violations

- a. A written notice of violation shall be given to any person to be In violation of any provision of this bylaw change.
- b. Such notice shall set forth the violation and the time period Within which the violation must be corrected.
- c. Water service may be terminated to a customer if the Customer fails to correct a violation.

1-07 All Mobile (RV`s - Trailers - 5th wheels

- a. Which use HVID water from any premises within the HVID System must obtain a permit from the water district.

1-08 NO Wholesale Customers Allowed.

109 Constitutionality and saving clause

That if any provision, section, sentence, clause or phrase of this Bylaw Change or the application of same to any person or set of circumstances are for any reason held to be unconstitutional, void, invalid or for any reason unenforceable, the validity of the remaining portions of this Bylaw Change or its application to other persons or circumstances shall not be affected thereby, it being the intent of the Board of directors of HVID in adopting and approving this Bylaw Change that no portion hereof or provision or regulation contained herein shall become inoperative or fail by reason of any unconstitutionality or invalidity of any other portion, provision, or regulation.

1-10 Effective Date: -

Signed

