

41-00013

AMIGO VILLA WATER SERVICE INC.
Cross Connection Control / Backflow Prevention Program

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Cross Connection

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- 1) SECTION 1: Cross Connections
 - a) Member responsibility
 - i) No member shall establish or maintain an unprotected cross connection to Amigo Villa Water Service.
 - ii) If an unprotected cross connection is found in a member's water system, the member will be informed of the condition in writing and given thirty days to correct the condition or install an approved backflow prevention device. If the member does not comply within the thirty day time, the provisions of Section 3 will be enforced.
 - iii) The member shall comply with the provisions of Section 2.
 - iv) The member shall own and maintain any required backflow prevention devices as required by Oregon Administrative Rules.
 - v) The member shall provide sufficient information for the Board of Directors to evaluate the degree of any potential, suspected, or actual cross connection.
 - b) Board responsibility
 - i) Provide assistance
 - ii) Administer the program
- 2) SECTION 2: Backflow Prevention Requirements
 - a) All backflow prevention devices required shall be of a type and model approved by the Oregon State Human Resourced Department, Health Division, to be installed in accordance with OSHD requirements and the provisions of this section.
 - b) Backflow prevention devices shall:
 - i) Be installed by a qualified installer at the member's expense.
 - ii) Be installed on each service line of the member's system at or near the property line.
 - iii) Be installed immediately inside the building being served, if approved.
 - iv) In all cases, the backflow prevention device must be installed before the first branch line leading off of the service whenever the following conditions exist:
 - (1) Where there is an auxiliary water supply which is or can be connected to the potable water piping.
 - (2) Where there is piping for conveying fluids other than potable water and where that piping is installed and operated in a manner which could cause a cross connection.
 - (3) Where there is intricate plumbing which make it impracticable to determine whether or not a cross connection exists.
 - (4) Where there has been a history or repeating the same or similar cross connection even though these have been removed or disconnected.
 - (5) Where there is a building over three stories in height or any plumbing system greater than thirty feet above the service main.
 - (6) Where there is backflow or back siphon potential.

- (7) Where the system is not open for inspection.
- (8) Where the system is subject to submersion.
- c) Backflow prevention devised shall be commensurate with the degree of hazard which exists.
 - i) Air gap or reduced pressure device.
 - (1) An approved air gap of at least twice the inside diameter, but not less than one inch of the incoming supply line. The gap is measured vertically above the top rim of the vessel.
 - (2) An approved reduced pressure backflow prevention device shall be installed where the substance which could backflow is a contaminant or health hazard.
 - (a) Examples where these conditions may exist includes auxiliary water systems.
 - ii) Double check valve or double detector check valve backflow device.
 - (1) An approved double check valve or double detector check valve backflow prevention device shall be installed when the substance which could backflow is a contaminant or objectionable but does not pose an unreasonable health risk.
 - iii) Pressure vacuum breaker or atmospheric vacuum breaker.
 - (1) An approved pressure vacuum breaker or an atmospheric vacuum breaker shall be installed when the substance which could backflow is objectionable but does not pose an unreasonable health risk and there is no possibility of back pressure in the downstream piping.
 - (a) A shut-off or control valve may be installed downstream of a pressure vacuum breaker but not downstream of an atmospheric vacuum breaker.
- d) Examples of locations requiring backflow prevention devices are listed but are not limited to:
 - i) Irrigation systems: an approved atmospheric vacuum breaker or approved pressure vacuum breaker provided no back pressure is possible and no chemical injection or mixing exists.
 - ii) Private fire protection service: An approved backflow prevention device with a monitoring meter or detection system to detect unauthorized use or leakage within the system and a remote meter shall be required. The type of backflow prevention device shall be as follows:
 - (1) An approved double detector check valve backflow prevention device shall be required for low and medium hazards. Low and medium hazards are systems with or without pumper connection but no auxiliary water supplies available, chemical or additive detectable cross connections, and serving a building three stories or less.
 - (2) An approved reduced pressure principle backflow prevention device and a single detector check shall be required for high hazards. High hazards are systems with auxiliary water supplies, chemical additives and detectable cross connections.
 - iii) New construction: where adequate plans and specifications are not available and no realistic evaluation of the proposed water uses can be determined, the installation of maximum backflow protection may be required at the service connection.
- e) Inspections and leak tests
 - i) Inspection and leak tests are required:
 - (1) Annually, between January 1 and December 31 of the current year, as required by Oregon Administrative Rules.

- (2) Upon installation of a new device
 - (3) Upon moving the device
 - (4) More often if inspection indicates repeated failure of the device.
 - ii) Annual testing, inspection, repairs and/or replacement of the backflow prevention device shall be done at the expense of the member.
 - iii) Annual testing, inspection, repairs and/or replacement of the backflow prevention device shall be done by licensed, qualified personnel.
 - iv) Test and repair or replacement shall be performed within thirty days from notice to test.
 - v) Annual testing is completed by Amigo Villa Water Service at the expense of the member, to be billed on the first billing cycle of the year in conjunction with the regular water bill. Testing rates are set by the testing provider, however Amigo Villa Water Service will continually to provide this service at the lowest cost possible to its members. The testing provider will provide all test results to Amigo Villa Water Service.
 - vi) In the event of a failed test, Amigo Villa Water Service will contact the member to assist in facilitating repairs. All repairs are at the member's expense. Repair or replacement shall be performed within thirty days from notice by Amigo Villa Water Service.
 - vii) Members may elect to have their backflow device repaired and re-inspected by whom they choose. The inspector must be licensed and qualified to perform backflow prevention device testing as required by the Oregon Health Authority. The member shall provide a copy of the passing inspection report within thirty days from notice to Amigo Villa Water Service.
- 3) SECTION 3: Water service denial
- a) Amigo Villa Water Service may immediately discontinue water service by a physical break in the service until the member has corrected conditions noted in this program or:
 - i) In case of emergency.
 - ii) Where a reduced pressure principle backflow prevention device is required.
 - iii) Where an immediate threat to live, member health, or water system operation is found to exist.
 - iv) In other cases after a reasonable time period; the testing, repair, replacement of a backflow prevention device, or other requirement of this program is not performed.