

CROSS CONNECTION CONTROL PLAN
and
ENABLING AUTHORITY
for the
Junipine Acres Water System
PWS #4105410
(January 4, 2007)

Section 1: Purpose of the Enabling Authority

The purpose of this enabling authority is to protect the public water supply of Junipine Acres from the possibility of contamination or pollution from any cross connection and to assure that approved backflow prevention assemblies are tested when put into service, repaired or relocated, and on an annual basis thereafter. This enabling authority is required by Oregon Administrative Rule (OAR) 333-061-0070 and 333-061-0071 for public water systems and the Uniform Plumbing Code (UPC), also known as the Plumbing Specialty Code, as adopted by the State of Oregon.

Responsibility: Water Purveyor (Junipine Acres):

- Junipine Acres shall be responsible for the protection of the water distribution system from the foreseeable conditions leading to the possible contamination or pollution of the drinking water system due to the backflow of contaminants or pollutants into the drinking water supply.
- Drinking water system surveys/inspections of the water distribution, when necessary, system shall be conducted by individuals deemed qualified by and representing Junipine Acres. Survey/inspection records shall indicate compliance with OAR 333-061-0070 and 333-061-0071 and the UPC adopted by the State of Oregon.
- It shall be the responsibility of Junipine Acres to purchase, install and arrange testing and maintenance of any backflow prevention device/ assembly required to comply with this enabling authority.
- The selection of the appropriate approved backflow prevention assembly for containment control at the required service shall be determined by Junipine Acres.
- It shall be the responsibility of Junipine Acres as the owner of the backflow prevention device to provide the results of the annual test report to in its Annual Summary Report for the Oregon DHS Drinking Water Program.

Responsibility: Consumer (Junipine Homeowner or Resident)

- To comply with this enabling authority as a term and condition of water supply and acceptance of responsibilities as a water system user.

- To install any backflow prevention assembly device necessary to protect their drinking water from cross contamination within their property boundary. Installation and testing of these devices shall be the responsibility of the homeowner.

Section 2: Definitions

- **Approved Backflow Prevention Assembly:** means a Reduced Pressure Principle Backflow Prevention Assembly, Reduced Pressure Principle-Detector Backflow Assembly, Double Check Valve Backflow Prevention Assembly, Double Check-Detector Backflow Prevention Assembly, Pressure Vacuum Breaker Backsiphonage Prevention Assembly or Spill-Resistance Pressure Vacuum Breaker Backsiphonage Prevention Assembly, of a make, model, orientation and size approved by the Department and Junipine Acres (see the attached specifications). Assemblies listed in the currently approved backflow prevention assemblies list developed by the University of Southern California, Foundation for Cross-Connection Control and hydraulic research, or other testing laboratories using equivalent testing methods, are considered approved by the Department.
- **Backflow:** means the flow of water or other liquids, mixtures, or substances into the distribution pipes of a potable supply of water from any sources other than its intended source, and is caused by backsiphonage or backpressure.
- **Backpressure:** means an elevation of pressure downstream of the distribution system that could cause, or tend to cause, water to flow opposite of its intended direction.
- **Backsiphonage:** means a drop in distribution system pressure below atmospheric pressure (partial vacuum), that would cause, or tend to cause, water to flow opposite of its intended direction.
- **Cross Connection:** means any actual or potential unprotected connection or structural arrangement between the public or user's potable water system and any other source or system through which it is possible to introduce into any part of the potable system any used water, industrial fluid, gas, or substances other than the intended potable water with which the system is supplied. Bypass arrangements, jumper connections, removable sections, swivel, or change-over devices, and other temporary or permanent devices through which, or because of which, backflow can occur are considered to be cross connections.
- **Department:** means the Oregon Department of Human Services (DHS).
- **Premise Isolation:** means the practice of protecting the public water supply from contamination or pollution by installing backflow prevention assemblies at, or near, the point of delivery where the water supply enters the premise. Premise isolation does not guarantee protection to persons on the premise.

Section 3: Policy

- No water service connection to any premise shall be installed or maintained unless the water supply is protected as required by OAR 333-061-0070 and 333-061-0071, the Plumbing Specialty Code of Oregon and this enabling authority.

- Each consumer shall allow access for inspections during reasonable hours to authorized representative(s) of Junipine Acres water system for the purpose of conducting a hazard assessment survey to determine whether cross connections, actual or potential, exist.
- In the event of an actual backflow incident which endangers public health, water service may be terminated immediately and not restored until the cross connection is either eliminated or adequately protected.


Section 4. Violation of this Enabling Authority

If violations of this enabling authority exist or if there has not been any corrective action taken by the consumer within 14 days of the written notification of the deficiencies noted, then Junipine Acres shall deny or immediately discontinue water service to the premises by providing a physical break in the service line until the customer has corrected the conditions(s) to be in conformance with applicable OAR and Plumbing Specialty Code regulations and statutes relating to plumbing, safe drinking water and this enabling authority.

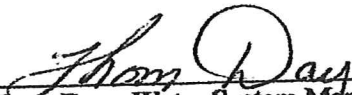
Corrective actions include but are not limited to:

- Removal or elimination of an unprotected or potential cross connection;
- Installation and maintenance of a required approved backflow prevention assembly;
- Conducting the required testing of an approved backflow prevention assembly.


This Enabling Authority is approved, adopted and shall remain in full force and effect as of this date and until such time as amended or eliminated.



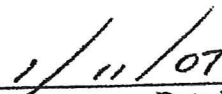
 Don Collins, President
 Junipine Acres Homeowners Association



 Thom Day, Water System Manager
 Junipine Acres Homeowners Association



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Specifications for Water Meters And Backflow Units

November 1, 2005

- Water Meter: 3/4" x 5/8" Badger M25 (specify to read in gallons not cfs)
- Double Check Valve Assembly: Watts 3/4" 007M3QT
- Water System Valves: 3/4" brass meter angle stop ball type with union
- House Connection Valves: 3/4" brass CVR FIP MTR VLV
- Pipe and Fittings: 3/4" Schedule 40 or 80 PVC
- 17"x30"x18" Plastic Dual Meter Box with Ductile Iron Lid
- 36" wide galvanized screen with 1/2" wire mesh
- 35"x 18" laundry bag filled with Styrofoam peanuts
- See previous orders for more information

Installation Instructions

- Connect 3/4" PVC pipe to the water and house connection lines and elbow up to approximately 14" from the top of the meter box to be installed. The distance between the two lines will be approximately 27" when using the materials specified herein. The top of the meter box is to be installed 1"-2" above ground level grade.
- Attach the meter assembly to the two lines just installed.
- Place 3"-4" of sand beneath and over the PVC pipe connections to the main water and house connection lines.
- Place 3" - 4" of 3/4" minus gravel over the sand.
- Install the screen over the 3/4" minus gravel and place the meter box over the meter assembly and screen. Be sure to plug any holes to prevent varmint entry.
- Place 2" 3" of 3/4" minus gravel around the meter box and backfill with dirt.
- Place the laundry bag with Styrofoam peanut insulation in the meter box.