



PENNGROVE KENWOOD WATER COMPANY

Cross Connection & Backflow Policy

A Cross Connection and Backflow Prevention Program is required of all domestic water suppliers by the California Department of Health Services under Title 17 of the California Administrative Code. The purpose of these state regulations is to safeguard public drinking water by preventing any possible contamination from private sources of unapproved water, hazardous or objectionable substances.

No water service connection to any premises shall be installed or maintained by the Company unless the Company's water is protected as required by State Laws and Regulations. If in the judgment of the company an approved backflow prevention device is required, it shall be installed on each service line into an applicant's or customers system at or near the property line or immediately inside the building being served, but in all cases, before the first branching line leading off the service line. If, in the judgment of the Company, an approved backflow device is required but is not installed or tested and maintained, or if it is found that a backflow prevention device has been removed or by-passed, the company shall give notice in writing to said customer to install such and approved backflow device at each service connection serving the customer's premises. The customer shall immediately install such approved device or devices at customer's sole expense; and failure, refusal or inability on the part of the customer to install said device or devices shall immediately constitute grounds for discontinuing water service until such device or devices have been properly installed or such conditions or defects have been corrected.

A backflow prevention device must be inspected and tested annually to ensure that it is working properly. These inspections and tests shall be at the sole expense of the customer and must be done by a Certified Backflow

Prevention Tester. Any repair work indicated must be completed within 30 calendar days of the date of the inspection.

CONDITIONS DICTATING TYPE OF BACKFLOW PREVENTER(S) TO BE INSTALLED

POTENTIAL HEALTH HAZARD: If on any premises there is any material dangerous to health which is handled or stored in such a fashion as to constitute a hazard, the Company's system shall be protected by an approved air-gap separation or approved reduced pressure principal backflow device. Example of premises where these conditions will exist include sewage treatment plants, sewage pumping stations, chemical plants, hospitals, mortuaries and plating plants.

POTENTIAL CONTAMINATION OBJECTIONABLE BUT NOT HAZARDOUS: In the case of any premises where there is water or other substance that would be objectionable but not hazardous to health if introduced into the Company's public water system, the public water system shall be protected by an approved reduced pressure device.

AUXILIARY WATER SUPPLY: If on any premises there is an auxiliary water supply, whether or not there is an existing cross connection, the Company's system shall be protected by an approved reduced pressure backflow prevention assembly.

UNKNOWN CONDITIONS: In the case of premises where because of security requirements or other prohibitions or restrictions, it is not possible to make a complete cross-connection survey, the Company's system shall be protected against backflow or back-siphonage by an approved reduced pressure backflow prevention device.

OTHER CONDITIONS: Other conditions that might require backflow protection of the Company's system are detailed in Title 17 of the State of California Administrative Code. A copy of the complete legislation is available from the California State Department of Health Services.

It is the intent of the Water Company, by these stated policies to adhere as closely as possible to the requirements outlined in Title 17 of the State of California Administrative Code.

WELLS OUT OF SERVICE: For a well to be considered out of service it must be inspected twice a year to ensure that it remains so and presents no cross-connection hazard to the Company's public water supply; and to exempt the customer from the 'Company's backflow device requirements. The customers will be charged at the hourly rate at the time of the inspection for actual time required for the inspection with a minimum charge of twenty dollars.

A well out of service must have its pump pulled or removed, electrical wiring removed, and sealed with a watertight threaded or welded cap.

Maintenance of these requirements and the twice a year inspection will exempt a customer from the Company's backflow prevention device requirements because of an auxiliary water supply.

ABANDONMENT & DESTRUCTION OF WELLS

Any well that is contaminated, dry or otherwise undesirable should be destroyed in such a way that the potable or usable ground water in the vicinity is protected from pollution, contamination or the entrance of runoff or surface water. Any well no longer in use shall never be used for disposal of any solid or liquid waste which would contaminate or pollute the groundwater.

Permanent abandonment of a well requires careful sealing. The procedure outlined below is designed to restore the geological conditions that existed before the well was constructed and to prevent any future contamination of water within the aquifer. This work must be done by a licensed "C-57" well contractor / Backflow Specialist under permit issued by the County of Sonoma.

- 1) Any obstruction in the well shall be removed where possible.
- 2) As much casing as possible shall be removed.
- 3) Wherever possible, depending on the type of casing, shall be ripped or perforated.

- 4) The well shall be filled to within thirty (30) feet from the surface with uncontained clay, and or other inorganic material.
- 5) The well shall be sealed to a depth of at least thirty (30) feet with an impervious material such as concrete or puddle clay. This material shall be placed in such a way as to ensure a dense seal free of void or pockets in order to exclude surface water.
- 6) The contractor shall have the work inspected and the permit signed off by the Sonoma County Health Department. A copy of the signed off permit shall be submitted to the Water Company. Upon completion of the above work the Water Company may issue a permanent exemption from its backflow protection requirements of an auxiliary water supply.