



CROSS CONNECTION CONTROL PROGRAM (CCCP) POLICY

Authority: Washington State Department of Health, Washington Administrative Code (WAC) 246-290-105 and 246-290-490.

Approved by the Board of Directors: April 16, 2003; April 21, 2004; February 21, 2018; April 18, 2018.

Purpose: The Cross Connection Control Program (CCCP) is required to protect the Sierra water distribution system from contamination from cross connections at residences and other structures connected to the system.

Definition: A cross connection is any actual or potential physical connection between a public potable water system and any non-potable liquid, solid, or gas that could contaminate the potable water supply by backflow across the connection.

Potential sources of residential contamination: The following are examples of special plumbing or equipment that would need to be assessed to determine the risk of cross contamination: Water softeners or filtration systems, hot tubs, solar heating, underground lawn sprinkler systems, residential fire sprinkler systems, grey water systems or cisterns for irrigation water, off-site septic drain fields, and/or septic pumps.

Responsibility:

- It is the individual homeowner's responsibility to take all measures necessary to prevent contamination of the plumbing system within the residence from back flowing under any condition through a cross connection to the Sierra water distribution system.
- All residents will immediately notify Sierra of an entry of any contaminant or pollutant into the potable water at the residence and will cooperate with Sierra to determine the reason for the incident.

Procedure:

1. Sierra will conduct an annual survey to help identify properties with potential cross connection or backflow hazards.
2. The Sierra Water Manager will direct King Water Company when to mail the Water Use Questionnaire and cover letter to all property owners using the Sierra water system. Typically, the questionnaire and letter will be mailed with the 2nd quarter water bill, but the timing of the mailing is at the discretion of the Sierra Board.
3. The questionnaire should be completed by any property owners who have:
 - a. Added or changed any of the special plumbing listed on the questionnaire, or
 - b. Not previously advised King Water of the presence of such plumbing items.
4. If applicable, the questionnaire should be returned to King Water within 30 days, or as otherwise noted in the questionnaire's instructions.
5. The Cross Connection Control Specialist at King Water will review the completed questionnaire and determine if a follow-up call and/or an on-site visit is needed in order to assess the situation.
6. If an on-site visit is required, it will be conducted at no charge to the property owner. Sierra will absorb the cost for the analysis.
7. The property owner will be advised if any corrective actions including installation of protective equipment are necessary to protect the water supply.
 - a. The resident will be responsible for all costs associated with the installation, testing, repair and/or maintenance of any such equipment.
 - b. Required installations must be completed within sixty days of notice from King Water.

8. For all water connections associated with new construction, the Sierra Architecture Manager will provide the Water Use Questionnaire to the owner to complete. The Architecture Manager will submit the form to King Water for review, and will determine if additional steps are required.
9. A Cross Connection Control Program brochure and Water Use Questionnaire will be included in the welcome packets for any new owner or resident.
10. Additionally, and with requirements the same as identified above, all residents must obtain prior approval from Sierra for all changes in water use, and for all alterations and additions to the plumbing system and comply with any requirements imposed by Sierra for cross connection control.
11. Sierra, in conjunction with King Water, is responsible for maintaining an appropriate record keeping and reporting system.
12. If any cross-connection hazards are identified, Sierra will work with King Water to take action to prevent contamination.
13. Sierra has the right and duty to discontinue water supply within 72 hours of giving notice, or a lesser period of time if required to protect public health, if the resident fails to comply with this policy or cooperate with Sierra:
 - in the survey of the premises;
 - in the installation, maintenance, repair, inspection or testing of backflow prevention assemblies;
or
 - other conditions required by Sierra or in Sierra's effort to contain a contaminant or pollutant that is detected in the resident's system.
14. Without limiting the generality of the foregoing, in lieu of discontinuing water service, Sierra may install a reduced pressure backflow assembly on its service pipe to provide premises isolation. Sierra will recover all of the costs of the installation and subsequent maintenance and repair of the assembly, appurtenances and enclosure from the property owner as fees and charges for water. The failure of the property owner to pay these fees and charges may result in termination of service in accordance with the Sierra Country Club Water Rates and billing Procedure.
15. Sierra will provide for consumer education regarding cross connections.