APPENDIX D

CROSS-CONNECTION CONTROL PROGRAM

KELSEYVILLE COUNTY WATERWORKS DISTRICT NO.3

ORDINANCE NO. 1465

An Ordinance Establishing a Cross-Connection Control Program to Protect the Public Water Systems

The Board of Directors of the Kelseyville County Waterworks District No. 3, Lake County, California, Does Ordain as Follows:

Section 1. Protection of Public Water Systems

1.1 Purpose and Intent.

Pursuant to California Cross-Connection Control Policy Handbook in conjunction with Assembly Bill 1671, passed on October 6,2017, and section 116555.5 of the ~~Section 450 of the California~~ Health and Safety Code ~~and Title 17, Section 1174 et seq. of the California Administrative Code,~~ a Cross-Ceonnection Control Program is hereby established in the Kelseyville County Waterworks District No. 3 for the following purposes:

(a)To protect the public water supply from the occurrence of backflow into the Public Water System. To protect from ~~against actual or potential cross-connections by isolating within the premises~~ contamination or pollution from any onsite hazards by eliminating or isolating said hazards and by implementing the installation, maintenance and testing of approved backflow prevention assembly devices. By enforcing methods of protection such as an approved air gap to protect against the threat posed by many conditions typically found on a user's ~~that may occur because of some undiscovered or unauthorized cross-connection on the~~ premises;

(b)To eliminate or isolate existing connections or potential connections between drinking water systems and other sources of water that are not approved as safe and potable for human consumption;

(c)To eliminate or isolate actual or potential cross-connections between drinking water systems and other sources of water, liquids or any other unapproved substances that ~~or process water used for any purpose whatsoever which~~may jeopardize the safety or the drinking water supply; and

(d)To prevent the making of cross connections in the future.

1.2 Definitions. For the purposes of this Ordinance, the following- terms shall have the following meanings: (The definitions below have been pulled directly from the State Water Resources Control Board Cross-Connection Control Policy Handbook Standards and Principles for California's Public Water Systems)

(a) Cross-connection means any unprotected connection between any part of a water system used or intended to supply water for drinking purposes and any source or system containing water or substance that is not or cannot be approved as safe, wholesome, and potable for human consumption.

(b) Approved water supply means any water supply approved by or under the public health supervision of a public health agency of the State of California, or its political subdivisions. In determining what constitutes an approved water supply, the State Department of Public Health reserves final judgment as to its safety and potability.

(c) Auxiliary supply means any water supply on or available to the premises other than a public water supply

(d) Approved check value means a check valve that seats readily and completely and has been approved for use in the Kelseyville County Waterworks District No. 3

(e) Approved double check value assembly means an assembly of at least two independently acting approved check valves including tightly closing shut-off valves on E:'ach side of the check valve assembly and suitable leak-detector drains plus connections available for testing the water tightness of each check valve:

(f) Air-gap separation. means a physical break between a supply pipe and a receiving vessel. The airgap shall be at least double the diameter of the supply pipe measured vertically above the top rim of the vessel, in no case less than one inch

(g) Approved reduced pressure principle backflow prevention device means a device incorporating two or more check valves and an automatically operating differential relief valve located between the two checks, two shut-off valves, and equipped with necessary appurtenances for testing. The device shall operate to maintain the pressure in the zone between the two check valves less than the pressure on the public water supply side of the device.

(h)Approved backflow device means

(1) An approved double check valve assembly; or
(2) An approved air-gap separation; or
(3) An approved reduced pressure principle backflow prevention device.

(i) District water system means a system of wate1· delivery operated and maintained by the Kelseyville County Waterworks District No. 3 formed pursuant to Section 55000 et seq. of the Water Code of the State of California.

(j) Premise or premises means land and everything appurtenant thereto, including but not limited to, buildings, structures, and mobile homes.

(k) County Utilities Manager means the County Utilities Manager for the County of Lake, State of California.

1.3 Cross-connection and Protection Requirements.

3.1 Except as otherwise provided by this Ordinance, no person or entity shall cause a connection to be made between plumbing pipes, plumbing fixtures or appurtenances thereof served with water supplied by Kelseyville County Waterworks District No. 3 ~~a district water system~~ and plumbing pipes, plumbing fixtures or appurtenances thereof served by any other source of water.

3.2 Except as otherwise provided by this Ordinance, no person or entity shall install or use any plumbing pipes, plumbing fixtures or appurtenances thereof which by their construction or means of hook-up, may permit a backflow of water or any other liquid or substance into the Kelseyville Waterworks District No. 3 ~~a district water system~~ or into the service system of a consumer of water from such system.

1.4 Permit Required for Cross connection.

4.1 Any person or entity that installs or maintains a cross-connection or potential cross-connection either direct or indirect on any premises for construction purposes shall obtain a permit for such cross-connection from ~~the~~ Special Districts Administration ~~County Utilities Manager~~.

4.2 As a condition for the issuance of such permit, the person or entity wishing to maintain a temporary cross-connection shall install an approved backflow prevention assembly device of the appropriate protection deemed by the Special Districts Administration commiserate with the degree of hazard set forth by the California Cross Connection Control Policy Handbook.

4.3 Installation of an approved backflow prevention assembly device shall be required under the following circumstances:

(a) An approved backflow prevention assembly device shall be installed at each service connection of the Kelseyville County Waterworks Districts No. 3 ~~a district water system~~ where the premises served ~~is~~ are also served by an auxiliary water supply not approved by the public health agency having jurisdiction.

(b) An approved backflow prevention assembly device shall be installed at each service connection of ~~a district water system~~ the Kelseyville County Waterworks District No. 3 where the premises served has upon it any liquid or substance that potentially may ~~under pressure which may~~ enter a district water system. Such liquid or substance includes, but is not limited to, waters originating from a district water system which have been contaminated below the health standards established for a district water system.

(c) ~~An approved backflow prevention device shall be in-stalled at each service connection of a district water system where the premises served has upon it a cross-connection; provided however, no backflow prevention device is required pursuant to this subsection where such cross-connection has been modified to prevent any contamination of a district water system and such modification has been approved, in writing, by the County Utilities Manager and has been approved by the State or County Health Department.~~

1.5 Requirements for Installation of Backflow Prevention Device.

5.1 When a backflow prevention assembly device is required to be in-stalled pursuant to this Ordinance, the following shall apply:

(a) Any person or entity that is required to install a backflow prevention assembly device pursuant to this Ordinance shall first obtain a permit for such installation from the Special Districts Administration ~~County Utilities Manager~~.

(b) Any backflow prevention assembly device installed must be approved for potable water by the Foundation for Cross-connection Control and Hydraulic Research of the University of Southern California unless otherwise stated in this Ordinance.

(c) ~~Any~~ ~~B~~backflow prevention assemblies ~~device~~ shall be installed in accordance with the ~~methods~~ Kelseyville Waterworks Design and Construction Standards, along with methods of installation prescribed in the University of Southern California Cross-Connection Control Manual unless otherwise stated in writing by the Special Districts Administration.~~"Manual of Cross-connection Control Procedures and Practices" prepared by the California State Department of Health Services Sanitary Engineering Section or as prescribed and approved in writing at his discretion by the County Utilities Manager.~~

(d) Any person or entity which owns any premises where a backflow prevention assembly device has been installed shall have such device inspected annually by an American Water Works Association Certified Backflow Tester pursuant to the California Cross Conection Control Policy Handbook. ~~Certified Inspector pursuant to the applicable Rules and Regulations of the California State Department of Public Health~~. Backflow test reports will be submitted to the Special Districts Administration no later than the annual test date to avoid service interruption. ~~A written report of the inspection shall be filed by the owner of the premises with the County Utilities Manager on the second Monday of each January of each year the device remains installed~~.

(e) The Kelseyville County Waterworks District No. 3 shall not be liable for any costs for the inspection, repair, or maintenance of any backflow prevention assemblies ~~device~~ installed pursuant to this Ordinance. All such costs shall be borne by the owner of the premises

1.6 Installations of Backflow Prevention Devices for Premises with Existing Cross-connections

6.1 Upon adoption of this Ordinance, the Cross Connection Control Specialist~~County, Utilities Manager~~ shall conduct hazard assessment ~~a~~ surveys of all premises affected by the requirements of this Ordinance to determine those premises which have ~~an~~ actual ~~or potential~~ cross-connections, potential cross-connections, or hazards that may pose a threat to the public water system~~.~~

6.2 The owner of each premises affected by the requirements of this Ordinance as determined by the Cross Connection Control Specialist with approval of the Special Districts Administration, ~~County Utilities Manager~~ shall install or cause to be installed an approved backflow prevention assembly device within ninety (90) days of receiving notice. ~~one (1) year from the effective date of this Ordinance.~~

6.3 Upon the determination by the Cross Connection Control Specialist ~~County Utilities Manager~~ that a backflow prevention assembly device is required upon the premises, the Cross Connection Control Specialist ~~County Utilities Manage~~r shall serve notice upon the owner of said premises with approval from the Special Districts Administration~~,~~ as determined from the last assessment roll, by depositing in. the mail, postage prepaid, certified, return receipt requested, and a notice that the ~~premise has been determined to be subject to the provisions of the Ordinance and the~~ steps in which the owner of the premises must take to comply with such provisions.

6.4 Within ninety (90) days of~~After~~ receiving the notice required by subsection 6.3 above,, the owner of the premises shall obtain a permit pursuant to the provisions of this

Ordinance and install the required backflow prevention assembly device following the procedures set forth in subject 5.1 subdivision (c) of this Ordinance. The total cost if such installation shall be borne by the owner of the premises. ~~do one of the following:~~

~~(a) Obtain a permit pursuant to the provisions of this Ordinance and install the device following the procedures set forth in subsection 5.1, subdivision (c) of this Ordinance. The total cost of such installation shall be borne by the owner of the premises; or~~

~~(b) Request the County Utilities Manager to install the device; provided however, the owner of the premises shall be liable only for those costs incurred for purchase of the materials used for such installation. Upon installation, the owner of the premises shall be responsible for all costs of inspection, repair, and maintenance of the backflow prevention device~~.

1.7 Discontinuance of Service

7.1 Service of water to any premises served by a county district water system may be discontinued for noncompliance with the provisions of this Ordinance. Service shall be restored only upon compliance with the provisions of this Ordinance.

1.8 Right of Entry

8.1 The Cross Connection Control Specialist ~~County Utilities Manager,~~ or their ~~his~~ designee, shall inspect premises for noncompliance with the provisions of this Ordinance. They ~~He~~ shall carry proper credentials of this office~~,~~ Uupon exhibition of their credential they shall have the right of entry during usual business hours for performance of their duties, includingconducting hazard assessments. ~~which he shall have T~~the right of entry~~, during usual business hours, to inspect all premises in the performance of his duty. This~~ right of entry shall be a condition of water service in order to provide assurance that the continuation of service to the premises will not be detrimental to the health, ~~constitute a menace to the health~~, safety and welfare of the people throughout a district water system.

1.9 Certification of Tester.

9.1 Each applicant shall be a certified ~~for certification as a tester of~~ backflow tester and shall provide proper credentials to the Special Districts Administration in order to test within the county district water system. Applicants shall hold a valid backflow tester certification from the American Water Works Association or approved equivalent by the State of California.~~prevention devices shall file an approved application with the~~

~~Environmental Health Division of the County Health Department together with a fee as may be established by the Board of Directors.~~

9.2 Each American Water Works Association certified backflow tester applicant shall furnish evidence to show that he has available the necessary tools and equipment to properly test such devices. Tester equipment calibration must be submitted to the Special Districts Administration office annually and tester certification must be submitted every three years to the Special Districts Administration office to be eligible to test within the county water district. ~~Competency in all phases of backflow prevention device testing and repair must be demonstrated by means of education or experience, or both in order to obtain certification. The following are minimum requirements:~~

~~(a) Applicants shall have had at least two (2) years' experience in plumbing or pipe fitting or equivalent qualifications;~~

~~(b) Applicants shall hold a valid certification from the American Water Works Association, California-Nevada Section, or satisfactory completion of the course for the Training and Certification of Testers fo1· Backflow Prevention Devices offered by the Foundation for Cross-connection Control and Hydraulic Research, University of Southern California, or have equivalent training as determined by the County Utilities Manager and the Director of the Lake County Health Department or his authorized designee; and~~

~~(c) Each applicant shall furnish evidence to show that he has available the necessary tools and equipment to properly test such devices. He shall be responsible for the competency and accuracy of all tests and reports prepared by him.~~

9.3 The applicant's certification may ~~e issued to any tester is valid for a period of one (1) year from date of issuance. The certificate may~~ be ~~1·evoked,~~ or suspended ~~or not renewed for unsatisfactory~~ from testing within the county district water system for~~,~~ unsatisfactory testing, unsatisfactory repairs, or filing a report that misrepresents the condition of the backflow prevention assembly device tested.

Section Two ~~2~~. Scope

This Ordinance shall apply to the Kelseyville County Water-works District No. 3.