

## ORDINANCE 02-12

### CROSS CONNECTION CONTROL PROGRAM

THE SHASTA COMMUNITY SERVICES DISTRICT DOES ORDAIN AS FOLLOWS:

#### SECTION I – PURPOSE

The purpose of this ordinance is to protect the public water supply system from contamination due to potential and actual cross-connections. This shall be accomplished by the establishment of a cross-connection control program as required by State regulations. This ordinance is adopted pursuant to Title 17, Section 7583 – 7605, inclusive, of the California Code of Regulations, entitled “Regulations Relating to Cross-Connections”.

#### SECTION II – WHERE PROTECTION IS REQUIRED

Each service connection from the Shasta Community Services District (“SCSD” or “District”) water system for supplying water to premises having an auxiliary water supply or meets any of the criteria listed below shall be protected against backflow of water from the premises into the public water system unless the auxiliary water supply is accepted as an additional source by the Shasta Community Services District, and is approved by the public health agency having jurisdiction.

##### *Requirements for Backflow Devices:*

- *All new service installations shall be equipped with a reduced pressure principle assembly (RPP) backflow device that has passed laboratory and field evaluation tests performed by a recognized testing organization which has demonstrated their competency to perform such tests to the California Department of Public Health. Such institutions include the University of Southern California and the American Water Works Association.*
- *A list of approved devices shall be provided upon request.*
- *The cost of the backflow device, the installation and initial testing shall be arranged by and at the owner’s expense.*
- *The new device shall be installed directly after the outlet of the meter connection.*
- *The new service shall not be put into service until the unit is tested by a certified backflow tester approved by the District and the completely filled out “Backflow Prevention Assembly Test and Maintenance Report” is submitted to the District.*
- *All premises where an irrigation system is directly supplied from the water system into which herbicides, pesticides, or fertilizers are, or can be injected require an RPP.*

- *Premises where entry is denied or restricted to the degree that inspections for cross-connections cannot be made with sufficient frequency or upon short notice to ensure that cross-connections do not exist shall require an RPP.*
- Each service connection from the Shasta Community Services District water system for supplying water to any premises on which any substance is handled in such fashion as may allow its entry into the water system shall be protected against backflow of the water from the premises into the public system. This shall include the handling of process waters and waters originating from the Shasta Community Services District water system which have been subjected to deterioration in sanitary quality.

### SECTION III – RESPONSIBILITY

The General Manager shall be responsible for implementing and enforcing the cross-connection control program. An appropriate backflow prevention assembly shall be installed by and at the expense of the water user at each user connection where required to prevent backflow from the water user’s premises to the domestic water system. It shall be the water user’s responsibility to comply with the Shasta Community Services District requirements.

### SECTION IV – CROSS-CONNECTION PROTECTION REQUIREMENTS

The type of protection that shall be required to prevent backflow into the public water supply system shall be commensurate with the degree of hazard, actual or potential, that exists on the water user’s premises. Unprotected cross-connections with the public water supply are prohibited. The type of backflow prevention assembly that may be required (listed in decreasing level of protection) includes: Air-gap separation (AG), Reduced Pressure Principle backflow Prevention Assembly (RPP), and Double Check Valve Assembly (DC). The water user may choose a higher level of protection than required by the water supplier. The minimum type of backflow protection required to protect the approved water supply at the user’s water connection to premises with varying degrees of hazard are listed in Table 1 of Section 7604, Title 17. Situations which are not covered in Table 1 shall be evaluated on a case-by-case basis and the appropriate backflow protection shall be determined by the water supplier or health agency. *Shasta Community Service District reserves the right to assign the type of protection it deems necessary to protect the public water supply.*

### SECTION V – BACKFLOW PREVENTION ASSEMBLIES

Only backflow prevention assemblies which have been approved by the Shasta Community Services District shall be acceptable for installation by a water user. A list of approved backflow prevention assemblies will be provided upon request to any customer. Backflow prevention assemblies shall be installed in a manner prescribed in Section 7603, Title 17. Location of the assemblies shall be *directly after the meter connection to the premises*. Shasta Community Services District shall have the final authority in determining the required location of a backflow prevention assembly.

## SECTION VI --- TESTING OF BACKFLOW DEVICES

Backflow prevention assemblies must be tested at least annually and immediately after installation, relocation or repair. More frequent testing may be required if deemed necessary by the Shasta Community Services District.

*Testing of backflow assemblies shall be arranged by SCSD and conducted only by certified, qualified testers and testing will remain the legal responsibility of the water user. However, beginning in November of 2012, all customers with backflow devices shall be assessed \$3.75 per month per device to pay for annual testing. The fee shall include all minor repairs to a failed device with the exception of damage necessitating replacement.. It is highly recommended that customers purchase an insulating blanket to protect the devices that are exposed above ground from freezing (air gaps or RPPs). The first year's testing and repair shall be paid for by the District. This does not include purchase or initial installation which is the sole responsibility of the customer. The District shall provide a list of local testers upon request for initial testing after a new installation is made. The testing period (the time when the contractor will test the devices in the District) shall occur as determined by the General Manager and the contractor hired to do the testing.*

*The highlights of this policy are*

- The customer shall no longer be required to schedule and arrange for testing and repairing of their devices except if the device fails outside of the testing period.*
- The new fee will include all arrangements for scheduling, testing and repairing of backflow devices during the testing period. (Damage requiring replacement is not included) Assemblies shall be serviced or minor repairs shall be made during the annual testing period if they are found to be defective with the cost included in the monthly charge.*
- Should a backflow device fail outside of the testing period, it is the customer's responsibility to pay for and arrange for repairs and re-testing.*
- The only reasons in which the customer may incur additional charges for backflow device testing or repair is when the unit is deemed irreparable by the tester, or if the unit fails outside of the testing period. In these instances the customer shall make arrangements for repair/replacement and testing. The District shall provide a list of local testers upon request.*
- The goal of this program is to comply with Title 17 regulations of the California Code of Regulations written to protect the customers of the District from the hazards of cross-connection contamination of the water supply.*

## SECTION VII --- AMNESTY

- *The District will be conducting inspections to locate any unrecorded backflow devices that are not on the District's list to be tested. TITLE 17, California Code of Regulations*
- *A general amnesty shall be offered to any premises that have backflow devices in place, but have not have them tested in the past year (or longer) and will be included in the program described in Section VI.*
- *The District will also be conducting inspections to locate any unrecorded alternate water sources without backflow devices installed.*
- *This amnesty also includes any premises with alternate water supply sources on site, i.e.: wells or private water tanks. These sites will also be included in the program described in Section VI.*
- *Any sites with wells on them that do not currently have backflow protection must install a new RPP device at the owner's expense and shall have their device tested at their cost and a "Backflow Prevention Assembly Test and Maintenance Report" must be submitted to the District within ten days of testing.*
- *Any abandoned or destroyed wells must provide documentation to the District of destruction.*
- *Any sites with private tanks on them that do not currently have backflow protection must install a new RPP device at the owner's expense and have their device tested at their cost and a "Backflow Prevention Assembly Test and Maintenance Report" must be submitted to the District within ten days of testing.*
- *No assembly shall be placed back in service unless it is functioning as required.*
- *Approval must be obtained from the Shasta Community Services District prior to removing relocation or replacing a backflow prevention assembly.*
- *The amnesty shall extend until September 30, 2012.*
- *Any premises with untested devices that are identified after September 30, 2012 shall be considered a hazard to the District and shall be issued a notice that they shall have their device tested at their cost and a "Backflow Prevention Assembly Test and Maintenance Report" must be submitted to the District within ten days of testing.*

## SECTION VIII – ADMINISTRATION AND AUTHORITY

*The cross-connection control program shall be administered by the General Manager of the SCSD. This position has formal oversight of the program under the direction of the California Department of Health Services, Drinking Water Division, under Title 17 of the California Code of Regulations, Article 1, Section, 7584. The authority of the program lies within the Federal Safe Drinking Water Act Amendments of 1996 and the California Health and Safety Code of Regulations, Title 17, Sections 7583-7605. The Shasta Community Services District will establish and maintain a list of approved backflow prevention assemblies as well as a list of approved backflow prevention assembly water testers. The Shasta Community Services District shall conduct necessary surveys of water user premises to evaluate the degree of potential health hazards annually.*

## SECTION IX – WATER SERVICE TERMINATION

Per California Code of Regulations, Title 17, when the Shasta Community Services District encounters water uses that represent a clear and immediate hazard to the potable water supply that cannot be immediately abated the procedure for terminating water service shall be instituted. Conditions or water uses that create a basis for water service termination shall include, but are not limited to, the following:

1. Refusal to install or test a backflow prevention assembly, or to repair or replace a faulty backflow prevention assembly when instructed by SCSD.
2. Direct or indirect connection between the public water system and a sewer line.
3. Unprotected direct or indirect connection between the public water system and a system or equipment containing contaminants.
4. Unprotected direct or indirect connection between the public water system and an auxiliary water system.
5. *Failure to submit a "Backflow Prevention Assembly Test and Maintenance Report" to the District within ten days of testing available from SCSD.*

For condition 1, the Shasta Community Services District will terminate service to the water user's premises after proper notification has been sent. If no action is taken within the allowed time period, water service shall be terminated.

For conditions 2, 3, 4 and 5, the Shasta Community Services District shall take the following steps:

1. Make reasonable effort to advise the water user of intent to terminate water service.
2. Terminate water service and lock service valve. The water service shall remain inactive until correction of violations has been approved by the Shasta Community Services District.

#### SECTION X – EFFECTIVE DATE

This Ordinance shall supersede all previous cross-connection control ordinances and shall take effect thirty (30) days from the date of its adoption. Before the expiration of fifteen (15) days after its adoption, this Ordinance shall be mailed out to all SCSD customers and posted in at least three conspicuous places within the District.