STATE OF CALIFORNIA

WATER RESOURCES CONTROL BOARD

DIVISION OF DRINKING WATER

TO: J. R. Simplot Company
P. O. Box 128
Helm, CA 93627

Water System No. 1000176

Attn: Gilbert Rodriguez

CITATION FOR VIOLATION OF CALIFORNIA CODE OF REGULATIONS, TITLE 22, SECTION 64426.1 (b) (2) - TOTAL COLIFORM MAXIUMUM CONTAMINANT LEVEL

May 2015

C I T A T I O N NO. 03-23-15C-080

Issued on August 17, 2015

Section 116650 of the California Health and Safety Code authorizes the issuance of a citation to a public water system for violation the California Safe Drinking Water Act (Health and Safety Code, Division 104, Part 12, Chapter 4, commencing with Section 116270) (hereinafter "California SDWA"), or any regulation, standard, permit or order issued or adopted thereunder.

The State Water Resources Control Board, acting by and through its Division of Drinking Water (hereinafter "Division") and the Deputy Director for the Division (hereinafter "Deputy Director"), hereby issues a citation to the J. R. Simplot Water System (hereinafter, Water

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STD. 113 (REV. 3-95)
OSP 98 10924

System) (mailing address: P.O. Box 128, Helm, CA 93627) for violation of California Code of Regulations (CCR), Title 22, Section 64426.1 subsections (b)(2).

APPLICABLE AUTHORITIES

Section 116650 of California Health and Safety Code provides, in relevant part:

(a) If the Division determines that a public water system is in violation of this chapter or any regulation, permit, standard, citation, or order issued or adopted thereunder, the Division may issue a citation to the public water system. The citation shall be served upon the public water system personally or by certified mail. Service shall be deemed effective as of the date of personal service or the date of receipt of the certified mail. If a person to whom a citation is directed refuses to accept delivery of the certified mail, the date of service shall be deemed to be the date of mailing.

(b) Each citation shall be in writing and shall describe the nature of the violation or violations, including a reference to the statutory provision, standard, order, citation, permit, or regulation alleged to have been violated.

(c) A citation may specify a date for elimination or correction of the condition constituting the violation.

(d) A citation may include the assessment of a penalty as specified in subdivision (e).

(e) The Division may assess a penalty in an amount not to exceed one thousand dollars ($1,000) per day for each day that a violation occurred, and for each day that a violation continues to occur. A separate penalty may be assessed for each violation.

California Code of Regulations, Title 22, Section 64426.1, subsections (a) and (b) provide, in relevant part:

§64426.1. Total Coliform Maximum Contaminant Level (MCL).

(a) Results of all samples collected in a calendar month pursuant to Sections 64423, 64424, and 64425 that are not invalidated by the Division or the laboratory shall be included in determining compliance with the total coliform MCL. Special purpose samples such as those listed in §64421(b) and samples collected by the water supplier during special investigations shall not be used to determine compliance with the total coliform MCL.

(b) A public water system is in violation of the total coliform MCL when any of the following occurs:

(1) For a public water system which collects at least 40 samples per month, more than 5.0 percent of the samples collected during any month are total coliform-positive; or

(2) For a public water system which collects fewer than 40 samples per month, more than one sample collected during any month is total coliform-positive

STATEMENT OF FACTS

The Water System is operated under Water Supply Permit No. 03-23-14P-005, issued by the Division on February 26, 2014. J. R. Simplot Water System is a non-transient non-community water system serving a population of fifty-seven (57) people through (1) service connection.

The Water System is required to collect a minimum of one (1) distribution system bacteriological sample per month. The bacteriological water analysis results submitted by the Water System reported the presence of total coliform bacteria in three (3) of five (5) samples collected during May 2015. None of the positive samples showed the presence of fecal coliform or *E. coli* bacteria.

The following table summarizes the bacteriological monitoring conducted during the months of May and June of 2015.

Collection Date	Number of Samples	Sample Labeled	Number TC positive	Number E. Coli positive
5/8/2015	1	Routine	1	0
5/15/2015	4	Repeat (including well)	2 (distribution only)	0
6/12/2015	5	Routine	0	0

Due to the above-mentioned total coliform positive samples, the Water System failed the total coliform MCL for the month of May 2015. Results for water samples tested for coliform bacteria during 2015 are summarized in Attachment A. Water System staff have

completed a Positive Total Coliform Investigation (Attachment B), indicating that a non-functioning toilet may have contributed to the source of the contamination. A thorough cross connection control survey conducted by a certified cross connection control specialist will be required.

The Groundwater Rule adopted by the Division, effective August 18, 2011, requires the collection of a sample for bacteriological evaluation from wells serving the system in response to a coliform positive distribution sample. **This requirement was not met with each round of repeat sampling.**

VIOLATION

The Drinking Water Field Operations Branch of the State Water Resources Control Board – Division of Drinking Water (hereinafter 'Division') hereby issues a Citation to J. R. Simplot Water System (hereinafter 'Water System'), for failure to comply with Section 116555(a)(1) of the CHSC and Section 64426.1(b)(2) of Title 22, California Code of Regulations (CCR). Based on the Statement of Facts, the Water System has failed to comply with the total coliform Maximum Contaminant Level (MCL) for the month of May 2015.

NOTIFICATION REQUIREMENTS

Section 64426.1(c) requires a public water system to notify the Division and the consumers of the water system, when a violation of Section 64426.1(b)(1) through (4) the total coliform MCL occurs. Notification to the Division shall be by the end of the business day on which the violation has been determined. If the Division is closed, notification shall be within 24 hours of the determination. **The Division was not notified in accordance with the above-referenced section.**

A Tier 2 Public Notice for violation of paragraph 64426.1(b) (2) shall be given pursuant to Section 64463.4 and 64465. The Tier 2 Public Notice shall include the mandatory health effects language from Appendix 64465-A for a total coliform MCL failure.

Section 64463.4 allows non-transient non-community water systems to give public notice by posting the notice in conspicuous locations throughout the area served by the water system and by the use of one or more of the following methods in order to reach persons not likely to be reached by a public posting: publication in a local newspaper or newsletter distributed to customers, e-mailing the public notice to water system customers, post the public notice on the internet, or by delivery to each customer. The appropriate Tier 2 notification template is provided here as Attachment C. The Water System shall post the public notice provided as Attachment C in conspicuous locations within the water system and shall deliver the public notice directly to each student and employee.

Section 116450(g) requires that upon receipt of notification from a public water system, schools must notify school employees, students, and parents (if the students are minors), residential rental property owners or managers (including nursing homes and care facilities) must notify their tenants and business property owners, managers or operators must notify employees of businesses located on the property.

Notification of the public regarding the May 2015 violation was conducted on May 17, 2015 via email delivery and on May 19, 2015 by posting using Attachment C. Proof of that public notification was provided to the Division using Attachment D.

DIRECTIVES

The Water System is hereby directed to take the following actions:

1. The Water System shall notify the Division of any further violations of the total coliform MCL by the end of the business day on which the violation has been determined, or, if the Division is closed, within 24 hours of the determination.

2. By **September 30, 2015**, the Water System shall have a cross connection control survey (see Attachment E) conducted by a cross connection control specialist. By **October 31, 2015**, the Water System shall submit for approval a Cross Connection Control Program following the guidelines provided in Attachment E. The Water System may contact the DDW Fresno District for guidance in identifying a cross-connection specialist to conduct the survey.

PARTIES BOUND

This Citation shall apply to and be binding upon J. R. Simplot Water System, its officers, directors, shareholders, agents, employees, contractors, successors, and assignees.

SEVERABILITY

The Directives of this Citation are severable, and J. R. Simplot Water System shall comply with each and every provision thereof, notwithstanding the effectiveness of any other provision.

STATE OF CALIFORNIA

WATER RESOURCES CONTROL BOARD

DIVISION OF DRINKING WATER

TO: J. R. Simplot Company
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Water System No. 1000176

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Section 64463.4 allows non-transient non-community water systems to give public notice by posting the notice in conspicuous locations throughout the area served by the water system and by the use of one or more of the following methods in order to reach persons not likely to be reached by a public posting: publication in a local newspaper or newsletter distributed to customers, e-mailing the public notice to water system customers, post the public notice on the internet, or by delivery to each customer. The appropriate Tier 2 notification template is provided here as Attachment C. The Water System shall post the public notice provided as Attachment C in conspicuous locations within the water system and shall deliver the public notice directly to each student and employee.

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FURTHER ENFORCEMENT ACTION

The California SDWA authorizes the Division to: issue citation with assessment of administrative penalties to a public water system for violation or continued violation of the requirements of the California SDWA or any permit, regulation, permit or order issued or adopted thereunder including, but not limited to, failure to correct a violation identified in a citation or compliance order. The California SDWA also authorizes the Division to take action to suspend or revoke a permit that has been issued to a public water system if the system has violated applicable law or regulations or has failed to comply with an order of the Division; and to petition the superior court to take various enforcement measures against a public water system that has failed to comply with violates an order of the Division. The Division does not waive any further enforcement action by issuance of this citation.

8/17/15
Date

Betsy S. Lichti, P.E.,
District Engineer
Division of Drinking Water
State Water Resources Control Board

Attachments:

A. Bacteriological Distribution Report
B. Positive Total Coliform Investigation Form
C. Public Notice
D. Proof of Notification
E. Cross Connection Control Guidelines

Certified Mail Tracking No.: 7014 3490 0001 7868 8194

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Bacteriological Distribution Monitoring Report

1000176 J R Simplot Company — *Distribution System Freq: 1/M*

Sample Date	Time	Location	T Coli	E Coli	F Coli	Type	Cl2	Violation	Comment
1/9/2015	13:21	Nitric Acid	A	A		Routine			
2/12/2015	13:12	Can 17	A	A		Routine			
3/12/2015	8:49	10-34-0	A	A		Routine			
4/10/2015	12:34	Tank Farm	A	A		Routine			
5/8/2015	10:21	Loader Bldg	P	A		Routine			
5/15/2015	12:22	Scalehouse	A	A		Repeat			
5/15/2015	12:57	Admin bldg	P	A		Repeat		MCL	
5/15/2015	13:13	well 7	A	A		Source Repeat			
5/15/2015	13:19	Loader Building	P	A		Repeat			
6/12/2015	9:36	Scalehouse	A	A		Routine			
6/12/2015	9:55	Loader Bldg	A	A		Routine			
6/12/2015	10:15	Nitric Acid	A	A		Routine			
6/12/2015	10:37	Admin Bldg	A	A		Routine			
6/12/2015	10:59	Locker Room	A	A		Routine			

Violation Key

MCL	Exceeds the maximum contaminant level	MR5	Incorrect number of repeat samples as follow-up to a positive sample
MR1	No monthly sample for the report month	MR6	No source sample
MR2	No quarterly sample for the report month	MR7	No summary report submitted
MR3	Incorrect number of routine samples for the report month	MR8	Other comments and/or info
MR4	Did not collect 5 routine samples for previous month's positive sample	MR9	Cl2 not reported

Attachment B

POSITIVE TOTAL COLIFORM INVESTIGATION
Simple Well with Pressure Tank Systems

This form is intended to assist public water systems in completing the investigation required by the SWRCB Drinking Water Division (Section 64426(b) of Title 22, California Code of Regulations) and may be modified to take into account conditions unique to the system.

ADMINISTRATIVE INFORMATION

PWS Name:	JR Simplot Company	**PWS ID NUMBER:**	1000176
	Name	**Address**	**Telephone #**
Operator in Responsible Charge (ORC)	Ryan Harris	1414 Stanislaus Fresno Ca 93706	559-974-5718
Person that collected TC samples if different than ORC			
Owner	JR Simplot Co	12688 S. Colorado Ave, Helm CA 93627	559-866-5681
Certified Laboratory for Microbiological Analyses	BSK	1414 Stanislaus Fresno Ca 93706	559-497-2888
Date Investigation Completed:	5/27/15		
Month(s) of Total Coliform MCL Failure:	May/June		

INVESTIGATION DETAILS

SOURCE	WELL (name)	WELL (name)	WELL (name)	WELL (name)	COMMENTS
	Well 7				
1. Inspect each well head for physical defects and report					
a. Is raw water sample tap upstream from point of disinfection?	Yes				
b. Is wellhead vent pipe screened?	NA				
c. Is wellhead seal watertight?	Yes				
d. Is well head located in pit or is any piping from the wellhead submerged?	No				
e. Does the ground surface slope towards well head?					
f. Is there evidence of standing water near the wellhead?	No				
g. Is there a check valve on the well discharge line? Is the check valve seating properly?	Yes				Unknown if valve is seating properly, line holds pressure.
h. Are there any connections to the raw water piping that could be cross connections? (describe all connections in comments)	No				Past internal survey found no cross connection. Pending 3rd party survey.
i. Is the wellhead secured to prevent unauthorized access?	Yes				
j. To what treatment plant (name) does this well pump?	NA				
k. How often do you take a raw water total coliform (TC) test?	Monthly				
l. Provide the date and result of the last TC test at this location	5/15/15 Absent				

Attachment B

Attachment B

POSITIVE TOTAL COLIFORM INVESTIGATION

DISTRIBUTION SYSTEM	SYSTEM RESPONSES
1. What is the minimum pressure you are maintaining in the distribution system?	45 psi
2. Did pressure in the distribution system drop to less than 5 psi prior to experiencing the TCR positive finding.	No
3. Has the distribution system been worked on within the last week? (service taps, hydrant flushing, main breaks, main extensions, etc.) If yes, provide details.	Disconnected toilet, improved sampling site in loader office then manually chlorinated system. No ongoing chlorination, only post maintenance activities or positive coliform readings.
4. Are there any signs of excavations near your distribution system not under the direct control of your maintenance staff?	No
5. Did you inspect your distribution system to check for mainline leaks? Do you or did you have a mainline leak?	No leaks at time of inspection
6. If there was a mainline leak, when was it repaired?	
7. On what date was the distribution system last flushed?	5/26/15
8. Is there a written flushing procedure you can provide for our review?	Disinfection procedures
9 Do you have an active cross connection control program?	No, projects and maintenance activities are reviewed to ensure no cross connection.
10. What is name and phone number of your Cross-Connection Control Program Coordinator?	None
11. Is the review and testing of backflow prevention devices current?	Initial test upon install, pending test. Date TBD
12. On what date was the last physical survey of the system done to identify cross-connections?	2013 – Pending upcoming cross connection survey.

SAMPLE SITE EVALUATION (Complete for all TC+ or EC+ findings)	Routine Site TC+ or EC+	Upstream Site	Downstream Site	Sample 4 (specify) Well 7
1. What is the height of the sample tap above grade? (inches)				
2. Is the sample tap located in an **ext**erior location or is it protected by an **enc**losure?	Exterior	Exterior	Exterior	Exterior
3. Is the sample tap threaded, have a swing arm (kitchen sink) or aerator (sinks)?	No	Aerator	Threaded	No
4. Is the sample tap in good condition, free of leaks around the stem or packing?	Yes	Yes	Yes	Yes
5. Can the sample tap be adjusted to the point where a good laminar flow can be achieved without excessive splash?	Yes	Yes	Yes	Yes
6. Is the sample tap and area around the sample tap clean and dry (free of animal droppings. other contaminants or spray irrigation systems)	Yes	Yes	Yes	Yes
7 Is the area around the sample tap free of excessive vegetation or other impediments to sample collection	Yes	Yes	Yes	Yes
8. Describe how the tap was treated in preparation for sample collection (ran water, swabbed with disinfectant, flamed, etc.)	Flushed/Flamed	Flushed/Flamed	Flushed/Flamed	Flushed/Flamed

Attachment B

POSITIVE TOTAL COLIFORM INVESTIGATION

SAMPLE SITE EVALUATION (Complete for all TC+ or EC+ findings)	Routine Site TC+ or EC+	Upstream Site	Downstream Site	Sample 4 (specify) Well 7
9. Is this sample tap designated on the sampling plan submitted with this information request?	Yes	Yes	Yes	Yes
10. What were weather conditions at the time of positive sample (rainy, windy, sunny)?	Sunny	Inside	Sunny	Sunny

GENERAL OPERATIONS:	Response
1. Where there any power outages that affected water system facilities during the 30 days prior to the TC+ or EC + findings?	No
2. Where there any main breaks, water outages, or low pressure reported in the service area where TC+ or EC+ samples were located.	No
3. Does the system have backup power or elevated storage?	Above ground water storage tanks. Site has generator back up power.
4. During or soon after bacteriological quality problems, did you receive any complaints of any customers' illness suspected of being waterborne? How many?	No
5. What were the symptoms of illness if you received complaints about customers being sick?	NA

ADDITIONAL INFORMATION TO BE SUBMITTED WITH RESPONSES TO THE ABOVE QUESTIONS

1. **Sketch** of System showing all sources, treatment locations, storage tanks, microbiological sampling sites and general layout of the distribution system including the location of all hazardous connections such as the wastewater treatment facility.
2. A set of photographs of the well, pressure tanks, and storage tanks in the system may be submitted if they would show that the contamination is directly related and changes have been made since the last inspection by our Division.
3. Name, certification level and certificate number of the Operator in Responsible Charge.
4. Copy of the last cross connection survey performed that identifies the location of all unprotected cross connections.

SUMMARY: BASED ON THE RESULTS OF YOUR INVESTIGATION AND ANY OTHER INFORMATION AT YOUR DISPOSAL, WHAT DO YOU BELIEVE TO BE THE CAUSE OF THE POSITIVE TOTAL COLIFORM SAMPLES FROM YOUR PUBLIC WATER SYSTEM?

Loader building positive - Potentially the toilet that is out of commission being full of fecal matter may have something to do with the positive samples. Water line is now disconnected.

POSITIVE TOTAL COLIFORM INVESTIGATION

CERTIFICATION: I CERTIFY THAT THE INFORMATION SUBMITTED IN RESPONSE TO THE QUESTIONS ABOVE IS ACCURATE TO THE BEST OF MY PROFESSIONAL KNOWLEDGE

NAME: [illegible] TITLE: Production Manager DATE: 6-10-15

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.
Tradúzcalo o hable con alguien que lo entienda bien.

J. R. Simplot Water System Has Levels of Coliform Bacteria Above the Drinking Water Standard

Our water system recently failed a drinking water standard. Although this incident was not an emergency, as our consumers, you have a right to know what you should do, what happened and what we did to correct this situation.

We routinely monitor for drinking water contaminants. We took five (5) samples to test for the presence of coliform bacteria in May 2015. Three of these samples showed the presence of total coliform bacteria. The standard is that no more than one sample per month may show the presence of coliform bacteria.

What should I do?

- **You do not need to boil your water or take other corrective actions.**
- This is not an emergency. If it had been, you would have been notified immediately. Total coliform bacteria are generally not harmful themselves. *Coliforms are bacteria which are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.*
- Usually, coliforms are a sign that there could be a problem with the treatment or distribution system (pipes). Whenever we detect coliform bacteria in any sample, we do follow-up testing to see if other bacteria of greater concern, such as fecal coliform or *E. coli*, are present. **We did not find any of these bacteria in our subsequent testing.**
- People with severely compromised immune systems, infants, and some elderly may be at increased risk. These people should seek advice about drinking water from their health care providers. General guidelines on ways to lessen the risk of infection by microbes are available from EPA's Safe Drinking Water Hotline at 1(800) 426-4791.
- If you have other health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What is being done?

During a routine monthly sampling, the loader's office was high for total coliform. During our follow up sampling, both the loader and the admin building were high for total coliform. We plan to disinfect the entire system as a precaution and then perform follow up testing to confirm the effectiveness of the treatment.

For more information, please contact Gilbert Rodriguez at 559-392-6902 or E-Mail: gilbert.rodriguez@simplot.com

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- SCHOOLS: Must notify school employees, students, and parents (if the students are minors).
- RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS (including nursing homes and care facilities): Must notify tenants.
- BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS: Must notify employees of businesses located on the property.

This notice is being sent to you by J.R. Simplot Water System Date distributed: _5/19/15___.

CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board
Division of Drinking Water

ATTACHMENT _____

PROOF OF NOTIFICATION

(Return with copy of notice)

As required by Section 116450 of the California Health and Safety Code, I notified all users of water supplied by the **J. R. Simplot Water System** of the failure to meet the **total coliform bacteria MCL** bacteria for the month of **May 2015** as directed by the Division.

Notification was made on 5-17-15 by Email / 5-19-15 posted by
(date)

hand delivered and/or ~~**mailed**~~ Email and/or **posted** written notice.
(*circle all that apply*)

Signature of Water System Representative

Gilbert Rodriguez
Printed Name

5-19-15
Date

DISCLOSURE: Be advised that Section 116725 and 116730 of the California Health and Safety Code state that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance with the attached order may be liable for a civil penalty not to exceed five thousand dollars ($5,000) for separate violation for each day that violation continues. In addition, the violators may be prosecuted in criminal court and upon conviction, be punished by a fine of not more than $25,000 for each day of violation, or be imprisoned in the county jail not to exceed one year, or by both the fine and imprisonment.

Due: Jun 15, 2015
Total Coliform MCL Failure: May 2015
System Number: 1000176
Citation No.: _____

CROSS-CONNECTION CONTROL
NON-COMMUNITY WATER SYSTEMS
SWRCB DDW - FRESNO DISTRICT

Purpose of Cross-Connection Control Program

Water provided by a public water system may be contaminated via cross-connections within the user's distribution system. The purpose of the cross-connection control program is to eliminate actual cross-connections and to reduce the hazard of potential cross-connections. This is accomplished by identifying actual and potential cross-connections and either installing appropriate backflow prevention assemblies or ensuring that water-using equipment is installed in accordance with plumbing code requirements and good practice.

What are cross-connections?

Cross-connections are unprotected connections between a potable water system and any source or system containing unapproved water or a substance, which is not safe. Examples of cross-connections include:

1. Improperly installed irrigation systems (which may allow back siphoning of stagnant, bacterially contaminated water into the piping system) or premises where there are irrigation systems into which fertilizers, herbicides, or pesticides are or can be injected.
2. Improperly plumbed water-using devices such as hot tubs, boilers or commercial dishwashers.
3. Irrigation systems served by an auxiliary source, such as an unapproved well or a creek. Such systems, if connected to the drinking water system, create a potential for contamination via cross-connections.
4. Interconnections between the potable system and a non-potable system.

How to Comply

For Non-community water systems, the program consists of identification of hazards and protection of the system from these hazards. The program is to be adapted to the size and complexity of the system. The following are the required elements and necessary actions:

1. Identification of Hazards -This consists of a review of the system facilities to identify areas of potential contamination via cross-connections. A survey of the system is to be conducted with documentation of the findings. Any facilities that handle wastewater or hazardous liquids require special evaluation to ensure protection of the potable system from contamination.
2. Protection of System -Taking action to abate the potential cross-connection by ensuring compliance with plumbing codes, installing and maintaining appropriate backflow prevention assemblies and other means. This includes annual testing and repair or replacement as needed.

Completion and Documentation

Attached is additional information and forms that you can use to help guide you through this program. A survey of the system is to be conducted by a qualified person. Documentation of the survey findings is to be maintained and submitted to the Division when requested.

Attachments - Information and forms for surveys

Notes:
1. Regulatory Authority: Pursuant to Section 7584 of the California Code of Regulations, which states, "The water supplier shall protect the public water supply from contamination by implementation of a cross-connection control program".
2. Applicability: Non-community water systems

ELEMENTS OF A CROSS-CONNECTION CONTROL PROGRAM
SWRCB DDW - FRESNO DISTRICT

When implementing a Cross-Connection Control Program, the water supplier or health agency should follow an organized plan. The following items should be included as a minimum:

7584. Responsibility and Scope of Program
The water supplier shall protect the public water supply from contamination by implementation of a cross-connection control program. The program, or any portion thereof, may be implemented directly by the water supplier or by means of a contract with the local health agency, or with another agency approved by the health agency. The water supplier's cross-connection control program shall for the purpose of addressing the requirements of Sections 7585 through 7605 include, but not limited to, the following elements:

(a) The adoption of operating rules or ordinances to implement the cross-connection program.

A public water supplier shall enact an ordinance or rule of service outlining the cross-connection control program and providing enforcement authority.

(b) The conducting of surveys to identify places where cross-connections are likely to occur.

Water utilities do not have any responsibility for controlling or abating cross-connections on a user's premises. All existing facilities where potential cross-connections are suspected, however, shall be listed and inspected or reinspected on a priority basis, where feasible. All applications for new services or for enlarging existing services or changing of occupant shall be reviewed or screened for cross-connect1ons hazards Surveys are intended to be conducted by a person certified by AWWA or ABPA as a cross-connection specialist. A list of persons that have this certification may be obtained by contacting AWWA at (909) 481-7200, ABPA at http://www.abpa.org/, or by contacting the CDPH-Fresno District office.

(c) The provision of backflow protection at the user's connection or within the user's premises or both.

Adequate provisions for implementation and enforcement of backflow protection where needed including the shutting off service when necessary

(d) The provision of at least one person trained in cross-connection control to carry out the cross-connection program.

Specific units of the health agency and/or water supplier should be designated to organize and carry out the cross-connection control program. The personnel in those units should be trained as to the causes and hazards of unprotected cross-connections.

(e) The establishment of a procedure or system for testing backflow preventers.

A list of approved backflow preventers and list of certified testers should be made available to each water user required to provide backflow protection.

The list may include backflow devices approved by University of Southern California, Foundation for Cross-Connection Control and IAPMO, which may be found on the SWRCB website at the following address:

http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/publications.shtml

The List of certified testers may be lists developed by the American Water Works Association and local county health agencies.

Backflow preventers should be tested at least yearly or more often as required by the health agency or water supplier.

(f) The maintenance of records of locations, tests and repairs of backflow preventers

Adequate records should be kept and filed for reference. These records should include, in addition to the name of the owner of the premises, the:

a) Date of inspection
b) Results of inspection
c) Required protection
d) List of all backflow preventer devices in the system
e) Test and maintenance reports
f) All correspondence between the water supplier, the local health authority, and the consumer
g) Records must be maintained for a minimum of three years

Records of inspection and testing should be evaluated to determine if:

a) Devices are frequently or sufficiently reviewed to detect failure.
b) There are unusual feature of a particular model of device or component.
c) Cause of failure can be eliminated.

A program should be established to notify the water user when his backflow preventer must be tested. (A minimum of once each year is required.) After installation or repair, a backflow preventer should be tested and approved before it is accepted.

7605. Testing and Maintenance of Backflow Preventers

Regulations require the following regarding testing and maintenance of backflow prevention devices:

(a) The water supplier shall assure that adequate maintenance and periodic testing are provided by the water user to ensure their proper operation.

(b) Backflow preventers shall be tested by persons who have demonstrated their competency in testing of these devices to the water supplier or health agency.

(c) Backflow preventers shall be tested at least annually or more frequently if determined to be necessary by the health agency or water supplier. When devices are found to be defective, they shall be repaired or replaced in accordance with the provisions of this Chapter.

(d) Backflow preventers shall be tested immediately after they are installed, relocated or repaired and not placed in service unless they are functioning as required.

(e) The water supplier shall notify the water user when testing of backflow preventers is needed. The notice shall contain the date when the test must be completed.

(f) Reports of testing and maintenance shall be maintained by the water supplier for a minimum of three years.

GUIDELINES FOR CROSS-CONNECTION CONTROL FOR IRRIGATION SYSTEMS

Summary: Public water systems must be protected from actual and potential cross-connections between irrigation systems and domestic water systems. This is accomplished by ensuring that the irrigation system is installed in accordance with the requirements of the Uniform Plumbing Code with appropriate backflow prevention devices.

Special Conditions: For systems with an unapproved auxiliary source serving the irrigation system, additional protective action is necessary to guard against introduction of water from the auxiliary source into drinking water system. The following actions must be taken to guard against this hazard:

1. Identify all interties between the domestic system and the irrigation system.

2. Either disconnect these interties or install approved backflow prevention devices at each intertie. A Reduced Pressure Principle backflow prevention device is the type of device, which is to be installed.

3. Verify that there are no other interconnections between the domestic and irrigation systems. This is accomplished by draining the irrigation system and verifyling that it does not refill with water from the domestic system through an undetected cross-connection. This procedure should be repeated on a period basis (once every three months).

Records: Maintain written records of dates of tests, procedures, results and corrective actions taken.

CROSS-CONNECTION SURVEY SUMMARY FORM
NON-COMMUNITY WATER SYSTEMS

System Name _____ Number _____

Date of Survey _____

Name of person performing survey _____

Qualifications of person performing survey _____

Description of Survey (Elements of survey, how conducted, hazards identified):

Actions taken (Include description of corrections, backflow prevention assemblies installed):

Long-term (Include description of who will ensure ongoing protection of the system from cross-connections and testing of backflow prevention assemblies):

Other (Include other elements of program):

Name of person completing this report _____ Date _____

Signature _____