

STATE OF CALIFORNIA
WATER RESOURCES CONTROL BOARD
DIVISION OF DRINKING WATER

IN RE: **CITY OF LOS BANOS**
Water System No. 2410005

TO: Mr. Mark Fachin
City of Los Banos
411 Madison Avenue
Los Banos, CA 93635

CC: Merced County Division of Environmental Health Department
Randy Williamson, Water Quality Specialist (same address)

**CITATION FOR VIOLATION OF
CALIFORNIA CODE OF REGULATIONS, TITLE 22, SECTION 64426.1 AND
SECTION 64430, ADDENDUM A 141.402 (2)
August 2014**

Issued on October 27, 2014

Section 116650 of the California Health and Safety Code authorizes the issuance of a citation to a public water system for violation of 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 (hereinafter "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 City of Los Banos (hereinafter "City") (411 Madison Avenue, Los Banos, CA 93635) for violation of California Code of Regulations (CCR), Title 22, Section 64426.1.

1 APPLICABLE AUTHORITIES

2 The applicable statutes and regulations are provided in Attachment A, attached hereto and
3 incorporated by reference.

4
5 STATEMENT OF FACTS

6
7 The City of Los Banos is a community water system serving a residential population of
8 approximately 37,017 persons through 11,117 service connections. The City currently operates
9 under the water supply permit (03-11-99P-003) issued on April 29, 1999 by the Division and
10 under an amended water supply permit (03-11-03PA-003) issued by the Division on September
11 30, 2003.

12
13 The City is required to collect a minimum of ten (10) distribution system bacteriological samples
14 per week. The bacteriological water analysis results submitted by the City reported the presence
15 of total coliform bacteria in three (3) of forty (40) samples collected by the City on August 20,
16 2014. None of the positive samples showed the presence of fecal coliform or *E. coli* bacteria.

17
18 Upon being informed of the presence of total coliform bacteria in three (3) routine samples
19 collected at 363 L Street, 745 Texas Avenue and 411 Madison Avenue on August 20, 2014, City
20 staff collected a total of nine (9) repeat samples (3 per routine positive location) on August 25,
21 2014. The proper numbers of repeat samples were collected. None of the repeat samples
22 showed the presence of total coliform bacteria. For August 2014, a total of three (3) of the forty
23 nine (49) distribution system samples collected were positive for total coliform bacteria. This
24 calculates to 6.1 percent of the samples being positive for total coliform bacteria which is greater
25 than the allowable percentage, 5 %, of coliform positive samples. All water samples for coliform
26 bacteria collected during August 2014 are summarized in Attachment B.

1 The cause of the contamination is unknown since no specific source of contamination has been
2 identified. The City provides for continuous disinfection of the distribution system.

3
4 The California Groundwater Rule (GWR) requires the collection of a sample for bacteriological
5 evaluation from the well(s) serving the system in response to a coliform-positive distribution
6 system sample within 24 hours of being notified of the coliform-positive result. Based on data
7 submitted to the Division, the City did not collect their raw water well samples in a timely manner
8 in follow-up to the total coliform-positive routine samples collected on August 20, 2014. For the
9 month of August, the City reported only the raw water samples that were collected on August 6,
10 2014, which were absent for total coliform bacteria.

11
12 Public notification to the Division and consumers of a water system is required whenever a
13 violation of the Total Coliform MCL occurs. Notification to the Division is required by the end of
14 the business day on which the violation has been determined. If the Division is closed, notification
15 shall be within 24 hours of the determination. The Division was not notified in accordance with the
16 above-referenced section (Section 64426.1).

17
18 Public notification to the consumers of the water systems has not been conducted. Attachment C
19 is a copy of a public notice in that the City may use to notify its customers. This notice fulfills the
20 total coliform MCL notification requirements and includes the mandatory language. Proof of
21 notification is required (Attachment E).

22 23 DETERMINATION

24
25 Title 22, CCR, Section 64426.1, Total Coliform Maximum Contaminant Level (MCL) provides that
26 a public water system that collects at least 40 samples per month has failed to comply with the

1 regulation whenever more than 5.0 percent of the samples collected during any month are total
2 coliform-positive.

3
4 The Division has determined that the City failed to comply with Title 22, CCR, Section 64426.1,
5 Total Coliform MCL for the month of August 2014 due to the presence of total coliform bacteria in
6 6.1 %, three (3) of forty nine (49) samples, collected in August 2014.

7
8 The Division has also determined that the City failed to comply with Title 22, CCR, Section
9 64426.1(c) which requires a public water system to notify the Division and the consumers of the
10 water system, when a violation of Section 64426.1(b)(1) through (4), the total coliform MCL
11 occurs. Notification to the Division is required by the end of the business day on which the
12 violation has been determined. If the Division is closed, notification shall be within 24 hours of the
13 determination. The Division was notified via a mailed monthly report on September 8, 2014.

14
15 Title 22, CCR, Section 64430, Addendum A 141.402 (2), requires a ground water system to
16 collect, within 24 hours of notification of the total coliform-positive sample, at least one ground
17 water source sample from each ground water source in use at the time the total coliform-positive
18 sample was collected under 22 California Code of Regulations sections 64422 and 64423, except
19 as provided in paragraph (a)(2)(ii) of this section.

20
21 The Division has determined that the Water System failed to comply with Title 22, CCR, Section
22 64430, Addendum A 141.402 (2), California Ground Water Rule for the month of August 2014 due
23 not collecting the raw water samples within 24 hours of notification of a routine sample positive for
24 total coliform bacteria.

DIRECTIVES

The City is hereby directed to take the following actions:

1. Comply with Title 22, CCR, Section 64426.1, in all future monitoring periods.
2. On or before November 30, 2014, notify all persons served by the City of the TCR MCL violation by utilizing the Tier 2 Public Notice for violations of Section 64426.1. Public notice shall be given pursuant to Sections 64463.4 [lists method, time-frame and delivery] and 64465 [content & format]. The City shall use the public notification template included as Attachment C to fulfill the public notification requirements. Section 64463.4 allows community water systems to use mail or direct delivery to each customer and the use of one or more of the following methods: publication in a daily or weekly newspaper, posting the public notice in a conspicuous public place within the water system or on the internet, or by delivery to community organizations.
3. By November 30, 2014, the City shall provide to the Division certification of public notification using the enclosed Proof of Notification form (Attachment D). A copy of the final notice that was distributed/posted shall also be submitted to the Division with the proof of notification form.
4. The City 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.
5. The California Groundwater Rule (GWR) requires the collection of a sample for bacteriological evaluation from the well(s) serving the system in response to a coliform-

1 positive distribution sample within 24 hours of being notified of the coliform-positive result.
2 Based on data submitted to the Division, the City did not collect their raw water well samples
3 in a timely manner in follow-up to the total coliform-positive routine samples collected on
4 August 20, 2014. The City is directed to comply with Title 22, CCR, Section 64430,
5 Addendum A 141.402 (2), in all future monitoring periods.
6

- 7 12. By November 30, 2014, the City shall complete and submit the enclosed "Positive Total
8 Coliform Investigation" form to the Division that describes the incident and all corrective
9 actions taken, and the results of the investigation. The appropriate investigation report is
10 provided as Attachment E.
11

12 The Division reserves the right to make such modifications to the Citation as it may deem
13 necessary to protect public health and safety. Such modifications may be issued as amendments
14 to this Citation and shall be effective upon issuance.
15

16 Nothing in this Citation relieves the City of Los Banos of its obligation to meet the requirements of
17 the California Safe Drinking Water Act or any regulation, standard, permit or order issued
18 thereunder.
19

20 All submittal required by this Citation shall be submitted to the Division at the following address:
21

22 Kassy D. Chauhan, P.E.
23 Senior Sanitary Engineer
24 State Water Resources Control Board
25 Division of Drinking Water
26 265 W. Bullard Avenue, Suite 101
27 Fresno, CA 93704

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PARTIES BOUND

This Citation shall apply to and be binding upon the City of Los Banos, its officers, directors, agents, employees, contractors, successors, and assignees.

SEVERABILITY

The Directives of this Citation are severable, and the City of Los Banos shall comply with each and every provision thereof notwithstanding the effectiveness of any provision.

FURTHER ENFORCEMENT ACTION

The California SDWA authorizes the Board 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 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 Board 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 Board; and to petition the superior court to take various enforcement measures against a public water system that has failed to comply with an order of the Board. The Board does not waive any further enforcement action by issuance of this citation.

10/27/14

Kassy D. Chauhan

Date

Kassy D. Chauhan, P.E.
Senior Sanitary Engineer, Merced District
DRINKING WATER FIELD OPERATIONS BRANCH

KDC/MLM

Attachments:

- Attachment A: Applicable Authorities
- Attachment B: Summary of Bacteriological Samples from August 2014
- Attachment C: Public Notice for August 2014
- Attachment D: Proof of Notification Form
- Attachment E: Positive Total Coliform Investigation report



Applicable Statues and Regulations for Citation No. 03-12-14C-015

Section 116650 of the CHSC states in relevant part:

§116650. Citations

- (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.

Section 64426.1 of Title 22, California Code of Regulations (CCR) states 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 Department 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; or
 - (3) Any repeat sample is fecal coliform-positive or E. coli-positive; or
 - (4) Any repeat sample following a fecal coliform-positive or E. coli-positive routine sample is total coliform-positive.
- (c) If a public water system is not in compliance with paragraphs (b)(1) through (4), during any month in which it supplies water to the public, the water supplier shall notify the Department by the end of the business day on which this is determined, unless the determination occurs after the Department office is closed, in which case the supplier shall notify the Department within 24 hours of the determination. The water supplier

shall also notify the consumers served by the water system. A Tier 2 Public Notice shall be given for violations of paragraphs (b)(1) or (2), pursuant to section 64463.4. A Tier 1 Public Notice shall be given for violations of paragraphs (b)(3) or (4), pursuant to section 64463.1.

Section 64463.4 of Title 22, California Code of Regulations (CCR) states in relevant part:
§64463.4. Tier 2 Public Notice.

(a) A water system shall give public notice pursuant to this section if any of the following occurs:

- (1) Any violation of the MCL, MRDL, and treatment technique requirements, except:
 - (A) Where a Tier 1 public notice is required under section 64463.1; or
 - (B) Where the Department determines that a Tier 1 public notice is required, based on potential health impacts and persistence of the violations;
- (2) All violations of the monitoring and testing procedure requirements in sections 64421 through 64426.1, article 3 (Primary Standards – Bacteriological Quality), for which the Department determines that a Tier 2 rather than a Tier 3 public notice is required, based on potential health impacts and persistence of the violations;

.....

(b) A water system shall give the notice as soon as possible within 30 days after it learns of a violation or occurrence specified in subsection (a), except that the water system may request an extension of up to 60 days for providing the notice. This extension would be subject to the Department's written approval based on the violation or occurrence having been resolved and the Department's determination that public health and welfare would in no way be adversely affected. In addition, the water system shall:

- (1) Maintain posted notices in place for as long as the violation or occurrence continues, but in no case less than seven days;
- (2) Repeat the notice every three months as long as the violation or occurrence continues. Subject to the Department's written approval based on its determination that public health would in no way be adversely affected, the water system may be allowed to notice less frequently but in no case less than once per year. No allowance for reduced frequency of notice shall be given in the case of a total coliform MCL violation or violation of a Chapter 17 treatment technique requirement; and

.....

(c) A water system shall deliver the notice, in a manner designed to reach persons served, within the required time period as follows:

- (1) Unless otherwise directed by the Department in writing based on its assessment of the violation or occurrence and the potential for adverse effects on public health and welfare, community water systems shall give public notice by:
 - (A) Mail or direct delivery to each customer receiving a bill including those that provide their drinking water to others (e.g., schools or school systems, apartment building owners, or large private employers), and other service connections to which water is delivered by the water system; and
 - (B) Use of one or more of the following methods to reach persons not likely to be reached by a mailing or direct delivery (renters, university students, nursing home patients, prison inmates, etc.):
 1. Publication in a local newspaper;

2. Posting in conspicuous public places served by the water system, or on the Internet; or
 3. Delivery to community organizations.
- (2) Unless otherwise directed by the Department in writing based on its assessment of the violation or occurrence and the potential for adverse effects on public health and welfare, noncommunity water systems shall give the public notice by:
- (A) Posting in conspicuous locations throughout the area served by the water system; and
 - (B) Using one or more of the following methods to reach persons not likely to be reached by a public posting:
 1. Publication in a local newspaper or newsletter distributed to customers;
 2. E-mail message to employees or students;
 3. Posting on the Internet or intranet; or
 4. Direct delivery to each customer.

Ground Water Rule

Section 64430. of Title 22, California Code of Regulations (CCR) states in relevant part:

§64430. Requirements.

A public water system that uses ground water shall comply with the following provisions of 40 Code of Federal Regulations as they appear in the Ground Water Rule published in 71 Federal Register 65574 (November 8, 2006) and amended in 71 Federal Register 67427 (November 21, 2006) and 74 Federal Register 30953 (June 29, 2009), which are hereby incorporated by reference: Sections 141.21(d)(3), 141.28(a), 141.153(h)(6), Appendix A to Subpart O (Consumer Confidence Reports), 141.202(a)(8), 141.203(a)(4), Appendices A and B to Subpart Q (Public Notification), and 141.400 through 141.405, except that in:

- (a) sections 141.402(a)(1)(ii), (a)(2), (a)(2)(ii), (a)(4), (a)(4)(ii)(A), (a)(5)(i), and (a)(5)(ii), the phrase —§141.21(a) is replaced by —22 California Code of Regulations sections 64422 and 64423, and
- (b) sections 141.402(a)(1)(ii) and 141.405(b)(4), the phrase —§141.21(c) is replaced by —22 California Code of Regulations section 64425, and
- (c) section 141.402(a)(2)(iii), the phrase —§141.21(b) is replaced by —22 California Code of Regulations section 64424.

[Note: The text reflecting this section is provided in Addendum A of this book.]

Addendum A

§141.402. Ground water source microbial monitoring and analytical methods.

(a) Triggered source water monitoring —

- (1) *General requirements.* A ground water system must conduct triggered source water monitoring if the conditions identified in paragraphs (a)(1)(i) and (a)(1)(ii) of this section exist.
 - (i) The system does not provide at least 4-log treatment of viruses (using inactivation, removal, or a State-approved combination of 4-log virus inactivation and removal) before or at the first customer for each ground water source; and
 - (ii) The system is notified that a sample collected under 22 California Code of Regulations sections 64422 and 64423 is total coliform-positive and the sample is not invalidated under 22 California Code of Regulations section 64425.
- (2) *Sampling requirements.* A ground water system must collect, within 24 hours of notification of the total coliform-positive sample, at least one ground water source sample from each ground water source in use at the time the total coliform-positive sample was collected under 22 California Code of Regulations

sections 64422 and 64423, except as provided in paragraph (a)(2)(ii) of this section.

(i) The State may extend the 24-hour time limit on a case-by-case basis if the system cannot collect the ground water source water sample within 24 hours due to circumstances beyond its control. In the case of an extension, the State must specify how much time the system has to collect the sample.

(ii) If approved by the State, systems with more than one ground water source may meet the requirements of this paragraph (a)(2) by sampling a representative ground water source or sources. If directed by the State, systems must submit for State approval a triggered source water monitoring plan that identifies one or more ground water sources that are representative of each monitoring site in the system's sample siting plan under 22 California Code of Regulations sections 64422 and 64423 and that the system intends to use for representative sampling under this paragraph.

(iii) A ground water system serving 1,000 people or fewer may use a repeat sample collected from a ground water source to meet both the requirements of 22 California Code of Regulations section 64424 and to satisfy the monitoring requirements of paragraph (a)(2) of this section for that ground water source only if the State approves the use of *E. coli* as a fecal indicator for source water monitoring under this paragraph (a). If the repeat sample collected from the ground water source is *E. coli* positive, the system must comply with paragraph (a)(3) of this section.

(3) *Additional requirements.* If the State does not require corrective action under §141.403(a)(2) for a fecal indicator-positive source water sample collected under paragraph (a)(2) of this section that is not invalidated under paragraph (d) of this section, the system must collect five additional source water samples from the same source within 24 hours of being notified of the fecal indicator-positive sample.

(4) *Consecutive and wholesale systems* —

(i) In addition to the other requirements of this paragraph (a), a consecutive ground water system that has a total coliform-positive sample collected under 22 California Code of Regulations sections 64422 and 64423 must notify the wholesale system(s) within 24 hours of being notified of the total coliform-positive sample.

(ii) In addition to the other requirements of this paragraph (a), a wholesale ground water system must comply with paragraphs (a)(4)(ii)(A) and (a)(4)(ii)(B) of this section.

(A) A wholesale ground water system that receives notice from a consecutive system it serves that a sample collected under 22 California Code of Regulations sections 64422 and 64423 is total coliform-positive must, within 24 hours of being notified, collect a sample from its ground water source(s) under paragraph (a)(2) of this section and analyze it for a fecal indicator under paragraph (c) of this section.

(B) If the sample collected under paragraph (a)(4)(ii)(A) of this section is fecal indicator-positive, the wholesale ground water system must notify all consecutive systems served by that ground water source of the fecal indicator source water positive within 24 hours of being notified of the ground water source sample monitoring result and must meet the requirements of paragraph (a)(3) of this section.

(5) *Exceptions to the triggered source water monitoring requirements.* A ground water system is not required to comply with the source water monitoring

requirements of paragraph (a) of this section if either of the following conditions exists:

- (i) The State determines, and documents in writing, that the total coliform-positive sample collected under 22 California Code of Regulations sections 64422 and 64423 is caused by a distribution system deficiency; or
- (ii) The total coliform-positive sample collected under 22 California Code of Regulations sections 64422 and 64423 is collected at a location that meets State criteria for distribution system conditions that will cause total coliform-positive samples.

Bacteriological Distribution Monitoring Report

2410005 Los Banos, City of
Distribution System Freq: 10/W

Sample Date	Location	T Coli	E Coli	F Coli	HPC	Type	CI2	Violation	Comment
8/1/2014	36 Samples	<1.1	<1.1			Routine	0.2-0.6		
8/20/2014	SS #2 745 Texas Ave	6.9	<1.1			Routine	0.3	MCL	DDW not notified, sources were sampled in 8/6/2014
8/20/2014	SS #7 411 Madison Ave	5.1	<1.1			Routine	0.5		
8/20/2014	SS #9 363 L Street	5.1	<1.1			Routine	0.3		
8/25/2014	1130 4th St.	<1.1	<1.1			Repeat	0.5		
8/25/2014	1236 4th St.	<1.1	<1.1			Repeat	0.5		
8/25/2014	363 L Street	<1.1	<1.1			Repeat	0.5		
8/25/2014	410 Madison	<1.1	<1.1			Repeat	0.5		
8/25/2014	411 Madison	<1.1	<1.1			Repeat	0.5		
8/25/2014	716 Texas	<1.1	<1.1			Repeat	0.5		
8/25/2014	745 Texas	<1.1	<1.1			Repeat	0.5		
8/25/2014	757 Texas	<1.1	<1.1			Repeat	0.5		
8/25/2014	Madison Waterworks	<1.1	<1.1			Repeat	0.5		

Violation Key

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

Los Banos, City of

2410005

Source Monitoring Freq: 1/M

<i>Sample Date</i>	<i>Time</i>	<i>Source</i>	<i>T Coli</i>	<i>E Coli</i>	<i>F Coli</i>	<i>HPC</i>	<i>Turbidity</i>	<i>Violation</i>	<i>Comment</i>
8/6/2014		Wells: 1, 2, 3, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15	<1.1						

Instructions for Tier 2 Resolved Total Coliform Notice Template

Template Attached

Since exceeding the total coliform bacteria maximum contaminant level is a Tier 2 violation, you must provide public notice to persons served as soon as practical but within 30 days after you learn of the violation [California Code of Regulations, Title 22, Chapter 15, Section 64463.4(b)]. **Each water system required to give public notice must submit the notice to the State Water Resources Control Board, Division of Drinking Water (DDW) for approval prior to distribution or posting, unless otherwise directed by the DDW [64463(b)].**

Notification Methods

You must use the methods summarized in the table below to deliver the notice to consumers. If you mail, post, or hand deliver, print your notice on letterhead, if available.

<i>If You Are a ...</i>	<i>You Must Notify Consumers by...</i>	<i>...and By One or More of the Following Methods to Reach Persons Not Likely to be Reached by the Previous Method...</i>
Community Water System [64463.4(c)(1)]	Mail or direct delivery ^(a)	Publication in a local newspaper
		Posting ^(b) in conspicuous public places served by the water system or on the Internet
		Delivery to community organizations
Non-Community Water System [64463.4(c)(2)]	Posting in conspicuous locations throughout the area served by the water system ^(b)	Publication in a local newspaper or newsletter distributed to customers
		Email message to employees or students
		Posting ^(b) on the Internet or intranet
		Direct delivery to each customer

(a) Notice must be distributed to each customer receiving a bill including those that provide their drinking water to others (e.g., schools or school systems, apartment building owners, or large private employers), and other service connections to which water is delivered by the water system.

(b) Notice must be posted in place for as long as the violation or occurrence continues, but in no case less than seven days.

The notice attached is appropriate for the methods described above. However, you may wish to modify it before using it for posting. If you do, you must still include all the required elements and leave the health effects and notification language in italics unchanged. This language is mandatory [64465].

Multilingual Requirement

The notice must (1) be provided in English, Spanish, and the language spoken by any non-English-speaking group exceeding 10 percent of the persons served by the water

system and (2) include a telephone number or address where such individuals may contact the water system for assistance.

If any non-English-speaking group exceeds 1,000 persons served by the water system but does not exceed 10 percent served, the notice must (1) include information in the appropriate language(s) regarding the importance of the notice and (2) contain the telephone number or address where such individuals may contact the water system to obtain a translated copy of the notice from the water system or assistance in the appropriate language.

Population Served

Make sure it is clear who is served by your water system -- you may need to list the areas you serve.

Description of the Violation

Make sure that the notice is clear about the fact that the coliform problem has been resolved, and there is no current cause for concern. The description of the violation and the MCL vary depending on the number of samples you take. The following table should help you complete the second paragraph of the template.

<u>If You Take Fewer Than 40 Samples a Month</u>	<u>If You Take 40 or More Samples a Month</u>
State the number of samples testing positive for coliform. The standard is that no more than one sample per month may be positive.	State the percentage of samples testing positive for coliform. The standard is that no more than 5.0 percent of samples may test positive each month.

Corrective Action

In your notice, describe corrective actions you have taken. Listed below are some steps commonly taken by water systems with total coliform violations. Use one or more of the following actions, if appropriate, or develop your own:

- “We have increased sampling for coliform bacteria to catch the problem early if it recurs.”
- “The well and/or distribution system has been disinfected and additional samples do not show presence of coliform bacteria.”

After Issuing the Notice

Send a copy of each type of notice and a certification that you have met all the public notice requirements to the DDW within ten days after you issue the notice [64469(d)].

It is recommended that you notify health professionals in the area of the violation. People may call their doctors with questions about how the violation may affect their health, and the doctors should have the information they need to respond appropriately.

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.

City of Los Banos Has Levels of Coliform Bacteria Above the Drinking Water Standard

Our water system recently violated a drinking water standard. Although this is not an emergency, as our customers, 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 forty nine (49) samples to test for the presence of coliform bacteria during August 2014. Three (3) of forty nine (49), 6.1 %, showed the presence of total coliform bacteria. The standard is that no more than 5.0 percent of samples may do so.

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 system's 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, and further testing shows that this problem has been resolved.**
- 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 U.S. 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 was done?

[Describe corrective action].

For more information, please contact [name of contact] at [phone number] or [mailing address].

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 City of Los Banos.

State Water System ID#: 2410005. Date distributed: _____.

Certification of Completion of Public Notification

This form, when completed and returned to the Division of Drinking Water - Merced District (265 W. Bullard Ave. #101, Fresno, CA 93704 or fax to 559-447-3304), serves as certification that public notification to water users was completed as required by Title 22, California Code of Regulations, Sections 64426.1 and Section 64430, Addendum A 141.402 (2).

Public Water System Name: _____

Public Water System No.: _____

Public notification for **failure to comply with the Total Coliform Rule for August 2014** was performed by the following method(s) (check and complete those that apply):

The notice was mailed to users on: _____
A copy of the notice is attached.

The notice was hand delivered to water customers on: _____
A copy of the notice is attached.

The notice was published in the local newspaper on: _____
A copy of the newspaper notice is attached.

The notice was published in conspicuous places on: _____
A copy of the notice is attached.
A list of locations the notice was posted is attached.

The notice was delivered to community organizations on: _____
A copy of the notice is attached.
A list of community organizations the notice was delivered to is attached.

I hereby certify that the above information is factual.

Printed Name

Title

Signature

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 each day that the 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 to the Division of Drinking Water within 10 days of issuance of notice to customers
System Number: 2410005
Enforcement Action No. 03-11-14C-015

POSITIVE TOTAL COLIFORM INVESTIGATION

This form is intended to assist public water systems in completing the investigation required by the State Water Resource Control Board (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:	PWSID NUMBER:
Name	Address
Telephone #	
Operator in Responsible Charge (ORC)	
Person that collected TC samples if different than ORC	
Owner	
Certified Laboratory for Microbiological Analyses	
Date Investigation Completed:	
Month(s) of Total Coliform MCL Failure:	

INVESTIGATION DETAILS

SOURCE	WELL (name)	WELL (name)	WELL (name)	WELL (name)	COMMENTS
	WELL (name)	WELL (name)	WELL (name)	WELL (name)	
1. Inspect each well head for physical defects and report					
a. Is raw water sample tap upstream from point of disinfection?					
b. Is wellhead vent pipe screened?					
c. Is wellhead seal watertight?					
d. Is well head located in pit or is any piping from the wellhead submerged?					
e. Does the ground surface slope towards well head?					
f. Is there evidence of standing water near the wellhead?					
g. Are there any connections to the raw water piping that could be cross-connections? (describe all connections in comments)					
h. Is the wellhead secured to prevent unauthorized access?					
i. To what treatment plant (name) does this well pump?					
j. How often do you take a raw water total coliform (TC) test?					
k. Provide the date and result of the last TC test at this location					

TREATMENT

	PLANT (NAME)	PLANT (NAME)	PLANT (NAME)	PLANT (NAME)	COMMENTS
	PLANT (NAME)	PLANT (NAME)	PLANT (NAME)	PLANT (NAME)	
1. If you provide continuous chlorination treatment, was there any equipment failure? Did the distribution system maintain a chlorine residual?					
a. Was emergency chlorination initiated?					
b. If yes, for how long?					

POSITIVE TOTAL COLIFORM INVESTIGATION

TREATMENT	PLANT (NAME)	COMMENTS				
2. Did the distribution system lose chlorine residual?						
3. If you do not provide routine chlorination, was emergency chlorination initiated? If Yes, when?						
4. Inspect each point where disinfectant is added and report						
a. For hypochlorinator systems						
1. Is the disinfectant feed pump feeding disinfectant?						
2. What is the feed rate of disinfectant in ml/minute						
3. What is the concentration of the disinfectant solution being fed? (percent, or mg/l of chlorine as HOCl)						
4. By what method was the concentration of solution determined? (ex: measured, manufacturer's literature)						
5. What is the age (days) of the disinfectant solution currently being used at this treatment location?						
6. What is the raw water flow rate at the point where disinfectant is added in gallons per minute?						
7. What is the total chlorine residual measured immediately downstream from the point of application?						
8. What is the free chlorine residual measured immediately downstream from the point of application?						
9. What is the contact time in minutes from the point of disinfectant application to the first customer?						

STORAGE	TANK (name)	COMMENTS				
1. Is each tank locked to prevent unauthorized access?						
2. Are all vents of each tank screened down-turned to prevent dust and dirt from entering the tank?						
3. Is the overflow on each tank screened?						
4. Are there any unsealed openings in the tank such as access doors, water level indicators hatches, etc.?						
5. Is the roof/cover of the tank sealed and free of any leaks?						
6. Is the tank above ground or buried?						
a. If buried or partially buried, are there provisions to direct surface water away from the site.						
b. Has the interior of the tank been inspected to identify any sanitary defects, such as root intrusion?						
8. Does the tank "float" on the distribution system or are there separate inlet and outlet						

POSITIVE TOTAL COLIFORM INVESTIGATION

STORAGE	TANK (name)	TANK (name)	TANK (name)	TANK (name)	TANK (name)	COMMENTS
lines?						
9. What is the measured chlorine residual (total/free) of the water exiting the storage tank today ?						
10. What is the volume of the storage tank in gallons?						
11. Is the tank baffled?						
12. Prior to the TC+ or EC+, what was the previous date item #1-7 were checked and documented?						

DISTRIBUTION SYSTEM	SYSTEM RESPONSES
1. What is the minimum pressure you are maintaining in the distribution system?	
2. Did pressure in the distribution system drop to less than 5 psi prior to experiencing the TCR positive finding.	
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.	
4. Are there any signs of excavations near your distribution system not under the direct control of your maintenance staff?	
5. Did you inspect your distribution system to check for mainline leaks? Do you or did you have a mainline leak?	
6. If there was a mainline leak, when was it repaired?	
7. On what date was the distribution system last flushed?	
8. Is there a written flushing procedure you can provide for our review?	
9. Do you have an active cross connection control program?	
10. What is name and phone number of your Cross-Connection Control Program Coordinator?	
11. Is the review and testing of backflow prevention devices current?	
12. On what date was the last physical survey of the system done to identify cross-connections?	

BOOSTER STATION	SYSTEM RESPONSES
1. Do you have a booster pump? How many?	
2. Do you have a standby booster pump if the main pump fails?	
3. Prior to bacteriological quality problems, did your booster pump fail?	
4. Do you notice standing water, leakage at the booster station?	

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)
1. What is the height of the sample tap above grade? (inches)				
2. Is the sample tap located in an exterior location or is it protected by an enclosure ?				
3. Is the sample tap threaded, have a swing arm (kitchen sink) or aerator (sinks)?				
4. Is the sample tap in good condition, free of leaks around the stem or packing?				
5. Can the sample tap be adjusted to the point where a good laminar flow can be achieved without excessive splash?				
6. Is the sample tap and area around the sample tap clean and dry (free of animal droppings, other contaminants or spray irrigation systems)				
7. Is the area around the sample tap free of excessive vegetation or other impediments to sample collection				
8. Describe how the tap was treated in preparation for sample collection (ran water, swabbed with disinfectant, flamed, etc.)				
9. Is this sample tap designated on the sampling plan submitted with this information request?				
10. What were the weather conditions at the time of the positive sample (rainy, windy, 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?	
2. Where there any main breaks, water outages, or low pressure reported in the service area where TC+ or EC+ samples were located.	
3. Does the system have backup power or elevated storage?	
4. During or soon after bacteriological quality problems, did you receive any complaints of any customers' illness suspected of being waterborne? How many?	
5. What were the symptoms of illness if you received complaints about customers being sick?	

POSITIVE TOTAL COLIFORM INVESTIGATION

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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 Department
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?

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

NAME: _____ TITLE: _____ DATE: _____