



EDMUND G. BROWN JR.
GOVERNOR



MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board
Division of Drinking Water

June 1, 2015
System No.: 5400919

Ms. Carole Mederos, Superintendent
Buena Vista School
21660 Road 60
Tulare, CA 93274

RE: Citation No. 03-24-15C-024
Violation of Title 22, California Code of Regulations, Section 64426,
For April 2015

Dear Ms. Mederos:

Enclosed is a Citation issued to the Buena Vista School (Water System) public water system.

The Water System will be billed at the Division's hourly rate (currently estimated at \$128.00) for the time spent on issuing this Citation. The California Health and Safety Code Section 116577 provides that a public water system must reimburse the Division for actual costs incurred by the Division for specific enforcement actions, including but not limited to, preparing, issuing and monitoring compliance with a citation. At this time, the Division has spent approximately one hour on enforcement activities associated with this violation.

The Water System will receive a bill sent from the Division of Drinking Water Fee Billing Unit in August of the next fiscal year. This bill will contain fees for any enforcement time spent on Buena Vista School for the current fiscal year.

If you have any questions regarding this letter and the enclosed citation, please contact the Tulare District office at (559) 447-3300.

Sincerely,

Chad Fischer, P.E.
Senior Sanitary Engineer, Tulare District
SOUTHERN CALIFORNIA BRANCH
DRINKING WATER FIELD OPERATIONS

CJF/MRC

cc: Tulare County Environmental Health Department

STATE OF CALIFORNIA
WATER RESOURCES CONTROL BOARD
DIVISION OF DRINKING WATER

IN RE: **BUENA VISTA SCHOOL**
Water System No. 5400919

TO: Ms. Carole Mederos, Superintendent
Buena Vista School
21660 Road 60
Tulare, CA 93274

CC: Tulare County Environmental Health Services Department

CITATION FOR VIOLATION OF
CALIFORNIA CODE OF REGULATIONS, TITLE 22, SECTION 64426
April 2015

Issued on June 1, 2015

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 Buena Vista School (hereinafter "Water System") (21660 Road 60, Tulare, CA 93274) for violation of California Code of Regulations (CCR), Title 22, Section 64426.

1 APPLICABLE AUTHORITIES

2 The applicable statutes and regulations are provided in Appendix A, attached hereto and
3 incorporated by reference.
4

5 STATEMENT OF FACTS

6 The Water System is a nontransient noncommunity water system serving a population of
7 approximately 365 persons through 4 service connections.
8

9 The Water System is required to collect a minimum of one distribution system bacteriological
10 sample per month. The bacteriological water analysis results submitted by the Water System
11 reported the presence of total coliform bacteria in 10 of 14 samples collected by the Water
12 System in April and May 2015. None of the positive samples showed the presence of fecal
13 coliform or *E. coli* bacteria.
14

15 Upon being informed of the presence of total coliform bacteria in the routine sample collected on
16 April 27, 2015, Water System staff collected a total of four repeat samples on April 29, 2015. All
17 of the repeat samples showed the presence of total coliform bacteria. None of the samples
18 were positive for *E.coli* bacteria. A second set of four repeat samples was collected on May 4,
19 2015. All of the repeat samples showed the presence of total coliform bacteria. None of the
20 samples were positive for *E.coli* bacteria. A third set of four repeat samples was collected on
21 May 12, 2015. All of the repeat samples were negative for coliform bacteria. All distribution
22 water samples for coliform bacteria collected during April and May 2015 are summarized in
23 Attachment A.
24

25 The cause of the contamination is believed to be from the Water System's well. A source
26 sample collected on April 29, 2015, was positive for total coliform bacteria. The sample was
27 negative for *E.coli* bacteria. A second source sample was collected on May 4, 2015 and

1 showed the presence of total coliform bacteria at 78.2 MPN/100 mL. The sample was negative
2 for *E.coli* bacteria. The Water System chlorinated the well and distribution system on May 8,
3 2015 and conducted flushing on May 11, 2015. A third source sample was collected on May 12,
4 2015 and was negative for coliform bacteria.

5
6 Public notification to the Division and consumers of a water system is required whenever a
7 violation of the Total Coliform MCL occurs. Notification to the Division is required by the end of
8 the business day on which the violation has been determined. If the Division is closed,
9 notification shall be within 24 hours of the determination. The Division was notified on May 8,
10 2015.

11
12 Public notification to the consumers of the water systems was conducted on May 8, 2015. A
13 copy of the public notice and proof of notification were submitted to the Division on May 12,
14 2015.

15
16 **DETERMINATION**

17 Title 22, CCR, Section 64426.1, Total Coliform Maximum Contaminant Level (MCL) provides
18 that a public water system that collects fewer than 40 bacteriological samples per month has
19 violated the regulation if more than one sample collected during any month is total coliform
20 positive.

21
22 The Division has determined that the Water System failed to comply with Title 22, CCR, Section
23 64426.1, Total Coliform MCL for the month of April 2015 due to the presence of total coliform
24 bacteria in 10 of 14 samples collected in April and May 2015.

25
26 The Division has also determined that the Water System failed to comply with Title 22, CCR,
27 Section 64426.1(c) which requires a public water system to notify the Division and the

1 consumers of the water system, when a violation of the total coliform MCL occurs. Notification
2 to the Division is required by the end of the business day on which the violation has been
3 determined. If the Division is closed, notification shall be within 24 hours of the determination.
4

5 DIRECTIVES

6 The Water System is hereby directed to take the following actions:
7

- 8 1. Comply with Title 22, CCR, Section 64426.1, in all future monitoring periods.
9
- 10 2. By **June 15, 2015**, the Water System shall complete and submit the enclosed "Positive Total
11 Coliform Investigation" form to the Division that describes the incident and all corrective
12 actions taken, and the results of the investigation. The appropriate investigation report is
13 provided as Attachment B.
14
- 15 3. The Water System shall notify the Division of any further violations of the total coliform MCL
16 by the end of the business day on which the violation has been determined, or, if the
17 Division is closed, within 24 hours of the determination.
18
- 19 4. By **July 30, 2015**, continuous chlorination equipment shall be installed on the discharge of
20 all wells. A measurable chlorine residual shall be maintained in all areas of the distribution
21 system at all times. Information regarding the permanent chlorination equipment and
22 installation procedures shall be submitted to the Division for review and approval prior to
23 installation. The installation shall be conducted by a person qualified and experienced with
24 chlorination equipment. By **June 15, 2015**, the Water System shall make application to the
25 Division for a permit amendment to allow continuous chlorination of the water supply. Form
26 EH 100 (copy enclosed) shall be used to make application. A permit fee of \$258 shall be
27 included at the time the application is submitted to the Division.

- 1
- 2 5. The Water System shall have on staff or under contract a minimum of a D1 Certified
- 3 Distribution Operator to operate the chlorination equipment. Documentation of the
- 4 certification of the operator shall be provided to the Division by July 30, 2015. The operator
- 5 shall visit the well site and review the chlorination treatment on at least a weekly basis and
- 6 document the date and time of the visit, the settings on the chemical feed equipment, the
- 7 chlorine stock on hand and the chlorine residual at the well site and in the farthest part of the
- 8 distribution system. Documentation of the site visits shall be submitted to the Division by the
- 9 10th day of the following month.
- 10
- 11 6. The chlorine residual shall be measured at the time and location of the collection of the
- 12 monthly distribution system bacteriological samples. This residual shall be provided to the
- 13 Division on the laboratory analysis report.
- 14
- 15 7. The Water System shall initiate monthly sampling of the raw well water for coliform bacteria.
- 16 The sample must be collected at a location ahead of chlorination and shall be analyzed for
- 17 total and fecal coliform or *E. coli* bacteria using a density analytical method with the
- 18 analytical results reported in MPN/100 ml. The results of all samples shall be submitted to
- 19 the Division by the 10th day of the following month.
- 20
- 21 8. The Water System shall initiate distribution sampling for **TTHM and HAA5** on an **annually**
- 22 **starting August 2015**. The sample(s) must be collected during the month of warmest water
- 23 temperature (July, August or September) from a location representing the maximum
- 24 residence time in the distribution system. If the annual sample(s) exceeds the MCL, the
- 25 monitoring frequency will be increased to 1 sample per quarter. The Water System must
- 26 notify the Division if an exceedance of the TTHM, HAA5 MCLs or Chlorine Disinfectant
- 27

1 MRDL (maximum residual disinfectant level) of 4.0 mg/L occurs. These levels are listed
2 below.

3

<u>Contaminant</u>	<u>MCL</u>
Total Trihalomethane (TTHM)	0.080 mg/L
Haloacetic Acids (HAA5)	0.060 mg/L
	<u>MRDL</u>
Chlorine	4.0 mg/L as Cl ₂

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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
14 amendments to this Citation and shall be effective upon issuance.

15
16 Nothing in this Citation relieves the Water System 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 Chad Fischer, 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

1 PARTIES BOUND

2 This Citation shall apply to and be binding upon the Buena Vista School, its officers, directors,
3 agents, employees, contractors, successors, and assignees.

4
5 SEVERABILITY

6 The Directives of this Citation are severable, and the Water System shall comply with each and
7 every provision thereof notwithstanding the effectiveness of any provision.

8
9 FURTHER ENFORCEMENT ACTION

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

20
21 6/1/15

22 _____
23 Date

20
21 

22 _____
23 Chad Fischer, P.E.
24 Senior Sanitary Engineer, Tulare District
25 DRINKING WATER FIELD OPERATIONS BRANCH

25 **CJF/MRC**
26 **Attachments:**
27 Attachment A:
& May 2015

Summary of Distribution Bacteriological Samples from April

Attachment B: Positive Total Coliform Investigation report
Attachment C: Permit Application Form

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APPENDIX A

Applicable Statutes and Regulations for Citation No. 03-24-15C-024

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 64424 of Title 22, California Code of Regulations (CCR) states in relevant part:

§64424. Repeat Sampling.

- (a) If a routine sample is total coliform-positive, the water supplier shall collect a repeat sample set as described in paragraph (a)(1) within 24 hours of being notified of the positive result. The repeat samples shall all be collected within the same 24 hour time period. A single service connection system may request that the Division allow the collection of the repeat sample set over a four-day period.
 - (1) For a water supplier that normally collects more than one routine sample a month, a repeat sample set shall be at least three samples for each total coliform-positive sample. For a water supplier that normally collects one or fewer samples per month, a repeat sample set shall be at least four samples for each total coliform-positive sample.
 - (2) If the water supplier is unable to collect the samples within the 24-hour time period specified in subsection (a) or deliver the samples to the laboratory within 24 hours after collection because of circumstances beyond its control, the water supplier shall notify the Department within 24 hours. The Department will then determine how much time the supplier will have to collect the repeat samples.
- (b) When collecting the repeat sample set, the water supplier shall collect at least one repeat sample from the sampling tap where the original total coliform-positive sample was taken. Other repeat samples shall be collected within five service connections upstream or downstream of the original site. At least one sample shall be from upstream and one from downstream unless there is no upstream and/or downstream service connection.
- (c) If one or more samples in the repeat sample set is total coliform-positive, the water supplier shall collect and have analyzed an additional set of repeat samples as

specified in subsections (a) and (b). The supplier shall repeat this process until either no coliforms are detected in one complete repeat sample set or the supplier determines that the MCL for total coliforms specified in §64426.1 has been exceeded and notifies the Department.

- (d) If a public water system for which fewer than five routine samples/month are collected has one or more total coliform-positive samples, the water supplier shall collect at least five routine samples the following month. If the supplier stops supplying water during the month after the total coliform-positive(s), at least five samples shall be collected during the first month the system resumes operation. A water supplier may request the Department waive the requirement to collect at least five routine samples the following month, but a waiver will not be granted solely on the basis that all repeat samples are total coliform-negative. To request a waiver, one of the following conditions shall be met:
 - (1) The Department conducts a site visit before the end of the next month the system provides water to the public to determine whether additional monitoring and/or corrective action is necessary to protect public health.
 - (2) The Department determines why the sample was total coliform-positive and establishes that the system has corrected the problem or will correct the problem before the end of the next month the system serves water to the public. If a waiver is granted, a system shall collect at least one routine sample before the end of the next month it serves water to the public and use it to determine compliance with §64426.1.

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.

Section 64465. of Title 22, California Code of Regulations (CCR) states in relevant part:
 §64465. Public Notice Content and Format.

- (a) Each public notice given pursuant to this article, except Tier 3 public notices for variances and exemptions pursuant to subsection (b), shall contain the following:
 - (1) A description of the violation or occurrence, including the contaminant(s) of concern, and (as applicable) the contaminant level(s);
 - (2) The date(s) of the violation or occurrence;
 - (3) Any potential adverse health effects from the violation or occurrence, including the appropriate standard health effects language from appendices 64465-A through G;
 - (4) The population at risk, including subpopulations particularly vulnerable if exposed to the contaminant in drinking water;
 - (5) Whether alternative water supplies should be used;
 - (6) What actions consumers should take, including when they should seek medical help, if known;
 - (7) What the water system is doing to correct the violation or occurrence;
 - (8) When the water system expects to return to compliance or resolve the occurrence;
 - (9) The name, business address, and phone number of the water system owner, operator, or designee of the water system as a source of additional information concerning the public notice;
 - (10) A statement to encourage the public notice recipient to distribute the public notice to other persons served, using the following standard language: "Please share this information with all the other people who drink this water, especially those who may not have received this public 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"; and
 - (11) For a water system with a monitoring and testing procedure violation, this language shall be included: "We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. During [compliance period dates], we [*did not monitor or test*' or *did not complete all monitoring or testing*'] for [contaminant(s)], and therefore, cannot be sure of the quality of your drinking water during that time."

.....

- (c) Each public notice given pursuant to this article shall contain information in Spanish regarding the importance of the notice, or contain a telephone number or address where Spanish-speaking residents may contact the water system to obtain a translated copy of the public notice or assistance in Spanish. For each non-English speaking group other than Spanish-speaking that exceeds 1,000 residents or 10% of the residents in the community served, whichever is less, the public notice shall:

- (1) Contain information in the appropriate language(s) regarding the importance of the notice, or
 - (2) Contain a telephone number or address where such residents may contact the water system to obtain a translated copy of the notice or assistance in the appropriate language.
- (d) Each public notice given pursuant to this article shall:
- (1) Be displayed such that it catches people's attention when printed or posted and be formatted in such a way that the message in the public notice can be understood at the eighth-grade level;
 - (2) Not contain technical language beyond an eighth-grade level or print smaller than 12 point; and
 - (3) Not contain language that minimizes or contradicts the information being given in the public notice.

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,
- (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,
- (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

5400919 Buena Vista School

Distribution System Freq: 1/M

Sample Date	Location	T Coli	E Coli	F Coli	HPC	Type	Cl2	Cl2 Avg	Viol. Type	GWR Satisfied?	Comments
5/12/2015	Cafeteria	<1.0	<1.0			Repeat					
5/12/2015	Room B-4	<1.0	<1.0			Repeat					
5/12/2015	Breakroom	<1.0	<1.0			Repeat					
5/12/2015	Well 01	<1.0	<1.0			Source Repeat				Yes	
5/4/2015	Cafeteria	P	A			Repeat					
5/4/2015	Room B-4	P	A			Repeat					
5/4/2015	Electrical Room	P	A			Repeat					
5/4/2015	Staff Room	P	A			Repeat					
5/4/2015	Well	78.2	<1.0			Source Repeat					
4/29/2015	Cafeteria	4.2	<1.0			Repeat					
4/29/2015	Room B-4	2	<1.0			Repeat					
4/29/2015	Staff Room	2	<1.0			Repeat					
4/29/2015	Well 01	4.2	<1.0			Source Repeat			MCL		Cit 03-24-15C-024
4/27/2015	Office Sink	P	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

**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 Division of Drinking Water (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	
Operator in Responsible Charge (ORC)		Telephone #	
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
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					

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.

POSITIVE TOTAL COLIFORM INVESTIGATION

DISTRIBUTION SYSTEM	SYSTEM RESPONSES
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?	

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),				

POSITIVE TOTAL COLIFORM INVESTIGATION

Page 3 of 3

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?	

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: _____

STATE OF CALIFORNIA
APPLICATION
FOR
DOMESTIC WATER SUPPLY PERMIT
FROM

Applicant: _____
 (Enter the name of legal owner, person(s) or organization)

Address: _____

System Name: _____

System Number: _____

TO: Division of Drinking Water
 Southern California Branch
 Drinking Water Field Operations
 Tulare District Office
 265 W. Bullard Avenue, Suite 101
 Fresno, California, 93704



Pursuant and subject to the requirements of the California Health and Safety Code, Division 104, Part 12, Chapter 4 (California Safe Drinking Water Act), Article 7, Section 116550, relating to changes requiring an amended permit, application is hereby made to amend an existing water supply permit to:

(Applicant must state specifically what is being applied for: whether to construct new works; make alterations or additions in works or sources; or change or modify treatment.)

I (We) declare under penalty of perjury that the statements on this application and on the accompanying attachments are correct to my (our) knowledge and that I (we) are acting under authority and direction of the responsible legal entity under whose name this application is made.

By: _____

Title: _____

Address: _____

Telephone: _____

Dated: _____

DDW 10/2014