

**CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD  
DIVISION OF DRINKING WATER**

**IN RE: YOSEMITE NATIONAL PARK – VOGELSANG CAMPGROUND**

Water System No.: 2210509

**TO:** Mr. Paul Laymon, Utilities Manager

Yosemite National Park

P.O. Box 700W

El Portal, CA 95318

**Cc:** Mariposa County Environmental Health Department

Jim Allen, Facilities Operations Specialist (same address as above)

**CITATION FOR  
VIOLATION OF THE HEALTH AND SAFETY CODE, SECTION 116650(a), THE PRIMARY  
DRINKING WATER STANDARD FOR SIGNIFICANT RISE IN BACTERIAL COUNT,  
TITLE 22, SECTION 64426; AND THE TOTAL COLIFORM MAXIMUM CONTAMINANT  
LEVEL, TITLE 22, SECTION 64426.1**

**July 2015**

**Issued on December 30, 2015**

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 this citation (hereinafter "Citation"), pursuant to Section 116650 of the California Health and Safety Code (hereinafter "CHSC") to Yosemite National Park – Vogelsang Campground Water System (hereinafter "YNP") and its

1 owner of record for violation of CHSC section 116550(a) and Title 22, California Code of  
2 Regulations (hereinafter "CCR"), Section 64426.

3  
4 **APPLICABLE AUTHORITIES**

5  
6 The applicable statutes and regulations are provided in Attachment A, attached hereto and  
7 incorporated by reference.

8  
9 **STATEMENT OF FACTS**

10 The Yosemite National Park – Vogelsang Campground Water System (hereinafter "YNP") is  
11 located in Mariposa County and supplies water for domestic purposes to approximately 150  
12 transient visitors per day. The YNP is operated seasonally from July to September. The  
13 Water System is a transient-noncommunity public water system as defined in CHSC,  
14 section 116275.

15  
16 The YNP is required to collect a minimum of two (2) distribution system bacteriological  
17 samples per month during the months of July through September. The bacteriological water  
18 analysis results submitted by the YNP reported the presence of total coliform bacteria in a  
19 routine distribution system sample collected by YNP on July 9, 2015. In addition, two repeat  
20 samples collected on July 11, 2015, reported the presence of *E. coli* bacteria. The spring  
21 source reported the presence for total coliform bacteria in a sample collected on July 11,  
22 2015. A Tier 1 public notification was issued on July 12, 2015, and the YNP disinfected the  
23 water system. In the month of August, the YNP collected only three routine samples of the  
24 required five routine samples following a month with samples that are present for total  
25 coliform bacteria. On August 3, 2015, the YNP reported the presence of total coliform  
26 bacteria in a routine distribution system sample and the spring source sample. Due to the  
27 remote location of the campground and the continued posting of the Tier 1 notice, the

1 Division allowed the YNP to collect only three of the required five routine samples in August  
2 2015. In the month of September, the YNP reported absence for total coliform bacteria and  
3 the spring source on samples collected in September 2, 2015.  
4

5 The Tier 1 public notification remained posted until the campground closed for the season in  
6 mid-September. All water samples for coliform bacteria collected during July through  
7 September 2015 are summarized in Attachment B.  
8

9 Public notification to the Division and consumers of a water system is required whenever  
10 there is a significant rise in bacterial count. Notification to the Division is required by the end  
11 of the business day on which the violation has been determined. If the Division is closed,  
12 notification shall be within 24 hours of the determination. The YNP notified the Division on  
13 July 10, 2015. The Division was notified in accordance with the above referenced section.  
14

15 Public notification (Tier 1) to the customers of the campground was conducted on July 12,  
16 2015, advising each customer of the significant rise in bacterial count during the month of  
17 July 2015. A copy of the Tier 1 notice that was posted throughout the campground is  
18 provided as Attachment C. Proof of notification is required.  
19

20 The California Groundwater Rule (GWR) requires the collection of a sample for  
21 bacteriological evaluation from the source(s) serving the system in response to a coliform  
22 positive distribution sample within 24 hours of being notified of the coliform positive result.  
23 Based on data submitted to the Division, the YNP collected their raw water sample from the  
24 spring source in a timely manner in follow-up to the *E. coli* and total coliform bacteria  
25 positive routine samples collected on July 11, 2015. Bacteriological sampling of the spring  
26  
27

1 source was conducted on July 12, 2015, which reported the presence for total coliform and  
2 *E. coli* bacteria.

3  
4 The spring source may have been compromised and could be the cause of the bacterial  
5 contamination. The campground is located in the high sierras and closed for the winter.  
6

7 **DETERMINATION**

8 Based on the above Statement of Facts, the Division has determined that the YNP and its  
9 owner of record have violated CHSC, Section 116550 and Title 22, Sections 64426 and  
10 64426.1 in that the water produced by the YNP failed to comply with Total Coliform Rule  
11 (Significant Rise in Bacterial Count) for the month of July 2015 due to the presence of *E.coli*  
12 bacteria in two repeat samples collected in July 11, 2015.  
13

14 **DIRECTIVES**

15 The Yosemite National Park – Vogelsang Campground Water System and its owner of  
16 record are hereby directed to take the following actions:  
17

- 18
- 19 1. Comply with Title 22, CCR, Section 64426 and 64426.1, in all future monitoring  
20 periods.
  - 21 2. By **February 28, 2016**, the YNP shall provide to the Division certification of public  
22 notification of the significant rise in bacterial count using the enclosed Proof of  
23 Notification form (Attachment D). A copy of the Tier 1 final notice that was distributed  
24 is included as Attachment C.
  - 25 3. By **February 28, 2016**, the Water System shall complete and submit the enclosed  
26 “Positive Total Coliform Investigation” form to the Division that describes the incident  
27

1 and all corrective actions taken, and results of the investigation. The appropriate  
2 investigation report is provided as Attachment E.

3  
4 4. Prior to the campground's 2016 season opening, the YNP shall submit bacteriological  
5 samples collected at the spring source and at least five routine distribution system  
6 sites to verify that the water system is free of total coliform and *E. coli* bacteria.

7  
8 5. The YNP shall submit plans and specifications for all proposed sources of supply  
9 and/or water treatment projects to the Division for review and approval prior to  
10 construction.

11 6. All submittals required by this Citation shall be addressed to:

12 Kassy D. Chauhan, Senior Sanitary Engineer  
13 State Water Resources Control Board  
14 Division of Drinking Water, Merced District  
15 265 W. Bullard Ave, Suite 101  
16 Fresno, CA 93704

17 As used in this Citation, the date of issuance shall be the date of this Citation; and the date  
18 of service shall be the date of service of this Citation, personal or by certified mail, on the  
19 Water System.

20 The Division reserves the right to make such modifications to the Citation as it may deem  
21 necessary and/or to issue such further citation(s) as it may deem necessary to protect public  
22 health and safety. Such modifications may be issued as amendments to this Citation and  
23 shall be effective upon issuance.

24  
25 Nothing in this Citation relieves Water System or its owner of record of its obligation to meet  
26 the requirements of the California SDWA, or any regulation, standard, permit or order issued  
27 thereunder.

1  
2 **PARTIES BOUND**

3 This Citation shall apply to and be binding upon Yosemite National Park – Vogelsang Water  
4 System, its owners, shareholders, officers, directors, agents, employees, contractors,  
5 successors, and assignees.

6 **SEVERABILITY**

7 The Directives of this Citation are severable, and Yosemite National Park – Vogelsang and  
8 its owner of record shall comply with each and every provision hereof, notwithstanding the  
9 effectiveness of any other provision.

10 **FURTHER ENFORCEMENT ACTION**

11 The California SDWA authorizes the Board to: issue a citation with assessment of  
12 administrative penalties to a public water system for violation or continued violation of the  
13 requirements of the California SDWA or any regulation, permit, standard, citation, or order  
14 issued or adopted thereunder including, but not limited to, failure to correct a violation  
15 identified in a citation or compliance order. The California SDWA also authorizes the Board  
16 to take action to suspend or revoke a permit that has been issued to a public water system if  
17 the public water system has violated applicable law or regulations or has failed to comply  
18 with an order of the Board; and to petition the superior court to take various enforcement  
19 measures against a public water system that has failed to comply with an order of the  
20 Board. The Board does not waive any further enforcement action by issuance of this Order.  
21  
22  
23

24  
25 12/30/15  
26 Date

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



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Attachments:

Attachment A: Applicable Authorities

Attachment B: Summary of Distribution Bacteriological Samples from July to September 2015

Attachment C: Tier 1 Public Notice for July 2015

Attachment D: Proof of Notification Form – Tier 1

Attachment E: Positive Total Coliform Investigation Form

## APPENDIX 1

**Applicable Statutes and Regulations for Citation No. 03-12-15C-010  
Violation of Total Coliform Rule MCL**

**Section 116271 of the CHSC states in relevant part:**

(a) The State Water Resources Control Board succeeds to and is vested with all of the authority, duties, powers, purposes, functions, responsibilities, and jurisdiction of the State Department of Public Health, its predecessors, and its director for purposes of all of the following:

- (1) The Environmental Laboratory Accreditation Act (Article 3 (commencing with Section 100825) of Chapter 4 of Part 1 of Division 101).
- (2) Article 3 (commencing with Section 106875) of Chapter 4 of Part 1.
- (3) Article 1 (commencing with Section 115825) of Chapter 5 of Part 10.
- (4) This chapter and the Safe Drinking Water State Revolving Fund Law of 1997 (Chapter 4.5 (commencing with Section 116760)).
- (5) Article 2 (commencing with Section 116800), Article 3 (commencing with Section 116825), and Article 4 (commencing with Section 116875) of Chapter 5.
- (6) Chapter 7 (commencing with Section 116975).
- (7) The Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Division 43 (commencing with Section 75001) of the Public Resources Code).
- (8) The Water Recycling Law (Chapter 7 (commencing with Section 13500) of Division 7 of the Water Code).
- (9) Chapter 7.3 (commencing with Section 13560) of Division 7 of the Water Code.
- (10) The California Safe Drinking Water Bond Law of 1976 (Chapter 10.5 (commencing with Section 13850) of Division 7 of the Water Code).
- (11) Wholesale Regional Water System Security and Reliability Act (Division 20.5 (commencing with Section 73500) of the Water Code).
- (12) Water Security, Clean Drinking Water, Coastal and Beach Protection Act of 2002 (Division 26.5 (commencing with Section 79500) of the Water Code).

(b) The State Water Resources Control Board shall maintain a drinking water program and carry out the duties, responsibilities, and functions described in this section. Statutory reference to "department," "state department," or "director" regarding a function transferred to the State Water Resources Control Board shall refer to the State Water Resources Control Board. This section does not impair the authority of a local health officer to enforce this chapter or a county's election not to enforce this chapter, as provided in Section 116500...

- (k)
- (1) The State Water Resources Control Board shall appoint a deputy director who reports to the executive director to oversee the issuance and enforcement of public water system permits and other duties as appropriate. The deputy director shall have public health expertise.
  - (2) The deputy director is delegated the State Water Resources Control Board's authority to provide notice, approve notice content, approve emergency notification plans, and take other action pursuant to Article 5 (commencing with Section 116450), to issue, renew, reissue, revise, amend, or deny any public water system permits pursuant to Article 7 (commencing with Section 116525), to suspend or revoke any public water system permit pursuant to Article 8 (commencing with Section 116625), and to issue citations, assess penalties, or issue orders pursuant to Article 9 (commencing with Section 116650). Decisions and actions of the deputy director taken pursuant to Article 5 (commencing with Section 116450) or Article 7 (commencing with Section 116525) are deemed decisions and actions taken, but are not subject to reconsideration, by the State Water Resources Control Board. Decisions and actions of the deputy director taken pursuant to Article 8 (commencing with Section 116625) and Article 9 (commencing with Section 116650) are deemed decisions and actions taken by the State Water Resources Control Board, but any aggrieved person may petition the State Water Resources Control Board for reconsideration of the decision or action. This subdivision is not a limitation on the State Water Resources Control Board's authority to delegate any other powers and duties.

**Section 116555(a)(1) of the CHSC states in relevant part:**

- (a) Any person who owns a public water system shall ensure that the system does all of the following:
- (1) Complies with primary and secondary drinking water standards.

**Section 116650 (Citations) of the CHSC states 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

- (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 64463.1 (Tier 1 Public Notice) of CCR states in relevant part:**

- (a) A water system shall give public notice pursuant to this section and section 64465 if any of the following occurs:
- (1) Violation of the total coliform MCL when:
    - (A) Fecal coliform or *E. coli* are present in the distribution system; or
    - (B) When any repeat sample tests positive for coliform and the water system fails to test for fecal coliforms or *E. coli* in the repeat sample;...
- (b) As soon as possible within 24 hours after learning of any of the violations in subsection (a) or being notified by the State Board that it has determined there is a potential for adverse effects on human health [pursuant to paragraph (a)(4), (5), or (6)], the water system shall:
- (1) Give public notice pursuant to this section;
  - (2) Initiate consultation with the State Board within the same timeframe; and
  - (3) Comply with any additional public notice requirements that are determined by the consultation to be necessary to protect public health.
- (c) A water system shall deliver the public notice in a manner designed to reach residential, transient, and nontransient users of the water system and shall use, as a minimum, one of the following forms:
- (1) Radio or television;
  - (2) Posting in conspicuous locations throughout the area served by the water system;
  - (3) Hand delivery to persons served by the water system; or
  - (4) Other method approved by the State Board, based on the method's ability to inform water system users.

**Section 64463.4 (Tier 2 Public Notice) of the CCR states in relevant part:**

- (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:

presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.
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**Section 64469 (Reporting Requirements) of CCR states in relevant part:**

- (d) Within 10 days of giving initial or repeat public notice pursuant to Article 18 of this Chapter, except for notice given under section 64463.7(d), each water system shall submit a certification to the State Board that it has done so, along with a representative copy of each type of public notice given.

**Ground Water Rule**

**California Code of Regulations (CCR), Section 64430 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, 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]*

**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

## Bacteriological Distribution Monitoring Report

**2210509 YNP-Vogelsang**
*Distribution System Freq: 2/M*

<i>Sample Date</i>	<i>Location</i>	<i>T Coli</i>	<i>E Coli</i>	<i>F Coli</i>	<i>HPC</i>	<i>Type</i>	<i>Cl2</i>	<i>Violation</i>	<i>Comment</i>
7/9/2015	Dist SS	1.0	<1			Routine			
7/11/2015	Dist SS	P	P			Repeat			
7/11/2015	Downstream Kitchen Sink	P	P			Repeat	MCL		<i>Sig Rise</i>
7/12/2015	Dist SS	3.1	3.1			Other			<i>Investigatory Sample</i>
7/12/2015	Downstream Kitchen Sink	<1	<1			Other			<i>Investigatory Sample</i>
8/3/2015	Dist SS	5.2	<1.0			Routine	MCL		<i>BWO,</i>
8/22/2015	Dist SS	A	A			Routine			
9/2/2015	2 Samples	<1	<1			Routine			

### *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.

*YNP-Vogelsang**2210509**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>
7/9/2015		Raw SS	<1	<1					
7/11/2015		Upstream Raw ss	2.0	<1					<i>Repeat</i>
7/12/2015		Raw	2.0	1.0					<i>Investigatory Sample</i>
8/3/2015		Raw	1.0	<1.0					
9/2/2015		Raw	<1	<1					

Date:07/12/2015

## **BOIL WATER NOTICE**

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

### **BOIL YOUR WATER BEFORE USING**

**Failure to follow this advisory could result in stomach or intestinal illness.**

Due to a recent event the State Water Resources Control Board, Division of Drinking Water in conjunction with Yosemite National Park are advising residents of Vogelsang High Sierra Camp to use boiled tap water or bottled water for drinking and cooking purposes as a safety precaution.

**DO NOT DRINK THE WATER WITHOUT BOILING IT FIRST.** Bring all water to a boil, **let it boil for one (1) minute**, and let it cool before using, or use bottled water. Boiled or bottled water should be used for drinking and food preparation **until further notice**. Boiling kills bacteria and other organisms in the water.

We will inform you when tests show that water is safe to drink and you no longer need to boil your water.

For more information call:

Water Utility contact: Utilities Branch Chief Paul Laymon (209) 379-1077

State Water Resources Control Board – Drinking Water Field Operations Branch- District Office at (559) 447-3139.

Local Environmental Health Jurisdiction: Mariposa County at (209) 966-2220

*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 notice in a public place or distributing copies by hand or mail.*

**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.

**DRINKING WATER WARNING**

Vogelsang water is contaminated with *E. coli*

**BOIL YOUR WATER BEFORE USING**

*E. coli* bacteria were found in the water supply on July 7 2015. These bacteria can make you sick, and are a particular concern for people with weakened immune systems.

**What should I do?**

- **DO NOT DRINK THE WATER WITHOUT BOILING IT FIRST.** Bring all Vogelsang water to a rolling boil for 3 Minutes, and let it cool before using, or use bottled water. Boiled or bottled water should be used for drinking, making ice, brushing teeth, washing dishes, and food preparation **until further notice**. Boiling kills bacteria and other organisms in the water.
- An alternative method of disinfection for those not able to boil their water is to filter through an absolute 1 micron filter meeting the National Sanitation Foundation standard #53 for "cyst removal" followed by disinfection. Use fresh, unscented, 6% Clorox liquid household bleach. To do so, add 8 drops (or 1/8 teaspoon) of bleach per gallon of clear water or 16 drops (or 1/4 teaspoon) per gallon of cloudy water, mix thoroughly, and allow it to stand for 30 minutes before using. A chlorine-like taste and odor will result from this disinfection procedure and is an indication that adequate disinfection has taken place.
- *Fecal coliforms and E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, some of the elderly, and people with severely compromised immune systems. The symptoms above are not caused only by organisms in drinking water. If you experience any of these symptoms and they persist, you may want to seek medical advice.*
- 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.

## **What happened? What is being done?**

Bacterial contamination can occur when increased run-off enters the drinking water source (for example, following heavy rains). It can also happen due to a break in the distribution system (pipes) or a failure in the water treatment process.

We will inform you when tests show no bacteria and you no longer need to boil your water.

For more information, please contact Paul J. Laymon at (209) 379-1077.

*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 Yosemite National Park.

State Water System ID#: 22-10-509. 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 64463-64465.

**Public Water System Name:** \_\_\_\_\_

**Public Water System No.:** \_\_\_\_\_

Public notification for **significant rise in bacterial count for the month of July 2015** 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: 2210509  
Enforcement Action No. 03-11-15C-010

**POSITIVE TOTAL COLIFORM INVESTIGATION**

This form is intended to assist public water systems in completing the investigation required by the California Department of Public Health (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**

<b>PWS Name:</b>	<b>PWSID NUMBER:</b>
<b>Name</b>	<b>Address</b>
<b>Telephone #</b>	
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)	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						

**TREATMENT**

	PLANT (NAME)	PLANT (NAME)	PLANT (NAME)	PLANT (NAME)	COMMENTS
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)	PLANT (NAME)	PLANT (NAME)	PLANT (NAME)	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 <b>total</b> chlorine residual measured immediately downstream from the point of application?						
8. What is the <b>free</b> 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)	TANK (name)	TANK (name)	TANK (name)	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 <b>measured</b> chlorine residual (total/free) of the water exiting the storage tank <b>today</b> ?						
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

Page 4 of 5

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 <u>exterior</u> location or is it protected by an <u>enclosure</u> ?				
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

Page 5 of 5

## 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: \_\_\_\_\_