

STATE OF CALIFORNIA
WATER RESOURCES CONTROL BOARD
DIVISION OF DRINKING WATER

IN RE: **USFS SOURGRASS CAMPGROUND**
Water System No.: 5500263

TO: Mr. Tim Hughes
Facilities Engineer
Stanislaus National Forest
19777 Greenley Road
Sonora, CA 95370

CC: Tuolumne County Environmental Health Department

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

Issued on October 24, 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 Stanislaus National Forest – Sourgrass Campground (hereinafter "Water System") (19777 Greenley Road, Sonora, CA 95370) for violation of California Code of Regulations (CCR), Title 22, Section 64426.1 and Section 64430, Addendum A 141.402 (2).

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 The Water System is a transient-noncommunity water system serving a seasonal daily
7 maximum population of approximately thirty five (35) persons through thirteen (13) service
8 connections. The Water System currently operates under a water supply permit issued by the
9 Division on July 17, 2013.

10
11 The Water System is required to collect a minimum of one (1) distribution system bacteriological
12 samples per month at any time the Sourgrass Campground is open to the public. The
13 bacteriological water analysis results submitted by the Water System reported the presence of
14 total coliform bacteria in ten (10) of eighteen (18) samples collected by the Water System in July
15 2014 and two (2) of eleven (11) samples collected in September 2014. None of the positive
16 samples showed the presence of fecal coliform or *E. coli* bacteria.

17
18 Upon being informed of the presence of total coliform bacteria in one routine sample collected at
19 the Sourgrass Day Use Area on July 1, 2014, Water System staff collected one sample at the
20 spring source tank and a total of four repeat samples on July 8, 2014. The proper number of
21 repeat samples was collected. One (1) of the four (4) repeat samples showed the presence of
22 total coliform bacteria. The Water System posted a "Boil Water" notice (Attachment B)
23 throughout the Campground on July 10, 2014. After disinfection and flushing, additional repeat
24 samples at five locations and a sample at the spring source were collected on July 18, 2014.
25 Four (4) of five repeat samples and the spring source were positive for total coliform bacteria.
26 The spring source was re-sampled on July 22, 2014, and was negative for total coliform
27 bacteria. As a precaution, the Water System posted an approved Tier 1 Notice throughout the

1 Campground. Another set of five repeat samples were collected on July 28, 2014, after the
2 second round of disinfection and flushing. Four (4) of the five (5) repeat samples were positive
3 for total coliform bacteria. The Water System continued to post the Tier 1 Notice throughout the
4 campgrounds and super chlorinated the water system with faucets removed and capped to
5 prevent public access. On August 7, 2014, routine samples at five (5) locations in the
6 distribution system and a sample at the spring source were collected. The spring source and all
7 five routine samples were negative for total coliform bacteria.

8
9 On September 9, 2014, the Water System collected five (5) routine samples in the distribution
10 system and a sample from the spring source. The spring source was negative for total coliform
11 bacteria but two (2) of five (5) routine samples were positive for total coliform bacteria. Two (2)
12 repeat samples were collected on September 12, 2014 and additional three (3) repeat samples
13 including the spring source sample were collected on September 19, 2014. All samples were
14 negative for total coliform bacteria. A summary of all water sample result for coliform bacteria
15 collected during July through September are included in Attachment C.

16
17 The cause of the contamination is due to the freeze damage to the improperly drained above-
18 ground pipes, ineffective disinfection procedures, routine sample sites located in dead-end legs
19 of the distribution system and operator sampling errors.

20
21 The California Groundwater Rule (GWR) requires the collection of a sample for bacteriological
22 evaluation from the well(s) serving the system in response to a coliform-positive distribution
23 sample within 24 hours of being notified of the coliform-positive result. Based on data submitted
24 to the Division, the Water System did not collect the raw water sample in a timely manner in
25 follow-up to the total coliform-positive routine samples collected on July 1, 2014. The spring
26 source sample was collected on July 18, 2014, and the result did not show the presence of total
27 coliform bacteria.

1 Public notification to the Division and consumers of a water system is required whenever a
2 violation of the Total Coliform MCL occurs. Notification to the Division is required by the end of
3 the business day on which the violation has been determined. If the Division is closed,
4 notification shall be within 24 hours of the determination. The Division was notified on July 10,
5 2014, in accordance with the above-referenced section.

6
7 Public notification to the customers of the Water System was initiated on July 22, 2014, and
8 posting was on-going during the months of July, August and September, advising each
9 customer of the failure of the total coliform MCL. The Sourgrass Campground officially closed
10 for the season on September 30, 2014. A copy of the notice that was posted throughout the
11 Campground is provided as Attachment D.

12 13 14 DETERMINATION

15 Title 22, CCR, Section 64426.1, Total Coliform Maximum Contaminant Level (MCL) provides
16 that a public water system that collects fewer than 40 bacteriological samples per month has
17 violated the Total Coliform Rule if more than one (1) sample collected during any month is total
18 coliform-positive.

19
20 The Division has determined that the Water System failed to comply with Title 22, CCR, Section
21 64426.1, Total Coliform MCL for the months of July and September 2014 due to the presence
22 of total coliform bacteria in ten (10) of eighteen (18) samples collected in July 2014 and in two
23 (2) of eleven (11) samples collected in September 2014.

24
25 Title 22, CCR, Section 64430, Addendum A 141.402 (2), requires ground water systems to
26 collect, within 24 hours of notification of the total coliform-positive sample, at least one ground
27 water source sample from each ground water source in use at the time the total coliform-

1 positive sample was collected under 22 California Code of Regulations sections 64422 and
2 64423, except as provided in paragraph (a)(2)(ii) of this section.

3
4 The Division has determined that the Water System failed to comply with Title 22, CCR, Section
5 64430, Addendum A 141.402 (2), California Ground Water Rule for the month of July 2014 due
6 to its inability to collect the raw water sample within 24 hours of notification of a routine sample
7 positive for total coliform bacteria.

8 DIRECTIVES

9
10 The Water System is hereby directed to take the following actions:

- 11
- 12 1. Comply with Title 22, CCR, Section 64426.1 and Section 64430, Addendum A 141.402 (2),
13 in all future monitoring periods.
 - 14
15 2. Section 64463.4 allows water systems to give public notice by posting the notice in
16 conspicuous locations throughout the area served by the water system and by the use of
17 one or more of the following methods in order to reach persons not likely to be reached by a
18 public posting: publication in a local newspaper or newsletter distributed to customers, e-
19 mailing the public notice to water system customers, post the public notice on the internet,
20 or by delivery to each customer. The Division allowed the Water System to use one method
21 of notification by posting the notice in conspicuous locations throughout the Campgrounds
22 served by the water system. The Division hereby waives public notification by newspaper
23 publication, email, internet or delivery to the customer.
 - 24
25 3. By November 15, 2014, the Water System shall provide to the Division certification of public
26 notification using the enclosed Proof of Notification form (Attachment E). A copy of the final
27

1 notice that was distributed/posted shall also be submitted to the Division with the proof of
2 notification form.

- 3
- 4 4. The Water System shall collect five (5) routine samples for total coliform analysis during the
5 first month of the Campground opening to the public in 2015.
- 6
- 7 5. By November 15, 2014, the Water System shall submit an amended Bacteriological Sample
8 Siting Plan. The Water System shall identify new routine and repeat sites that are not
9 located in the dead-end service lines.
- 10
- 11 6. Section 64430, California Groundwater Rule requires the collection of a sample for
12 bacteriological evaluation from the well(s) serving the system in response to a coliform-
13 positive distribution sample within 24 hours of being notified of the coliform-positive result.
14 Based on data submitted to the Division, the Water System did not collect their raw water
15 well samples in a timely manner in follow-up to the total coliform-positive routine samples
16 collected on July 1, 2014. The raw water sample was collected on July 18, 2014.
- 17
- 18 7. By November 15, 2014, the Water System shall complete and submit the enclosed "Positive
19 Total Coliform Investigation" form to the Division that describes the incident and all
20 corrective actions taken, and the results of the investigation. The appropriate investigation
21 report is provided as Attachment F.
- 22

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

26

27

1 Nothing in this Citation relieves the Water System of its obligation to meet the requirements of
2 the California Safe Drinking Water Act or any regulation, standard, permit or order issued
3 thereunder.

4
5 All submittal required by this Citation shall be submitted to the Division at the following address:

6
7 Kassy D. Chauhan, P.E.
8 Senior Sanitary Engineer, Merced District
9 State Water Resources Control Board
10 Division of Drinking Water
11 265 W. Bullard Avenue, Suite 101
12 Fresno, CA 93704

13
PARTIES BOUND

14 This Citation shall apply to and be binding upon the Stanislaus National Forest, its officers,
15 directors, agents, employees, contractors, successors, and assignees.

16
SEVERABILITY

17 The Directives of this Citation are severable, and the Stanislaus National Forest shall comply
18 with each and every provision thereof notwithstanding the effectiveness of any provision.
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1 FURTHER ENFORCEMENT ACTION

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

12
13
14 10/24/14
15 Date

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

18
19 **KDC/MLM**

20 **Attachments:**

21 Attachment A: Applicable Authorities

22 Attachment B: Boil Water Notice

23 Attachment C: Summary of Bacteriological Samples from July 2014 to September 2014

24 Attachment D: Tier 1 Notice

25 Attachment E: Proof of Notification Form

26 Attachment F: Positive Total Coliform Investigation report

Applicable Statues and Regulations for Citation No. 03-11-14C-011**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, 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.

BOIL WATER NOTICE

**Water must be boiled before
being consumed**

Bacteriological Distribution Monitoring Report

5500263 USFS SOURGRASS CAMPGD
Distribution System Freq: 1/Q

<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>
7/1/2014	"Sourgrass" - need specific location site number or name	P	A			Routine			8-22-14: called Tim Huges (l/m) need clarification on where sample was collected from.
7/8/2014	HB11	A				Repeat			
7/8/2014	HB3	A				Repeat			
7/8/2014	HB8	A				Repeat			
7/8/2014	SG Day Use	P	A			Repeat	MCL		no GWR sample. Notified of TCR MCL by email from Tim Huges to CB on 7-10-14.
7/8/2014	Tank	A				Repeat			
7/18/2014	HB 12 Waka	P	A			Repeat			
7/18/2014	HB 8 Waka	P	A			Repeat			
7/18/2014	HB14	P	A			Repeat			
7/18/2014	HB3 Waka	A				Repeat			
7/18/2014	Tank	P	A			Repeat			
7/18/2014	Spring	P	A			Source R			
7/22/2014	Spring	A				Source R			
7/28/2014	HB 12	P	A			Repeat			
7/28/2014	HB 14	P	A			Repeat			
7/28/2014	HB 3	A				Repeat			
7/28/2014	HB 8	P	A			Repeat			
7/28/2014	Tank	P	A			Repeat			
8/7/2014	HB 12	A				Routine			
8/7/2014	HB 14	A				Routine			
8/7/2014	HB 3	A				Routine			
8/7/2014	HB 8	A				Routine			
8/7/2014	Spring	A	A			Routine			Source sample
8/7/2014	Tank	A				Routine			
9/9/2014	HB 12	A				Routine			
9/9/2014	HB 14	P	A			Routine			
9/9/2014	HB 3	A				Routine			
9/9/2014	HB 8	A				Routine			
9/9/2014	Spring	A				Routine			
9/9/2014	Tank	P	A			Routine			
9/12/2014	HB 14	A				Repeat			
9/12/2014	Tank	A				Repeat			
9/19/2014	HB 13	A				Repeat			
9/19/2014	HB 4	A				Repeat			

<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>CI2</i>	<i>Violation</i>	<i>Comment</i>
9/19/2014	Spring					Source R			

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.

Date: 22 July, 2014

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 bacteriological monitoring result showing the presence of coliforms in the water distribution system, the State Water Resource Control Board, Division of Drinking Water in conjunction with the United States Forest Service are advising all visitors and customers of the Sourgrass Campground 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 in addition to hand washing **until further notice**.

Notification will be posted 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: Sourgrass Campground Concessionaire.

State Water Resources Control Board – Division of Drinking Water- Merced District Office at (559) 447-3300.

Local Environmental Health Jurisdiction: Tuolumne County at (209) 533-5633.

Please share this information with all the other people who drink this water, especially those who may not have viewed or received this notice directly.

PROOF OF NOTIFICATION

(Return with copy of notice)

As required by Section 116450 of the California Health and Safety Code, I notified all users of water supplied by the **USFS - Sourgrass** of the failure to meet the **Total Coliform Rule Maximum Contaminant Level (MCL)** requirement for **July & September 2014** as directed by the Department.

Notification was made on _____ by
(date)

hand delivering / mailing / posting / publishing the written notice.

(circle all that apply)

Signature of Water System Representative

Date

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

Due: October 15, 2014
TCR MCL Violation
System Number: 2400263
Citation No.: 03-11-14C-011

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

PWS Name:		PWSID NUMBER:	
Operator in Responsible Charge (ORC)		Address	
Person that collected TC samples if different than ORC		Telephone #	
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					

TREATMENT

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

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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

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: _____