



EDMUND G. BROWN JR.  
GOVERNOR



MATTHEW RODRIGUEZ  
SECRETARY FOR  
ENVIRONMENTAL PROTECTION

**State Water Resources Control Board**  
Division of Drinking Water

October 23, 2014  
System No. 5500157

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

RE: Compliance Order No. 03-11-14R-004  
Violation of Title 22, California Code of Regulations, Section 64533(a), TTHM MCL

Dear Mr. Hughes:

Enclosed is a Compliance Order issued to the USFS Pinecrest Recreational Area (Water System).

As required in the Compliance Order, the Water System is expected to propose a solution and implement a project to ensure that water delivered to customers meets the TTHM MCL. It is noted that the Water System is already implementing a short-term solution to improve the TTHM levels in the Water System's distribution system and collecting samples on a quarterly basis. The Water System is required to provide quarterly public notification for TTHM MCL and to continue quarterly TTHM monitoring of ST2DBP-Office site.

The Water System will be billed at the Division's hourly rate (currently estimated at \$126.00) for the time spent on issuing this Compliance Order. 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 specified enforcement actions, including but not limited to, preparing, issuing and monitoring compliance with an order. At this time, the Division has spent approximately two hours 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 Water System for the current fiscal year. If you have any questions regarding this matter, please contact Kassy Chauhan at (559) 447-3316.

Sincerely,

Carl L. Carlucci, P.E.  
Supervising Sanitary Engineer  
Central California Region  
SOUTHERN CALIFORNIA BRANCH  
DRINKING WATER FIELD OPERATIONS

CLC/KDC/mlm  
Enclosures  
Cc: Tuolumne County Environmental Health Department

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

IN RE: USFS PINECREST RECREATIONAL AREA  
Water System No. 5500157

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

CC: Tuolumne County Environmental Health Department

**COMPLIANCE ORDER FOR VIOLATION  
OF CALIFORNIA CODE OF REGULATIONS, TITLE 22, SECTION 64533(a)  
STAGE 2 DISINFECTION BYPRODUCT RULE,  
MAXIMUM CONTAMINANT LEVELS FOR  
TOTAL TRIHALOMETHANES**

**Issued on October 23, 2014**

Section 116655 of the California Health and Safety Code authorizes the issuance of a compliance order 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 "State 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 compliance order to Stanislaus National Forest

1 (hereinafter, Water System) for violation of California Code of Regulations (hereinafter "CCR"),  
2 Section 64533(a), Maximum Contaminant Levels for Disinfection Byproducts.

### 3 4 APPLICABLE AUTHORITIES

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

### 7 8 FINDINGS

9 The USFS Pinecrest Recreational Area Water System (hereinafter Water System) is a  
10 nontransient-noncommunity water system that supplies water for domestic purposes to a total of  
11 61 employees for more than six months a year (about 30 employees are year-round) along with  
12 the transient population at the campgrounds and day use visitors. The water system is owned  
13 and operated by the Stanislaus National Forest. The source water is Pinecrest Lake. The  
14 surface water treatment plant (SWTP) provides in-line treatment that consists of chemical  
15 coagulation using a static mixer and filtration using two pressure filters in parallel. Disinfection is  
16 provided by chlorination using sodium hypochlorite and corrosion control using zinc  
17 orthophosphate. Treated water gravity feeds into a single pressure zone in the distribution  
18 system. The treated water storage is provided by two 35,000-gallon tanks at the SWTP. The  
19 water system serves the Summit Ranger Station and three campgrounds along Pinecrest Lake.  
20 The Water System operates under revised Domestic Water Supply Permit No. 03-11-12P-004,  
21 issued on March 16, 2012.

22  
23  
24 CCR, Title 22, Chapter 15.5 (hereinafter "Stage 2 Disinfection Byproduct Rule" or "S2DBPR")  
25 adopted by California, effective June 21, 2012, requires water systems serving less than 10,000  
26 persons to monitor and report disinfection byproduct and residual disinfectant levels. The  
27 S2DBPR applies to any community or nontransient noncommunity water system that treats water

1 with a chemical disinfectant in any part of the treatment process or that provides water containing  
2 a chemical disinfectant. CCR Section 64533 establishes a maximum contaminant level  
3 (hereinafter "MCL") in drinking water for total trihalomethanes (hereinafter "TTHM") and haloacetic  
4 acids (five) (hereinafter "HAA5") in drinking water of 0.080 mg/L and 0.060 mg/L, respectively.

5  
6 CCR, Section 64534.2, establishes a routine monitoring frequency for a surface water system  
7 serving a population less than 500 individuals of one sample for TTHMs and HAA5s per year per  
8 treatment plant during the month of warmest water temperature. The Water System is on an  
9 increased monitoring frequency of one sample per quarter per treatment plant, as required by  
10 Table 64534.2-A.

11  
12 CCR, Section 64535.2(e)(1), specifies ongoing compliance determinations for quarterly TTHM  
13 and HAA5 monitoring; specifically, compliance with the TTHM and HAA5 MCLs are based on a  
14 locational running annual average (LRAA), computed quarterly, at each approved sample site.  
15 The Water System is required to collect one TTHM sample and one HAA5 sample at the location  
16 in the distribution system with the highest historic TTHM and HAA5 results, respectively. The  
17 Water System's approved S2DBPR sample site is: ST2DBP-Office. A summary of the Water  
18 System's recent TTHM monitoring is presented in the table below.  
19  
20

21 **Table 1: Stage 2 DBPR Sample Site Results**

| Sample Location | Sample Date |            |            |           | LRAA (TTHM) |
|-----------------|-------------|------------|------------|-----------|-------------|
|                 | Q4 2013     | Q1 2014    | Q2 2014    | Q3 2014   |             |
|                 | 10/29/2013  | 02/24/2014 | 04/07/2014 | 07/18/14  |             |
| ST2DBP-Office   | 122 ug/L    | 127 ug/L   | 96.8 ug/l  | 47.0 ug/l | 98.2 ug/L   |

1 The elevated levels of TTHMs during the October 2013 through April 2014 monitoring period may  
2 be due to the Water System Operator increasing the chlorine dosage to accommodate for the lack  
3 of personnel conducting plant visits in the winter months.

4  
5 The Water System conducted an operational evaluation and the following short-term actions have  
6 been taken to improve the TTHM levels in the distribution system:

- 7 • The chlorine dosage was reduced.
- 8 • The Water System is conducting daily plant visits.

9  
10 **DETERMINATIONS**

11 Based on the above Statement of Facts, the Division has determined that the Water System has  
12 violated the LRAA MCL for TTHMs during the third quarter of 2014, as shown in Table 1 above.

13  
14 **DIRECTIVES**

15 To ensure that the water supplied by the USFS Pinecrest Recreational Area water system is at all  
16 times safe, wholesome, healthful, and potable, and pursuant to the California SDWA, the  
17 Stanislaus National Forest is hereby directed to take the following actions:

- 18  
19  
20 1. Comply with CCR, Title 22, Section 64533(a) in future monitoring periods after conducting  
21 upgrades of the treatment facility and treatment operations.
- 22  
23 2. Provide quarterly public notification of its inability to meet the TTHM MCL during any  
24 calendar quarter that the four-quarter locational running annual average exceeds the TTHM  
25 MCL. Notification procedures and format are provided in Attachment B. An electronic  
26 version of Attachment B is available upon request.

- 1 3. Proof of public notification shall be provided to the Division following each quarterly  
2 notification by the 10<sup>th</sup> day of the month following notification, using the form provided as  
3 Attachment C.  
4
- 5 4. Continue to collect quarterly samples for TTHM's and HAA5's from the distribution system in  
6 accordance with an approved DBP monitoring plan. The analytical results shall be reported  
7 to the Division electronically by the analyzing laboratory no later than the 10<sup>th</sup> day following  
8 the month in which the analysis was completed.  
9
- 10 5. By January 1, 2015, the Water System shall submit a Corrective Action Plan identifying  
11 improvements to the water system designed to correct the water quality problem (violation of  
12 the TTHM MCL) and eliminate the need to deliver water to consumers that does not meet  
13 primary drinking water standards. The plan shall include a time schedule for completion of  
14 various phases of the project such as design, construction, and startup.  
15
- 16 6. Submit quarterly progress reports to the Division. The first quarterly progress report shall  
17 describe progress made in the fourth quarter of 2014 and shall be submitted to the Division  
18 by **January 1, 2015**, using the form provided as Attachment D.  
19
- 20 7. Operate the existing water system to minimize formation of total trihalomethanes and  
21 haloacetic acids in the distribution system.  
22
- 23 8. Submit a written response by November 30, 2014, indicating its willingness to comply with  
24 the directives of this Compliance Order.  
25  
26  
27

1 9. By no later than January 1, 2018, achieve compliance with the total trihalomethanes  
2 maximum contaminant level, with the completion of a project and demonstration that the  
3 locational running annual average is reliably less than the MCL. The Water System shall  
4 provide written notification of the date that compliance is achieved, no later than ten days  
5 following receipt of the laboratory sampling results.

6  
7 10. All submittals required by this Order shall be addressed to:

8  
9 Kassy D. Chauhan, P.E.,  
10 Senior Sanitary Engineer, Merced District  
11 State Water Resources Control Board  
12 Division of Drinking Water  
13 265 W. Bullard Avenue, Suite 101  
14 Fresno, CA 93704  
15

16 11. The Division reserves the right to make such modifications to this Order as it may deem  
17 necessary to protect public health and safety. Such modifications may be issued as  
18 amendments to this Order and shall be effective upon issuance. Nothing in this Compliance  
19 Order relieves Stanislaus National Forest of its obligation to meet the requirements of the  
20 California SDWA, or any regulation, standard, permit or order issued thereunder.  
21

22  
23 If the Water System is unable to perform the tasks specified in this Order for any reason, whether  
24 within or beyond its control, and if the Water System notifies the Division in writing no less than  
25 five days in advance of the due date, the Division may extend the time for performance if the  
26 Water System demonstrates that it has used its best efforts to comply with the schedule and other  
27 requirements of this Order.

1  
2 **PARTIES BOUND**

3 This Compliance Order shall apply to and be binding upon Stanislaus National Forest, its owners,  
4 shareholders, officers, directors, agents, employees, contractors, successors, and assignees.

5  
6 **SEVERABILITY**

7 The directives of this Compliance Order are severable, and Stanislaus National Forest shall  
8 comply with each and every provision thereof notwithstanding the effectiveness of any provision.

9  
10 **FURTHER ENFORCEMENT ACTION**

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

24 10-23-2014  
Date

  
\_\_\_\_\_  
Carl L. Carlucci, P.E.  
Supervising Sanitary Engineer  
Central California Section  
SOUTHERN CALIFORNIA BRANCH  
DRINKING WATER FIELD OPERATIONS

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Attachments:

- Attachment A: Applicable Authorities
- Attachment B: Public Notification Form
- Attachment C: Proof of Notification Form
- Attachment D: Quarterly Progress Report Form

**Applicable Statues and Regulations for Citation No. 03-11-14R-003**

**Section 116655 of the California Health and Safety Code (CHSC), states in relevant part:**

- (a) Whenever the department determines that any person has violated or is violating this chapter, or any permit, regulation, or standard issued or adopted pursuant to this chapter, the director may issue an order doing any of the following:
- (1) Directing compliance forthwith.
  - (2) Directing compliance in accordance with a time schedule set by the department.
  - (3) Directing that appropriate preventive action be taken in the case of a threatened violation.
- (b) An order issued pursuant to this section may include, but shall not be limited to, any or all of the following requirements:
- (1) That the existing plant, works, or system be repaired, altered, or added to.
  - (2) That purification or treatment works be installed.
  - (3) That the source of the water supply be changed.
  - (4) That no additional service connection be made to the system.
  - (5) That the water supply, the plant, or the system be monitored.
  - (6) That a report on the condition and operation of the plant, works, system, or water supply be submitted to the department.

**Section 64533(a), Title 22, CCR, states in relevant part:**

- (a) Using the monitoring and calculation methods specified in sections 64534, 64534.2, 64535, and 64535.2, the primary MCLs for the disinfection byproducts shown in table 64533-A shall not be exceeded in drinking water supplied to the public.

**Table 64533-A  
Maximum Contaminant Levels and Detection Limits for Purposes of Reporting  
Disinfection Byproducts**

| <b>Disinfection Byproduct</b>  | <b>Maximum Contaminant Level (mg/L)</b> | <b>Detection Limit for Purposes of Reporting (mg/L)</b> |
|--------------------------------|---|---|
| Total trihalomethanes (TTHM)   | 0.080                                   |   |
| Bromodichloromethane           |   | 0.0010  |
| Bromoform                      |   | 0.0010  |
| Chloroform                     |   | 0.0010  |
| Dibromochloromethane           |   | 0.0010  |
| Haloacetic acids (five) (HAA5) | 0.060                                   |   |
| Monochloroacetic Acid          |   | 0.0020  |
| Dichloroacetic Acid            |   | 0.0010  |
| Trichloroacetic Acid           |   | 0.0010  |
| Monobromoacetic Acid           |   | 0.0010  |
| Dibromoacetic Acid             |   | 0.0010  |
| Bromate                        | 0.010                                   | 0.0050  |
| Chlorite                       | 1.0                                     | 0.020   |

**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.

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**USFS Pinecrest Rec Area has levels of Disinfection Byproducts Above Drinking Water Standards**

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Our water system recently failed a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what you should do, what happened, and what we are doing to correct this situation.

We routinely monitor for the presence of drinking water contaminants. Testing results we received on \_\_\_\_\_ show that our system exceeds the standard, or maximum contaminant level (MCL), for Total Trihalomethanes. The MCL standards for Total Trihalomethanes is 80 ug/L. The average level of Total Trihalomethanes over the last year was \_\_\_\_\_.

**What should I do?**

- **You do not need to use an alternative (e.g. , bottled) water supply.**
- This is not an immediate risk. If it had been, you would have been notified immediately. However, *some people who use water containing trihalomethanes in excess of the MCL over many years may experience liver, kidney, or central nervous system problems, and may have an increased risk of getting cancer.*
- If you have other health issues concerning the consumption of this water, you may wish to consult your doctor.

**What happened? What was done?**

[Describe corrective action] \_\_\_\_\_  
\_\_\_\_\_

We anticipate resolving the problem within \_\_\_\_\_.

For more information, please contact [name] \_\_\_\_\_ at [phone number] \_\_\_\_\_ or at the following mailing address: \_\_\_\_\_  
\_\_\_\_\_.

*Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this 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 the USFS Pinecrest Rec Area water system.**

State Water System ID#: 5500157.

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 **failure to comply with the TTHM MCL and/or HAA5 MCL for the quarter of 20** \_\_\_\_\_ 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: \_\_\_\_\_  
Enforcement Action No. \_\_\_\_\_

# Quarterly Progress Report

|                       |                   |
|-----------------------|-------------------|
| Water System:         | Water System No.: |
| Compliance Order No.: | Violation:        |
| Calendar Quarter:     | Date Prepared:    |

This form should be prepared and signed by Water System personnel with appropriate authority to implement the directives of the Compliance Order and the Corrective Action Plan. Please attach additional sheets as necessary. The quarterly progress report must be submitted by the 10th day of each subsequent quarter, to the Division of Drinking Water, Fresno District Office.

## Summary of Compliance Plan:

## Tasks completed in the reporting quarter:

## Tasks remaining to complete:

Anticipate compliance date:

Name

Signature

Title

Date