CALIFORNIA
Water Boards

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

October 24, 2017

System No. 4400608

Mr. Dale Gregory, President
Forest Springs Improvement and Maintenance Association
661 Acorn Drive
Boulder Creek, CA 95006

**CITATION NO. 02_05_17C_018**
**TOTAL COLIFORM MONITORING AND REPORTING VIOLATION**
**FOR September 2017**

Enclosed is Citation No. 02_05_17C_018 (hereinafter "Citation") issued to the Forest Springs Improvement and Maintenance Association (hereinafter "Forest Springs") public water system. Please note that there are legally enforceable deadlines associated with this Citation.

Forest Springs will be billed at the State Water Resources Control Board's (hereinafter "State Water Board"), hourly rate for the time spent on issuing this Citation. California Health and Safety Code, (hereinafter "CHSC"), Section 116577, provides that a public water system must reimburse the State Water Board for actual costs incurred by the State Water Board for specified enforcement actions, including but not limited to, preparing, issuing and monitoring compliance with a citation. At this time, the State Water Board has spent approximately 2 hour(s) on enforcement activities associated with this violation.

Forest Springs will receive a bill sent from the State Water Board in August of the next fiscal year. This bill will contain fees for any enforcement time spent on Forest Springs for the current fiscal year.

Any person who is aggrieved by a citation, order or decision issued by the Deputy Director of the Division of Drinking Water under Article 8 (commencing with CHSC, Section 116625) or Article 9 (commencing with CHSC, Section 116650), of the Safe Drinking Water Act (CHSC, Division 104, Part 12, Chapter 4), may file a petition with the State Water Board for reconsideration of the citation, order or decision. Appendix 1 to the enclosed Citation contains the relevant statutory provisions for filing a petition for reconsideration (CHSC, Section 116701).

Petitions must be received by the State Water Board within 30 days of the issuance of the citation, order or decision by the Deputy Director. The date of issuance is the date when the Division of Drinking Water mails a copy of the citation, order or decision. If the 30th day falls on a Saturday, Sunday, or state holiday, the petition is due the following business day by 5:00 p.m.

Information regarding filing petitions may be found at:

http://www.waterboards.ca.gov/drinking_water/programs/petitions/index.shtml

If you have any questions regarding this matter, please contact Querube Moltrup of my staff at (831) 655-6936 or me at (831) 655-6939.

Sincerely,

Jan Sweigert

Jan R. Sweigert, P.E.
District Engineer, Monterey District Office
Northern California Field Operations Branch
Division of Drinking Water

Enclosures

Certified Mail No. 7008 1830 0004 5435 2909

cc: Santa Cruz County Environmental Health Department

**Citation No. 02_05_17C_018**

STATE OF CALIFORNIA

STATE WATER RESOURCES CONTROL BOARD

DIVISION OF DRINKING WATER

**Name of Public Water System:** Forest Springs Improvement and Maintenance Association

**Water System No:** 4400608

**Attention**: Mr. Dale Gregory
661 Acorn Drive
Boulder Creek, CA 95006

**Issued**: October 24, 2017

**CITATION FOR NONCOMPLIANCE WITH CALIFORNIA HEALTH AND SAFETY CODE, SECTION 116555(a)(1) AND CALIFORNIA CODE OF REGULATIONS, TITLE 22 SECTIONS 64424(a)(1) AND 64423.1(c)**

**TOTAL COLIFORM MONITORING AND REPORTING VIOLATION SEPTEMBER 2017**

The California Health and Safety Code (hereinafter "CHSC"), Section 116650 authorizes the State Water Resources Control Board (hereinafter "State Water Board"), to issue a citation to a public water system when the State Water Board determines that the public water system has violated or is

violating the California Safe Drinking Water Act (hereinafter "California SDWA"), (CHSC, Division 104, Part 12, Chapter 4, commencing with Section 116270), or any regulation, standard, permit, or order issued or adopted thereunder.

The State Water Board, acting by and through its Division of Drinking Water (hereinafter "Division"), and the Deputy Director for the Division, hereby issues Citation No. 02_05_17C_018 (hereinafter "Citation"), pursuant to Section 116650 of the CHSC to the Forest Springs Improvement and Maintenance Association (hereinafter "Forest Springs"), for violation of CHSC, Section 116555(a)(1) and California Code of Regulations (hereinafter "CCR"), Title 22, Sections 64424(a)(1) and 64423.1(c).

A copy of the applicable statutes and regulations are included in Appendix 1, which is attached hereto and incorporated by reference.

## STATEMENT OF FACTS

Forest Springs is classified as a community public water system with a population of 385, serving 128 connections.

CHSC, Section 116555(a)(1) requires all public water systems to comply with primary drinking water standards as defined in CHSC, Section 116275(c). Primary drinking water standards include maximum levels of contaminants and the monitoring and reporting requirements as specified in regulations adopted by the State Water Board that pertain to maximum contaminant levels.

CCR, Title 22, Section 64424(a) states that if a routine sample is total coliform-positive, the water supplier shall collect a repeat sample set as described in paragraph (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. CCR, Title 22, Section 64424(a)(1), states that 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.

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.

The State Water Board received a laboratory result for one routine bacteriological sample collected on September 29, 2017 from the Forest Springs water system. The routine sample tested positive for total coliform bacteria. The total coliform positive sample did not show the presence of Escherichia coli (*E. coli*) bacteria. The State Water Board received three results for repeat bacteriological samples taken on October 2, 2017. The three repeat samples tested negative for total coliform bacteria.

Forest Springs collected an additional three investigative samples from the distribution system on October 3, 2017 for bacteriological testing. All of these samples tested negative for total coliform bacteria.

In accordance with the Federal Revised Total Coliform Rule, a Level 1 assessment was conducted by Forest Springs on October 20, 2017. As a result of the assessment, the following deficiencies were found that could have potentially contributed to the presence of total coliform bacteria:

| Deficiency | Required Corrective Action and Due Date |
|---|---|
| The sample may have come in contact with the tester. The system does not have a written sampling procedure for collecting bacteriological samples. | By **February 10, 2018**, develop and submit a Water System Operations and Maintenance Plan (Plan) that includes the following elements:<br>1. The schedule and procedure for flushing distribution system mains, and the procedures for disposal of the flushed water including dechlorination;<br>2. The qualifications and training received by the person collecting bacteriological samples, the date of the last training, and the sampling procedures for collecting bacteriological samples. |
| The date of last system flushing is not known and the system does not have a written procedure for flushing the distribution system. | |
| The water system does not have a cross-connection control program. | Submit results of cross-connection control survey by **January 10. 2018** |

## DETERMINATION

Forest Springs was required to collect and report four repeat bacteriological samples during September 2017 following one total coliform-positive routine sample. Forest Springs failed to collect and report the required number of repeat bacteriological analytical results to the State Water Board for September 2017. Therefore, the State Water Board has determined that Forest Springs has failed to comply with drinking water standards pursuant to CHSC, Section 116555(a)(1) and CCR, Title 22, Section 64424(a)(1) during September 2017.

## DIRECTIVES

Forest Springs is hereby directed to take the following actions:

1. Forest Springs shall collect and report bacteriological samples in accordance with CCR, Title 22, Section 64424(a)(1) in all future monitoring periods.

2. On or before **November 11, 2017,** notify all persons served by Forest Springs of the violation of CCR, Title 22, Section 64424(a)(1), in conformance with Sections 64463.4(b) and (c) and 64465. Copies of Sections 64463.4 and 64465 are included in Appendix 1. Appendix 2: Notification Template shall be used to fulfill this Directive, unless otherwise approved by the State Water Board.

   The notification shall be completed in accordance with the following:

   - By mail or direct delivery of the Public Notification to each customer served by the water system, and
   - By one of the following secondary methods to reach persons not likely to be reached by mail or direct delivery:
     - By publication in a local newspaper,
     - By delivery to community organizations, or
     - By posting in conspicuous public places served by the water system or on the internet. If the water system opts to issue the notice via internet website, the public notice shall remain posted for a minimum of seven (7) consecutive days.

Forest Springs must determine which option will be used to conduct the secondary distribution of the notice and notify the State Water Board of their decision no later than **November 1, 2017.**

3. Complete Appendix 3: Compliance Certification Form. Submit it together with a copy of the public notification required by Directive 2 to the State Water Board on or before **November 21, 2017.**

4. Pursuant to CCR, Title 22, Section 64424(d), collect and have analyzed for total coliform bacteria five (5) routine bacteriological samples on or before **October 31, 2017**. The samples must be collected in accordance with the system's bacteriological sample siting plan.

5. By **November 10, 2017,** Forest Springs shall submit an updated Bacteriological Sample Siting Plan (BSSP) that meets the requirements of CCR, Title 22, Section 64422 (a) and (b), including a routine sample rotation schedule. The updated BSSP must identify the location of repeat sample sites and include the correct number of repeat sites in accordance with CCR, Title 22, Section 64424 (a)(1). All BSSPs shall be submitted to the Division for review and approval prior to being implemented.

6. By **January 10, 2018**, Forest Springs must prepare a report documenting a cross-connection survey of the water distribution system by a certified specialist to identify locations where cross-connections are likely to occur and which makes recommendations of backflow protection needs. This report must be submitted to the

Division for review and approval by **January 10, 2018**. All necessary backflow prevention devices recommended shall be installed and tested within 60 days of the Division approving the report. Forest Springs must comply with CCR, Title 17, Sections 7584 and 7585.

7. Pursuant to CCR, Title 22, Section 64600 (a), by **February 10, 2018**, Forest Springs must develop and submit a Water System Operations and Maintenance Plan that includes the following elements:
    a. The schedule and procedure for flushing distribution system mains, and the procedures for disposal of the flushed water including dechlorination;
    b. The qualifications and training received by the person collecting bacteriological samples, the date of the last training, and the sampling procedures for collecting bacteriological samples.

All submittals required by this Citation shall be electronically submitted to the State Water Board at the following address. The subject line for all electronic submittals corresponding to this Citation shall include the following information: Water System name and number, citation number and title of the document being submitted.

Jan R. Sweigert, P.E.
District Engineer, Monterey District Office
Dwpdist05@waterboards.ca.gov

The State Water Board reserves the right to make such modifications to this Citation as it may deem necessary to protect public health and safety. Such

modifications may be issued as amendments to this Citation and shall be effective upon issuance.

Nothing in this Citation relieves the Forest Springs Improvement and Maintenance Association of its obligation to meet the requirements of the California SDWA (CHSC, Division 104, Part 12, Chapter 4, commencing with Section 116270), or any regulation, standard, permit or order issued or adopted thereunder.

## PARTIES BOUND

This Citation shall apply to and be binding upon the Forest Springs Improvement and Maintenance Association, its owners, shareholders, officers, directors, agents, employees, contractors, successors, and assignees.

## SEVERABILITY

The directives of this Citation are severable, and the Forest Springs Improvement and Maintenance Association shall comply with each and every provision thereof notwithstanding the effectiveness of any provision.

## FURTHER ENFORCEMENT ACTION

The California SDWA authorizes the State Water Board to: issue a citation or order with assessment of administrative penalties to a public water system for violation or continued violation of the requirements of the California SDWA or any regulation, permit, standard, citation, or order issued or adopted thereunder including, but not limited to, failure to correct a violation identified in a citation or compliance order. The California SDWA also authorizes the

State Water Board to take action to suspend or revoke a permit that has been issued to a public water system if the public water system has violated applicable law or regulations or has failed to comply with an order of the State Water Board, and to petition the superior court to take various enforcement measures against a public water system that has failed to comply with an order of the State Water Board. The State Water Board does not waive any further enforcement action by issuance of this Citation.

Jan Sweigert 10/24/2017

Jan R. Sweigert, P.E. Date
District Engineer, Monterey District Office
Northern California Field Operations Branch
Division of Drinking Water

Appendices (3):

1. Applicable Statutes and Regulations
2. Notification Template
3. Compliance Certification Form

Certified Mail No. 7008 1830 0004 5435 2909

# APPENDIX 1. APPLICABLE STATUTES AND REGULATIONS FOR CITATION NO. 02_05_17C_018
## Total Coliform Monitoring and Reporting Violation

*NOTE: The following language is provided for the convenience of the recipient, and cannot be relied upon as the State of California's representation of the law. The published codes are the only official representation of the law. Regulations related to drinking water are in Titles 22 and 17 of the California Code of Regulations. Statutes related to drinking water are in the Health & Safety Code, the Water Code, and other codes.*

## California Health and Safety Code (CHSC):

**Section 116271 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 116275 states in relevant part:**
(c) "Primary drinking water standards" means:

(1) Maximum levels of contaminants that, in the judgment of the state board, may have an adverse effect on the health of persons.

(2) Specific treatment techniques adopted by the state board in lieu of maximum contaminant levels pursuant to subdivision (j) of Section 116365.

(3) The monitoring and reporting requirements as specified in regulations adopted by the state board that pertain to maximum contaminant levels.

**Section 116555 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.
(2) Will not be subject to backflow under normal operating conditions.
(3) Provides a reliable and adequate supply of pure, wholesome, healthful, and potable water.

**Section 116577. Enforcement fee states:**
(a) Each public water system shall reimburse the state board for actual costs incurred by the state board for any of the following enforcement activities related to that water system:
(1) Preparing, issuing, and monitoring compliance with, an order or a citation.
(2) Preparing and issuing public notification.
(3) Conducting a hearing pursuant to Section 116625. *NOTE: This publication includes a variety of* (b) The state board shall submit an invoice for these enforcement costs to the public water system that requires payment before September 1 of the fiscal year following the fiscal year in which the costs were incurred. The invoice shall indicate the total hours expended, the reasons for the expenditure, and the hourly cost rate of the state board. The costs set forth in the invoice shall not exceed the total actual costs to the state board of enforcement activities specified in this section.
(c) Notwithstanding the reimbursement of enforcement costs of the local primacy agency pursuant to subdivision (a) of Section 116595 by a public water system under the jurisdiction of the local primacy agency, a public water system shall also reimburse enforcement costs, if any, incurred by the state board pursuant to this section.
(d) "Enforcement costs," as used in this section, does not include "litigation costs" pursuant to Section 116585.
(e) The state board shall not be entitled to enforcement costs pursuant to this section if a court determines that enforcement activities were in error.
(f) Payment of the invoice shall be made within 90 days of the date of the invoice. Failure to pay the invoice within 90 days shall result in a 10-percent late penalty that shall be paid in addition to the invoiced amount.
(g) The state board may, at its sole discretion, waive payment by a public water system of all or any part of the invoice or penalty.

**Section 116625 (Revocation and suspension of permits) states:**
(a) The department, after a hearing noticed and conducted as provided in Section 100171, may suspend or revoke any permit issued pursuant to this chapter if the department determines pursuant to the hearing that the permittee is not complying with the permit, this chapter, or any regulation, standard, or order issued or adopted thereunder, or that the permittee has made a false statement or representation on any application, record, or report maintained or submitted for purposes of compliance with this chapter. If the permit at issue has been temporarily suspended pursuant to subdivision (c), the accusation shall be served and notice of the hearing date given within 15 days of the effective date of the temporary suspension order. The commencement of the hearing shall be as soon as practicable, but in no case later than 60 days after the effective date of the temporary suspension order.
(b) The permittee may file with the superior court a petition for a writ of mandate for review of any decision of the department made pursuant to subdivision (a). Failure to file a petition shall not preclude a party from challenging the reasonableness or validity of a decision of the department in any judicial proceeding to enforce the decision or from pursuing any remedy authorized by this chapter.
(c) The department may temporarily suspend any permit issued pursuant to this chapter prior to any hearing when the action is necessary to prevent an imminent or substantial danger to health. The director shall notify the permittee of the temporary suspension and the effective date thereof and, at the same time, notify the permittee that a hearing has been scheduled. The hearing shall be held as soon as possible, but not later than 15 days after the effective date of the temporary suspension and shall deal only with the issue of whether the temporary suspension shall remain in place pending a hearing on the merits. The temporary suspension shall remain in effect until the hearing is completed and the director has made a final determination on the temporary suspension, that in any event shall be made within 15 days after the completion of the hearing. If the determination is not transmitted within 15 days after the hearing is completed, the temporary suspension shall be of no further effect. Dissolution of the temporary suspension does not deprive the department of jurisdiction to proceed with a hearing on the merits under subdivision (a).

**Section 116650 states in relevant part**:
(a) If the state board 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 state board 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 state board 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 and shall be in addition to any liability or penalty imposed under any other law.

**Section 116701 (Petitions to Orders and Decisions) states**:

(a) Within 30 days of issuance of an order or decision issued by the deputy director under Article 8 (commencing with Section 116625) or Article 9 (commencing with Section 116650), an aggrieved person may petition the state board for reconsideration. Where the order or decision of the deputy director is issued after a hearing under Chapter 5 (commencing with Section 11500) of Part 1 of Division 3 of Title 2 of the Government Code, this section shall apply instead of Section 11521 of the Government Code.

(b) The petition shall include the name and address of the petitioner, a copy of the order or decision for which the petitioner seeks reconsideration, identification of the reason the petitioner alleges the issuance of the order was inappropriate or improper, the specific action the petitioner requests, and other information as the state board may prescribe. The petition shall be accompanied by a statement of points and authorities of the legal issues raised by the petition.

(c) The evidence before the state board shall consist of the record before the deputy director and any other relevant evidence that, in the judgment of the state board, should be considered to implement the policies of this chapter. The state board may, in its discretion, hold a hearing for receipt of additional evidence.

(d) The state board may refuse to reconsider the order or decision if the petition fails to raise substantial issues that are appropriate for review, may deny the petition upon a determination that the issuance of the order or decision was appropriate and proper, may set aside or modify the order or decision, or take other appropriate action. The state board's action pursuant to this subdivision shall constitute the state board's completion of its reconsideration.

(e) The state board, upon notice and hearing, if a hearing is held, may stay in whole or in part the effect of the order or decision of the deputy director.

(f) If an order of the deputy director is subject to reconsideration under this section, the filing of a petition for reconsideration is an administrative remedy that must be exhausted before filing a petition for writ of mandate under Section 116625 or 116700.

## California Code of Regulations (CCR), Title 22:

**Section 64421 (General Requirements) states**:

(a) Each water supplier shall:

(1) Develop a routine sample siting plan as required in section 64422;
(2) Collect routine, repeat and replacement samples as required in Sections 64423, 64424, and 64425;
(3) Have all samples analyzed by laboratories approved to perform those analyses by the State Board and report results as required in section 64423.1;
(4) Notify the State Board when there is an increase in coliform bacteria in bacteriological samples as required in section 64426; and
(5) Comply with the Maximum Contaminant Level as required in section 64426.1.

(b) Water suppliers shall perform additional bacteriological monitoring as follows:

(1) After construction or repair of wells;
(2) After main installation or repair;
(3) After construction, repair, or maintenance of storage facilities; and
(4) After any system pressure loss to less than five psi. Samples collected shall represent the water quality in the affected portions of the system.

**Section 64422 (Routine Sample Siting Plan) states:**

(a) By September 1, 1992, each water supplier shall develop and submit to the State Board a siting plan for the routine collection of samples for total coliform analysis, subject to the following:

(1) The sample sites chosen shall be representative of water throughout the distribution system including all pressure zones, and areas supplied by each water source and distribution reservoir.
(2) The water supplier may rotate sampling among the sample sites if the total number of sites needed to comply with (a)(1) above exceeds the number of samples required according to Table 64423-A. The rotation plan shall be described in the sample siting plan.

(b) If personnel other than certified operators will be performing field tests and/or collecting samples, the sample siting plan shall include a declaration that such personnel have been trained, pursuant to §64415 (b).
(c) The supplier shall submit an updated plan to the State Board at least once every ten years and at any time the plan no longer ensures representative monitoring of the system.

**Section 64423 (Routine Sampling) states:**

(a) Each water supplier shall collect routine bacteriological water samples as follows:

(1) The minimum number of samples for community water systems shall be based on the known population served or the total number of service connections, whichever results in the greater number of samples, as shown in Table 64423-A. A community water system using groundwater which serves 25-1000 persons may

request from the State Board a reduction in monitoring frequency. The minimum reduced frequency shall not be less than one sample per quarter.

(2) The minimum number of samples for nontransient-noncommunity water systems shall be based on the known population served as shown in Table 64423-A during those months when the system is operating. A nontransient-noncommunity water system using groundwater which serves 25-1000 persons may request from the State Board a reduction in monitoring frequency if it has not violated the requirements in this article during the past twelve months. The minimum reduced frequency shall not be less than one sample per quarter.

(3) The minimum number of samples for transient-noncommunity water systems using groundwater and serving 1000 or fewer persons a month shall be one in each calendar quarter during which the system provides water to the public.

(4) The minimum number of samples for transient-noncommunity water systems using groundwater and serving more than 1000 persons during any month shall be based on the known population served as shown in Table 64423-A, except that the water supplier may request from the State Board a reduction in monitoring for any month the system serves 1000 persons or fewer. The minimum reduced frequency shall not be less than one sample in each calendar quarter during which the system provides water to the public.

(5) The minimum number of samples for transient-noncommunity water systems using approved surface water shall be based on the population served as shown in Table 64423-A. A system using groundwater under the direct influence of surface water shall begin monitoring at this frequency by the end of the sixth month after the State Board has designated the source to be approved surface water.

(6) A public water system shall collect samples at regular time intervals throughout the month, except that a system using groundwater which serves 4,900 persons or fewer may collect all required samples on a single day if they are taken from different sites.

(b) In addition to the minimum sampling requirements, all water suppliers using approved surface water which do not practice treatment in compliance with Sections 64650 through 64666, shall collect a minimum of one sample before or at the first service connection each day during which the turbidity level of the water delivered to the system exceeds 1 NTU. The sample shall be collected within 24 hours of the exceedance and shall be analyzed for total coliforms. If the water supplier is unable to collect and/or analyze the sample within the 24-hour time period because of extenuating circumstances beyond its control, the supplier shall notify the State Board within the 24-hour time period and may request an extension. Sample results shall be included in determining compliance with the MCL for total coliforms in Section 64426.1.

(c) If any routine, repeat, or replacement sample is total coliform-positive, then the water supplier shall collect repeat samples in accordance with Section 64424 and comply with the reporting requirements specified in Sections 64426 and 64426.1.

**Table 64423-A**

Minimum Number of Routine Total Coliform Samples

| Monthly Population Served | Service Connections | Minimum Number of Samples |
|---|---|---|
| 25 to 1000 | 15 to 400 | 1 per month |
| 1,001 to 2,500 | 401 to 890 | 2 per month |
| 2,501 to 3,300 | 891 to 1,180 | 3 per month |
| 3,301 to 4,100 | 1,181 to 1,460 | 4 per month |
| 4,101 to 4,900 | 1,461 to 1,750 | 5 per month |
| 4,901 to 5,800 | 1,751 to 2,100 | 6 per month |
| 5,801 to 6,700 | 2,101 to 2,400 | 7 per month |
| 6,701 to 7,600 | 2,401 to 2,700 | 2 per week |
| 7,601 to 12,900 | 2,701 to 4,600 | 3 per week |
| 12,901 to 17,200 | 4,601 to 6,100 | 4 per week |
| 17,201 to 21,500 | 6,101 to 7,700 | 5 per week |
| 21,501 to 25,000 | 7,701 to 8,900 | 6 per week |
| 25,001 to 33,000 | 8,901 to 11,800 | 8 per week |
| 33,001 to 41,000 | 11,801 to 14,600 | 10 per week |
| 41,001 to 50,000 | 14,601 to 17,900 | 12 per week |
| 50,001 to 59,000 | 17,901 to 21,100 | 15 per week |
| 59,001 to 70,000 | 21,101 to 25,000 | 18 per week |
| 70,001 to 83,000 | 25,001 to 29,600 | 20 per week |
| 83,001 to 96,000 | 29,601 to 34,300 | 23 per week |
| 96,001 to 130,000 | 34,301 to 46,400 | 25 per week |
| 130,001 to 220,000 | 46,401 to 78,600 | 30 per week |
| 220,001 to 320,000 | 78,601 to 114,300 | 38 per week |
| 320,001 to 450,000 | 114,301 to 160,700 | 50 per week |
| 450,001 to 600,000 | 160,701 to 214,300 | 55 per week |
| 600,001 to 780,000 | 214,301 to 278,600 | 60 per week |
| 780,001 to 970,000 | 278,601 to 346,400 | 70 per week |

| | | |
|---|---|---|
| 970,001 to 1,230,000 | 346,401 to 439,300 | 75 per week |
| 1,230,001 to 1,520,000 | 439,301 to 542,900 | 85 per week |
| 1,520,001 to 1,850,000 | 542,901 to 660,700 | 90 per week |
| 1,850,001 to 2,270,000 | 660,701 to 810,700 | 98 per week |
| 2,270,001 to 3,020,000 | 810,701 to 1,078,600 | 105 per week |
| 3,020,001 to 3,960,000 | 1,078,601 to 1,414,300 | 110 per week |
| 3,960,001 or more | 1,414,301 or more | 120 per week |

**Section 64423.1 (Sample Analysis and Reporting of Results) states:**
(a) The water supplier shall designate (label) each sample as routine, repeat, replacement, or "other" pursuant to Section 64421(b), and have each sample analyzed for total coliforms. The supplier also shall require the laboratory to analyze the same sample for fecal coliforms or Escherichia coli (E. coli) whenever the presence of total coliforms is indicated. As a minimum, the analytical results shall be reported in terms of the presence or absence of total or fecal coliforms, or E. coli in the sample, whichever is appropriate.
(b) The water supplier shall require the laboratory to notify the supplier within 24 hours, whenever the presence of total coliforms, fecal coliforms or E. coli is demonstrated in a sample or a sample is invalidated due to interference problems, pursuant to Section 64425(b), and shall ensure that a contact person is available to receive these analytical results 24-hours a day. The water supplier shall also require the laboratory to immediately notify the State Board of any positive bacteriological results if the laboratory cannot make direct contact with the designated contact person within 24 hours.
(c) Analytical results of all required samples collected for a system in a calendar month shall be reported to the State Board not later than the tenth day of the following month, as follows:

(1) The water supplier shall submit a monthly summary of the bacteriological monitoring results to the State Board.

(2) For systems serving fewer than 10,000 service connections or 33,000 persons, the water supplier shall require the laboratory to submit copies of all required bacteriological monitoring results directly to the State Board.

(3) For systems serving more than 10,000 service connections, or 33,000 persons, the water supplier shall require the laboratory to submit copies of bacteriological monitoring results for all positive routine samples and all repeat samples directly to the State Board.

(d) Laboratory reports shall be retained by the water supplier for a period of at least five years and shall be made available to the State Board upon request.

**Section 64424 (Repeat Sampling) states in relevant part:**
(a) If a routine sample is total coliform-positive, the water supplier shall collect a repeat sample set as described in paragraph (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 State Board 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 State Board within 24 hours. The State Board 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 Section 64426.1 has been exceeded and notifies the State Board.
(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 State Board 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 State Board 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 State Board 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 Section 64426.1.

**Section 64425 (Sample Invalidation) states:**

(a) A water supplier may request the Department to invalidate a sample for which a total coliform-positive result has been reported if the supplier demonstrates:

(1) All repeat sample(s) collected at the same tap as the original total coliform-positive sample also are total coliform- positive and all repeat samples collected within five service connections of the original tap are not total coliform-positive; or

(2) The laboratory did not follow the prescribed analytical methods pursuant to §64415(a), based on a review of laboratory documentation by the Department. The supplier shall submit to the Department a written request for invalidation along with the laboratory documentation, the supplier's sample collection records and any observations noted during sample collection and delivery. The water supplier shall require the laboratory to provide the supplier with documentation which shall include, but not be limited to:

(A) A letter from the director of the laboratory having generated the data, confirming the invalidation request by reason of laboratory accident or error;

(B) Complete sample identification, laboratory sample log number (if used), date and time of collection, date and time of receipt by the laboratory, date and time of analysis for the sample(s) in question;

(C) Complete description of the accident or error alleged to have invalidated the result(s);

(D) Copies of all analytical, operating, and quality assurance records pertaining to the incident in question; and

(E) Any observations noted by laboratory personnel when receiving and analyzing the sample(s) in question.

(b) Whenever any total coliform sample result indicative of the absence of total coliforms has been declared invalid by the laboratory due to interference problems as specified at 40 Code Federal Regulations, Section 141.2100(c)(2), the supplier shall collect a replacement sample from the same location as the original sample within 24 hours of being notified of the interference problem, and have it analyzed for the presence of total coliforms. The supplier shall continue to re-sample at the original site within 24 hours and have the samples analyzed until a valid result is obtained.

**Section 64426 (Significant Rise in Bacterial Count) states in relevant part:**

(a) Any of the following criteria shall indicate a possible significant rise in bacterial count:

(1) A system collecting at least 40 samples per month has a total coliform-positive routine sample followed by two total coliform-positive repeat samples in the repeat sample set;

(2) A system has a sample which is positive for fecal coliform or E. coli; or

(3) A system fails the total coliform Maximum Contaminant Level (MCL) as defined in Section 64426.1.

(b) When the coliform levels specified in subsection (a) are reached or exceeded, the water supplier shall:

(1) Contact the State Board by the end of the day on which the system is notified of the test result or the system determines that it has exceeded the MCL, unless the notification or determination occurs after the State Board office is closed, in which case the supplier shall notify the State Board within 24 hours; and

(2) Submit to the State Board information on the current status of physical works and operating procedures which may have caused the elevated bacteriological findings, or any information on community illness suspected of being waterborne. This shall include, but not be limited to:

(A) Current operating procedures that are or could potentially be related to the increase in bacterial count;

(B) Any interruptions in the treatment process;

(C) System pressure loss to less than 5 psi;

(D) Vandalism and/or unauthorized access to facilities;

(E) Physical evidence indicating bacteriological contamination of facilities;

(F) Analytical results of any additional samples collected, including source samples;

(G) Community illness suspected of being waterborne; and

(H) Records of the investigation and any action taken.

**Section 64426.1 (Total Coliform Maximum Contaminant Level (MCL)) states in relevant part:**

(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 State Board by the end of the business day on which this is determined, unless the determination occurs after the State Board office is closed, in which case the supplier shall notify the State Board 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 paragraph (b)(1) or (2), pursuant to section 64463.4. A Tier 1 Public Notice shall be given for violations of paragraph (b)(3) or (4), pursuant to section 64463.1.

**Section 64463.4 (Tier 2 Public Notice) states**:

(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 State Board 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 State Board determines that a Tier 2 rather than a Tier 3 public notice is required, based on potential health impacts and persistence of the violations;

(3) Other violations of the monitoring and testing procedure requirements in this chapter, and chapters 15.5, 17 and 17.5, for which the State Board determines that a Tier 2 rather than a Tier 3 public notice is required, based on potential health impacts and persistence of the violations; or

(4) Failure to comply with the terms and conditions of any variance or exemption in place.

(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 State Board's written approval based on the violation or occurrence having been resolved and the State Board'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 State Board'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

(3) For turbidity violations pursuant to sections 64652.5(c)(2) and 64653(c), (d) and (f), as applicable, a water system shall consult with the State Board as soon as possible within 24 hours after the water system learns of the violation to determine whether a Tier 1 public notice is required. If consultation does not take place within 24 hours, the water system shall give Tier 1 public notice within 48 hours after learning of the violation.

(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 State Board 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 State Board 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 64463.7 (Tier 3 Public Notice) states**:

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

(1) Monitoring violations;

(2) Failure to comply with a testing procedure, except where a Tier 1 public notice is required pursuant to section 64463.1 or the State Board determines that a Tier 2 public notice is required pursuant to section 64463.4; or

(3) Operation under a variance or exemption.

(b) Each water system shall give the public notice within one year after it learns of the violation or begins operating under a variance or exemption.

(1) The water system shall repeat the public notice annually for as long as the violation, variance, exemption, or other occurrence continues.

(2) Posted public notices shall remain in place for as long as the violation, variance, exemption, or other occurrence continues, but in no case less than seven days.

(3) Instead of individual Tier 3 public notices, a water system may use an annual report detailing all violations and occurrences for the previous twelve months, as long as the water system meets the frequency requirements specified in this subsection.

(c) Each 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 State Board 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 State Board 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 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.

(d) Community and nontransient-noncommunity water systems may use the Consumer Confidence Report pursuant to sections 64480 through 64483, to meet the initial and repeat Tier 3 public notice requirements in subsection 64463.7(b), as long as the Report meets the following:

(1) Is given no later than one year after the water system learns of the violation or occurrence;

(2) Includes the content specified in section 64465; and

(3) Is distributed pursuant to paragraph (b)(1) and (2) or subsection (c).

**Section 64465 (Public Notice Content and Format) states in relevant part**:

(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) A public water system providing notice pursuant to this article shall comply with the following multilingual-related requirements:

(2) For a Tier 2 or Tier 3 public notice:

(A) The notice 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 public water system to obtain a translated copy of the notice or assistance in Spanish; and

(B) When a non-English speaking group other than Spanish-speaking exceeds 1,000 residents or 10 percent of the residents served by the public water system, the notice shall include:

1. Information in the appropriate language(s) regarding the importance of the notice; or
2. A telephone number or address where such residents may contact the public water system to obtain a translated copy of the notice or assistance in the appropriate language; and

(3) For a public water system subject to the Dymally-Alatorre Bilingual Services Act, Chapter 17.5, Division 7, of the Government Code (commencing with section 7290), meeting the requirements of this Article may not ensure compliance with the Dymally-Alatorre Bilingual Services Act.

(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.

**Appendix 64465-A. Health Effects Language - Microbiological Contaminants.**

| Contaminant | Health Effects Language |
|---|---|
| Total Coliform | Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems. |
| Fecal coliform/E. coli | 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. |
| Turbidity | Turbidity has no health effects. However, high levels of turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches. |

**Section 64469 (Reporting Requirements) 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.

**Section 64481 (Content of the Consumer Confidence Report) states in relevant part:**

(g) For the year covered by the report, the Consumer Confidence Report shall note any violations of paragraphs (1) through (7) and give related information, including any potential adverse health effects, and the steps the system has taken to correct the violation.

(1) Monitoring and reporting of compliance data.

**Section 7584 (Cross-connection Control Program Requirements) Responsibility and scope of program states in relevant part:**

The water supplier shall protect the public water supply from contamination by implementation of a cross-connection control program. The program, or any portion thereof, may be implemented directly by the water supplier or by means of a contract with the local health agency, or with another agency approved by the health agency. The water supplier's cross-connection control program shall for the purpose of addressing the requirements of Sections 7585 through 7605 include, but not be limited to, the following elements:

(a) The adoption of operating rules or ordinances to implement the cross-connection program.

(b) The conducting of surveys to identify water user premises where cross-connections are likely to occur,

(c) The provisions of backflow protection by the water user at the user's connection or within the user's premises or both,

(d) The provision of at least one person trained in cross-connection control to carry out the cross-connection program,
(e) The establishment of a procedure or system for testing backflow preventers, and
(f) The maintenance of records of locations, tests, and repairs of backflow preventers.

**Section 7585 (Evaluation of hazard) states in relevant part:**
The water supplier shall evaluate the degree of potential health hazard to the public water supply which may be created as a result of conditions existing on a user's premises. The water supplier, however, shall not be responsible for abatement of cross-connections which may exist within a user's premises. As a minimum, the evaluation should consider: the existence of cross-connections, the nature of materials handled on the property, the probability of a backflow occurring, the degree of piping system complexity and the potential for piping system modification. Special consideration shall be given to the premises of the following types of water users:
(a) Premises where substances harmful to health are handled under pressure in a manner which could permit their entry into the public water system. This includes chemical or biological process waters and water from public water supplies which have deteriorated in sanitary quality.

(b) Premises having an auxiliary water supply, unless the auxiliary supply is accepted as an additional source by the water supplier and is approved by the health agency.

(c) Premises that have internal cross-connections that are not abated to the satisfaction of the water supplier or the health agency.

(d) Premises where cross-connections are likely to occur and entry is restricted so that cross-connection inspections cannot be made with sufficient frequency or at sufficiently short notice to assure that cross-connections do not exist.

(e) Premises having a repeated history of cross-connections being established or re-established.

**Section 64600. (Water System Operations and Maintenance Plan) states in relevant part:**
(a) If directed by the State Board to do so based on an identified deficiency in the system's operations, a water system shall develop and submit a Water System Operations and Maintenance Plan (Plan); the water system shall include those elements in the following list that are deemed by the State Board to be relevant to the deficiency:

(1) The operations and maintenance schedule for each unit process for each treatment plant that treats an approved surface water;
(2) The operations and maintenance schedule for each groundwater source and unit process;
(3) The schedule and procedure for flushing dead end mains, and the procedures for disposal of the flushed water including dechlorination;
(4) The schedule for routine inspection of reservoirs, and the procedures for cleaning reservoirs;
(5) The schedule and procedures for inspecting, repairing, and replacing water mains;
(6) The plan and procedures for responding to water supply emergencies;
(7) The plan and procedures for responding to consumer complaints;
(8) The schedule and procedures for testing backflow prevention assemblies;
(9) The schedule and procedures for routine exercising of water main valves;
(10) The schedule and program for maintenance and calibration of source flow meters and other online instruments used to determine the quality or quantity of water;
(11) The qualifications and training of operating personnel;
(12) The program for control of biological organisms on the interior walls of water mains; and
(13) For an underground reservoir with a buried roof designed for a function in addition to covering the reservoir, a comprehensive routine inspection and monitoring plan to ensure that there is no contamination of the reservoir as a result of that additional function.

(b) Each water system that has prepared a Plan pursuant to subsection (a) shall operate in accordance with its State Board-approved Plan.

(c) Each water system that has prepared a Plan pursuant to subsection (a) shall update the Plan at least once every five years and, in addition, following any change in the method of treatment or any other modification to the system requiring a change in the systems operations and maintenance.

## APPENDIX 2. NOTIFICATION TEMPLATE

# IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.
Por favor hable con alguien que lo pueda tradúcir.

## Bacteriological Monitoring and Reporting Requirements Not Met for Forest Springs Water System During September 2017

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

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 our drinking water meets health standards. During September 2017 we did not meet all monitoring or reporting requirements for bacteria and therefore cannot be sure of the quality of our drinking water during that time.

### What should I do?

- **You do not need to boil your water or take other corrective actions.**
- The table below lists the contaminant we did not properly test for during September 2017, how many samples we are required to take and how often, how many samples we took, when samples should have been taken, and the date on which follow-up samples will be taken.

| Contaminant | Required sampling frequency | Number of samples taken | When all samples should have been taken | When samples will be taken |
|---|---|---|---|---|
| Total Coliform Bacteria | Four follow-up samples after any initial sample tests positive for total coliform bacteria | Three follow-up samples were collected | Four follow-up samples should have been collected within 24 hours after result of the September sample showed the presence of total coliform bacteria | Five additional total coliform samples will be collected during the month of October 2017 |

- If you have health issues concerning the consumption of this water, you may wish to consult your doctor.

### What happened?

Our water system tests the drinking water once a month for total coliform bacteria. Total coliform bacteria are generally not harmful themselves. Coliforms are bacteria which are

naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. A sample collected on September 29, 2017 showed the presence of coliforms, and this was a warning of potential problems. We were required to collect *four* follow-up samples within 24 hours after receiving the total coliform positive result from the laboratory. Only three samples were collected on October 2, 2017, and this resulted in a monitoring violation. We collected three additional follow-up samples on October 3, 2017. Coliforms were **not** found in any of the six follow-up samples collected.

Usually, coliforms are a sign that there could be a problem with the system's treatment or distribution system (pipes). Whenever we detect coliform bacteria in any sample, we do follow-up testing to see if other bacteria of greater concern, such as fecal coliform or E. coli, are present. We did not find any of these bacteria in our subsequent testing.

### What is being done?

Five additional samples will be collected during the month of October 2017 to confirm the quality of the drinking water. In addition, we will be conducting an assessment of our drinking water system, including storage tanks and distribution system facilities, to identify any defects that may have contributed to the coliforms found in the September 29 sample.

We are required by the State Water Board Division of Drinking Water to complete the assessment and correct any problems found by **November 11, 2017**.

### For more information, please contact:

| | |
|---|---|
| Jim Moore, System Operator | 831-338-2933 |
| Dale Gregory, Association President | 831-338-6432 |

*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 the Forest Springs Improvement and Maintenance Association in compliance with the California Domestic Water Quality and Monitoring Regulations as a means of keeping the public informed.

State Water System ID: 4400608. Date distributed: [Public Notification Date]

## APPENDIX 3. COMPLIANCE CERTIFICATION

**Citation Number:** 02_05_17C_018

**Name of Water System:** Forest Springs

**System Number:** 4400608

**Certification**

I certify that the users of the water supplied by this water system were notified of the bacteriological monitoring and reporting violation of California Code of Regulations, Title 22, Sections 64424(a)(1) and 64423.1(c) for the compliance period of September 2017 and the required actions listed below were completed.

| Required Action | Date Completed |
|---|---|
| *(Citation Directive 2) Public Notification*<br>*Direct Delivery to Each Customer (Mailed or Hand Delivered)*<br>*Method(s) Used:*_____ | |
| *(Citation Directive 2) Public Notification*<br>*Secondary Delivery Method(s) Used:*_____ | |

_____ _____

Signature of Water System Representative Date

**Attach a copy of the public notice distributed to the water system's customers**

**THIS FORM MUST BE COMPLETED AND RETURNED TO THE STATE WATER BOARD, DIVISION OF DRINKING WATER, NO LATER THAN NOVEMBER 21, 2017**

**Disclosure:** Be advised that the California Health and Safety Code, Sections 116725 and 116730 state that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance with the Safe Drinking Water Act may be liable for, respectively, a civil penalty not to exceed five thousand dollars ($5,000) for each separate violation or, for continuing violations, for each day that violation continues, or be punished by a fine of not more than $25,000 for each day of violation, or by imprisonment in the county jail not to exceed one year, or by both the fine and imprisonment.