State Water Resources Control Board
Division of Drinking Water

May 18, 2026

System No. 4910029

Gary Helfrich
Camp Meeker Water System
admin@campmeeker.org

PERMIT NO. 02-18-26P-4910029 – CAMP MEEKER WATER SYSTEM

On June 19, 2025, Sophia Grubb accompanied Malia Helms and Audrey Kiernan from the State Water Resources Control Board (State Water Board) on an inspection of the Camp Meeker Water System water system (Camp Meeker).

On February 20th, Camp Meeker submitted a complete permit application to the State Water Resources Control Board (State Water Board) for the addition of 4-log virus inactivation treatment. An engineering report is enclosed documenting the findings of the permit application review.

Camp Meeker must have a permit to operate a water system. Domestic Water Supply Permit No. 02-18-26P-4910029 (Permit) is enclosed. As the legal owner of Camp Meeker, Camp Meeker Parks and Recreation District is responsible for compliance with all statutory and regulatory drinking water requirements and the conditions set forth in this Permit. Note that before adding or changing treatment or source, an amended permit must be applied for and obtained from the State Water Board.

A process exists by which a public water system can petition the State Water Board for reconsideration of this Permit. Petitions sent to the State Water Board "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 or decision 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." (Health & Saf. Code, § 116701, subd. (b).)

Petitions must be received by the State Water Board within 30 days of the issuance of this Permit by the State Water Board. 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:

Drinking Water Petitions for Reconsideration
https://www.waterboards.ca.gov/drinking_water/programs/petitions/instructions.html

The State Water Board appreciates the System's assistance during and after the inspection. If you have any questions, please contact Malia Helms at 707-576-2076 or malia.helms@waterboards.ca.gov, or me at 707-576-2145 or ddwsantarosa@waterboards.ca.gov.

Sincerely,

Digitally signed by Misha Anderson
Date: 2026.05.18 10:52:53 -07'00'

Water Boards

Misha Anderson, P.E.
District Engineer, Sonoma District
Division of Drinking Water
State Water Resources Control Board

Enclosures: Domestic Water Supply Permit No. 02-18-26P-4910029
2026 Permit Engineering Report

cc: Sonoma County Environmental Health –leslye.choate@sonoma-county.org
Robert Sherod, Operator - rruwater@sonic.net
Sophia Grubb, BRCE Engineer - grubb@brce.com

STATE OF CALIFORNIA

DOMESTIC WATER SUPPLY PERMIT

ISSUED TO
CAMP MEEKER PARKS AND RECREATION DISTRICT

FOR THE OPERATION OF THE

CAMP MEEKER WATER SYSTEM
WATER SYSTEM NUMBER: 4910029

BY THE

STATE WATER RESOURCES CONTROL BOARD
DIVISION OF DRINKING WATER

PERMIT NUMBER: 02-18-26P-4910029 **DATE: MAY 18, 2026**

WHEREAS:

1. Brelje and Race submitted an application on behalf of Camp Meeker Water System dated November 10, 2021, to the State Water Resources Control Board, Division of Drinking Water (State Water Board) to operate a public water system. The application was submitted in accordance with California Health and Safety Code, section 116525.

2. This public water system is known as Camp Meeker Water System (Camp Meeker) and is located at 5240 Bohemian Hwy, Camp Meeker, CA 95419.

3. The legal owner of the water system is Camp Meeker Parks and Recreation District. Camp Meeker Parks and Recreation District, therefore, is responsible for compliance with all statutory and regulatory drinking water requirements and the conditions set forth in this permit.

4. The public water system for which the permit application has been submitted is as described briefly below (a more detailed description of the permitted system is described in the attached engineering report):

   Camp Meeker operates a well, a shared corrosion control and 4-log virus inactivation treatment plant, and three storage tanks to provide potable water to about 1,171 people through 356 metered service connections.

5. Brelje and Race has submitted all of the required information relating to the operation of the Camp Meeker water system.

6. The State Water Board has evaluated all of the information submitted by Brelje and Race and has conducted a physical investigation of the Camp Meeker water system facilities.

7. The State Water Board has the authority to issue domestic water supply permits pursuant to Health and Safety Code section 116540.

THEREFORE: The State Water Board has determined the following:

1. The Camp Meeker water system meets the criteria for and is hereby classified as a community water system.

2. The design of the proposed water system facilities complies with the California Waterworks Standards and all applicable regulations.

3. The applicant has demonstrated adequate technical, managerial, and financial capacity to reliably operate the water system.

4. Provided the following conditions are complied with, Camp Meeker should be capable of providing water to consumers that is pure, wholesome, potable, and in compliance with statutory and regulatory drinking water requirements at all times.

CAMP MEEKER PARKS AND RECREATION DISTRICT IS HEREBY ISSUED THIS DOMESTIC WATER SUPPLY PERMIT TO OPERATE THE CAMP MEEKER WATER SYSTEM.

The Camp Meeker water system must comply with the following permit conditions:

- GENERAL -

1. Camp Meeker must comply with all state laws applicable to public water systems, including, but not limited to, the California Safe Drinking Water Act, part 12, division 104 of the California Health and Safety Code, and any regulations, standards, or orders adopted thereunder.

2. The only sources and treatment facilities approved for potable water supply are as follows. At no time shall water served bypass the associated treatment.

Source	PS Code	Status
Russian River Well	CA4910029_001_001	A
Consecutive Connection – Occidental CSD - TRTD	CA4910029_003	A

Treatment Plant	PS Code	Status	Treatment Processes
Treatment Plant – Russian River Well	CA4910029_002_002	A	- 4-log virus disinfection - Polyphosphate injection for corrosion control

3. An application for an amended domestic water supply permit must be submitted to the State Water Board before any of the following:
   - Adding a new storage tank with a 100,000-gallon capacity or more
   - Adding, changing the status of, or changing the quantity or quality of a water source
   - Adding or changing the capacity or processes of a treatment facility
   - Expanding the service area by 20% or more, by service connections
   - Consolidating with another water system
   - Obtaining a water quality waiver or exemption

4. All water supplied by the Camp Meeker for domestic purposes must meet all applicable maximum contaminant levels (MCLs) established by the State Water Board. If the water quality does not comply with all California drinking water standards, treatment must be provided to meet these standards, subject to State Water Board approval.

5. All personnel who operate the distribution and treatment facilities must be certified. (Cal. Code Regs., tit. 22, §§ 63765, 63770.) Camp Meeker's distribution system is classified as a D1 distribution system and its Treatment Plant – Russian River Well facility is classified as a T1 facility.

6. Camp Meeker must submit an Electronic Annual Report and Annual Inventory Report to the State Water Board each year, documenting specific water system information for the prior year. The reports must be in the format specified by the State Water Board. Monthly water production records must be maintained for each source and must be reported annually in the Annual Inventory Report. The written records must be maintained by the water system for a minimum of ten years.

7. Camp Meeker must maintain an up-to-date Emergency Notification Plan identifying how customers will be notified in the event of a water quality emergency. The public must be notified of all MCL and monitoring or reporting violations in accordance with Tier 1, 2, and 3 public notification requirements. All public notifications must be reviewed and approved by the State Water Board. The State Water Board must be contacted by telephone concerning any acute violations or occurrences of potentially hazardous situations.

8. No chemical or product may be added to drinking water unless the chemical or product is certified as meeting the specifications of NSF International/American National Standard Institute (NSF/ANSI) Standard 60 (Drinking Water Treatment Chemicals – Health Effects). (Cal. Code Regs., tit. 22, § 64590.) No chemical, material, lubricant, or product may be used that may come into contact with the drinking water that has not been tested and certified as meeting the specifications of NSF/ANSI Standard 61 (Drinking Water System Components – Health Effects). (Cal. Code Regs., tit. 22, § 64591.)

9. Camp Meeker must keep operation and maintenance records, including but not limited to: permit applications, permit technical reports, permits and amended permits, inspection reports, copies of bacteriological water quality analyses, copies of all other water quality analyses, correspondence, memoranda and other written records issued, plans and information pertaining to sources of supply, treatment, and distribution system, and copies of all compliance orders, citations, court actions, and other enforcement documentation. (Cal. Code Regs., tit. 22, § 64470.)

10. Camp Meeker must develop a complaint program documenting the name of the complainant, time and location of the complaint, a description of the complaint, and any corrective action taken by the water system. Complaint logs must be retained for a period of five years for the State Water Board's review. Water system personnel must have access to the log.

11. Camp Meeker must prepare a Consumer Confidence Report on an annual basis, which must be distributed to customers and a copy provided to the State Water Board by July 1 of each year.

- SOURCE CAPACITY -

12. Camp Meeker must maintain agreements with Sonoma County Water Agency and/or sufficient and valid water rights to ensure that available source capacity is adequate to meet the system demand at all times.

- DISTRIBUTION SYSTEM -

13. Camp Meeker must maintain a program for the protection of the water system and treatment facilities from possible cross-connections. All backflow prevention devices must be tested annually by a backflow prevention assembly tester. (State Water Board Cross-Connection Control Policy Handbook.)

14. Camp Meeker's distribution system must comply with all applicable California Waterworks Standards and American Water Works Association design and construction standards. Adequate separation with other pipelines must be provided. Requests for exemptions must be approved by the State Water Board. (Cal. Code Regs., tit. 22, § 64572.)

- STORAGE TANKS -

15. Camp Meeker must submit to the State Water Board for review the design drawings and specifications for each proposed distribution storage tank prior to its construction. All storage tanks must comply with the California Waterworks Standards and American Water Works Association design and construction standards. All storage tanks must be free from sanitary hazards and have at least one sample tap that is representative of water leaving each tank.

16. All storage tanks must be inspected at least quarterly. The tank inspections must include a visual inspection of the tank's vent screens, access hatches, valve boxes, and overflows. The hatches must be opened and a visual inspection of the tank's interior performed. The tank's valve boxes and overflow screens or valves must be inspected. Valves must be exercised.

- 4-LOG VIRUS INACTIVATION TREATMENT -

17. Camp Meeker must provide a minimum of 4-log virus inactivation through disinfection of the water from Russian River Well. Camp Meeker must submit a monthly compliance summary to the State Water Board demonstrating that it has provided a minimum of 4-log virus inactivation every day that Russian River Well was in use. The summary must be submitted by the 10th day of the following month.

18. Camp Meeker must take and record no less than daily pH and temperature measurements at the 4-log compliance location to verify that Camp Meeker is providing the required 4-log virus inactivation.

19. Camp Meeker must calibrate all measurement instruments and analyzers according to the manufacturers' recommendations, and/or whenever the accuracy of results is in question.

20. If performing daily grab samples, a trained on-site individual must take and record daily residual measurements at the point of 4-log compliance.

- CORROSION CONTROL TREATMENT -

1. pH and orthophosphate residual must be tested at the entry point to the distribution system at least every two weeks. The pH and orthophosphate residual results must be recorded every time they are tested, and the polyphosphate dosage rate must be measured and recorded at the same time. During each period of water quality parameter tap monitoring OCSD must test at least two sample distribution sites for pH and orthophosphate residual. (Cal. Code Regs., tit. 22, § 64682.)

2. A corrosion control treatment report must be submitted to the State Water Board by the 10th day of the following month that includes all entry-point pH and orthophosphate residual results, polyphosphate dosage rates recorded, and distribution site pH and orthophosphate residual results.

3. OCSD must return to standard lead and copper tap sampling every six months for at least two monitoring periods. Depending on results, OCSD may request to return to reduced lead and copper tap sampling after two rounds of standard six-month sampling.

- WATER QUALITY MONITORING -

21. Camp Meeker must monitor for coliform bacteria in the distribution system on a monthly basis in accordance with an approved Bacteriological Sample Siting Plan. Camp Meeker must follow the repeat bacteriological monitoring requirements whenever any distribution system sample shows the presence of total coliform bacteria. The State Water Board must be notified immediately if there is a significant rise in bacterial count.

22. Special bacteriological sampling must be conducted in accordance with the California Waterworks Standards:
    - prior to using newly installed water mains or water mains that have been taken out of service for maintenance or repair
    - prior to using new or repaired storage tanks
    - after water outages in the distribution system or areas of low pressures
    - after a well is repaired or not in operation for more than three months

    Records of special sampling must be maintained and made available for State Water Board review as needed.

23. The sources must be monitored for bacteriological activity and chemical concentrations, including for general physical parameters, general minerals, inorganic chemicals, radiological chemicals, volatile organic compounds, synthetic organic compounds, total coliform bacteria, and *Escherichia coli*. All results must be submitted to the State Water Board for determination of compliance with California's domestic water quality standards. The analyses must be made by an accredited laboratory.

24. Camp Meeker must ensure that all monitoring data are submitted electronically to the State Water Board. (Cal. Code Regs., tit. 22, § 64814.00, subd. (k).)

25. Camp Meeker must test the corrosiveness of its water to the plumbing used throughout the service area by testing various connections served for lead and copper. (Cal. Code Regs., tit. 22, ch. 17.5.)

26. Camp Meeker must monitor its distribution system for disinfection byproducts in accordance with an approved disinfection byproducts monitoring plan, and the standard or reduced monitoring requirements. (Cal. Code Regs., tit. 22, ch. 15.5.)

- AGREEMENTS-

27. Camp Meeker must maintain easements and agreements with Occidental Community Services District, Sonoma County Water Agency, and Alliance Redwoods to ensure it can receive and supply water.

This permit supersedes all previous domestic water supply permits issued for this public water system and shall remain in effect unless and until it is amended, revised, reissued, suspended, revoked, or declared to be null and void by the State Water Board. This permit is non-transferable. Should the Camp Meeker water system undergo a change of ownership, the new owner must apply for and receive a new domestic water supply permit.

Any change in the classification, source of water for the water system, any modification of the method of treatment as described in the permit report, or any addition of distribution system storage tanks must not be made unless an application for such change is submitted to the State Water Board.

This permit must be effective as of the date shown below.

FOR THE STATE WATER RESOURCES CONTROL BOARD

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Date: 2026.05.18 10:53:13 -07'00'

May 18, 2026

Misha Anderson, P.E., Sonoma District Engineer
Division of Drinking Water
State Water Resources Control Board

Date

PERMIT ENGINEERING REPORT

For Consideration of a Permit Amendment for
Camp Meeker Water System, System No. 4910029
Occidental Community Services District, System No.4900536
and
Alliance Redwoods Conference Grounds, System No. 4900943
May 18, 2026

State Water Resources Control Board
Division of Drinking Water
Sonoma District

Prepared by: Malia Helms, E.I.T.
Reviewed by: Misha Anderson, P.E., Sonoma District Engineer

I. INTRODUCTION

PURPOSE OF REPORT

This engineering report provides the technical basis for a permit amendment application for Domestic Water Supply Permits No. 02-18-16P-4910029, 02-18-13P-4900943, and 02-18-03P-4900536. The permit amendment application requested to authorize the addition of a combined 4-log virus inactivation treatment facility serving the Camp Meeker Water System (Camp Meeker), Occidental Community Services District (OCSD), and Alliance Redwoods Conference Grounds (Alliance) public water systems (collectively referred to as the Systems). As the Camp Meeker permit is almost 10 years old, the Alliance permit is over 10 years old, and the Occidental Community Services District permit is over 20 years old, full permits will be issued to each water system which will include the treatment facility changes.

Issuance of the full permits by the State Water Resources Control Board, Division of Drinking Water (Division) is supported by the Systems' submittal of three consecutive months of 4-log treatment operational reports. These reports demonstrate that the installed treatment facilities and system design consistently achieve a minimum 99.99 percent (4-log) reduction of viruses, confirming reliable treatment performance and regulatory compliance.

BRIEF DESCRIPTION OF SYSTEMS

The Systems each have separate owners and water rights. They are each classified as community public water systems. Camp Meeker serves a population of approximately 1171 through 356 service connections. OCSD serves a

population of approximately 533 through 110 service connections. Alliance serves a population of approximately 418 through 73 service connections.

The Systems' shared 4-log virus inactivation treatment plant is located approximately half a mile northwest of Camp Meeker Recreation and Park District in California. The Systems' shared facilities include two wells (OCSD's Well 01 and Camp Meeker's Russian River Well), 4-log virus inactivation treatment, corrosion control treatment, and three plastic tanks. Prior to this permit amendment request Alliance used onsite sources (horizontal wells) and chlorination treatment.

SOURCES OF INFORMATION

Information used to prepare this report was obtained from Division files, a site visit on June 19, 2025, and the permit amendment application documents submitted by Brelje and Race on behalf of the Systems.

II. INVESTIGATION AND FINDINGS

Permit Application

A permit amendment application for the addition of 4-log virus inactivation treatment for the Systems was submitted on November 10, 2021. The permit amendment application proposed the installation of a 4-log virus inactivation treatment plant and the interconnection of the Alliance water system as a consecutive connection at the existing treatment plant facility shared by Camp Meeker and OCSD.

Source Vulnerability and Historical Operations for Camp Meeker and OCSD

Well 01 and the Russian River Well are located approximately 200 feet from the Russian River and are subject to periodic flooding. Both wells are housed in concrete enclosures, and the wellheads are fully sealed to prevent the intrusion of surface water.

Prior to the 4-log virus inactivation treatment plant installation and during flood events resulting in well inundation, the Camp Meeker and OCSD System operator would take the wells offline and rely exclusively on stored water to serve customers. Following flood recession, bacteriological samples were collected from the wells, and the wells were returned to service only after absent sample results were obtained.

The installation of 4-log virus inactivation treatment supersedes the well inundation operational protocol. The treatment system allows continued use of the wells during inundation events by providing reliable public health protection through virus inactivation.

Source Capacity Planning Study

The source capacity planning study referenced in the submitted permit application documents is based on data collected in 2008, with some updates in a 2016

revision. Data used in the study is now 18 years out of date. Based on increasingly frequent and intense cycles of drought and precipitation a current study will be required with periodic updates.

The Division has incorporated specific permit conditions regarding a trigger to conduct an updated source capacity planning study for the OCSD permit (Permit No. 02-18-26P-4900536). The permit requires OCSD to conduct an updated source capacity planning study at a minimum frequency of once every ten (10) years. Accordingly, OCSD must complete a new study in 2026 and submit the final study report to the Division by December 31, 2026.

Alliance Redwoods Conference Grounds Source Inactivation

Following a sanitary survey on October 15, 2024, of Alliance the Division determined that Alliance could not continue operating its horizontal wells without 4-log virus inactivation treatment due to well construction deficiencies and surface water influence.

The Division directed Alliance to either:

1. Install surface water treatment for continued use of the horizontal wells; or
2. Discontinue use of the horizontal wells upon interconnection with the Camp Meeker/OCSD 4-log virus inactivation treatment plant supplied by Well 01 and the Russian River Well.

On April 17, 2025, Alliance responded in writing (via the 2025 Sanitary Survey Deficiency List response) that it would physically disconnect its horizontal wells from the potable water system and cease using them once fully interconnected with Camp Meeker and OCSD.

On December 18, 2025, a letter was sent to the Systems notifying them that Alliance must disconnect the horizontal wells from the potable water system by January 31, 2026.

Alliance submitted video evidence on February 5 and 13, 2026 that the horizontal wells were physically disconnected from the potable water system; the line was severed and capped at the entrance to the finished water concrete tanks.

Currently, the horizontal wells flow into the raw plastic tanks, and the tanks overflow into Redwood Gulch Stream.

Alliance Point of Diversion Change

Alliance filed a petition to change their point of diversion of two water right licenses to the Camp Meeker Russian River Well location. Division of Water Rights issued an order in July of 2022 approving the petition and indicated the water right licenses would be amended once Alliance ceased using the water from the original point of diversion. Therefore, the water right is now located at the same point of diversion as the Camp Meeker Russian River Well.

Therefore, the consecutive connection providing drinking water to Alliance is not dependent on the Camp Meeker or OCSD water rights.

Treatment Configuration and Design

The 4-log virus inactivation treatment system consists of three storage/contact tanks and three sodium hypochlorite injection locations designed to achieve 4-log virus inactivation.

Tank 1: 10,000-gallon polyethylene tank (installed 2025)
Tank 2: 10,000-gallon polyethylene tank (installed 2025)
Tank 3: 7,600-gallon tank (installed 1996)

Under normal operating conditions:
Tank 1 functions as a raw water tank.
Tanks 2 and 3 contain treated water.

Sodium hypochlorite is continuously injected at the inlet to Tank 2.
The injection points are configured as follows:

Site 1: Upstream of Tank 1
Site 2: At the inlet to Tank 2 (primary injection point)
Site 3: At the inlet to Tank 3

The secondary injection points (Sites 1 and 3) provide redundancy and are to be used when individual tanks are isolated for maintenance. All tanks are equipped with isolation and bypass piping to facilitate maintenance without disrupting treatment.

Contact time is achieved in Tank 2, the 77 feet of 4-inch piping connecting Tank 2 and tank 3, and in Tank 3.

Tank elevations and level controls:

- Tanks 1 and 2 heights: 13.2 feet
- Tank 3 height: 11.3 feet
- Low-level transducers (Tanks 1 & 2): 10.15 feet
- Tank 3 operating range: 5.0 feet (minimum) to 8.72 feet (maximum)

Inlet/Outlet Configurations:

- Tank 1: Inlet and outlet at the top; 90-degree angle separation
- Tanks 2 and 3: 180-degree angle separation

A sodium hypochlorite solution is injected using a Stenner peristaltic pump and passed through a static mixer prior to entering Tank 2. The chemical used is HASA Sani-Clor 12.5% sodium hypochlorite. The dilution ratio is three gallons of water to one gallon of HASA Sani-Clor 12.5%.

Chlorine dosage is calculated based on the volume of injected solution and the volume of water flowing through the treatment plant.

A direct in-line Halogen analyzer continuously monitors chlorine residual, temperature, and pH at the outlet of Tank 3. Grab samples for chlorine residual are also collected from the analyzer sample tap to verify instrument accuracy.

During the site visit on June 19, 2025, a pacing meter measured system flow rate and proportionally adjusted chlorine feed. The System replaced this meter to address air pocketing issues observed during operation.

Flow Rates and Distribution Pumps

The theoretical maximum flow rate from Tank 3 is 217 gallons per minute (gpm), based on simultaneous operation of:

- One Camp Meeker/OCSD booster pump (maximum 194 gpm); and
- One Alliance Redwoods booster pump (maximum 23 gpm).

Pump operation varies based on the Tank 3 water level. The control system is capable of limiting pump flow rates as necessary to maintain compliance with CT requirements.

Two booster pumps serve the Camp Meeker and OCSD distribution systems. Two additional booster pumps serve the Alliance distribution system. Each set of pumps is configured in a lead-lag configuration to provide redundancy.

Each Alliance distribution booster pump has a maximum flow capacity of 23 gallons per minute (gpm), while each of the OCSD/Camp Meeker distribution booster pumps has a maximum capacity of 194 gpm. The maximum potential outflow from Tank 3 is therefore approximately 217 gpm. The control system has the capability to limit pump discharge rates if needed.

When one well pump is operating, the flow rate to the tanks is 105 gpm. When both well pumps are operating simultaneously, the flow rate to the tanks is 180gpm. For normal operation, only one well pump will be running at a time.

To protect against excessive drawdown of storage, the Division recommends implementing an automated control that limits pump flow under sustained high-demand conditions. Specifically, controls should be programmed to reduce flow when both pumps in a station operate concurrently for an extended duration, or when the OCSD/Camp Meeker pumps run continuously for an extended duration. This measure will help prevent tank depletion, as the potential maximum outflow rate significantly exceeds the inflow rate to the storage tank.

No emergency backup power is provided for the well pumps, treatment plant, or booster pumps. During power outages, the Systems will rely on stored water to serve customers.

Creek Diversion

A diversion line branches from the influent line to Tank 1 to provide water to nearby Dutch Bill Creek for fish habitat support. This valve is operated manually, and flow is monitored in person. The maximum diversion rate is 35 gpm. Because use of the Alliance horizontal wells have been discontinued and water from these sources is discharged into the waterways nearby, the required diversion volume may be less than originally anticipated.

Controls and SCADA

The System has installed new controls integrated with SCADA. The following parameters are accessible remotely:

- Tank levels
- Chemical storage levels
- System pressure
- Chlorine residual
- Additional operational metrics

Alarm Setpoints and Responses

Table 1: Chlorine Residual Alarms

Alarm Level	Setpoint	Alarm Response
High High	2.0 mg/L	Plant lockout
High	1.5 mg/L	Operator notice
Low	0.35 mg/L	Operator notice
Low Low	0.2 mg/L	Plant lockout

Table 2: Tank Level Alarms

Alarm Level	Setpoint	Alarm Response
High High	0.2 ft below overflow	Well pump shutdown
High	0.5 ft below overflow	Operator notice
Low	0.2 ft below outlet (Tanks 1 and 2), 3.5 ft above outlet (Tank 3)	Operator notice
Low Low	0.5 ft below outlet (Tanks 1 and 2), 2.5 ft above outlet (Tank 3)	Plant lockout

System staff ensured that all alarms will be verified during full treatment plant startup.

Treatment Plant Startup and Bacteriological Sampling

Four bacteriological samples were collected and analyzed before bringing the plant into operation. All samples were non-detect for total coliform and E. coli. Two samples were associated with the new tanks, and two with new piping.

Piping from the Camp Meeker and OCSD facilities to Tank 3 remained in place until full startup of the new treatment configuration. This piping is planned to be removed and disconnected once the 4-log treatment plant is fully operational.

Operations Plan

The operations plan submitted with the application details the frequency of site visits and duties performed with respect to the 4-log virus inactivation treatment. The System must operate the treatment in accordance with the approved plan. Any changes to the plan must be approved by the Division.

Treatment Performance

On December 18, 2025, a letter authorized the Systems to implement a full-scale demonstration of the 4-log virus inactivation treatment system and required the submittal of three months of monthly reports to demonstrate that the new treatment plant can meet 4-log virus inactivation before a permit can be issued.

Three months (November 2025 to January 2026) of 4-log virus inactivation monthly reports were submitted to the Division. Each report demonstrated that the new treatment plant consistently achieved at least 4-log virus inactivation on each day of plant operation, indicating reliable treatment performance and regulatory compliance.

III. APPRAISAL OF SANITARY HAZARDS & PUBLIC HEALTH SAFEGUARDS

Section 116550 of California Health and Safety Code (hereinafter “CHSC”) requires an amended permit be issued for the addition of treatment and change of ownership. The Systems have submitted the necessary documents to demonstrate to the Division the addition of treatment and change of ownership meet the requirements in the CHSC and California Code of Regulations.

IV. CONCLUSIONS AND RECOMMENDATIONS

The Division finds that the Systems can provide wholesome, potable water to its customers as stipulated in this report. Therefore, the Division recommends that full Domestic Water Supply Permits be issued to the Systems for the addition of 4-log virus inactivation treatment and to add the interconnection with Alliance.

2. The following treatment is approved for use in the domestic water system:

Source Name	Status	Associated Treatment Processes
Well 01	Active	4-log virus inactivation, polyphosphate for corrosion control
Russian River Well	Active	

No changes, additions, or modifications shall be made to the sources or treatment unless an amended water permit has first been obtained from the Division.

Report Prepared by:

Malia Helms
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Water Boards

Malia Helms, E.I.T.
Water Resources Control Engineer
Sonoma District- SWRCB DDW

Reviewed by:

Digitally signed by Misha Anderson
Date: 2026.05.18 10:53:43 -07'00'
Water Boards

Misha Anderson, P.E.
Sonoma District Engineer