



Central Valley Regional Water Quality Control Board

27 October 2020

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Merced Irrigation District
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NOTICE OF APPLICABILITY; GENERAL WASTE DISCHARGE REQUIREMENTS FOR COLD WATER CONCENTRATED AQUATIC ANIMAL PRODUCTION FACILITY DISCHARGES TO SURFACE WATERS; ORDER R5-2019-0079 (CAAP GENERAL ORDER, NPDES No. CAG135001); CALAVERAS TROUT FARM, INC. AND MERCED IRRIGATION DISTRICT, TROUT REARING FACILITY, MERCED COUNTY

The California Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) issued a Notice of Applicability (NOA) to Calaveras Trout Farm Inc. and the Merced Irrigation District (collectively referred to as Discharger) on 20 January 2015 for coverage under the CAAP General Order for the Trout Rearing Facility (Facility).

On 5 December 2019, the Central Valley Water Board adopted Order R5-2019-0079 renewing the CAAP General Order. The Discharger submitted a Notice of Intent on 10 July 2019 to continue coverage for the Facility under the CAAP General Order. Effective 1 November 2020, this NOA provides continued coverage for the Facility under the CAAP General Order to discharge to the Merced River, superseding the previous NOA issued 20 January 2015. CAAP General Order R5-2019-0079-001 and National Pollutant Discharge Elimination System (NPDES) Permit No. CAG135001 are assigned for this Facility. Please reference your CAAP General Order number **R5-2019-0079-001** in all correspondence and submitted documents. The following attachments are included as part of this NOA:

1. Attachment A - Administrative Information
2. Attachment B - Location Map
3. Attachment C - Flow Schematic
4. Attachment D - Monitoring and Reporting Program
5. Attachment E - Approved Aquaculture Drugs and Chemicals Use

The enclosed [CAAP General Order](http://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders) (http://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders) is also available online. You are urged to familiarize yourself with the entire contents of the enclosed document. The Facility operations and discharges shall be managed in accordance with the requirements contained in the CAAP General Order, this NOA, and with the information submitted by the Discharger.

KARL E. LONGLEY ScD, P.E., CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

I. FACILITY INFORMATION/DISCHARGE DESCRIPTION

The Facility is at 4902 Robinson Road in Snelling, in Section 12, T5S, R14E, MDB&M, as shown in Attachment B of this NOA. The Facility is owned and operated by the Calaveras Trout Farm, Inc. on land owned by the Merced Irrigation District. The Facility is a flow through system that annually produces approximately 480,000 to 575,000 pounds of rainbow trout; 2,000 pounds of brook trout; 2,000 pounds of German brown trout; and 1,000 pounds of white sturgeon.

In the Notice of Intent, the Discharger reported the predicted 5-year maximum annual harvestable fish production (Table 1) and the maximum monthly feed use of 58,333 pounds for the Facility.

Table 1. 5-Year Maximum Aquatic Animal Production

Species	5-Year Maximum Annual Harvestable Maximum Hatchery Aquatic Animal Production (lbs)
Rainbow trout	575,000
Brook trout	2,000
German brown trout	2,000
White sturgeon	1,000

The Discharger uses a 620-foot channel to divert water from the Merced River at the Crocker Huffman Dam to the Facility. Four pipes within the 620-foot channel divert water to different sections of the Facility. The first pipe, which is 50 feet from the end of the channel, distributes five cubic feet per second (cfs) to sixteen 24-foot round cement tanks. The wastewater from the round tanks passes through two settling ponds before it is combined with the remainder of the Facility's wastewater, where it is then discharged to the Merced River. At the end of the 620-foot channel there are three pipes that distribute the water to the rest of the Facility. The first pipe distributes two cfs to one 600-foot earthen raceway, which is divided into three sections. The second pipe distributes 28 cfs to seven 600-foot earthen raceways, which are divided into six different sections. The third pipe distributes 15 cfs in the following manner: eight cfs to two 600-foot earthen raceways, which are divided into three sections and seven cfs to the hatchery. The wastewater from the raceways are combined and treated through seven settling ponds and combined with the wastewater from the round cement tanks and the hatchery before it is discharged to the Merced River.

The water flow through each settling pond can be diverted to allow for cleaning. The ponds are cleaned twice a year by raking out each pond with a dragline. The removed solids are left on the bank to dry out and then relocated for composting. The composting site is about 800 feet from the Facility. In addition, fish carcasses are removed daily from the raceways and the hatchery, which are typically composted as well. The Discharger states that in the event of a significant problem resulting in a large number of mortalities, a local rendering company is called to haul the mortalities away.

Wastewater is discharged from the Facility to the Merced River at Discharge Point 001 as shown in Attachment C, a part of this NOA.

The Discharger indicated in the 10 July 2019 Notice of Intent that the Facility discharges approximately 18.4 million gallons per day (mgd) of wastewater, on average, from the Facility continuously to the Merced River (Discharge Point 001).

II. DISCHARGE PROHIBITIONS (CAAP GENERAL ORDER SECTION IV)

The Discharge Prohibitions contained in CAAP General Order Section IV are applicable to this Facility.

III. EFFLUENT LIMITATIONS AND DISCHARGE SPECIFICATIONS (CAAP GENERAL ORDER SECTION V)

A. Effluent Limitations (CAAP General Order Section V)

Effluent Limitations are specified in Section V of the CAAP General Order. The discharge exhibits reasonable potential for total suspended solids. The following effluent limitations are applicable to this discharge and are contained in Section V.A of the CAAP General Order:

1. The Discharger shall minimize the discharge of Total Suspended Solids through the implementation of the best management practices established in Special Provision VII.C.3 of the CAAP General Order.

B. Land Discharge Specifications (CAAP General Order Section V.C)

The Land Discharge Specifications contained in CAAP General Order Section V.C are applicable to this Facility.

IV. RECEIVING WATER LIMITATIONS

A. Surface Water Limitations (CAAP General Order Section VI.A)

The discharge to the Merced River is subject to the Water Quality Control Plan for the Sacramento and San Joaquin River Basins (Basin Plan), therefore, the receiving water limitations contained in the CAAP General Order based on the Basin Plan, as indicated below, are applicable to this discharge.

- Un-ionized Ammonia (VI.A.1) – Not Applicable
- Bacteria (VI.A.2);
- Biostimulatory Substances (VI.A.3);
- Chemical Constituents (VI.A.4);
- Color (VI.A.5);
- Dissolved Oxygen (VI.A.6.a.i, ii and VI.A.6.b) – Per CAAP General Order Section VI.A.6.b., the dissolved oxygen concentration in the Merced River shall not be reduced below 8.0 mg/l;
- Electrical Conductivity (VI.A.7) – Not Applicable;
- Floating Material (VI.A.8);
- Oil and Grease (VI.A.9);
- pH (VI.A.10);
- Pesticides ((VI.A.11.a, b, c, d, e, g);
- Radioactivity (VI.A.12);

- Suspended Sediments (VI.A.13);
- Settleable Substances (VI.A.14);
- Suspended Material (VI.A.15);
- Taste and Odors (VI.A.16);
- Temperature (VI.A.17);
- Toxicity (VI.A.19); and
- Turbidity (VI.A.20.a).

B. Ground Water Limitations (CAAP General Order Section VI.B)

The Groundwater Limitations contained in CAAP General Order Section VI.B are applicable to this Facility.

V. PROVISIONS

Provisions are contained in Section VII of the CAAP General Order, and the applicable provisions are referenced below.

A. Standard Provisions. (CAAP General Order Section VII.A)

The Standard Provisions contained in CAAP General Order Section VII.A are applicable to this Facility.

B. Monitoring and Reporting Program Requirements. (CAAP General Order Section VII.B)

Each Discharger shall comply with the Monitoring and Reporting Program, and future revisions thereto, in Attachment C, of the CAAP General Order and as specified in Attachment D of this NOA.

C. Special Provisions. (CAAP General Order Section VII.C)

Special Provisions are contained in Section VII.C of the CAAP General Order. Only the following Special Provision sections from the CAAP General Order specified in Table 2 below apply to this Facility:

Table 2: Summary of Applicable Special Provisions

Special Provision	CAAP General Order Section Reference
Reopener Provisions	Section VII.C.1
Drug and Other Chemical Use Reporting	Section VII.C.2
Best Management Practices and Pollution Prevention	Section VII.C.3
Waste Disposal	Section VII.C.4
Special Provisions for Municipal Facilities (POTWs Only).	Section VII.C.5 - Not Applicable
Other Special Provisions.	Section VII.C.6 - Not Applicable
Compliance Schedules.	Section VII.C.7 – Not Applicable

VI. COMPLIANCE DETERMINATION (CAAP GENERAL ORDER SECTION VIII.A) – NOT APPLICABLE

VII. OTHER REQUIREMENTS

- A.** The discharge from the Facility (Discharge Point 001) shall not exceed a monthly average flow of 32 million gallons per day (mgd).
- B.** The CAAP General Order expires on **31 January 2025**. Only those CAAP facilities authorized to discharge under the expiring Order and who submit a Notice of Intent at least **one year** prior to the expiration date of the CAAP General Order (unless the Executive Officer grants permission for a later date) will remain authorized to discharge under administratively continued permit conditions.

VIII. ENFORCEMENT

Failure to comply with the CAAP General Order may result in enforcement actions, which could include civil liability. Effluent limitation violations are subject to a Mandatory Minimum Penalty (MMP) of \$3,000 per violation, as well as discretionary penalties. In addition, late monitoring reports are subject to discretionary penalties and MMPs. When discharges do not occur during a quarterly monitoring report period, the Discharger must still submit a quarterly monitoring report indicating that no discharge occurred to avoid being subject to enforcement actions.

IX. COMMUNICATION

All notification of non-compliance and questions regarding compliance and enforcement shall be directed to Hossein Aghazeynali of the Central Valley Water Board's NPDES Compliance and Enforcement Unit. Mr. Aghazeynali can be reached at (559) 445-6194 or by email at Hossein.Aghazeynali@waterboards.ca.gov.

Questions regarding the permitting aspects of this Order, and written notification for termination of coverage under the CAAP General Order, shall be directed to Lovdeep Singh of the Central Valley Water Board's NPDES Permitting Unit. Mr. Singh can be reached at (559) 445-5130 or by email at Lovdeep.Singh@waterboards.ca.gov.

The Central Valley Water Board is implementing a Paperless Office system to reduce our paper use, increase efficiency, and provide a more effective way for our staff, the public, and interested parties to view documents in electronic form. Therefore, the Discharger is required to submit all self-monitoring, technical, and progress reports required by this NOA via CIWQS submittal. In general, if any monitoring data for a monitoring location can be submitted using a computable document format (CDF) file upload, then it should be submitted as a CDF file upload. However, certain parameters that cannot be uploaded to the CIWQS data tables, such as the BMP Plan, should be uploaded as a Portable Document Format (PDF), Microsoft Word, or Microsoft Excel file attachment. Also, please upload or enter a cover letter summarizing the content of the report to the submittal tab of the CIWQS module for each submittal.

All other documents not required to be submitted via CIWQS shall be converted to a searchable PDF and submitted by email to the [Central Valley Water Board email \(centralvalleyfresno@waterboards.ca.gov\)](mailto:centralvalleyfresno@waterboards.ca.gov) with the following information:

- Attention: NPDES Compliance and Enforcement Section
- Discharger: Calaveras Trout Farm Inc. and the Merced Irrigation District
- Facility: Trout Rearing Facility
- County: Merced County
- CIWQS Place ID: 266540

Documents that are 50 megabytes or larger must be transferred to a DVD or flash drive, and mailed to our office, attention "ECM Mailroom-NPDES".

Any person aggrieved by this action of the Central Valley Water Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with California Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of this NOA, except that if the thirtieth day following the date of this NOA falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. [Links to the laws and regulations applicable to filling petitions](http://www.waterboards.ca.gov/public_notices/petitions/water_quality) (http://www.waterboards.ca.gov/public_notices/petitions/water_quality) may be found on the internet or will be provided upon request.

Original Signed by Clay L. Rodgers for:
Patrick Pulupa
Executive Officer

Attachments: Attachment A – Administrative Information
Attachment B – Location Map
Attachment C – Flow Schematic
Attachment D – Monitoring and Reporting Program
Attachment E – Approved Aquaculture Drug and Chemical Use

Enclosure: CAAP General Order R5-2019-0079 (Discharger only)

cc's: Elizabeth Sablad, USEPA, Region IX, San Francisco (via email only)
Peter Kozelka, USEPA, Region IX, San Francisco (via email only)
Division of Water Quality, State Water Resources Control Board, Sacramento (via email only)
Sarah Torres, PG Environmental (via email at icis-mpdes@pgenv.com)

ATTACHMENT A - ADMINISTRATIVE INFORMATION

Waste Discharge ID:	5C242001001
CIWQS Facility Place ID:	266540
General Order NOA Enrollee Number:	R5-2019-0079-001
Discharger:	Calaveras Trout Farm, Inc. (Facility Owner/Operator) and Merced Irrigation District (Property Owner)
Name of Facility:	Trout Rearing Facility
Facility Address:	4902 Robinson Road
Facility City, State Zip:	Snelling, CA 95369
Facility County:	Merced County
Facility Contact, Title and Phone Number:	Tim Goodson, President (209) 536-6576
Landowner Address:	744 West 20th Street
Landowner City, State Zip:	Merced, CA 95340
Landowner Contact and Phone Number:	Bryan Kelly (209) 722-5761 ext. 2810
Authorized Person to Sign and Submit Reports:	Tim Goodson, President and Stacey Goodson, Secretary
Mailing Address:	Calaveras Trout Farm, Inc. P.O. Box 111 Snelling, CA 95369
Billing Address:	Same
Total Weight Produced (Year one through five):	484,000 - 580,000 pounds/year
Type of Facility:	Cold Water Concentrated Aquatic Animal Production Facility, SIC Code 0921
Major or Minor Facility:	Minor
Threat to Water Quality:	2
Complexity:	B
Pretreatment Program:	No
Recycling Requirements:	No
Facility Permitted Flow:	32 million gallons per day (mgd)
Watershed:	San Joaquin River Basin
Receiving Water:	Merced River
Receiving Water Type:	Inland surface water

ATTACHMENT B – LOCATION MAP

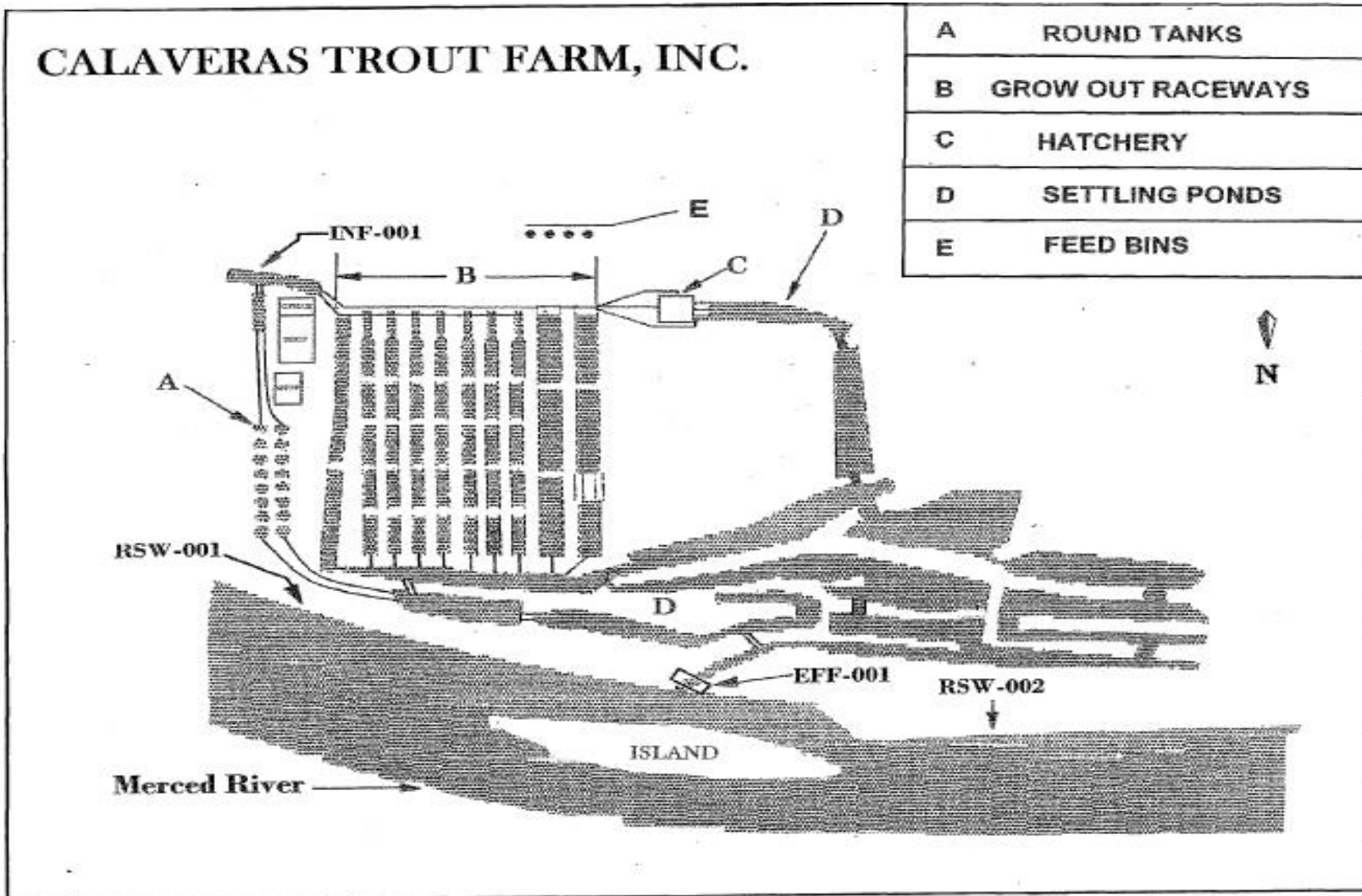


SITE LOCATION MAP

Calaveras Trout Farm, Inc.
Merced Irrigation District
Trout Rearing Facility
Merced County
Section 12, T5S, R14E, MDB&M



ATTACHMENT C – FLOW SCHEMATIC



ATTACHMENT D – MONITORING AND REPORTING PROGRAM

The Discharger is required to comply with all the Monitoring and Reporting Requirements contained in Attachment C of the CAAP General Order, as specified in this NOA Attachment D.

This Facility is the category of production of greater than 100,000 pounds of aquatic animals produced per year. Tables D-2, D-3, and D-4 below are based on the monitoring in the CAAP General Order, Attachment C for facilities producing greater than 100,000 pounds of aquatic animals produced per year (Attachment C - Sections III.A, IV.A.1, and VIII.C).

I. GENERAL MONITORING PROVISIONS

The Discharger shall comply with the General Monitoring Provisions specified in the CAAP General Order, Attachment C, Section I.

II. MONITORING LOCATIONS

The monitoring locations are defined as follows in Table D-1 below, and a flow schematic showing the site-specific monitoring locations is provided in Attachment C to this NOA.

Table D-1. Monitoring Locations

Discharge Point Name	Monitoring Location Name	Monitoring Location Description
	INF-001	Location where representative samples of the Facility's influent can be obtained prior to entering the Facility.
001	EFF-001	Location where representative samples of the Facility's effluent can be obtained prior to discharge to the Merced River at Discharge Point-001
	RSW-001	No more than 750 feet upstream from Discharge Point 001 in the Merced River
	RSW-002	No more than 650 feet downstream from Discharge Point 001 in the Merced River

III. INFLUENT MONITORING REQUIREMENTS (INF-001)

A. The Discharger shall monitor the source water supply to the Facility at Monitoring Location INF-001 as specified in Table D-2 below. Samples shall be collected at approximately the same time as effluent and receiving water samples.

Table D-2. Influent Monitoring

Parameter	Units	Sample Type	Minimum Sampling Frequency
pH	S.U.	Grab	1/month
Electrical Conductivity @ 25 degrees Celsius	µmhos/cm	Grab	1/month
Copper (Total recoverable)	µg/L	Grab	1/month during CuSo4 use

Parameter	Units	Sample Type	Minimum Sampling Frequency
Hardness (as CaCO ₃)	Mg/L	Grab	1/month during CuSO ₄ use
Total Suspended Solids	Mg/L	Grab	1/month

B. Table D-2 Testing Requirements. The Discharger shall comply with the following testing requirements when monitoring for the parameters described in Table D-2.

- Parameters shall be analyzed using the analytical methods described in 40 C.F.R. Part 136 or by methods approved by the Central Valley Water Board or the State Water Board.
- Hardness and copper samples shall be collected approximately at the same time as effluent samples.
- Constituents shall be monitored using analytical methods with sufficiently sensitive reporting levels consistent with the SSM Rule specified in 40 C.F.R. 122.21(e)(3) and 122.44(i)(1)(iv).

C. Influent Monitoring for Facilities with Intake Water Credits. Not applicable.

IV. EFFLUENT MONITORING REQUIREMENTS (EFF-001).

A. The Discharger shall monitor the effluent at Monitoring Location EFF-001 as specified in Table D-3 below. Effluent samples shall be representative of the volume and quality of the discharge. Effluent samples shall be collected during or immediately following raceway cleaning or administration of drug or chemical treatments and must be representative of the volume and quality of the discharge at the time when representative levels of solids, drugs, chemicals, or other pollutants are present in the discharge. Time of collection of samples shall be recorded.

Table D-3. Effluent Monitoring

Parameter	Units	Sample Type	Minimum Sampling Frequency
Flow	cfs	Meter	1/month
Total Suspended Solids (TSS)	mg/L	Grab	1/month
Net TSS (effluent minus influent)	mg/L	Net Calculation	1/month
Turbidity	NTU	Grab	1/month
pH	S.U.	Grab	1/month
Electrical Conductivity @ 25 degrees Celsius	µmhos/cm	Grab	1/month
Copper (Total recoverable)	µg/L	Grab	1/month during CuSO ₄ use
Hardness (as CaCO ₃)	mg/L	Grab	1/month during CuSO ₄ use
Formaldehyde	mg/L	Grab	1/month during Formaldehyde use

Parameter	Units	Sample Type	Minimum Sampling Frequency
Chlorine	mg/L	Grab	1/quarter during chlorine use

B. Table D-3 Testing Requirements. The Discharger shall comply with the following testing requirements when monitoring for the parameters described in Table D-3.

1. Parameters shall be analyzed using the analytical methods described in 40 C.F.R. Part 136 or by methods approved by the Central Valley Water Board or the State Water Board.
2. Electrical conductivity samples shall be collected monthly. If sodium chloride is used, the monthly monitoring of electrical conductivity shall be conducted during treatment.
3. Copper, pH, hardness, and formaldehyde shall be monitored using analytical methods with sufficiently sensitive reporting levels consistent with the SSM Rule specified in 40 C.F.R. 122.21(e)(3) and 122.44(i)(1)(iv).
4. Estimated concentrations of formaldehyde may be reported in lieu of analytical monitoring during formaldehyde use. If calculations are reported then formaldehyde concentrations should be reported daily to match the concentrations reported in the Monthly Chemical Use Report (Attachment F). See Section IX.A for calculation procedures. If analytical monitoring is conducted, when Formaldehyde is added to the waters of the Facility, formaldehyde concentration shall be measured during time of peak discharge of Formaldehyde, at least one hour after start of treatment.
5. Total chlorine residual must be monitored with a method sensitive to and accurate at the permitted level of 0.018 mg/L.
6. Per Section IX.A, the discharger shall report all aquaculture drug and chemical use as part of the Monthly Drug and Chemical Use Report that is submitted on a quarterly basis.
7. The monthly copper sample shall be collected during the time of peak discharge of copper, at least one hour after start of treatment. Effluent hardness and pH shall be measured at the same time as total recoverable copper.

C. Effluent Monitoring for Facilities with Intake Water Credits. Not applicable.

V. LAND DISCHARGE MONITORING REQUIREMENTS.

A. Septic Tank/Leachfields. The monitoring requirements contained in CAAP General Order, Attachment C, Section VI.A are applicable to this Facility.

B. Sewage Lagoons. Not applicable.

VI. RECEIVING WATER MONITORING REQUIREMENTS.

A. Sampling Locations. Receiving water samples shall be collected from Monitoring Locations RSW-001 and RSW-002 as specified below.

B. Receiving Water Observations. In conducting the receiving water sampling, a log shall be kept of the receiving water conditions. Attention shall be given to the presence or absence of:

- a. Floating or suspended matter
- b. Discoloration
- c. Bottom deposits
- d. Aquatic life
- e. Visible films, sheens, or coatings
- f. Fungi, slimes, or objectionable growths
- g. Potential nuisance conditions

Notes on receiving water conditions shall be summarized in the monitoring report.

C. Receiving Water Monitoring. The Discharger shall monitor the receiving water at Monitoring Locations RSW-001 and RSW-002 as follows:

Table D-4. Receiving Water Monitoring

Parameter	Units	Sample Type	Minimum Sampling Frequency
Dissolved Oxygen	mg/L	Grab	1/month
Temperature	Degrees C	Grab	1/month
Turbidity	NTU	Grab	1/month
pH	S.U.	Grab	1/month
Electrical Conductivity @ 25 degrees Celsius	µmhos/cm	Grab	1/month
Hardness (as CaCO ₃)	mg/L	Grab	1/month during CuSO ₄ use

B. Table D-4 Testing Requirements. The Discharger shall comply with the following testing requirements when monitoring for the parameters described in Table D-4.

1. Parameters shall be analyzed using the analytical methods described in 40 C.F.R. Part 136 or by methods approved by the Central Valley Water Board or the State Water Board.
2. When copper sulfate is added to waters of the facility, hardness (as CaCO₃) shall be measured monthly during treatment.

VII. OTHER MONITORING REQUIREMENTS.

A. Monthly Drug and Chemical Use Report. The Discharger shall develop a monthly drug and chemical use report in accordance with CAAP General Order, Attachment C, Section IX.A describing all aquaculture drugs or chemicals used at the Facility. The report shall be submitted with the quarterly self-monitoring reports.

B. Priority Pollutant Metals Monitoring. In accordance with CAAP General Order, Attachment C, Section IX.B., the Discharger shall monitor the effluent (Monitoring

Location EFF-001) and the upstream receiving water (Monitoring Location RSW-001) for the metals listed in Table G-1 of the CAAP General Order once during the term of the CAAP General Order. **The monitoring shall occur beginning on or after 1 January 2021, but no later than 1 January 2023.** The Discharger shall electronically submit the priority pollutants metals monitoring results using the State Water Board's [California Integrated Water Quality System](http://www.waterboards.ca.gov/water_issues/programs/ciwqs) (CIWQS) Program Web site (http://www.waterboards.ca.gov/water_issues/programs/ciwqs) **within 60 days of the final sampling event.** Refer to CAAP General Order, Attachment G for the specific monitoring requirements. Constituents shall be monitored using analytical methods with sufficiently sensitive reporting levels consistent with the SSM Rule specified in 40 C.F.R. 122.21(e)(3) and 122.44(i)(1)(iv).

C. Annual Feeding and Production Report. The Discharger shall develop an annual feeding and production report in accordance with CAAP General Order, Attachment C, Section IX.C. The annual report shall be submitted on **1 February, annually**, and included the following information:

1. Monthly food usage in pounds for each calendar month.
2. Annual production of aquatic animals in pounds per year.

VIII. REPORTING REQUIREMENTS

A. General Monitoring and Reporting Requirements. The Discharger shall comply with the General Monitoring and Reporting Requirements specified in the CAAP General Order, Attachment C, Section X.A.

B. Self-Monitoring Reports (SMRs). The Discharger shall comply with the Self-Monitoring Report requirements specified in the CAAP General Order, Attachment C, Section X.B. Monitoring in accordance with the renewed CAAP General Order is required to begin on the effective date of 1 November 2020. SMRs are required to be submitted quarterly and annually. The Discharger shall comply with the reporting requirements specified in CAAP General Order, Attachment C, Section X. The first SMR required under the renewed CAAP General Order is due 1 February 2021 and shall include monitoring conducted from 1 November through 31 December. Table D-5, below, summarizes the SMR due dates required under the CAAP General Order. Quarterly monitoring reports must be submitted until your coverage is formally terminated in accordance with the CAAP General Order, even if there is no discharge during the reporting quarter.

Table D-5. SMRs required in the MRP (Attachment C, CAAP General Order)

Sampling Frequency	Monitoring Period Begins On...	Monitoring Period	SMR Due Date
1/month	1 November 2020	First day of calendar month through last day of calendar month	1 May (1 Jan – 31 Mar) 1 Aug (1 Apr – 30 Jun) 1 Nov (1 Jul – 30 Sep) 1 Feb of following year (1 Oct – 31 Dec)
1/quarter	1 November 2020	1 January through 31 March 1 April through 30 June	1 May 1 Aug

Sampling Frequency	Monitoring Period Begins On...	Monitoring Period	SMR Due Date
		1 July through 30 September 1 October through 31 December	1 Nov 1 Feb of following year
1/year	1 November 2020	January 1 through December 31	1 Feb of following year

C. Other Reports

- 1. Analytical Methods Report.** The Discharger shall complete and submit an Analytical Methods Report by **28 December 2020**. The Analytical Methods Report shall include the following for each constituent to be monitored in accordance with this Order: 1) applicable water quality objective, 2) reporting level (RL), 3) method detection limit (MDL), and 4) analytical method. The analytical methods shall be sufficiently sensitive with RLs consistent with the SSM Rule per 40 C.F.R. 122.21(e)(3) and 122.44(i)(1)(iv), and with the Minimum Levels (MLs) in the SIP, Appendix 4. The “Reporting Level or RL” is synonymous with the “Method Minimum Level” described in the SSM Rule. If an RL is not less than or equal to the applicable objective for a constituent, the Discharger shall explain how the proposed analytical method complies with the SSM Rule. Central Valley Water Board staff will provide a tool with the NOA to assist the Discharger in completing this requirement. The tool will include the constituents and associated applicable water quality objectives to be included in the Analytical Methods Report.
- 2. Analytical Methods Report Certification.** Prior to beginning the Priority Pollutant Metals Monitoring, the Discharger shall provide a certification acknowledging the scheduled start date of the Priority Pollutant Metals Monitoring and confirming that samples will be collected and analyzed as described in the previously submitted Analytical Methods Report. If there are changes to the previously submitted Analytical Methods Report, the Discharger shall outline those changes. A one-page certification form will be provided by Central Valley Water Board staff with the NOA that the Discharger can use to satisfy this requirement. Central Valley Water Board staff will provide a tool with the NOA to assist the Discharger in completing this requirement. The tool will include the Analytical Methods Report Certification form, which will acknowledge the scheduled start date of the Effluent and Receiving Water Characterization monitoring and certifies that samples will be taken and analyzed as described in the previously submitted and approved Analytical Methods Report. If there are changes to the approved Analytical Methods Report, the Discharger shall outline those requested changes in the form and not commence characterization monitoring until the requested changes have been reviewed and approved by Central Valley Water Board staff.

ATTACHMENT E – APPROVED AQUACULTURE DRUGS AND CHEMICALS USE

The following drugs and chemicals are used at the Facility to treat fish for parasites, fungi, and bacteria, as well as to clean rearing raceways to reduce the spread of disease among the confined fish population.

Table E-1. Approved Aquaculture Drugs and Chemicals Use

Drug or Chemical	Maximum Daily Amount Used	Method of Application	Maximum Amount in Effluent
Acetic Acid	500-1,000 ppm	Dip in container	Not discharged
Amoxicillin Trihydrate	40 mg/kg of fish	Injected	Negligible
Carbon Dioxide Gas	variable	Injected into tank	Unknown
Chloramine T	20 ppm/1 hr/raceway	Drip	1.3 ppm
Erythromycin	40 mg/kg of fish	Injected	Negligible
Florfenicol	15 mg/kg of feed	In feed	Negligible
Hydrogen Peroxide	100 ppm/1 hr/raceway	Drip	6.44 ppm with no raceway breakdown of chemical
Iodine	100 ppm	Egg bath in 5-gal bucket	Not discharged
Oxytetracycline HCL	100 ppm	Bath in tanks	0.22 ppm
Penicillin G	150 IU/mL	6 hr bath in tanks	0.33 IU/mL
Potassium Permanganate	2 ppm/1 hr/raceway	Drip	0.13 ppm
Romet-30	50 mg/kg of feed	In feed	Negligible
Sodium Bicarbonate	Variable (142-642 mg/L for 5 mins)	Bath in tank	Unknown
Sodium Chloride	3% (19 lbs/66-gal tank)	Bath in tank	Unknown
SLICE (emamectin benzoate)	In feed	In feed	Negligible
Tricaine Methanesulfonate (MS-222)	40 ppm in container	In container	Not discharged