22 May 2026

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NOTICE OF APPLICABILITY; GENERAL WASTE DISCHARGE REQUIREMENTS FOR COLD WATER CONCENTRATED AQUATIC ANIMAL PRODUCTION (CAAP) FACILITY DISCHARGES TO SURFACE WATERS; ORDER R5-2025-0029 (CAAP GENERAL ORDER, NPDES NO. CAG135001); CALIFORNIA DEPARTMENT OF WATER RESOURCES AND CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE; FEATHER RIVER FISH HATCHERY, THERMALITO ANNEX FACILITY; BUTTE COUNTY

The California Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) issued a Notice of Applicability (NOA) to California Department of Water Resources and California Department of Fish and Wildlife (collectively referred to as Discharger) on 22 July 2016 for coverage under the CAAP General Order R5-2014-0161 for the Feather River Fish Hatchery, Thermalito Annex Facility (hereinafter Facility).

On 20 June 2025, the Central Valley Water Board adopted Order R5-2025-0029 renewing the CAAP General Order. The Discharger submitted a Notice of Intent on 31 January 2024 to continue coverage for the Facility under the CAAP General Order. Effective 1 June 2026, this NOA provides continued coverage for the Facility under the CAAP General Order to discharge hatchery wastewater to the Thermalito Afterbay, a reservoir that conveys water to the Feather River, superseding the previous NOA issued on 22 July 2016. CAAP General Order **R5-2025-0029-002** and National Pollutant Discharge Elimination System (NPDES) Permit No. CAG135001 are assigned for this Facility. Please reference your CAAP General Order number **R5-2025-0029-002** in all correspondence and submitted documents. The following enclosures are included as part of this NOA:

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

The enclosed CAAP General Order (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.

I. FACILITY INFORMATION/DISCHARGE DESCRIPTION

The Facility is located at 4700 Highway 99 East, on the western shoreline of the Thermalito Afterbay, in Oroville (near latitude 39.478872° N and longitude 121.688128° W), in Butte County, as shown in Enclosure B of this NOA. The Facility is located on the eastern edge of the Butte Basin Hydrologic Unit No. 520.40. Whereas Thermalito Afterbay, the receiving water, is located in the adjacent Lower Feather River Hydrologic Unit No. 515.40. The Facility is operated by the California Department of Fish and Wildlife (CDFW) and owned by the California Department of Water Resources (DWR). The Facility is a flow through fry-rearing annex to support both the mitigation and enhancement functions of the main Feather River Hatchery for up to 10 months of the year.

In the Notice of Intent, the Discharger reported the predicted 5-year maximum annual harvestable fish production of 77,000 pounds (lbs) of Chinook Salmon, 40,000 lbs of Steelhead Trout, and 35,000 lbs other Trout varieties (Table 1) and the maximum monthly feed use of 17,000 lbs for the Facility.

Table 1. 5-Year Maximum Aquatic Animal Production

Species	5-Year Maximum Annual Harvestable Hatchery Aquatic Animal Production (lbs)
Chinook Salmon	77,000
Steelhead Trout	40,000
Other Trout varieties	35,000

The Facility is supplied with groundwater from five groundwater extraction wells owned by DWR. Groundwater can be pumped from any of the groundwater wells, which changes based on DWR operations. Freshwater flows through a passive aeration tower before entering four parallel concrete raceways; each raceway is 10 feet (ft) wide, 600 ft long, and 4 ft deep (Enclosure C, a part of this NOA). Each

raceway drains directly into one of the two sump basins that are each 25 ft wide, 30 ft long, and 45 ft deep (Enclosure C, a part of this NOA). Each sump basin has two pumps that operate according to hydraulic removal rates such that the water level in the sump basins is maintained at a depth of 6 ft. Other than the sump basins there are no settling basin prior to discharge. Wastewater is pumped from each sump basin, using a pump float system, directly into the discharge pipeline and is pumped over a levee embankment into the Thermalito Afterbay (Discharge Point 001). The estimated maximum discharge flowrate into the Thermalito Afterbay is about 25 cubic feet per second (cfs) or about 16 million gallons per day (mgd). Other ancillary Facility components include a permanent residential trailer, a domestic wastewater holding tank, an office building, a maintenance building, and a small freezer.

Hatchery wastewater is discharged from the Facility into the Thermalito Afterbay, a reservoir that conveys water to the Feather River, at Discharge Point 001, as shown in Enclosure C, a part of this NOA, and as described below:

Discharge Point 001 – Hatchery wastewater from the rearing raceways is pumped from each sump basin and discharged directly into the Thermalito Afterbay at Discharge Point 001, which is located 10 ft beneath the surface of Thermalito Afterbay, approximately 20 ft from the shoreline. Latitude: 39.478661°; and Longitude: -121.687119°.

Potable water is provided from an on-site domestic well. Domestic wastewater from the on-site private residence and office/maintenance building is discharged to a 6,000 gallon holding tank that, whenever necessary, is pumped by a commercial septage hauler.

The Facility has one 1,000-gallon split aboveground petroleum storage tank for diesel and gasoline fuel that has been decommissioned. The Tank is stand-mounted over a concrete pad with secondary containment. No vehicle maintenance is performed on-site.

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 – Applicable to All Discharges to Surface Waters (CAAP General Order Section V.A)

Effluent Limitations are specified in Section V of the CAAP General Order. 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 and Pollution Prevention Plan established in Special Provision VII.C.3 and further explained in Attachment D, Section V.B.2 of the CAAP General Order.

2. Discharges to surface waters shall not exceed the effluent limitations contained in Table 2 below.

Table 2. Effluent Limitations

Parameter	Units	Average Monthly Effluent Limitation	Maximum Daily Effluent Limitation
Formaldehyde	mg/L	0.65	1.3
Chlorine	mg/L	--	0.018
Electrical Conductivity @ 25°C	µmhos/cm	700	--

Table 2 Note. Salinity (CAAP General Order R5-2025-0029 Section V.A.3). The Discharger previously submitted a Notice of Intent to comply with the Salt Control Program. It was determined that the Facility is eligible for the Conservative Permitting Approach. The receiving water, Thermalito Afterbay, is designated with both municipal and domestic supply (MUN) and Agricultural Supply (AGR) beneficial uses. The most stringent salinity effluent limitation is a monthly average electrical conductivity that shall not exceed 700 µmhos/cm. Additional salinity-related parameters (e.g., TDS, chloride, sulfate, and boron) may be monitored as specified in the Monitoring and Reporting Program (Enclosure D).

3. Application of Intake Water Credits (CAAP General Order R5-2025-0029 Section V.A.2) – Not Applicable

B. Effluent Limitations – Applicable to Discharges to Specific Water Bodies (CAAP General Order Section V.B)

1. Final Copper Effluent Limitations – Not Applicable

Copper sulfate is not used at the Facility and there is no reasonable potential for total recoverable copper. Therefore, an effluent limitation for total recoverable copper is not imposed on the Discharger.

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

1. Percolation/Settling Basins – Fish Hatchery Wastes

The Land Discharge Specifications contained in CAAP General Order Section V.C.1 are applicable to this Facility.

2. Domestic Sewage Lagoons/Septic Tank Leachfields – Not Applicable

Domestic wastewater is discharged to a septic tank that is pumped, when necessary, by a commercial septage hauler. Therefore, the Land Discharge Specifications contained in CAAP General Order Section V.C.2 are not imposed on the Discharger.

IV. RECEIVING WATER LIMITATIONS (CAAP GENERAL ORDER SECTION VI)

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

Section VI.A of the CAAP General Order contains no additional surface water limitations. The Discharger shall manage Facility operations and discharges in compliance with the CAAP General Order and all applicable Basin Plan water quality objectives.

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 (CAAP GENERAL ORDER SECTION VII)

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 Enclosure 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 3 below apply to this Facility:

Table 3: 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. Formaldehyde Effluent Limitations (CAAP General Order Section V.A)

Compliance with the effluent limitations for formaldehyde may be evaluated using an estimated effluent concentration in lieu of effluent monitoring data. The estimated effluent concentration shall be calculated as described in CAAP General Order Section IX.A of Attachment C, Monitoring and Reporting Program.

VII. OTHER REQUIREMENTS

A. The discharge from the Facility (Discharge Point 001) shall not exceed a monthly average flow of 16 million gallons per day (mgd).

B. The CAAP General Order expires on **30 July 2030**. Only those CAAP facilities authorized to discharge under the expiring Order and who submit a Notice of Intent (CAAP General Order, Attachment E) 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 (CAAP General Order Section II.B.5).

C. Aquaculture activities defined in 40 C.F.R. 122.25(b) will be subject to the annual fee for general NPDES permits and de minimus discharges that are regulated by individual or general NPDES permits (California Code of Regulations Section 2200(b)(9) for Category 3 discharges) (CAAP General Order Section II.A.1).

D. In accordance with section VII.C.3.a of the CAAP General Order, the Discharger shall certify **within 90 days from the issuance of this NOA** that a Best Management Practices (BMP) Plan has been developed and is being implemented as required by 40 C.F.R. Part 451. To satisfy this requirement the Discharger shall submit a letter to the Central Valley Water Board certifying compliance with the BMP Plan requirements by **90 days from issuance of NOA**. The Discharger can develop a new BMP Plan, or an existing BMP Plan may be modified for use under this requirement. The Discharger shall develop and implement the BMP Plan to prevent or minimize the generation and discharge of wastes and pollutants to waters of the United States and waters of the State and ensure disposal or land application of wastes is in compliance with applicable solid waste disposal regulations. The BMP Plan shall include practices used during salt treatments at the Facility to minimize salinity discharges to the receiving water. The Discharger shall review the BMP Plan annually and must amend the BMP Plan whenever there is a change in the Facility or in the operation of the Facility which materially increases the generation of pollutants or their release or potential release to surface waters.

E. In accordance with section VII.C.3.b of the CAAP General Order, the Discharger shall submit **within 90 days from the issuance of this NOA** a Salinity Evaluation and Minimization Plan (SEMP) as required by the Salt Control Program. The Discharger shall prepare or continue to implement a SEMP to identify and address sources of salinity (e.g., salt treatments) discharged from the Facility to waters of the United States and waters of the State. The Discharger shall evaluate the effectiveness of the SEMP and provide a summary with the Notice of Intent.

F. The California Department of Water Resources (DWR), as owner of the property at which a surface water discharge occurs, is responsible for guaranteeing compliance with the CAAP General Order. The California Department of Fish and Wildlife (CDFW) retains primary responsibility for compliance with the CAAP General Order, including day-to-day operations and monitoring. Enforcement actions will be taken against DWR, only in an event that enforcement actions against CDFW are ineffective.

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 monitoring report submittals, notification of the beginning and end of discharge, questions regarding compliance and enforcement, and questions regarding permitting aspects shall be directed to Marisol Gonzalez of the Central Valley Water Board's NPDES Unit. Marisol Gonzalez can be reached at (530) 224-4204 or by email at Marisol.Gonzalez@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 using the State Water Resources Control Board's California Integrated Water Quality System program website (http://www.waterboards.ca.gov/ciwqs/index.html). 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 requirements that cannot be uploaded to the CIWQS data tables, such as the BMP Plan, should be uploaded as a searchable 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 (centralvalleyredding@waterboards.ca.gov) with the following information:

Attention: NPDES Unit
Discharger: California Department of Fish and Wildlife and California Department of Water Resources
Facility: Feather River Fish Hatchery, Thermalito Annex Facility
County: Butte County
CIWQS Place ID: 263567

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) may be found on the internet or will be provided upon request.

Clint E. Snyder, AEO

Digitally signed by Clint E. Snyder, AEO
Date: 2026.05.22 08:31:19 -07'00'

For PATRICK PULUPA
Executive Officer

MG: cc

Enclosures:
Enclosure A – Administrative Information
Enclosure B – Location Map
Enclosure C – Flow Schematic
Enclosure D – Monitoring and Reporting Program
Enclosure E – Approved Aquaculture Drug and Chemical Use
CAAP General Order R5-2025-0029 (Discharger only)

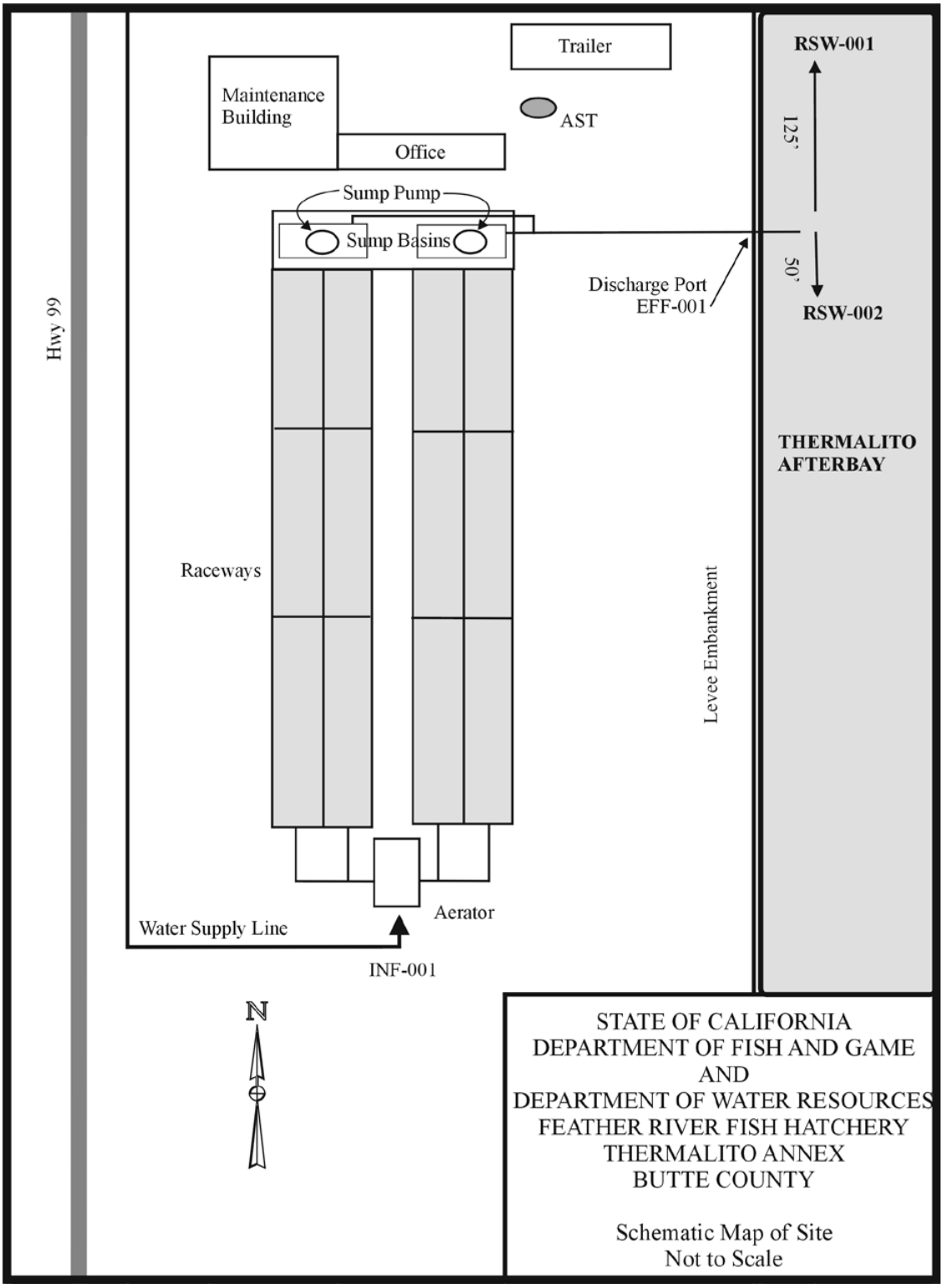
cc electronically:
Peter Kozelka, U.S. EPA Region IX, San Francisco
Prasad Gullapalli, U.S. EPA Region IX, San Francisco
Division of Water Quality, State Water Resources Control Board, Sacramento
Mary Noel, California Department of Fish and Wildlife, Oroville
Nicole (Nikki) Gephart, California Department of Fish and Wildlife, Sacramento
Mike Brown, California Department of Fish and Wildlife, Sacramento
Jason Cosby, California Department of Fish and Wildlife, Oroville
Sabrina Bell, California Department of Water Resources, Oroville
Environmental Health, Butte County, Oroville

ENCLOSURE A - ADMINISTRATIVE INFORMATION

Waste Discharge ID:	5A040804002
CIWQS Facility Place ID:	263567
General Order NOA Enrollee Number:	R5-2025-0029-002
Discharger:	California Department of Fish and Wildlife (Operator) and California Department of Water Resources (Facility and Property Owner)
Name of Facility:	Feather River Fish Hatchery, Thermalito Annex Facility
Facility Address:	4700 Highway 99 East
Facility City, State Zip:	Oroville, CA 95965
Facility County:	Butte County
Facility Contact, Title and Phone Number:	Mary Noel, Fish Hatchery Manager II (530) 538-2222
Landowner:	Department of Water Resources
Landowner Address:	460 Glen Drive
Landowner City, State Zip:	Oroville, CA 95966
Landowner Contact and Phone Number:	Ryan Martin, Environmental Program Manager (530) 534-2324
Authorized Person to Sign and Submit Reports:	Elizabeth Mojica, Senior Environmental Scientist (Supervisor) (916) 584-0659
Mailing Address:	CDFW – Region 2 5 Table Mountain Blvd Oroville, CA 95965
Billing Address:	Same as Mailing Address
Estimated Annual Total Weight Produced:	152,000 pounds/year
Type of Facility:	CAAP 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:	16 million gallons per day (mgd)
Watershed:	Butte Basin Hydrologic Unit 520.40 (Facility) and Lower Feather River Hydrologic Unit 515.40 (Receiving Water)
Receiving Water:	Thermalito Afterbay, a reservoir that conveys water to the Feather River
Receiving Water Type:	Inland surface water

ENCLOSURE B – LOCATION MAP

ENCLOSURE C – FLOW SCHEMATIC



ENCLOSURE 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 Enclosure D.

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

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 Enclosure C, part of this NOA.

Table D-1. Monitoring Locations

Discharge Point Name	Monitoring Location Name	Monitoring Location Description
--	INF-001	Influent shall be collected at a location where a representative sample can be obtained, prior to source groundwater entering the aeration tower. Latitude: 39.476711° N – Longitude: 121.688333° W
001	EFF-001	Effluent shall be collected from the sampling port installed in the discharge pipeline prior to hatchery wastewater discharge to Thermalito Afterbay. Samples collected from the sampling port will be considered well mixed and representative of the discharge. Latitude: 39.478661° N – Longitude: 121.687119° W
--	RSW-001	A representative upstream receiving water sample shall be collected at a safe location in Thermalito Afterbay approximately 125 feet north of Discharge Point 001. Latitude: 39.479000° N – Longitude: 121.687122° W

Discharge Point Name	Monitoring Location Name	Monitoring Location Description
--	RSW-002	A representative downstream receiving water sample shall be collected at a safe location in Thermalito Afterbay approximately 50 feet south of Discharge Point 001. Latitude: 39.478528° N – Longitude: 121.687114° W

Table D-1 Note. The North latitude and West longitude information in Table D-1 are approximations for administrative purposes.

III. INFLUENT MONITORING REQUIREMENTS (CAAP GENERAL ORDER, ATTACHMENT C, SECTION III)

A. When the Facility is in operation and there is a discharge at Discharge Point 001, the Discharger shall monitor the influent to the Facility at Monitoring Location INF-001 for the frequencies/parameters specified in Table D-2 below. Influent 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
Total Suspended Solids (TSS)	mg/L	Grab	1/month

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

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. 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).

B. Influent Monitoring for Facilities with Intake Water Credits – Not Applicable

IV. EFFLUENT MONITORING REQUIREMENTS (CAAP GENERAL ORDER, ATTACHMENT C, SECTION IV)

A. When the Facility is in operation and there is a discharge at Discharge Point 001, the Discharger shall monitor the effluent from the Facility at Monitoring Location EFF-001 for the frequencies/parameters 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
Formaldehyde	mg/L	Grab	1/month during Formalin use
Chlorine	mg/L	Grab	1/quarter during chlorine use

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. Additional monitoring may be conducted to

ensure compliance with monthly electrical conductivity limitation.

3. 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).

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 (CAAP General Order, Attachment F). See CAAP General Order, Attachment C, 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. Per CAAP General Order, Attachment C, Section IX.A, the Discharger shall report all **aquaculture drug and chemical** use as part of the **Monthly Drug and Chemical Use Report** (CAAP General Order, Attachment F) that is submitted on a quarterly basis.

6. **Total chlorine residual** must be monitored with a method sensitive to and accurate at the permitted level of 0.018 mg/L.

7. **Total Suspended Solids** (TSS) samples shall be collected during the expected month of highest feeding.

B. Effluent Monitoring for Facilities with Intake Water Credits – Not Applicable

V. WHOLE EFFLUENT TOXICITY TESTING REQUIREMENTS (CAAP GENERAL ORDER, ATTACHMENT C, SECTION V) – NOT APPLICABLE

VI. LAND DISCHARGE MONITORING REQUIREMENTS (CAAP GENERAL ORDER, ATTACHMENT C, SECTION VI) – NOT APPLICABLE

VII. RECLAMATION MONITORING REQUIREMENTS (CAAP GENERAL ORDER, ATTACHMENT C, SECTION VII) – NOT APPLICABLE

VIII. RECEIVING WATER MONITORING REQUIREMENTS – SURFACE WATER (CAAP GENERAL ORDER, ATTACHMENT C, SECTION VIII)

A. Sampling Locations. When the Facility is in operation and there is a discharge at Discharge Point 001, receiving water samples shall be collected from Monitoring Locations RSW-001 and RSW-002 for the

frequencies/parameters specified in Table D-4 below. Receiving water samples shall be collected at approximately the same time as influent and effluent samples.

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:

1. Floating or suspended matter
2. Discoloration
3. Bottom deposits
4. Aquatic life
5. Visible films, sheens, or coatings
6. Fungi, slimes, or objectionable growths
7. 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

Table D-4 Testing Requirements. 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.

IX. OTHER MONITORING REQUIREMENTS (CAAP GENERAL ORDER, ATTACHMENT C, SECTION IX)

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. This monitoring is only required if a discharge to surface water occurs during the term of the permit. **The monitoring shall occur beginning on or after 1 January 2027, but no later than 1 January 2029.** The Discharger shall electronically submit the priority pollutants metals monitoring results using the State Water Board's California Integrated Water Quality System (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. Other Characterization Monitoring. To ensure that receiving water beneficial uses are protected, the Discharger shall monitor the effluent (Monitoring Location EFF-001) and the upstream receiving water (Monitoring Location RSW-001) for *Escherichia coli* once during the term of the CAAP General Order (CAAP General Order, Attachment C, Section IX.C). This monitoring is only required if a discharge to surface water occurs during the term of the permit. **The monitoring shall occur beginning on or after 1 January 2027, but no later than 1 January 2029.** The Discharger shall electronically submit the *E. coli* monitoring results using the State Water Board's California Integrated Water Quality System (CIWQS) Program Web site (http://www.waterboards.ca.gov/water_issues/programs/ciwqs) **within 60 days of the final sampling event**. 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).

D. 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.D. 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.

X. REPORTING REQUIREMENTS (CAAP GENERAL ORDER, ATTACHMENT C, SECTION X)

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 June 2026**. 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 August 2026** and shall include monitoring conducted from 1 June through 31 July. 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 May 2026	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 April 2026	1 January through 31 March 1 April through 30 June 1 July through 30 September 1 October through 31 December	1 May 1 Aug 1 Nov 1 Feb of following year
1/year	1 January 2026	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 **60 days from of issuance of the NOA**. The Analytical Methods Report shall include the following for each constituent to be monitored in accordance with the CAAP General Order, Attachment C, section X.C.1: 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**. Per CAAP General Order, Attachment C, Section X.C.2, 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 the Analytical Methods Report requirement. The tool will include the Analytical Methods Report Certification form, which will acknowledge the scheduled start date of the Priority Pollutant Metals 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.

3. **Salinity Evaluation and Minimization Plan (SEMP)**. As specified in this NOA Section VII.E, the Discharger shall submit a SEMP **within 90 days from the issuance of this NOA** to ensure adequate measures are developed and implemented by the Discharger to reduce the discharge of salinity and by which the Discharger will minimize any increase in effluent salinity (CAAP General Order, Attachment C, Section X.C.3).

ENCLOSURE E – APPROVED AQUACULTURE DRUGS AND CHEMICALS USE

In accordance with CAAP General Order Section VII.C.2.a and the Discharger's Notice of Intent, the following drugs and chemicals are authorized for use 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. Authorized Aquaculture Drugs and Chemicals Use

Drug or Chemical, Treatment	Maximum Daily Amount Used	Method of Application	Maximum Amount in Effluent
Acetic acid, parasiticide	335-500 ppm 500-2,000 ppm	Flush Bath	--
Amoxicillin trihydrate, antibiotic	40 mg/kg	Injected intraperitoneally	None/ND
Aqui-S®E & Aqui-S®20E, anesthetic/sedative	10-100 mg/L	Bath	--
Carbon Dioxide, anesthetic	Bubbled in water until effective	Bath	--
Chloramine-T (Halamid® Aqua), antimicrobial	10 ppm	Flush Bath	0.55 to 10 ppm
Chorulon® – Chorionic Gonadotropin, spawning	50-1816 IU/lb	Intramuscular injection	None/ND
Enteric Redmouth (ERM) Vaccine, yersiniosis treatment	--	Dip	--
Epsom Salt (Magnesium Sulfate), treat trematode and crustacean infestations	--	Feed	ND

Drug or Chemical, Treatment	Maximum Daily Amount Used	Method of Application	Maximum Amount in Effluent
Erythromycin, antibiotic	40 mg of drug per kg of fish body weight at 30 day intervals. Also used in medicated feed or fish pills at a rate of 100 mg of drug per kg of fish body weight	Injected intraperitoneally Medicated Feed/Fish Pills	None/ND Negligible/ND
Florfenicol (Aquaflor®), antibiotic	10 mg of drug per kg of fish body weight per day	Medicated Feed	Negligible/ND
Formalin (37% formaldehyde), fungus or parasite treatment	25 ppm	Bath Eggs	1.38 to 25 ppm
Hydrogen Peroxide (35%), fungal and bacterial infections	100 ppm or less	Flush Bath Eggs	5.6 to 100 ppm
Ivermectin, parasite control	--	Intramuscular injection	None/ND
MS-222 / tricaine Methanesulfonate (Finquel®, Tricaine-S®), anesthetic	50-250 mg/L	Bath	N/A
Ovaplant® Salmon Gonadotropin-releasing hormone analogue (sGnRHa), spawning	--	Dorsal injection pellet-implant	None/ND
Oxytetracycline dihydrate (Terramycin® 200 for Fish), antibiotic	100 ppm or approximately 270 grams per 600 gallon tank	Additive to feed	Negligible/ND

Drug or Chemical, Treatment	Maximum Daily Amount Used	Method of Application	Maximum Amount in Effluent
Oxytetracycline hydrochloride HCl (TERRAMYCIN 343, PENNOX 343, OXY Marine™,and TETROXY 343, TETROXY Aquatic), skeletal marker	--	Bath	--
Penicillin G Potassium, antibiotic	150 IU/mL (500,000,000 IU per 311.8 grams) ~ 100 ppm	Bath	2.6 ppm
Potassium Permanganate (Cairox™), control parasite, bacteria, and fungus infections	Flush: 2 ounces per cfs Bath: 2 ppm	Flush Bath	Flush: 0.13 to 2.23 ppm Bath: 0.11 to 2 ppm
PVP Iodine, egg disinfectant	--	Bath/Eggs in container	--
SLICE (emamectin benzoate; 0.2% aquaculture premix), copepod treatment	--	Medicated feed	Negligible/ND
Sodium bicarbonate, source of carbon dioxide to anesthetize fish	142-642 mg/L	Bath	--
Sodium chloride (salt), osmoregulation reduce stress	150-200 lbs/cfs	Flush Bath	200 to 3,600 ppm
Sulfadimethoxine-ormetoprim (Romet-30®), antibiotic	50 mg of drug per kg of fish body weight per day	Additive to feed	Negligible/ND
Vibrio Vaccine, vibriosis protection	--	Dip	--