26 October 2023

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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 R5-2019-0079 (CAAP GENERAL ORDER, NPDES NO. CAG135001), MOUNT LASSEN TROUT FARMS, INC., AND LONG RANCH, LLC, MOUNT LASSEN TROUT FARMS' WILLOW SPRINGS FACILITY, TEHAMA COUNTY

The California Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) issued a Notice of Applicability (NOA) to Mt. Lassen Trout Farms, Inc., and Long Ranch, LLC (hereinafter Discharger) on 9 January 2017 for coverage under the CAAP General Order for the Mt. Lassen Trout Farms' Willow Springs 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 4 October 2019 to continue coverage for the Facility under the CAAP General Order. Effective **1 December 2023**, this NOA provides continued coverage for the Facility under the CAAP General Order to discharge to an unnamed tributary of the Coleman Canal, superseding the previous NOA issued 9 January 2017. CAAP General Order R5-2019-0079-013 and National Pollutant Discharge Elimination System (NPDES) Permit No. CAG135001 are assigned for this Facility. Please reference your CAAP General Order number **R5-2019-0079-013** in all correspondence and submitted documents. The following enclosures are included as part of this NOA:

1. Enclosure A - Administrative Information
2. 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 off Wildcat Road near 40° 24' 22.11" N latitude and 121° 58' 21.38" W longitude, approximately six miles southwest of Manton, California in Tehama County (Section 33, T30N, R1W, MDB&M), as shown in Enclosure B of this NOA. The Facility is operated by Mt. Lassen Trout Farms, Inc. on property owned by Long Ranch, LLC. The Facility is a flow through system that annually produces approximately 40,000-80,000 pounds of rainbow trout.

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 14,000 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	40,000 – 80,000

Freshwater is diverted from Willow Springs to the Facility via a conduit at a maximum rate of approximately 11.6 cubic feet per second (cfs) or about 7.5 million gallons per day (mgd). The Discharger does not control water flow rates to the Facility because spring resurgence is variable and depends on basin recharge and hydrologic aquifer properties; consequently, flow rates will often fluctuate. Spring resurgence from Willow Springs enters four defined raceways (split into five in-line quiescent zones per raceway) and two settling ponds. Following treatment, hatchery wastewater enters an unnamed tributary to the Coleman Canal and/or an irrigation ditch, as shown in Enclosure C, a part of this NOA; the discharge can be diverted into an irrigation ditch when agricultural water demand exists.

Solids are removed from the raceways using a vacuum pump and are subsequently discharged to the settling basins.

Outfall 001 – Hatchery wastewater from the raceways enters one of two settling ponds before being discharged (Latitude: 40° 24' 24.56" N; and Longitude: 121° 58' 22.03" W) into an unnamed tributary of the Coleman Canal and/or an irrigation ditch.

Domestic wastewater from a private residence is discharged to a septic tank/leachfield system.

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 formaldehyde and chlorine. The following effluent limitations are applicable to this discharge and are contained in Section V.A of the CAAP General Order:

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

Table 2. Effluent Limitations

Parameter	Units	Average Monthly Effluent Limitation	Maximum Daily Effluent Limitations
Formaldehyde	mg/L	0.65	1.3
Chlorine	mg/L	--	0.018

2. 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 of the CAAP General Order.

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 utilized 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)

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)

Discharge from the Facility to an unnamed tributary of the Coleman Canal (a tributary to Battle Creek) is within the Sacramento and San Joaquin River Basins, therefore, the receiving water limits contained in the CAAP General Order for the Sacramento and San Joaquin River Basins 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 and VI.B.6.b) – Per CAAP General Order Section VI.A.6.a.iii., the dissolved oxygen concentration in the Coleman Canal shall not be reduced below 7.0 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);
- 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);
- Total Dissolved Solids (VI.A.18.a and VI.A.18.b) – Not Applicable;
- 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 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)

A. Formaldehyde Effluent Limitations (CAAP General Order Section V.A.1)

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 the 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 7.5 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.

The Executive Officer grants an extension to the deadline prescribed in the CAAP General Order (above); if a complete Notice of Intent is submitted **180 days** prior to the expiration date of the CAAP General Order the Facility shall remain authorized to discharge under the administratively continued permit conditions.

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).

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. To satisfy this requirement the Discharger shall submit a letter to the Central Valley Water Board certifying compliance with the BMP Plan requirements by **29 February 2024**. 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. Long Ranch, LLC, as owner of the property at which a surface water discharge occurs, is responsible for guaranteeing compliance with the CAAP General Order. Mt. Lassen Trout Farms, Inc., retains primary responsibility for compliance with the CAAP General Order, including day-to-day operations and monitoring. Enforcement actions will be taken against Long Ranch, LLC, only in an event that enforcement actions against Mt. Lassen Trout Farms, Inc. 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 Erin Jonasson of the Central Valley Water Board's NPDES Unit. Erin Jonasson can be reached at (530) 224-6128 or by email at Erin.Jonasson@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 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 (centralvalleyredding@waterboards.ca.gov) with the following information:

- Attention: NPDES Unit
- Discharger: Mt. Lassen Trout Farms, Inc.
- Facility: Willow Springs Facility
- County: Tehama County
- CIWQS Place ID: 272687

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.

Original signed by Clint E. Snyder
(for) Patrick Pulupa
Executive Officer

EJ: vt

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 R5-2019-0079 (Discharger only)

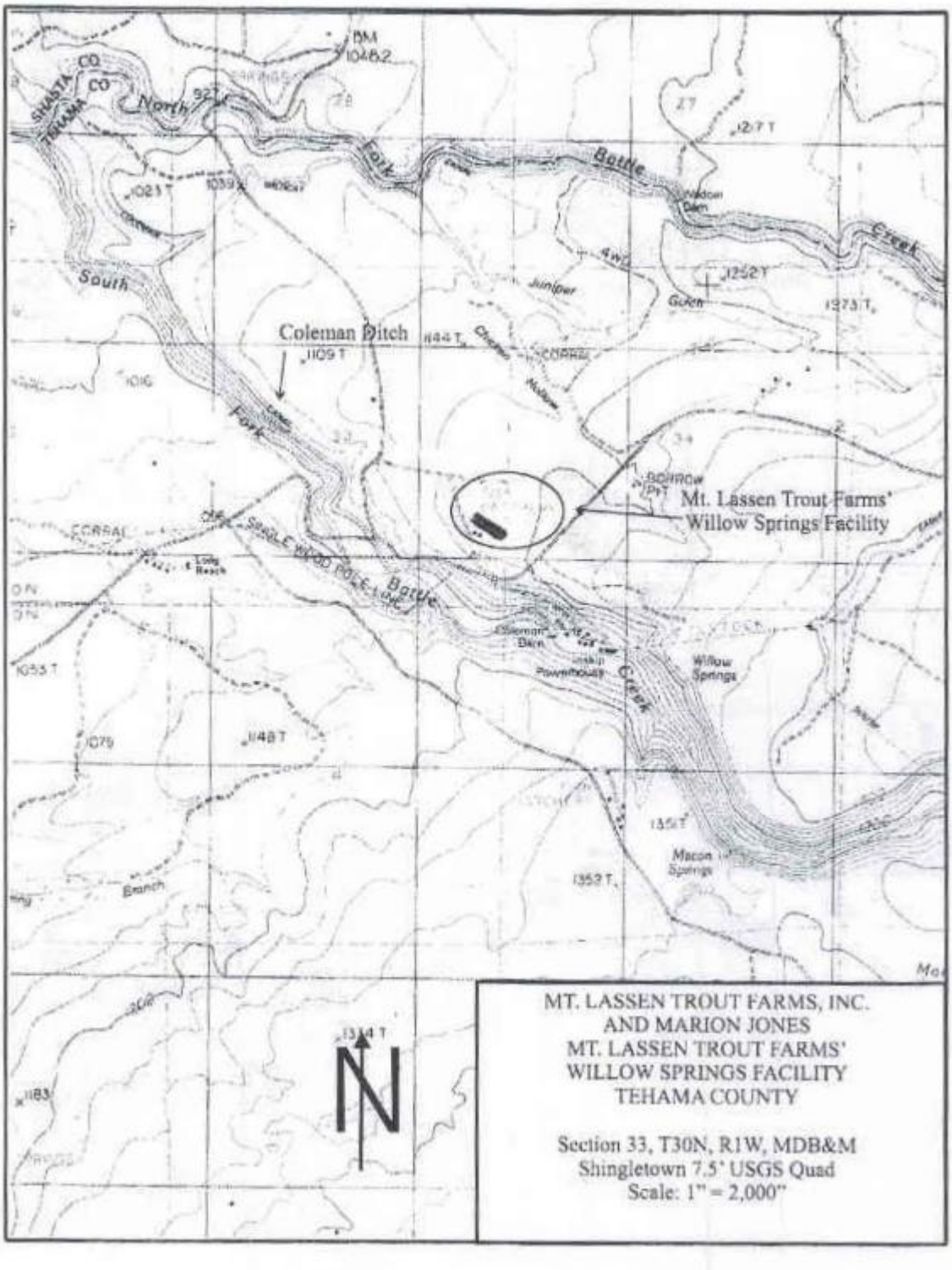
cc electronically:

Elizabeth Sablad, U.S.EPA, Region IX, San Francisco
Prasad Gullapalli, U.S. EPA Region IX, San Francisco
Division of Water Quality, State Water Board, Sacramento
Tia Branton, Tehama County Dept. of Environmental Health, Red Bluff

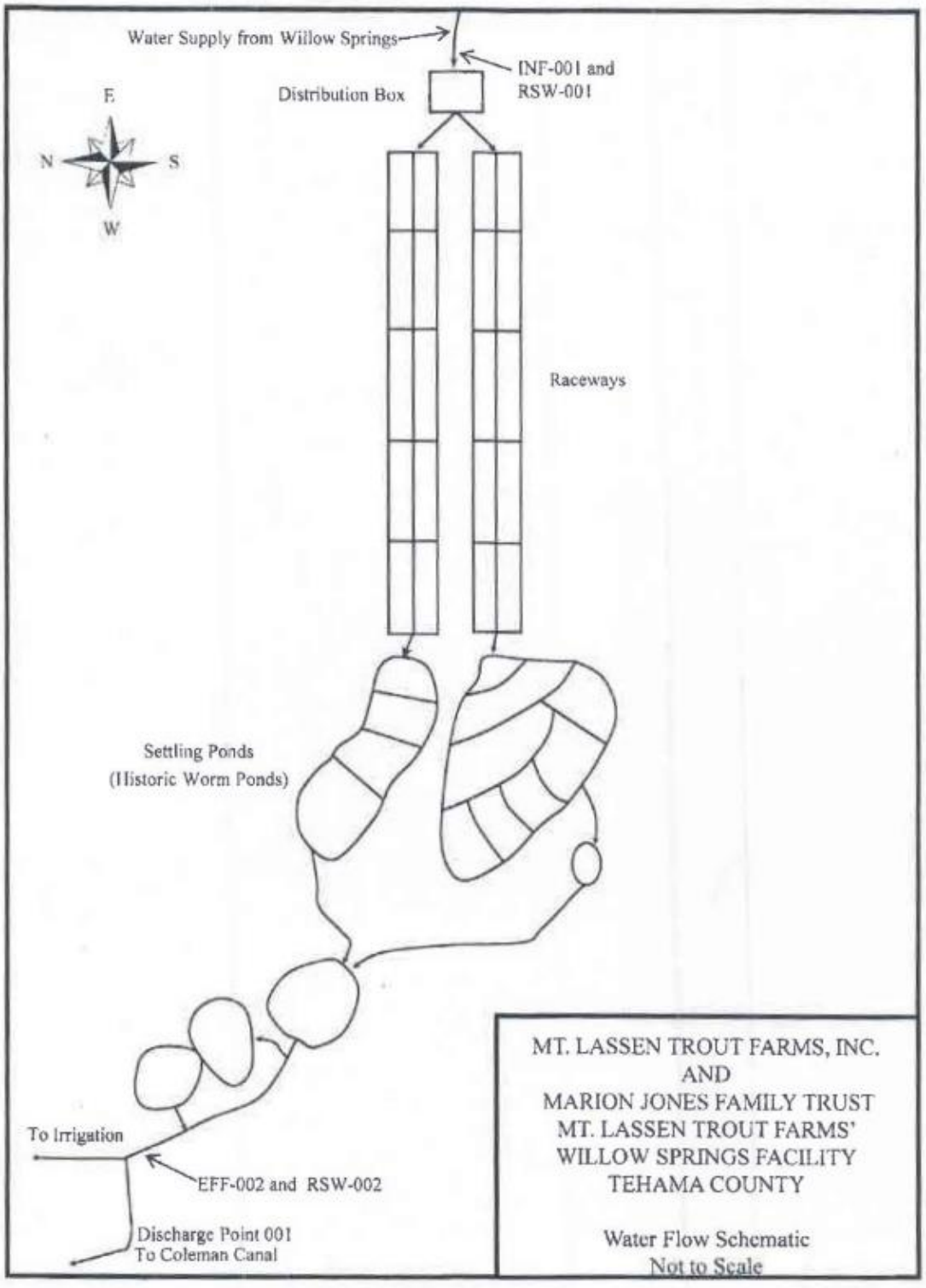
ENCLOSURE A - ADMINISTRATIVE INFORMATION

Waste Discharge ID:	5A521004002
CIWQS Facility Place ID:	272687
General Order NOA Enrollee Number:	R5-2019-0079-013
Discharger:	Mt. Lassen Trout Farms, Inc. (Facility Owner/Operator) and Long Ranch, LLC (Land Owner)
Name of Facility:	Willow Springs Facility
Facility Address:	Intersection of Wildcat Road and A6 Latitude: 40° 24' 22.11" N Longitude: 121° 58' 21.38" W
Facility City, State Zip:	Paynes Creek, CA
Facility County:	Tehama County
Facility Contact, Title and Phone Number:	Phil Mackey, President (530) 474-1900
Landowner:	Long Ranch, LLC
Landowner Address:	28010 Manton Road
Landowner City, State Zip:	Paynes Creek, CA 96075
Landowner Contact and Phone Number:	Neita Reid
Authorized Person to Sign and Submit Reports:	Phil Mackey, President (530) 474-1900
Mailing Address:	Phil Mackey, President Mt. Lassen Trout Farms, Inc. 20560 Lanes Valley Road Paynes Creek, CA 96075
Billing Address:	Same as Mailing Address
Estimated Annual Total Weight Produced:	40,000 – 80,000 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:	7.5 million gallons per day (mgd)
Watershed:	Sacramento River Basin
Receiving Water:	Unnamed tributary of Coleman Canal, a tributary to Battle Creek
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 is the category of production of less 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 less than 100,000 pounds of aquatic animals produced per year (Attachment C - Sections Ill.B, IV.A.2, and VIII.D, 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 to 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 resurgence water entering the Facility [Approximate location: 40°24'21.14" N latitude and 121°58'15.72" W longitude].
001	EFF-001	Hatchery wastewater shall be collected and sampled after the last point of hatchery wastewater treatment and prior to hatchery wastewater entering an unnamed tributary to the Coleman Canal [Approximate location: 40°24'24.56" N latitude and 121°58'22.03" W longitude].
--	RSW-001	Hatchery wastewater enters an unnamed irrigation ditch that meanders through agricultural land not under the Discharger's control. Agricultural land may have grazing animals and other potential external influences affecting water quality in the unnamed tributary. In lieu of receiving water monitoring in Battle Creek and the unnamed tributary to the Coleman Canal, the Discharger may use data from Monitoring Location INF-001 for RSW-001.

Discharge Point Name	Monitoring Location Name	Monitoring Location Description
--	RSW-002	Hatchery wastewater enters an unnamed irrigation ditch that meanders through agricultural land not under the Discharger's control. Agricultural land may have grazing animals and other potential external influences affecting water quality in the unnamed tributary. In lieu of receiving water monitoring in Battle Creek and the unnamed tributary to the Coleman Canal, the Discharger may use data from Monitoring Location EFF-001 for RSW-002.

III. INFLUENT MONITORING REQUIREMENTS (CAAP General Order, Attachment C, Section III.B)

A. When there is a discharge at Outfall 001, the Discharger shall monitor influent to the Facility at monitoring location INF-001 for the frequencies/parameters shown below in Table D-2. Influent samples shall be collected at approximately the same time as effluent samples.

Table D-2. Influent Monitoring

Parameter	Units	Sample Type	Minimum Sampling Frequency
pH	S.U.	Grab	1/quarter
Electrical Conductivity @ 25 degrees Celsius	µmhos/cm	Grab	1/quarter
Total Suspended Solids	mg/L	Grab	1/year

Table D-2 Testing Requirements. The Discharger shall comply with the following testing requirements when monitoring for the 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.2)

A. When the Facility is in operation and there is a discharge from Outfall 001, the Discharger shall monitor the effluent at Monitoring Location EFF-001 for the frequencies/parameters specified below in Table D-3. Effluent samples shall be collected at approximately the same time as influent samples and shall be representative of the volume and quality of the discharge.

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/year
Net TSS (effluent minus influent)	mg/L	Net Calculation	1/year
Turbidity	NTU	Grab	1/quarter
pH	S.U.	Grab	1/quarter
Electrical Conductivity @ 25 degrees Celsius	µmhos/cm	Grab	1/quarter
Formaldehyde	mg/L	Grab	1/quarter during Formaldehyde 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 quarterly. If sodium chloride is used, the quarterly monitoring of electrical conductivity shall be conducted during treatment.

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 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. LAND DISCHARGE MONITORING REQUIREMENTS (CAAP General Order, Attachment C, Section VI)

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 – SURFACE WATER (CAAP General Order, Attachment C, Section VIII)

A. Sampling Locations. When the facility is in operation and there is a discharge at Outfall 001, receiving water samples shall be collected from Monitoring Locations RSW-001 and RSW-002, for the frequencies/parameters as specified in Table D-4 below. Receiving water samples shall be collected at approximately the same time as 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:

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 self-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/quarter
Temperature	Degrees C	Grab	1/quarter
Turbidity	NTU	Grab	1/quarter
pH	S.U.	Grab	1/quarter
Electrical Conductivity @ 25 degrees Celsius	µmhos/cm	Grab	1/quarter

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.

VII. 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. **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 (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).

Due to the issuance date of the NOA being past 1 January 2023, the Priority Pollutant Metals Monitoring **shall occur no later than 6 months following the effective date of the NOA.**

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 (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 December 2023**. 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 2024** and shall include monitoring conducted from 1 December 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 December 2023	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 December 2023	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 December 2023	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 **30 January 2024**. 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.

ENCLOSURE E – APPROVED AQUACULTURE DRUGS AND CHEMICALS USE

Drugs and chemicals are used at the Facility to prevent/medicate fish for any potential contamination by bacteria, fungi, viruses and pathogens, and to reduce the spread of disease among the confined fish population. Some chemicals may be used to clean Facility treatment/operation components.

The Discharger has informed the Central Valley Water Board of chemicals that may be used at the Facility (see below list). The Discharger does not have estimates or application methods because the chemicals are not used regularly or have not been used in existing operations.

- Formaldehyde as Formalin
- Hydrogen Peroxide
- Potassium Permanganate
- Tricaine Methanesulfonate (MS 222)
- Chloramine-T
- Povidone-iodine (PVP-I)
- Sodium Chloride
- Acetic Acid
- Chlorine
- Copper Sulfate
- SLICE
- Oxytetracycline
- Penicillin G.
- Amoxycillin trihydrate
- Erythromycin
- Florfenicol
- Romet-30®
- Vibrio Vaccine
- Enteric Redmouth Bacteri