



**California Regional Water Quality Control Board
Central Valley Region
Katherine Hart, Chair**



Linda S. Adams
Acting Secretary for
Environmental Protection

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Edmund G. Brown Jr.
Governor

10 March 2011

CERTIFIED MAIL

7010 1670 0002 0652 2043

Tom Hoover
Jackson Valley Irrigation District
6785 Lake Amador Drive
Ione, CA 95640

CERTIFIED MAIL

7010 1670 0002 0652 2036

Robert Lockhart
Lake Amador Fish Hatchery
7500 Lake Amador Drive
Ione, CA 95640

**NOTICE OF APPLICABILITY; GENERAL WASTE DISCHARGE REQUIREMENTS FOR
COLD WATER CONCENTRATED AQUATIC ANIMAL PRODUCTION FACILITY
DISCHARGES TO SURFACE WATERS; JACKSON VALLEY IRRIGATION DISTRICT AND
FANBASSTIC INC., LAKE AMADOR FISH HATCHERY, AMADOR COUNTY**

Fanbasstic Inc. owns and operates the Lake Amador Fish Hatchery (hereafter Facility). The property is owned by the Jackson Valley Irrigation District. Fanbasstic Inc. and Jackson Valley Irrigation District (District) are hereafter designated as the Discharger. The California Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) has reviewed the Report of Waste Discharge (ROWD) dated 28 December 2005 and supplemental information dated 15 March 2006, 27 April 2006, and 14 February 2011, requesting Waste Discharge Requirements (WDRs) and National Pollution Discharge Elimination System (NPDES) permit for discharge to surface waters. The Application was deemed complete on 15 February 2011.

On 29 January 2010, General Order No. R5-2010-0018, (NPDES No. CAG135001), Waste Discharge Requirements for Cold Water Concentrated Aquatic Animal Production Facility Discharges to Surface Waters (General Order) was adopted by the Central Valley Water Board. The General Order regulates the discharge of pollutants from Cold Water Concentrated Aquatic Animal Production facilities (CAAP facilities) to surface waters in the Central Valley Region. The Facility discharge meets the conditions for coverage under the General Order.

The Discharger has been assigned an enrollee number of R5-2010-0018-016. Administrative information for the Facility is provided in Attachment A, a part of this Notice of Applicability (NOA).

The CAAP facility operations and discharge shall be managed in accordance with the requirements contained in the General Order, this NOA, and with the information submitted by the Discharger. The General Order (enclosed) may also be viewed at the following web address:

California Environmental Protection Agency

http://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/r5-2010-0018_npdes.pdf

You are urged to familiarize yourself with the contents of the entire General Order. Attachment C of the General Order prescribes mandatory monitoring requirements.

FACILITY INFORMATION/DISCHARGE DESCRIPTION

The Facility is located at 7500 Lake Amador Drive, downstream of Lake Amador on Assessor's Parcel Number 012-005-020, as shown in Attachment B, a part of this NOA. The property is owned by the District and the Facility is owned and operated by Fanbasstic Inc. The Facility consists of the following: twenty 50 gallon egg and fry tanks that can accommodate up to a maximum production of 100,000 fish per year; twenty-four 2,000 gallon rectangular rearing tanks with a capacity to accommodate up to a maximum of 24,000 pounds (lbs) of fish at any given time; four 55,000 gallon octagonal rearing tanks and two 40,000 gallon Brood stock tanks, which can accommodate up to 20,000 lbs and 10,000 lbs of fish, respectively; and one 750,000 gallon rearing pond that can accommodate up to a maximum of 40,000 lbs of fish with no additional oxygen added. All rearing tanks, ponds, settling areas, area capacities and measurements are listed in the Facility Schematic, Attachment C, a part of this NOA. Each octagonal tank has a sweep arm for collecting bottom solids. All other tanks are cleaned manually. Based on supplemental information dated 14 February 2011, the Facility has an annual production of 140,000 lbs of cold water species (hybrid rainbow trout).

The Facility receives its source water from Lake Amador delivered through the District's main pipelines. The Facility injects liquid oxygen into the water at a concentration of 15-40 mg/L. The high concentration of oxygen allows for the conversion of ammonia to nitrates and limits the production of algae. The Facility has a maximum flow rate of 1.73 million gallons per day (mgd) of flow-through water. The solids from the four octagons, two brood stock tanks, and 24 rectangular tanks are discharged to settling ponds #1 and #2 as shown in Attachment C. After settling, the wastewater is discharged to a 750,000 gallon rearing pond which discharges to eight 2,000 gallon heavy solid settling tanks. After settling the heavy solids, the wastewater is discharged to settling pond #3. From settling pond #3, the wastewater is discharged to a diffusion area at Discharge Point 001, approximate Latitude 38°18'12"N and Longitude 120°53'26"W. The diffusion area evenly disperses the water through a 20 acre shale stilling basin, which works as a large bio-filter to utilize the actions of natural forming organisms such as Nitrosomus and Nitrobacter that combine to convert ammonia to nitrates and reduce any surplus solids. The shale stilling basin is also an extension of Jackson Creek that receives overflow from the dam during wet weather and is a continuously maintained wetlands area resulting from the hatchery discharge.

Wastewater from the shale stilling basin is discharged to Jackson Creek through a pair of concrete drainage canals beneath the main entrance road to Lake Amador at Discharge Point 002, approximate Latitude 38°18'13.13"N and Longitude 120°53'41.38"W. Effluent samples are collected upstream of the concrete drainage canals at Discharge Point 002. Jackson Creek is in the Sutter Creek Hydrologic Area (532.40) of the Middle Sierra Hydrologic Unit (532.00) of the San Joaquin Hydrologic Basin. Jackson Creek flows into Dry Creek within the Herald Hydrologic Subarea (531.11) of the Lower Cosumnes-Dry Creek

Hydrologic Area (531.10) of the North Valley Floor Hydrologic Unit (531.00) of the San Joaquin Hydrologic Basin. Dry Creek flows into the Mokelumne River within the San Joaquin Delta Hydrologic Unit (544.00) of the San Joaquin Hydrologic Basin.

The Discharger reports use of sodium chloride (salt), formalin, and occasionally copper sulfate to treat the fish. Salt, when used, is primarily for small fish under 6" and normally no more than 25 lbs of salt is discharged every other day for four months per year. Formalin is primarily used on a larger fish in the winter months only. Copper sulfate may also be used occasionally. Additional chemicals, antibiotics and other therapeutic drugs listed in the General Order may be used during periods of disease outbreaks.

MONITORING REQUIREMENTS

The General Order requires that dischargers comply with the Monitoring and Reporting Program that is incorporated as Attachment C to the General Order. Influent, effluent, and receiving water monitoring requirements are based on the pounds of fish produced. This Facility is in the category of production greater than 100,000 lbs of fish.

The Discharger conducted priority pollutant monitoring on 6 March 2006 for the effluent discharge prior to entering the concrete drainage canal at Discharge Point 002. The data indicate that there is no reasonable potential to cause or contribute to an exceedance of water quality objectives for priority pollutants.

The Lower 28 miles of the Mokelumne River from Camanche Reservoir toward the Delta have been identified as a Water Quality Limited Segment for copper and zinc under the Clean Water Act 303(d) List of impaired water bodies. The Discharger reports that the Facility occasionally uses copper sulfate but, the Facility's operations are not expected to contribute to an increase in the copper concentration to the Mokelumne River. The General Order contains effluent limitations and mandatory monitoring for copper once a month during copper sulfate usage. However, monitoring for the remaining priority pollutant metals is only required once during the term of the General Order.

Site-specific monitoring locations for influent, effluent and receiving water monitoring are shown in Attachment C to this NOA (Facility schematic), and as described in the following table:

Monitoring Location Descriptions

Point Name	Monitoring Location Name	Monitoring Location Description
Influent	INF-001	At a location representative of influent water to the Facility from Lake Amador to the hatchery.
Discharge Point 001	EFF-001	At a location downstream of the settling pond # 3, prior to discharge into the Diffusion Area at Discharge Point 001.
Discharge Point 002	EFF-002	At a location downstream of the Shale Stilling Basin, prior to discharge into the concrete drainage canal at Discharge Point 002.
Receiving Water Upstream	RSW-001	At a location in Jackson Creek 100 feet upstream of Discharge Point 002.
Receiving Water Downstream	RSW-002	At a location in Jackson Creek 100 feet downstream of Discharge Point 002.

NOTICE OF APPLICABILITY REQUIREMENTS

Based on the information provided in the ROWD, the Discharger is hereby authorized to discharge to Jackson Creek under the terms and conditions of General Order R5-2010-0018. In addition to the requirements contained in the General Order, the following shall also apply:

1. The discharge from the Facility shall not exceed a daily average flow of 1.73 mgd during the effective period of the General Order.
2. The Discharger is required to comply with all the Monitoring and Reporting Requirements contained in Attachment C to the General Order for facilities with production greater than 100,000 lbs of fish.
3. The Discharger shall electronically submit Self-Monitoring Reports (SMRs) using the State Water Resources Control Board's California Integrated Water Quality System (CIWQS) Program website (<http://www.waterboards.ca.gov/ciwqs/index.html>). The CIWQS website will provide directions for SMR submittal in the event there will be service interruption for electronic submittal.
4. The State Water Resources Control Board (State Water Board) has determined that individual or general permits for aquaculture activities defined in 40 CFR 122.25(b) will be subject to the same annual fee, which currently is \$1,000 (State Water Board Resolution 2002-0150), but may be subject to change.
5. The General Order expires on 1 January 2015, and enrollees will continue to be authorized to discharge until coverage becomes effective under a reissued Order or until Central Valley Water Board staff formally terminates your coverage. Only those CAAP facilities authorized to discharge and who submit a Notice of Intent at least 180 days prior to the expiration date of General Order No. R5-2010-0018 will remain authorized to discharge under administratively continued permit conditions.

Failure to comply with the General Order and this NOA may result in enforcement actions, which could include administrative civil liability. Effluent limitation violations and some late reporting violations are subject to a Mandatory Minimum Penalty (MMP) of \$3,000 per violation [California Water Code Sections 13385(h) and (i)]. If you have no discharge during a monitoring period, you must submit a report indicating that no discharge occurred. You must notify the Central Valley Water Board staff within 24 hours of noncompliance or anticipated noncompliance.

Please reference your enrollee number, **R5-2010-0018-016**, in all your correspondence and submitted documents.

If you have any questions regarding this NOA please contact, Anand Mamidi, at (916) 464-4853, or amamidi@waterboards.ca.gov. If you have any questions regarding monitoring reports submittals, discharge notifications, and compliance and enforcement, please contact Michael Fischer at (916)-464-4663, or mfischare@waterboards.ca.gov.

Original Signed By Kenneth D. Landau for

Pamela C. Creedon
Executive Officer

NOA Attachments: Attachment A - Administrative Information
Attachment B – Location Map
Attachment C – Facility Schematic

Enclosure: General Order No. R5-2010-0018 (Discharger only)

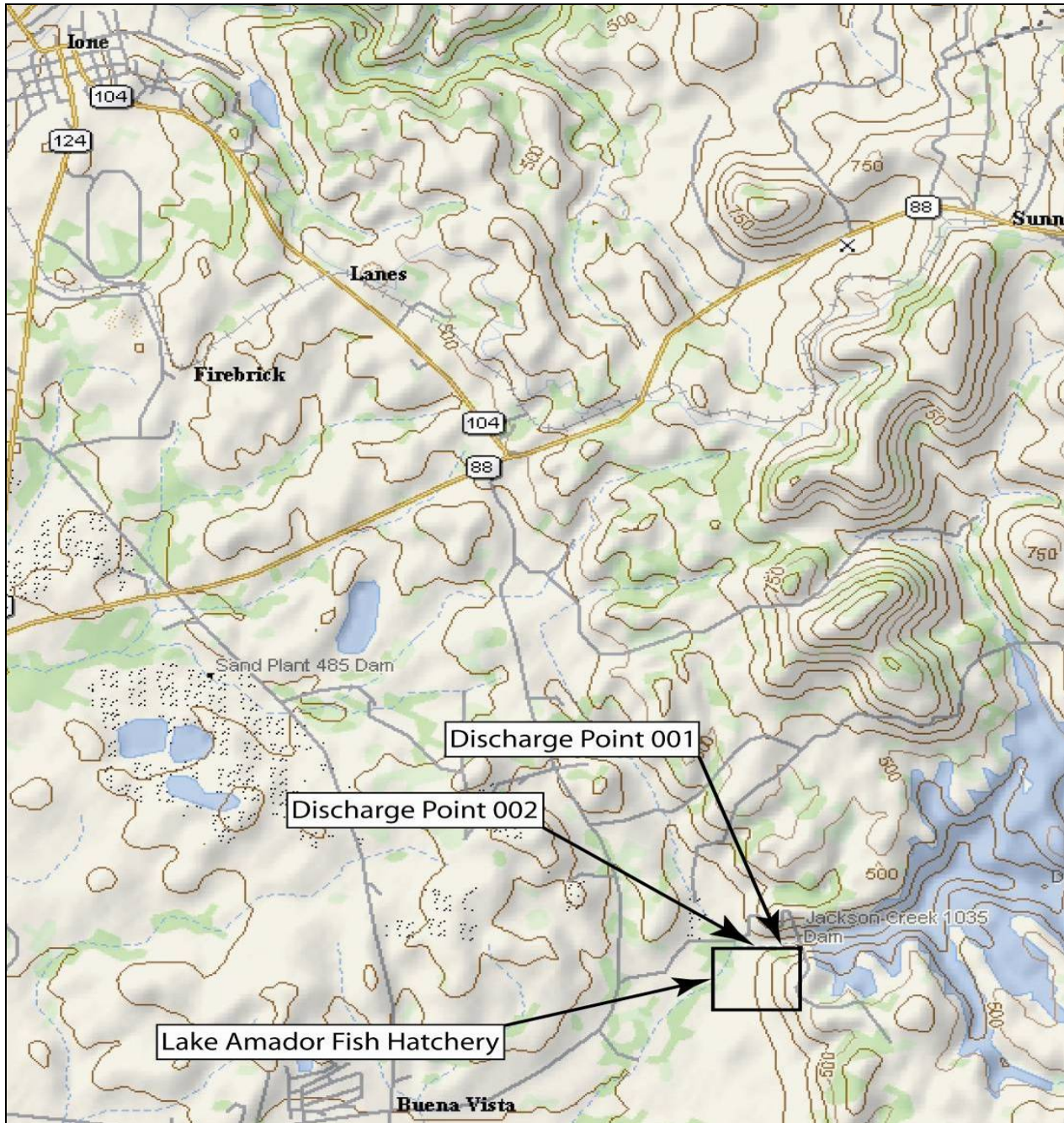
Distribution List: Mr. David Smith, U.S. EPA, Region IX, San Francisco
Mr. Phil Isorena, State Water Resources Control Board, Sacramento

bcc: Michael Fischer, CVRWQCB, Sacramento

ATTACHMENT A – FACILITY ADMINISTRATIVE INFORMATION

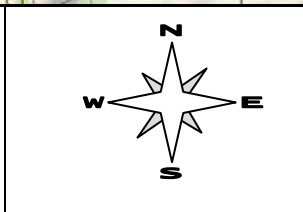
Name of Facility	Lake Amador Fish Hatchery
Type of Facility	Cold Water Aquaculture Facility, SIC Code 0921
WDID	94-2747581
General Order NOA Enrollee Number	R5-2010-0018-016
Discharger	Fanbasstic Inc., (Facility Owner/Operator) and Jackson Valley Irrigation District (Site Owner)
Facility Address	7500 Lake Amador Drive Ione, CA 95640
Land Owner (Address)	Jackson Valley Irrigation District 6785 Lake Amador Drive Ione CA 95640 (Contact Person-Tom Hoover 209-274-2037)
Facility Contact, Title and Phone	Lee M. Lockhart, Fanbasstic Inc. 209-274-4739 or 209-217-6729 (cell)
Authorized Person to Sign and Submit Reports	Lee M. Lockhart
Mailing Address	7500 Lake Amador Drive Ione, CA 95640
Billing Address	7500 Lake Amador Drive Ione, CA 95640
Total Weight Produced (Annual)	140,000 lbs
Major or Minor Facility	Minor
Threat to Water Quality	2
Complexity	B
Facility Permitted Flow	1.73 mgd
Watershed	San Joaquin River Basin
Receiving Water	Jackson Creek, a tributary to Dry Creek, a tributary to the Mokelumne River
Receiving Water Type	Inland surface water

ATTACHMENT B – LOCATION MAP



U.S.G.S TOPOGRAPHIC
MAP
7.5 MINUTE QUADRANGLE
Not to scale

SITE LOCATION MAP
FANBASSTIC, INC.
LAKE AMADOR FISH
HATCHERY
AMADOR COUNTY



ATTACHMENT C – FACILITY FLOW SCHEMATIC

