

California Regional Water Quality Control Board  
North Coast Region

MONITORING AND REPORTING PROGRAM

ORDER NO. R1-2005-0036  
NPDES PERMIT NO. CA0006670  
I.D. NO. 1B80073OHUM

FOR THE

STATE OF CALIFORNIA  
DEPARTMENT OF FISH AND GAME  
MAD RIVER HATCHERY

Humboldt County

**Effluent Monitoring**

Flow shall be monitored continuously at all discharge points. Temperature shall be measured daily at 1500 (3 pm).

Representative samples shall be collected weekly from fish ladder discharge 001 as near as practicable to the point of discharge. Samples shall be analyzed for pH, turbidity, settleable matter, suspended solids, and fixed nonfiltrable residue.

Representative samples shall be collected weekly from spawning house discharge 002 as near as practicable to the point of discharge. Insofar as practicable, sampling shall be scheduled to coincide with floor cleaning operations. Samples shall be analyzed for pH, turbidity, settleable matter, suspended solids, and fixed nonfiltrable residue.

Percolation ponds receiving discharge 003 shall be inspected daily whenever more than one centimeter of rain has been received in the preceding 24-hours. Representative samples shall be collected daily from the pond overflow whenever the ponds are overflowing. Samples shall be analyzed for pH, turbidity, settleable matter, suspended solids, and fixed nonfiltrable residue.

Representative samples shall be collected daily from fish release discharge 004 as near as practicable to the point of discharge. Samples shall be analyzed for pH, turbidity, settleable matter, suspended solids, and fixed nonfiltrable residue.

The Executive Officer may reduce sampling frequency for discharge points 001 and 002 from weekly to monthly if analytical results from a full fish production cycle of weekly monitoring establish 95% confidence that pH, settleable matter, and suspended solids remain within effluent limitations.

**Drug Use Monitoring**

The Permittee shall report the date(s) of use and daily quantity of any substance defined as a drug in section 201(g)(1) of the Federal Food, Drug and Cosmetic Act (21USC321). A two-species critical life stage chronic toxicity bioassay shall be initiated on the first day of application of any drug from either discharge 001 (if drug use was in the spawning house) or discharge 002

(if the fish ladder is discharging) or from the percolation ponds. The two species shall be an alga and an aquatic invertebrate. The sample used for bioassay shall be either a grab sample collected at the computed time of maximum effluent concentration or a composite sample beginning with the time of drug application and extending over a compositing period equal to the duration of the bioassay procedure.

Bioassay testing shall not be required when no other drug has been used in the ten days preceding the present drug use and the Permittee provides previous chronic bioassay data indicating no observed effect for drug concentrations equal to or higher than the maximum instantaneous effluent concentration produced by the present drug application.

When more than one drug is used within a period of ten days, previous chronic bioassay data may be submitted for the first drug of the treatment sequence as described in the preceding paragraph. Bioassay testing shall be required for subsequent drugs of the treatment sequence unless the Permittee provides previous chronic bioassay data indicating no observed effect for the same treatment sequence, with similar timing and concentration ratios, and drug concentrations equal to or higher than the maximum instantaneous effluent concentration produced by the present drug application.

### **Receiving Water Monitoring**

A receiving water monitoring station shall be established upstream of all hatchery discharge locations. Temperature shall be recorded daily at 1500 (3pm) and grab samples shall be collected whenever samples are collected from any discharge point. Samples shall be analyzed for pH and turbidity. Samples collected from this location shall be used as the control for bioassay analyses.

### **Rainfall Monitoring**

Precipitation shall be recorded daily as centimeters of liquid water.

### **Reporting**

Monthly monitoring reports shall be submitted to the Regional Water Board by the last day of the following month. The Permittee shall arrange the data in tabular form similar to the attached example so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized in such a manner as to illustrate clearly the compliance with waste discharge requirements. During periods of no discharge, the reports shall certify no discharge.

Ordered by \_\_\_\_\_  
Catherine E. Kuhlman  
Executive Officer

June 21, 2005