AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
WASTEWATER MANAGEMENT DIVISION
103 SOUTH MAIN STREET
WATERBURY, VERMONT 05671-0405

FACT SHEET
February 2006; **amended September 2006**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
PERMIT TO DISCHARGE TO WATERS OF THE UNITED STATES

FILE NO: 02-02
PROJECT ID NO: RU96-0036
NPDES NO: VT0020958
PERMIT NO: 3-0341

NAME AND ADDRESS OF APPLICANT:

Vermont Department of Fish and Wildlife
103 South Main Street
Waterbury, VT 05671

NAME AND ADDRESS OF FACILITY WHERE DISCHARGE OCCURS:

Bennington Fish Culture Station
110 Hatchery Road
Bennington, VT

RECEIVING WATERS AND CLASSIFICATION: South Stream: Class B. Class B waters are suitable for bathing and recreation; irrigation and agricultural uses; good fish habitat; good aesthetic value; acceptable of public water supply with filtration and disinfection.

I. Proposed Action, Type of Facility, and Discharge Location

The above named applicant has applied to the Vermont Department of Environmental Conservation (DEC) for amendment to its permit to discharge into the designated receiving water. The facility discharges wastewater from a fish culture station.

The amendment application requests a change to the amount of Chloramine-T to be used if it becomes necessary to do so. Chloramine-T is used for bacteria and parasite control. The Department of Fish and Wildlife is requesting this change due to more stringent INAD (Investigative New Animal Drug) requirements for Chloramine-T. The DEC has evaluated possible effects on the receiving water and has determined that the permitted increase in the amount of Chloramine-T will not adversely affect the aquatic biota. This determination was arrived at using the August median flow of 7.8 CFS and an instream water criterion for Chloramine-T of 2.4 mg/l. Given the breakdown of the chemical in the hatchery and the treatment pond, instream criterion will be met at concentrations up to 20 ppm in the hatchery.

II. Description of Discharge

This permit authorizes the discharge of 2.5 MGD, monthly average, of wastewater from the fish culture process. A quantitative description of the discharge in terms of significant effluent parameters is presented in section IV. below.

III. Limitations and Conditions

The effluent limitations of the permit, the monitoring requirements, and any implementation schedule (if required), may be found on the following pages of the permit:

Effluent Limitations:	Page 2
Monitoring Requirements:	Page 2

IV. Permit Basis and Explanation of Effluent Limitation Derivation

History & Summary

The Vermont Department of Fish and Wildlife owns and operates a fish culture station at 110 Hatchery Road, Bennington, VT. The station uses water in the fish rearing process. The station produces trout (rainbow, brook and brown) and approximately 53,000 pounds of fish were produced in 2005. The source of the process water is a spring, two wells, and a stream. All water used in the fish rearing process flows through a concrete sedimentation tank for settling. The treated water then flows for approximately 300 feet through a channel and is discharged to South Stream.

Effluent Limitations

Flow

The permit contains a flow limitation of 2.5 MGD, monthly average. This limitation is based on the capacity of the station and is unchanged from the current permit. Weekly flow monitoring is required.

pH

The permit contains a pH limitation of 6.5 to 8.5 SU. This limitation is unchanged from the current permit and is based on Section 3-01.B.9 of the Vermont Water Quality Standards effective July 2, 2000. Sampling of pH is required once per month during the period of April through October. This sampling requirement is unchanged from the current permit.

Total Suspended Solids (TSS) - The effluent limitations for total suspended solids remain unchanged from the previous permit at 5 mg/l, monthly average, and 15 mg/l, daily maximum. The limits were established in a previous permit (1991) based on recommendation from EPA Region 10 and is predicated on the use of fish screens installed within the raceways as 'Best Conventional Pollutant Technology'. The TSS monthly (April through October only) monitoring requirement is unchanged from the previous permit and is consistent with similar fish culture stations.

Total Ammonia and Biochemical Oxygen Demand – Total Ammonia and Biochemical Oxygen Demand monitoring is required annually in September. This sampling requirement is unchanged from the current permit and is consistent with other state fish culture stations.

Total Phosphorus – Total phosphorus monitoring is required twice annually in June and September. This sampling requirement is unchanged from the current permit and is consistent with other state fish culture stations.

Special Conditions –Special Condition 2.a requires the frequent cleaning of the raceways and, is unchanged from the current permit. Special Condition 2.b.requires that sediment be removed from the settling tank as needed and disposed of properly. The date of removal shall be noted on the monthly discharge monitoring report form. Special Condition 2.c requires that the discharge comply with the Vermont Water Quality Standards.

Chemical Usage – The following chemicals may be used at the station provide they are applied in accordance with the U.S. Food and Drug Administration requirements for the prevention and control of fish pathogens and disease. Concentrations and treatment durations shall not exceed specific product label or authorized Investigative New Animal Drug (INAD authorization): sodium chloride, Formalin, Roccall II, Romet-30, Terramycin, and hydrogen peroxide.

In addition, Chloramine-T may be used in concentrations of up to 20 ppm for up to 60 minutes. Treatments may be made for up to three consecutive days for bacteria control or up to 21 days for parasite control.

V. Procedures for Formulation of Final Determinations

The public comment period for receiving comments on this draft permit is from September 5 to October 5, 2006 during which time interested persons may submit their written views on the draft permit.

All written comments received by **4:30 pm on October 5, 2006** will be retained by the Department and considered in the formulation of the final determination to issue, deny or modify the draft permit. The period of comment may be extended at the discretion of the Department.

Written comments should be sent to:

Vermont Agency of Natural Resources
Department of Environmental Conservation
Wastewater Management Division - Sewing Building
103 South Main Street
Waterbury, VT 05671-0405

Comments may also be faxed to: 802-241-2596.

Any interested person or groups of persons may request or petition for a public hearing with respect to this draft permit. Any such request or petition for a public hearing shall be filed within the public comment period described above and shall indicate the interest of the party filing such request and the reasons why a hearing is warranted.

The Department will hold a hearing if there is significant public interest in holding such a hearing. Any public hearing brought in response to such a request or petition will be held in the geographical area of the proposed discharge or other appropriate area, at the discretion of the

Department and may, as appropriate, consider related groups of draft permits. Any person may submit oral or written statements and data concerning the draft permit at the public hearing. The Department may establish reasonable limits on the time allowed for oral statements and may require the submission of statements in writing. All statements, comments, and data presented at the public hearing will be retained by the Department and considered in the formulation of the final determination to issue, deny, or modify the draft permit.

The complete application, draft permit, and other information are on file and may be inspected at the VTDEC, Wastewater Management Division, Waterbury Office. Copies will be made at a cost based on the current Secretary of State Official Fee Schedule for Copying Public Records from 8:00 AM to 4:30 PM, Monday through Friday. The draft permit and fact sheet may also be viewed on the Division's website at www.anr.state.vt.us/dec/ww/wwmd.cfm.

No comments were received during the public notice period.

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