

**Species:** Trout, and baitfish.

**Production Methods:** Ponds, tanks, raceways and closed systems.

**Responsible Agency:** Department of Environmental Conservation (DEC), Vermont Agency of Natural Resources, 103 South Main Street, Waterbury, VT 05671-0405, *Telephone: 802-241-3822, Fax: 244-5141*. The Wastewater Management Division has responsibility for regulating discharges to surface waters, and groundwater. The Division of Solid Waste Management regulates solid waste disposal.

**Water Classification:** Surface waters are designated by class on the basis of maintaining water quality that is compatible with beneficial values and uses. There are three classes: Class A - high quality waters with significant ecological value and for use as public water supply with disinfection as necessary; Class B - high quality habitat for aquatic biota, fish and wildlife; public water supply with filtration and disinfection; irrigation and other agricultural uses; swimming and recreation; Class C - habitat suitable for aquatic biota, fish and wildlife; recreational boating and any recreation or other water uses where contact with the water is minimal and where ingestion of the water is not probable; irrigation of crops not used for human consumption without cooking; and compatible industrial uses.

Groundwater is subdivided into four classes with designated uses: Class I - Suitable for public water supply, no exposure to activities which pose a risk to its current or potential use as public water supply; Class II - Suitable for public water supply, exposed to activities which pose a risk to its current or potential use as public water supply; Class III - Suitable as a source of water for individual domestic water supply, irrigation, agricultural use and general industrial and commercial use; and Class IV - Not suitable as a source of potable water but suitable for some agricultural, industrial and commercial use.

Solids are subdivided into Hazardous and Non-Hazardous wastes.

**Copies of Current Standards:** Department of Environmental Conservation (DEC), Vermont

Agency of Natural Resources, 103 South Main Street, Waterbury, VT 05676, *Telephone: 802-241-3822, Fax: 802-244-5141*. There is no charge for copies of the standards.

**Waste Classification:** *Effluent* — Industrial Waste; *Settleable Solids* — Municipal Sludge; *Mortalities* — Non-Hazardous Waste.

**Effluent Standards:** Based upon quality of the receiving waters and best available technology (BAT).

**NPDES Permit:** There is no separate NPDES permit. All discharges are regulated under the state discharge permit program (see below). A NPDES number is assigned to facilities that meet or surpass 40 CFR guidelines. *Criteria*— 40 CFR Part 122.24. *Permit Fee* — See State Discharge Permit. *Individual Permit Authority* — Yes, 11/74. *General Permit Authority* — Yes, 8/93.

**State Discharge Permit:** A state discharge permit is required for all facilities producing more than 5,000 pounds of fish per year. Permit fees are based upon discharge volume (Gallons Per Day - GPD) at a rate of \$.002 for each gallon of design flow.

**Mixing Zone:** Determined individually based upon characteristics of discharge and quality of receiving waters. No mixing zones for aquaculture have been requested.

**Land Application:** Wastewater and settleable solids may be used on agricultural land with a permit from the DEC. Beneficial reuse of solid waste by composting is encouraged but may require a permit depending upon the size of the composting facility, Sludge and mortalities intended for disposal must be taken to an approved landfill.

**General Discharge Permit: No.** The DEC, however, would consider developing a general permit for aquaculture facilities as the volume of applications increases.

**Other Information:** Vermont water quality standards also include a section on Outstanding Resource Waters (ORWs), which are subject to higher standards of environmental protection.