

**Species:** Trout, baitfish and hybrid striped bass.

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

**Responsible Agency:** West Virginia Division of Environmental Protection (DEP), Division of Natural Resources, Office of Water Resources (NPDES permits), 1201 Greenbrier Street, Charleston, WV 25311, *Telephone: 304-558-0375 and 8855, Fax: 304-558-5903*; and the Section of Waste Management (solid waste disposal), 1356 Hansford Street, Charleston, WV 25301, *Telephone: 304-558-2108*. The DEP has responsibility for regulating discharges to surface waters, groundwater, and solid waste disposal.

**Water Classification:** West Virginia has 5 categories of water use: Category A - public water supply, Category B - propagation and maintenance of fish and other aquatic life (B 1- warm water fishery streams; B2 - trout waters; B3 - small non-fishable streams; B4 - wetlands), Category C - water contact recreation, Category D - agriculture and wildlife uses (D I - irrigation; D2 - livestock watering; D3 - wildlife), Category E - water supply industrial (E1 - water transport; E2 - cooling water; E3 - power production; E4 - industrial).

Groundwaters and solid wastes are not classified.

**Copies of Current Standards:** West Virginia Office of the Secretary of State, Building 1, Suite 157-K, 1900 Kanawha Blvd., East, Charleston, WV 25305-0770, *Telephone: 304-558-6000, Fax: 304-558-0900*. The Office of the Secretary of State publishes a catalog listing the availability and cost for copies of all state regulations and standards.

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

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

**NPDES Permit:** See state discharge permit. *Criteria* — 40 CFR Part 122.24. *Permit Fee* — See State

Discharge Permit; *Individual Permit Authority* — Yes, 5/82; *General Permit Authority* — Yes, 5/82.

**State Discharge Permit:** All discharges are covered under the West Virginia/National Pollutant Discharge Elimination System (WV/NPDES) permit program. Aquiculture facilities operating above the 40 CFR threshold are required to have a WV/NPDES permit. Facilities that fall below the 40 CFR threshold do not need a permit unless the DEP determines that the discharge degrades the quality of the receiving waters. The WV/NPDES permit, which is valid for 5 years, has an application fee of \$250.00 and the annual fee varies based upon pounds of feed used per month. For example, at current rates, the annual fee for using 5,000 pounds of feed per month is \$250.00; the fee for using more than 30,000 pounds of feed per month is \$1750.00.

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

**Land Application:** Effluents and settled solids (sludge) may be used on agricultural land with a permit from the DEP. Beneficial reuse of solid waste by composting is encouraged as an alternative to land disposal. Settled solids and mortalities intended for disposal at an approved landfill must have a minimum solid fraction of 20%.

**General Discharge Permit:** No. However, the DEP would consider developing a general permit for aquiculture facilities if warranted by an increasing rate of applications.

**Other Information:** West Virginia water quality standards also include a separate section on High Quality Waters (HQW), which are designated as special waters of the state and are subject to the highest standards of environmental protection. HQWs include naturally producing trout streams, all waters in State and National Forests and Recreation Areas, and other waters identified by the state legislature.