

Species: Trout, ornamental fish, hybrid striped bass, catfish, baitfish, and other species of sport fish.

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

Responsible Agency: Pennsylvania Department of Environmental Resources (DER), Bureau of Water Quality Management, Division of Permits and Compliance, P.O. Box 8466, Harrisburg, PA 17105-8466, *Telephone:* 717-787-8184, *Fax:* 717-772-5156. The DER has responsibility for regulating discharges to surface waters, groundwater, and solid waste disposal through six regional offices.

Water Classification: Pennsylvania surface waters are divided into five categories based upon protected use. Each category is subdivided in accordance with different activities and designated uses. The major categories and their subdivisions are: *Aquatic-Life:* Cold Water Fishes (CWF), Warm Water Fishes (WWF), Migratory Fishes (MF), and Trout Stocking (TSF); *Water Supply:* Potable Water Supply (PWS), Industrial Water Supply (IWS), Livestock Water Supply (LWS), Wildlife Water Supply (AWS), and Irrigation (IRS); *Recreation:* Boating (B), Fishing (F), Water Contact Sports (WC), and Esthetics (E); *Special Protection:* High Quality Waters (HQ), and Exceptional Value Waters (EV); and *Other:* Navigation (N). Water uses vary by stream segment, zone limits, and exceptions to standard water uses.

Groundwater is not classified. Solid waste is classified as Hazardous, Municipal and Residual.

Copies of Current Standards: Pennsylvania DER, Bureau of Water Quality Management, Division of Permits and Compliance, P.O. Box 8466, Harrisburg, PA 17105-8466. There is no charge for copies of the standards.

Waste Classification: *Effluent* — Wastewater, *Settleable Solids* and *Mortalities* — Agricultural Waste.

Effluent Standards: Based upon a combination of the most stringent best available technology (BAT) and quality of the receiving waters.

NPDES Permit: Pennsylvania regulates all discharges under the National Pollutant Discharge Elimination System (NPDES) program. Aquaculture facilities operating above the 40 CFR threshold are required to have a NPDES permit. *Criteria* — 40 CFR Part 122.24. *Permit Fee* — An application filing fee of \$500 is charged for an individual NPDES permit. The filing fee for a proposed general NPDES permit is \$100. Permits are valid for five years, *Individual Permit Authority* — Yes, 6/78. *General Permit Authority* — Yes, 8/91.

State Discharge Permit: Aquaculture facilities that fall below the 40 CFR threshold are not required to have a NPDES permit unless the DER determines that the discharge degrades the quality of the receiving waters.

Mixing Zone: Pennsylvania water quality standards do not contain mixing-zone descriptions.

Land Application: Settled solids may be applied to agricultural land without a permit, provided that state manure management guidelines are followed. Composting of mortalities is encouraged as an alternative to disposal at an approved landfill.

General Discharge Permit: Pennsylvania is developing a general NPDES permit for aquaculture that will cover discharges from aquaculture facilities at or above the 40 CFR threshold using the BMP approach.

Other Information: Exceptional Value Waters and High Quality Waters are currently excluded from the proposed General NPDES aquaculture permit.