

Species Produced: Hard clams, oysters, scallops, trout, hybrid striped bass, baitfish and tilapia.

Production Methods: Ponds, tanks, raceways, bottom and off-bottom culture, and closed systems.

Responsible Agency: Massachusetts Department of Environmental Protection (DEP), One Winter Street, Boston, MA 02202, Telephone: 617-292-5673. Fax: 617-556-1049. The Division of Water Pollution Control has responsibility for regulating water quality standards for discharges to tidal and non-tidal surface waters, and groundwater. The Division of Solid Waste Management regulates disposal of sludge and other solid wastes. The Department maintains "InfoLine," a service that provides information on permitting, compliance and training. Telephone: 617-338-2255 or 800-462-0444 (In MA area codes 413 and 508).

Water Classification: Surface waters are divided into inland waters (Classes A, B, and C) and coastal and marine waters (Classes SA, SB, and SC). Class A waters are designated as public water supply. Class B waters are designated for fisheries, wildlife and primary and secondary contact recreation. Class C waters are designated for fisheries, wildlife and secondary contact recreation. Classes SA and SB waters are designated for fisheries, primary and secondary contact recreation, and shellfish harvesting. Class SC waters are restricted to fisheries, wildlife and secondary contact recreation.

Groundwater and designated uses are subdivided to Class I, Class II, and Class III. Solid wastes are subdivided as Hazardous and Non-Hazardous.

Copies of Current Standards: The State Book Store, Room 116, State House, Boston, MA 02133, Telephone: 617-727-2834. The book store publishes a catalog listing the availability and cost of all state regulations and standards.

Waste Classification: *Effluent* — Industrial Waste; *Settleable Solids* — Type I Sludge; *Mortalities* — Putrescible Waste (decaying and foul smelling material).

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

NPDES Permit: Massachusetts is not delegated by EPA to issue NPDES permits. Inquiries should be directed to Aquaculture Permit Coordinator, Programs Operations Section, WCP, U.S Environmental Protection Agency, Region 1 Office, 1 Congress Street, P.O. Box 8217, Boston, MA 02114, Telephone: 617-565-3420 (general Information). The Massachusetts DEP provides water quality certification for all NPDES permits. *Criteria* —40 CFR Part 122.24, *Permit Fee* — The NPDES permit is valid for a period five years and has no fee. The Massachusetts DEP charges a fee for water quality certification.

State Discharge Permit: Aquaculture discharges are covered under the state's Surface Pollution Discharge Elimination Systems (SPDES) permit. All aquaculture operations discharging to waters of the state must apply for a SPDES permit or receive water quality certification (as part of an NPDES permit). Facilities with production below the 40 CFR threshold require a SPDES permit from the DEP.

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

Land Application: Settleable solids classified as Type I Sludge (no heavy metals and pathogens) by the DEP may be applied with a permit. Mortalities should be taken to an approved landfill. Comporting of sludge and mortalities, with certification from the Department of Agriculture that greater than 50% of the material produced will be used on-site, is exempted from having a solid waste disposal facility permit.

General Discharge Permit: The Massachusetts DEP has no plans to develop a general discharge permit for aquaculture at this time.

Other Information: Massachusetts water quality standards also include a separate section on a program which identifies selected coastal and inland sites or regions as Areas of Critical Environmental Concern (ACEC).