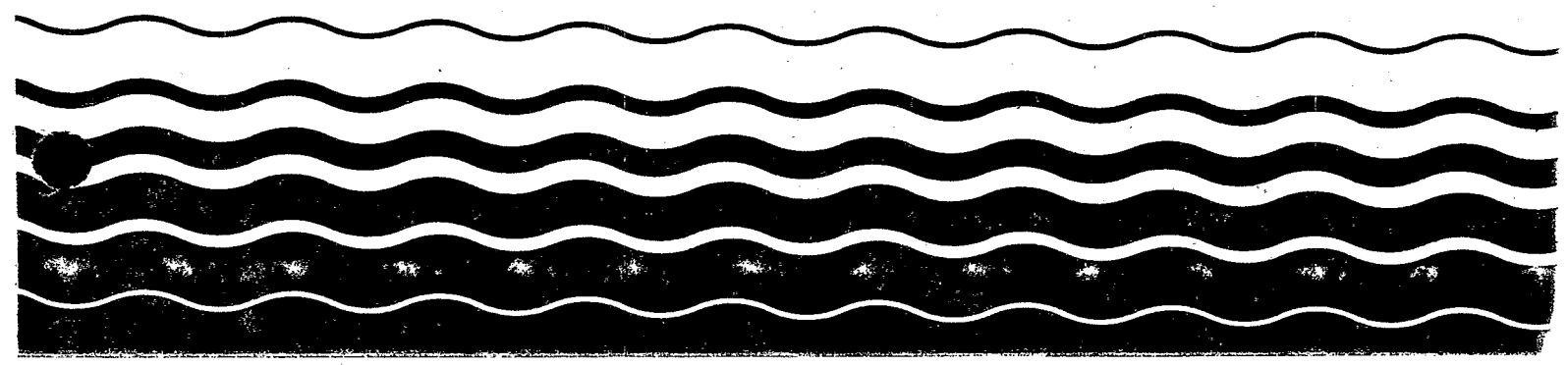


Water



State Water Quality Standards Summary: Pennsylvania





DISCLAIMER

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The reader should consult the water quality standards of a particular State for exact regulatory language applicable to that State. Copies of State water quality standards may be obtained from the State's Water Pollution Control Agency or its equivalent.

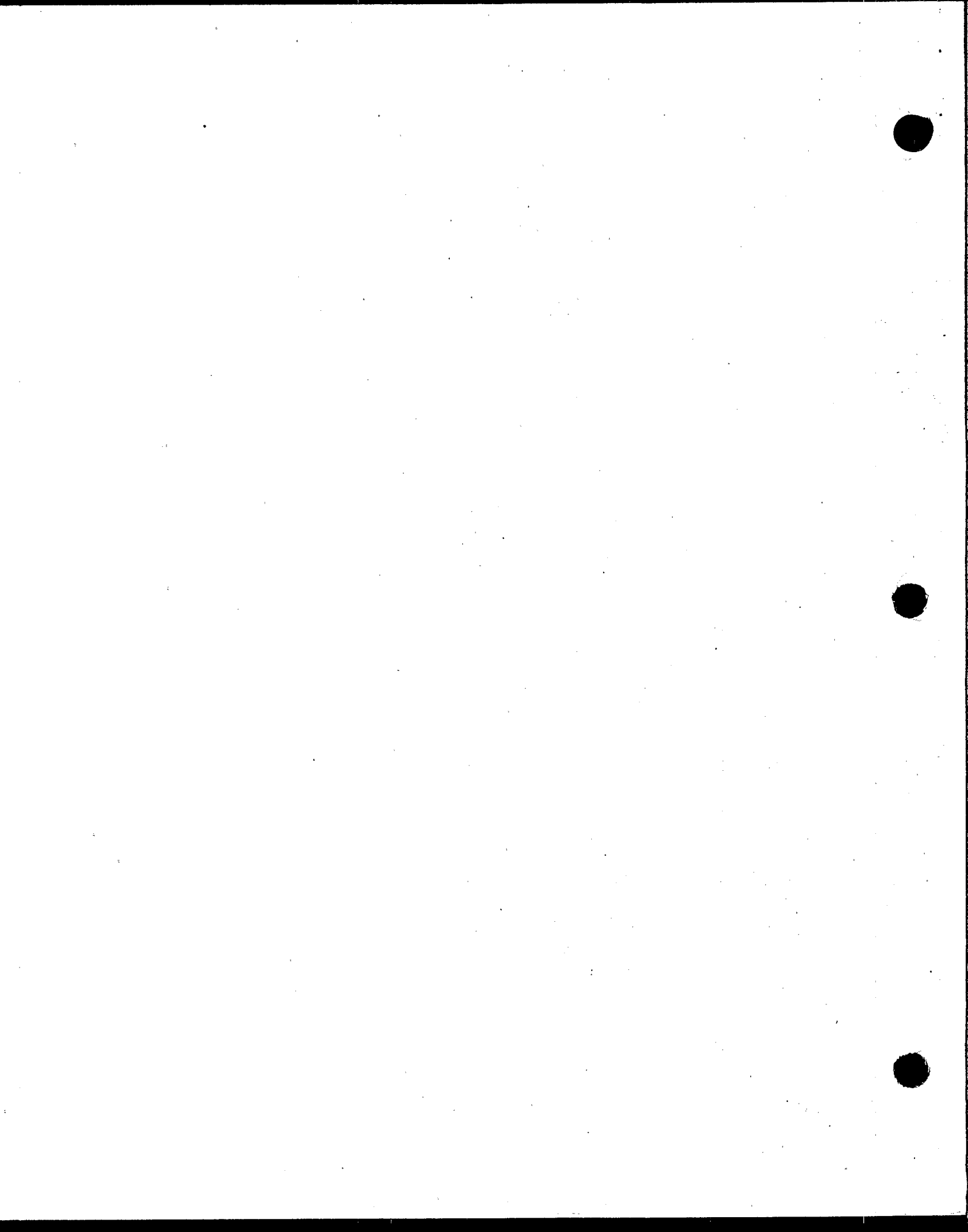
Additional information may also be obtained from the:

Standards Branch
Criteria and Standards Division (WH-585)
Office of Water Regulations and Standards
U.S. Environmental Protection Agency
Washington, D.C. 20460
202-475-7315

This document may be obtained only from the National Technical Information Service (NTIS) at the following address:

National Technical Information Service
5285 Front Royal Road
Springfield, Virginia 22161
703-487-4650

The NTIS order number is: PB89-142053.



PENNSYLVANIA

Responsible Agency:

Dept. of Environmental Resources
Bureau of Water Quality Management
P.O. Box 2063

State Contact:

Harrisburg 17120
717-787-9637

Standards Available From:

Mr. Edward R. Brezina, Chief- Div. of Water Qual.
Department of Environmental Resources
Bureau of Water Quality Management
P.O. Box 2063

State Contact:

Harrisburg 17120
717-787-9637 Fee: no Mailing List: no

State Narrative Language For: Toxics

Water shall not contain substances attributable to point or nonpoint source waste discharges in concentration or amounts sufficient to be inimical or harmful to the water uses to be protected or to human, animal, plant, or aquatic life.

Not to exceed 0.01 of the 96-hour LC50 for representative important species as determined through substantial available literature data or bioassay tests tailored to the ambient quality of the receiving waters.

State Narrative Language For: Free From

Water shall not contain substances attributable to point or nonpoint source waste discharges in concentrations or amounts sufficient to be inimical or harmful to the water uses to be protected or to human, animal, plant or aquatic life.

Specific substances to be controlled shall include, but shall not be limited to floating debris, oil, grease, scum and other floating materials, toxic substances, pesticides, chlorinated hydrocarbons, carcinogenic, mutagenic and teratogenic materials, and substances which produce color, tastes, odors, turbidity, or settle to form deposits.

State Narrative Language For: Low Flow

The accepted design stream flow, to which the water quality criteria as set forth in this chapter shall apply, is the actual or estimated lowest seven-consecutive-day average flow that occurs once in ten years for a stream with unregulated flow, or the estimated minimum flow for a stream with regulated flows, except where the Department determines that a more restrictive application is necessary to protect a particular designated or existing use. Where the lowest seven-consecutive-day average flow that occurs once in ten years is zero, the Department shall specify the design flow based on the identified or estimated flow at that point where a use identified in section 93.4 of this title (relating to statewide water uses) becomes possible.

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Classifications:

| | |
|--------------------------|---|
| Cold Water Fishes | Maintenance and/or propagation of fish species including the family Salmonidae and additional flora and fauna which are indigenous to a cold water habitat. |
| Warm Water Fishes | Maintenance and propagation of fish species and additional flora and fauna which are indigenous to a warm water habitat. |
| Migratory Fishes | Passage, maintenance and propagation of anadromous and catadromous fishes and other fishes which ascend to flowing waters to complete their life cycle. |
| Trout Stocking | Maintenance of stocked trout from February 15 to July 31 and maintenance and propagation of fish species and additional flora and fauna which are indigenous to a warm water habitat. |
| Potable Water Supply | Use by the public as defined by the Federal Safe Drinking Water Act, or by other water users that require a permit from the Department under the Pennsylvania Safe Drinking Water Act, after conventional treatment for drinking, culinary, and other purposes, such as inclusion into foods, either directly or indirectly. |
| Industrial Water Supply | Use by industry for inclusion into nonfood products, processing and cooling. |
| Livestock Water Supply | Use by livestock and poultry for drinking and cleansing. |
| Wildlife Water Supply | Use for waterfowl habitat and for drinking and cleansing by wildlife. |
| Irrigation | Used to supplement precipitation for growing crops. |
| Boating | Use of the water for power boating, sail boating, canoeing, and rowing for recreational purposes when surface water flow or impoundment conditions allow. |
| Fishing | Use of the water for the legal taking of fish. |
| Water Contact Sports | Use of the water for swimming and related activities. |
| Esthetics | Use of the water as an esthetic setting to recreational pursuits. |
| High Quality Waters | A stream or watershed which has excellent quality waters and environmental or other features that require special water quality protection. |
| Exceptional Value Waters | A stream or watershed which constitutes an outstanding national, state, regional or local resource, such as waters of national, state or county parks or forests, or waters which are used as a source of unfiltered potable water supply, or waters which have been characterized by The Fish Commission as "Wilderness Trout Streams," and other waters of substantial recreational or ecological significance. |
| Navigation | Use of the water for the commercial transfer and transport of persons, animals and goods. |

PENNSYLVANIA

| | All Classes | Cold Water Fish.. | Warm Water Fish.. | Migratory Fish.. |
|------------------------|----------------|-------------------|-------------------|------------------|
| Physical | | | | |
| Dissolved Oxygen | | | | |
| Lower Value | Narr. | | | |
| Temperature | | | | |
| Upper Value | Narr. | | | |
| Temperature Changes | | | | |
| Upper Value | Narr. | | | |
| Turbidity | | | | |
| Upper Value | Narr. | | | |
| Total Dissolved Solids | | | | |
| Upper Value | Narr. | | | |
| Nutrients | | | | |
| Ammonia | | | | |
| Upper Value | Narr. | | | |
| Nitrates & Nitrites | | | | |
| Upper Value | 10 | mg/L | | |
| Toxic Metals | | | | |
| Arsenic | | | | |
| Upper Value | 0.05 | mg/L | | |
| Chromium - Hexavalent | | | | |
| Upper Value | 0.05 | mg/L | | |
| Copper | | | | |
| Upper Value | Narr. | | | |
| Cyanide | | | | |
| Upper Value | 0.005 | mg/L | | |
| Iron | | | | |
| Upper Value | 1.5 | mg/L | | |
| Secondary Upper Limit | 0.3 | mg/L | | |
| Manganese | | | | |
| Upper Value | 1.0 | mg/L | | |
| Nickel | | | | |
| Upper Value | Narr. | | | |
| Pesticides | | | | |
| Organics | | | | |
| Phenolic Compounds | | | | |
| Upper Value | Narr. | | | |
| Bacteria | | | | |
| Fecal Coliform | | | | |
| Upper Value | Narr. | | | |

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Trout Stocking Potable Water S.. Industrial Wate.. Livestock.

Physical

Nutrients

Toxic Metals

Pesticides

Organics

Bacteria

PENNSYLVANIA

Wildlife Water

Irrigation

Boating

Fishing

Physical

Nutrients

Toxic Metals

Pesticides

Organics

Bacteria

PENNSYLVANIA

Water Contact S.. Esthetics

High Quality Wa.. Exceptional

Physical

Nutrients

Toxic Metals

Pesticides

Organics

Bacteria

PENNSYLVANIA

Navigation

Physical

Nutrients

Toxic Metals

Pesticides

Organics

Bacteria

