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Environmental Protection
Agency

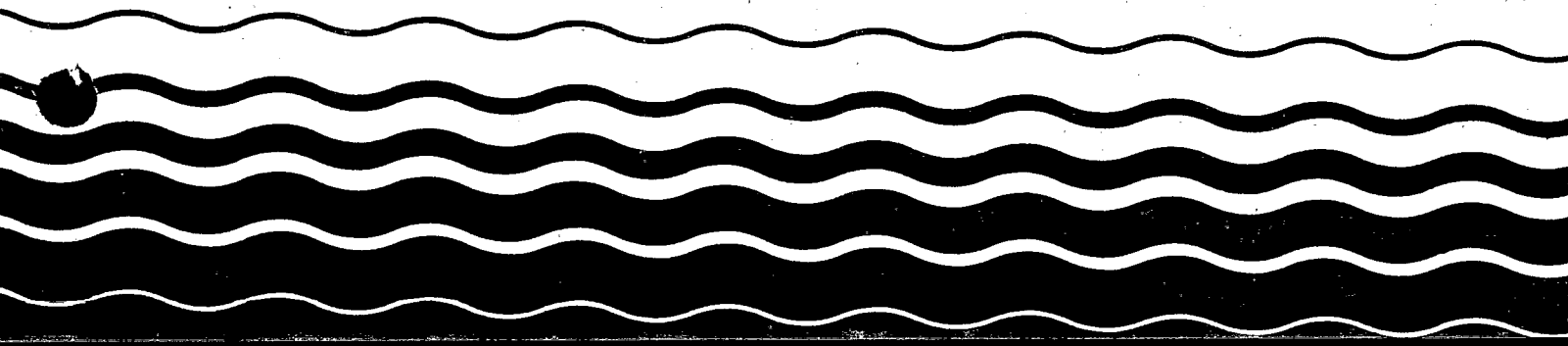
Office of Water
Regulations and Standards
Washington, DC 20460

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Water



State Water Quality Standards Summary: N. Mariana Islands



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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

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Responsible Agency:

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State Narrative Language For: Antidegradation

Waters whose existing quality is better than the standards set forth by these regulations, shall be maintained at that high quality.

Waters whose existing quality is less than the standards set forth in these regulations, shall be improved to comply with these standards.

No new point source of pollution shall discharge to near shore water and no waters of the Commonwealth shall lowered in overall quality unless it has been affirmatively demonstrated to the Department or its designated representative that such discharge or change in overall quality is a necessary result of important economic, environmental, or social development, and is in the best interests of the people of the Commonwealth and will not interfere or impair any beneficial use assigned to the water(s) in question. Determination made under this policy shall provide for public participation and intergovernmental coordination.

No new source of pollution shall discharge into fresh surface water.

There shall be no direct or indirect discharge of sewage or other waste matter into any planned or existing ground or surface source of drinking water.

All sewage, wastewater, and any other matter shall receive a degree of treatment necessary to protect the beneficial uses of the state waters before discharging.

State Narrative Language For: Toxics

Free from toxic or other deleterious substances at levels or in combinations sufficient to be toxic or harmful to human, animal, plant, or aquatic life, or in amounts sufficient to interfere with any beneficial use.

Criteria for toxic substances are given as either a maximum concentration or are determined by multiplying the stated application factor by the concentration determined to be lethal to 50% of the most sensitive indigenous organism after 96 hours of exposure (96 LC50). When both an application factor and a maximum concentration are given, the lesser of the two concentrations shall constitute the water quality standards.

No substance or combination of substances including oil and petroleum products shall be present in surface water in amounts that exceed 0.01 times the 96 LC50 concentration unless it can be demonstrated to the Department that a higher concentration has no adverse effect, chronic or acute, on the intended uses of the water body in question.

Effects of toxic or other deleterious substances at levels or combinations sufficient to interfere with any beneficial use of the water, shall be evaluated as a minimum by the use of a 96-hour bioassay as described in the most recent editions of Standards Methods for the Examination of Water and Wastewater. Survival of test organisms shall not be less than that in controls which utilize appropriate water. Failure to determine presence of toxic substances by this method shall not preclude determination of excessive levels of toxic substances on the basis of other criteria or methods.

Pollutant discharges shall be controlled so as to protect not only the waters receiving the discharge directly, but also those waters into which the initial receiving waters may flow.

State Narrative Language For: Free From

All waters shall be free of substances attributable to domestic, industrial, or other controllable sources of

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pollutants and shall be capable of supporting desirable aquatic life and be suitable for recreation in and on the water.

This part will be subject to verification by monitoring as may be prescribed by the Director or Chief to assure freedom from any of the following conditions:

- (a) Materials that will settle to form objectionable sludge or bottom deposits.
- (b) Floating debris, oil, grease, scum or other floating materials.
- (c) Substances in amounts sufficient to produce taste or odor in the water or detectable off flavor in the flesh of fish, or in amounts sufficient to produce objectionable odor, turbidity, or other conditions in the receiving waters.
- (d) High temperatures; biocides; pathogenic organisms; toxic, radioactive, corrosive, or other deleterious substances at levels or in combinations sufficient to be toxic or harmful to human, animal, plant, or aquatic life, or in amounts sufficient to interfere with any beneficial use of the water.
- (e) Substances or conditions or combinations thereof in concentrations that produce undesirable aquatic life.

State Narrative Language For: Mixing Zones

The water quality criteria in these regulations shall apply within a mixing zone unless specific alternate criteria are approved by the Chief for specified parameters. The mixing zone, in accordance with Part 4(j), shall be defined by specific linear distance, volume or area, discharge location, maximum flow, and maximum concentrations of important constituents which are determined on a case-by-case basis using the following:

9.1 Mixing zones shall be as small as practicable and shall not be of such size or shape as to cause or contribute to the impairment of water uses. In determining the size and location of the mixing zone for any discharge, the following shall be considered:

- (a) Size of receiving water volume of discharge, streambank or shoreline configuration, the mixing velocities and other hydrologic and physiographic characteristics;
- (b) Present and anticipated future use of the body of water;
- (c) Present and anticipated future quality of the body of water; and
- (d) The ratio of the maximum flow rate of waste being discharged to the lowest recorded flow rate of the receiving waters.

9.2 An adequate zone of passage shall exist at all times for the movement or drift of aquatic life.

9.3 Where two or more mixing zones are in close proximity, they shall be so defined that a continuous zone of passage for aquatic life is available.

9.4 Mixing zones shall not intersect any area of the waters in such a manner that the maintenance of aquatic life in the body of water as a whole would be adversely affected.

9.5 The discharge shall not violate the basis standards applicable to all water nor shall it unreasonably interfere with any actual or probable use of the waters within the mixing zone.

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Classifications:

Marine Waters
Class AA

The uses protected in this class of waters are the support and propagation of shellfish and other marine life, conservation of coral reefs and wilderness areas, compatible recreation, oceanographic research, and aesthetic enjoyment.

Marine Waters
Class A

It is the objective of this class of waters that their use for recreational purposes and aesthetic enjoyment be protected.

Fresh Waters
Class 1

The uses to be protected in this class of waters are for domestic water supplies, food processing, the support and propagation of aquatic life, compatible recreation and aesthetic enjoyment.

Fresh Waters
Class 2

The uses to be protected in this class are all uses compatible with the protection and propagation of fish and other aquatic life, and with recreation in and on these waters.

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	All Classes	Marine Waters Class AA	Marine Waters Class A	Fresh Waters Class 1
Physical				
pH				
Upper Value	8.6			
Lower Value	6.5			
Dissolved Oxygen				
Lower Value		6.0 mg/L	5.0 mg/L	6.0 mg/L
Temperature				
Upper Value	Narr.			
Temperature Change				
Upper Value	1.5 F			
Turbidity				
Upper Value		2 NTU	5 NTU	2 NTU
Total Dissolved Solids				
Upper Value		Narr.	Narr.	
Nutrients				
Total Nitrogen				
Upper Value		0.4 mg/L	0.75 mg/L	0.75 mg/L
Ammonia				
Upper Value	0.02 mg/L			
Phosphorus				
Upper Value		0.026 mg/L	0.050 mg/L	0.100 mg/L
Toxic Metals				
Arsenic				
Upper Value	0.01 mg/L			
Cadmium				
Upper Value	0.005 mg/L			
Chromium - Total				
Upper Value	0.05 mg/L			
Copper				
Upper Value	Narr.			
Cyanide				
Upper Value	0.001 mg/L			
Iron				
Upper Value	0.50 mg/L			
Lead				
Upper Value	0.001 mg/L			
Mercury				
Upper Value	Narr.			
Barium				
Upper Value	0.50 mg/L			
Beryllium				
Upper Value	0.10 mg/L			
Boron				
Upper Value	5.00 mg/L			
Manganese				
Upper Value	0.02 mg/L			
Nickel				
Upper Value	0.002 mg/L			

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	All Classes	Marine Waters Class AA	Marine Waters Class A	Fresh Waters Class 1
Silver				
Upper Value	0.001 ug/L			
Pesticides				
Aldrin & Dieldrin				
Upper Value	0.003 ug/L			
Chlordane				
Upper Value	0.004 ug/L			
Demeton				
Upper Value	0.100 ug/L			
Endosulfan				
Upper Value	0.001 ug/L			
Endrin				
Upper Value	0.004 ug/L			
Heptachlor				
Upper Value	0.001 ug/L			
Lindane				
Upper Value	0.004 ug/L			
Malathion				
Upper Value	0.001 ug/L			
Methoxychlor				
Upper Value	0.030 ug/L			
Mirex				
Upper Value	0.001 ug/L			
Parathion				
Upper Value	0.040 ug/L			
Toxaphene				
Upper Value	0.005 ug/L			
Organics				
Phenols				
Upper Value	1.0 ug/L			
PCBs				
Upper Value	0.001 ug/L			
Bacteria				
Fecal Coliform				
Upper Value			Narr.	
Total Coliform				
Upper Value		Narr.		Narr.

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Fresh Waters
Class 2

Physical
Turbidity
Upper Value

5 NTU

Nutrients
Total Nitrogen
Upper Value
Phosphorus
Upper Value

1.50 mg/L

0.100 mg/L

Toxic Metals

Pesticides

Organics

Bacteria
Fecal Coliform
Upper Value

Narr.