



RULES AND REGULATIONS

Re: classification and standards for the waters of New Jersey

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REGULATIONS ESTABLISHING CERTAIN CLASSIFICATIONS TO BE ASSIGNED TO THE WATERS OF THIS STATE AND STANDARDS OF QUALITY TO BE MAINTAINED IN WATERS SO CLASSIFIED.

WHEREAS, Chapter 12 of Title 58 of the Revised Statutes of New Jersey (N.J.S.A. 58:12-3) provides that no plant for the treatment of domestic or industrial wastes or other polluting substance, from which the effluent is to flow into any of the waters of this State, shall be constructed except under such conditions as shall be approved by the State Department of Health, and

WHEREAS, The conservation of the quality and function of the waters of the streams of this State into which effluents from sewerage facilities are discharged and the minimizing of pollution of these waters is the over-riding consideration of the Department of Health of the State of New Jersey in its considerations of the approvals of designs for such treatment works, and

WHEREAS, The maintenance of reasonable quality of the waters of the streams of this State is the primary basis upon which the State Department of Health approves of the design of proposed sewerage facilities, and

WHEREAS, The Interdepartmental Committee on Stream Pollution Control Problems, established by the State Commissioners of Health and Conservation and Economic Development, on April 9, 1964, recommended certain classifications be assigned to the waters of this State and standards of quality to be maintained in waters so classified, be promulgated as regulations by the State Department of Health, and

WHEREAS, The State Department of Health has determined that classifications of the waters of this State and standards of quality to be maintained in such waters as proposed and recommended by the Interdepartmental Committee on Stream Pollution Problems in this State are reasonable and constitute a valuable administrative instrument to the Department in the administration of the New Jersey Stream Pollution Control Program,

NOW THEREFORE, The State Department of Health, pursuant to authority vested in it, promulgates the following regulations establishing certain classifications to be assigned the waters of this State and standards of quality to be maintained in such waters which are to be implemented from time to time by further regulations promulgated after public hearing defining the water or waters of this State to be assigned certain classifications and standards of quality to be maintained in such waters.

NEW JERSEY STATE DEPARTMENT OF HEALTH.  
Division of Clean Air and Water, Water Pollution Control Program.

NEW JERSEY STATE LIBRARY  
DEPARTMENT OF EDUCATION  
TRENTON, NEW JERSEY

Roscoe P. Kandle, M.D.  
State Commissioner of Health

Filed with Secretary of State: August 10, 1964

Effective Date: September 1, 1964

Amended: January 5, 1966, effective March 1, 1966; and, March 6, 1967, effective May 1, 1967.

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REGULATIONS ESTABLISHING CERTAIN CLASSIFICATIONS TO BE ASSIGNED TO THE WATERS OF THIS STATE AND STANDARDS OF QUALITY TO BE MAINTAINED IN WATERS SO CLASSIFIED.

FRESH WATERS

The fresh non-tidal surface waters of the State are herein classified as Classes FW-1, FW-2 and FW-3. For each classification there follow definitions and stream quality criteria.

Class FW-1

Definition: Fresh surface waters designated by authorized State Agencies as being set aside for posterity to represent the natural aquatic environment and its associated biota.

Criteria

These waters shall be maintained, as to quality, in their natural state.

Class FW-2

Definition: Fresh surface waters approved as sources of public potable water supply. These waters are to be suitable for public potable water supply after such treatment as shall be required by the State Department of Health. These waters shall be suitable also for all recreational purposes including fishing, the propagation and migration of native fish species desired for angling and other fish and aquatic life necessary thereto as well as any other reasonable uses.

Criteria

Conditions

Allowable Limits

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| 1. Floating solids, settleable solids, oil, grease, artificial coloring matter and turbidity.   | None of which are noticeable in the water or are deposited along the shore or on the aquatic substrata in quantities detrimental to the natural biota.                             |
| 2. Toxic or deleterious substances (including mineral acids, caustic alkali, cyanides, heavy metals, carbon dioxide, ammonia or ammonium compounds, chlorine, etc.) | None which would affect humans or be detrimental to the natural aquatic biota.   |
| 3. Odor and taste producing substances.   | None which are offensive to humans, detrimental to the aquatic biota or capable of producing offensive tastes and/or odors in water supplies and fauna used for human consumption. |
| 4. pH.  | Between 6.5 and 8.5 unless naturally outside thereof.  |
| 5. Dissolved Oxygen.  | Not less than 5.0 p.p.m. for trout waters; otherwise 4.0 p.p.m.  |
| 6. Thermal Discharges.  | None which detrimentally affect the natural aquatic biota, or reasonably anticipated reuse of the waters.  |

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Class FW-3

Definition: Fresh surface waters suitable for all purposes provided for under Class FW-2 except public potable water supply.

Criteria

<u>Conditions</u>	<u>Allowable Limits</u>
1. Floating solids, settleable solids, oil, grease and turbidity	None which are noticeable in the water or are deposited along the shore or on the aquatic substrata in quantities detrimental to the natural biota.
2. Toxic or deleterious substances (including mineral acids, caustic alkali, cyanides, heavy metals, carbon dioxide, ammonia or ammonium compounds, chlorine, etc.)	None which would affect humans or be detrimental to the natural aquatic biota.
3. Color, odor and taste producing substances.	None which are offensive to humans, detrimental to the aquatic biota or capable of producing offensive tastes and/or odors in fauna used for human consumption.
4. pH.	Between 6.5 and 8.5 unless naturally outside thereof.
5. Dissolved Oxygen.	Not less than 5.0 p.p.m. for trout waters; otherwise 4.0 p.p.m.
6. Therman Discharges.	None which detrimentally affect the natural aquatic biota, or reasonably anticipated reuse of the waters.

TIDAL WATERS

The tidal surface waters of the State, including interstate waters, are herein classified as Classes TW-1, TW-2 and TW-3. For each classification there follow definitions and stream quality criteria.

Class TW-1

Definition: Tidal surface waters suitable for all recreational purposes, as a source of public potable water supply where permitted, and, where shellfishing is permitted, to be suitable for such purposes.

Criteria

<u>Conditions</u>	<u>Allowable Limits</u>
1. Floating solids, settleable solids, oil, grease, sleek and turbidity.	None which are noticeable in the water or are deposited along the shore or on the aquatic substrata in quantities detrimental to the natural biota.

- 2. Toxic or deleterious substances (including mineral acids, caustic alkali, cyanides, heavy metals, carbon dioxide, ammonia or ammonium compounds, chlorine, etc.)
- 3. Color, odor and taste producing substances.
- 4. pH.
- 5. Dissolved Oxygen.
- 6. Thermal Discharges.
- 7. Coliform Bacteria.

None which would affect humans or be detrimental to the natural aquatic biota.

None which are offensive to humans, detrimental to the aquatic biota or capable of producing offensive tastes and/or odors in water supplies and fauna used for human consumption.

Between 6.5 and 8.5 unless naturally outside thereof.

Not less than 50% of saturation.

None which detrimentally affect the natural aquatic biota, or reasonably anticipated reuse of the waters.

The median MPN value in shellfish growing areas shall not be in excess of 70 per 100 milliliters.

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Class TW-2

Definition: Tidal surface waters having limited recreational value and ordinarily not acceptable for bathing but suitable for fish survival although perhaps not suitable for fish propagation. These waters shall not be an odor nuisance and shall not cause damage to pleasure craft having occasion to traverse the waters.

Criteria

Conditions

Allowable Limits

- 1. Floating solids, oil and grease.
- 2. Toxic and deleterious substances.
- 3. Taste and odor-producing substances.
- 4. pH.
- 5. Dissolved Oxygen.
- 6. Thermal discharges.

None which are noticeable in the water or contribute to the formation of sludge deposits along the shores.

None in such concentrations as to cause fish mortality or inhibit their natural migration.

None, either alone or in combination, which are offensive or that would produce offensive tastes and/or odors in fauna used for human consumption.

Between 6.5 and 8.5 unless naturally outside thereof.

Not less than 50% saturation.

None which detrimentally affect reasonable anticipated reuse of the waters.

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Class TW-3

Definition: Tidal surface waters used primarily for navigation, not recreation. These waters, although not expected to be used for fishing, shall provide for fish survival. These waters shall not be an odor nuisance and shall not cause damage to pleasure craft traversing them.

Criteria

<u>Conditions</u>	<u>Allowable Limits</u>
1. Floating solids, settleable solids, oil and grease.	None which are noticeable in the water or contribute to the formation of sludge deposits along the shores.
2. Toxic and deleterious substances.	None in such concentrations as to cause fish mortality or inhibit their natural migration.
3. Taste and odor producing substances.	None which shall be offensive or that would detrimentally affect finfish, shellfish or other aquatic life in higher quality waters.
4. pH.	Between 6.5 and 8.5 unless naturally outside thereof.
5. Dissolved Oxygen.	Not less than 30% of saturation or 3.0 p.p.m., whichever is less.

COASTAL WATERS

The waters of the Atlantic Ocean within 1500 feet from mean low tide or to a depth of 15 feet, whichever is more distant from the mean low tide line, are classified as CW-1.

The waters of the Atlantic Ocean not included under Class CW-1 are classified as CW-2, out to the three (3) mile limit.

Class CW-1

Definition: Ocean waters expected to be suitable for all recreational purposes including fishing, the propagation and migration of native fish species desired for angling and other fish and aquatic life necessary thereto as well as any other reasonable use.

Criteria

<u>Conditions</u>	<u>Allowable Limits</u>
1. Floating solids, settleable solids, oil, grease and turbidity.	None of which are noticeable in the water or contribute to the formation of sludge deposits along the shores.
2. Toxic and deleterious substances.	None which would affect humans or be detrimental to the natural aquatic biota.

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| 3. Color, taste and odor producing substances. | None which are offensive to humans, capable of producing offensive tastes and/or odors in fauna used for human consumption. |
| 4. pH  | Between 6.5 and 8.5 unless naturally outside thereof.   |
| 5. Dissolved Oxygen.                           | Not less than 50% saturation.   |
| 6. Thermal Discharges.                         | None which detrimentally affect the natural aquatic biota.  |

Class CW-2

Definition: Ocean waters expected to be suitable for all recreational uses, including those in Class CW-1, except bathing.

Criteria

<u>Conditions</u>	<u>Allowable Limits</u>
1. Floating solids, settleable solids, oil, grease and turbidity.	None of which are noticeable in the water or contribute to the formation of sludge deposits along the shores.
2. Toxic and deleterious substances.	None which would affect humans or be detrimental to the natural aquatic biota.
3. Color.	None which would impair the quality of CW-1 waters or detrimental to aquatic biota.
4. Taste and odor producing substances.	None which are offensive to humans, or capable of producing tastes and/or odors in fauna used for human consumption.
5. Dissolved Oxygen.	Not less than 50% saturation.
6. Thermal Discharges.	None which detrimentally affect the natural aquatic biota.

NEW JERSEY STATE DEPARTMENT OF HEALTH  
DIVISION OF CLEAN AIR AND WATER  
WATER POLLUTION CONTROL PROGRAM

REGULATIONS CONCERNING CLASSIFICATION OF THE SURFACE  
WATERS OF THE RARITAN RIVER BASIN  
INCLUDING RARITAN BAY

WHEREAS, the State Department of Health filed with the Secretary of State on August 10, 1964, regulations establishing certain classifications to be assigned the waters of this State and standards of quality to be maintained in such waters which are to be implemented from time to time by further regulations promulgated after public hearing defining the water or waters of this State to be assigned a certain classification and standards of quality to be maintained in such waters, said regulations bearing an effective date of September 1, 1964, and

WHEREAS, in public hearing conducted by the State Department of Health on December 8, 1964, classifications of the surface waters of the Raritan River Basin, including the Raritan Bay, as proposed by the State Department of Health were presented to the general public, and

WHEREAS, the State Department of Health has given careful and thorough consideration to all statements submitted at said hearing, as well as statements and briefs submitted thereafter by proponents and opponents of the proposed classifications of the surface waters of the Raritan River Basin including the Raritan Bay, and

WHEREAS, the Public Health Council of the Department of Health of the State of New Jersey at its meeting held on February 8, 1965, endorsed the establishment of classifications of the surface waters of the Raritan River Basin, including the Raritan Bay, as hereinbelow set forth,

NOW, THEREFORE, the State Department of Health promulgates the following regulations entitled "Classification of the Surface Waters of the Raritan River Basin, including the Raritan Bay."

NEW JERSEY STATE DEPARTMENT OF HEALTH

  
Roscoe P. Kandle, M.D.  
State Commissioner of Health

Filed with Secretary of State: March 22, 1965

Effective Date: April 15, 1965

CLASSIFICATION OF THE SURFACE WATERS OF THE  
RARITAN RIVER BASIN INCLUDING RARITAN BAY

Pursuant to authority vested in it under the provisions of Chapter 12, Title 58 of the Revised Statutes, the State Department of Health hereby promulgates the following classifications of the surface waters of the Raritan River Basin, including the Raritan Bay. Standards of Quality to be maintained in these waters as established by the State Department of Health are attached hereto.

- I.
  - A. Class FW-2 - The Raritan and Millstone Rivers and tributaries upstream of the confluence of the Raritan and Millstone Rivers.
  - B. Class FW-2 - The Middle Brook upstream of the intake of the Bound Brook Water Company.
  - C. Class FW-2 - The South River and tributaries upstream of the proposed tidal dam site and the Laurence Brook area upstream of Weston Mills Dam.
  - D. Class FW-2 - The Swimming River upstream of the intake of the Monmouth Consolidated Water Company.
- II.
  - A. Class FW-3 - The main stem of the Raritan River from its confluence with the Millstone River to the Fieldsville Dam.
  - B. Class FW-3 - The Middle Brook below the intake of the Bound Brook Water Company.
  - C. Class FW-3 - The Green Brook and its tributaries.
  - D. Class FW-3 - All other tributaries to the Raritan River between the Millstone River and the Fieldsville Dam.
  - E. Class FW-3 - The nontidal reaches of all other tributaries to the Raritan River and Raritan Bay downstream from Fieldsville Dam.
- III. Class TW-1 - The main stem of the Raritan River and the tidal reaches of tributaries thereto from Fieldsville Dam to and including the Raritan Bay and the tidal reaches of its tributaries, exclusive of the Arthur Kill. These waters are not a source of public potable water supply and, therefore, standards of quality and criteria referring exclusively to water supplies are not applicable. The standards of quality and bacterial criteria for shellfish growing areas are applicable only in areas where shellfish harvesting is permitted by the Department.

These waters shall be maintained in a condition suitable for all recreational purposes.

Filed with Secretary of State: March 22, 1965

Effective Date: April 15, 1965

NEW JERSEY STATE DEPARTMENT OF HEALTH  
DIVISION OF CLEAN AIR AND WATER  
WATER POLLUTION CONTROL PROGRAM

REGULATIONS CONCERNING TREATMENT OF WASTEWATERS, DOMESTIC AND INDUSTRIAL, SEPARATELY OR IN COMBINATION, DISCHARGED INTO THE WATERS OF THE RARITAN RIVER BASIN INCLUDING THE RARITAN BAY

WHEREAS, the State Department of Health is charged with the responsibility for the Stream Pollution Control Program, including the approval of the designs of wastewater treatment facilities, in the State of New Jersey, and

WHEREAS, the citizens of this State, particularly the citizens in the Raritan Valley, have been obliged in recent years to suffer repeatedly the consequences of serious oxygen depletion and other exemplifications of stream pollution in fresh water sections of the Raritan River as well as in the tidal estuary thereof, said exemplifications of stream pollution constituting threats to the public health, comfort or property of citizens of this State, and

WHEREAS, the State Department of Health did promulgate rules and regulations entitled "Regulations Establishing Certain Classifications to be Assigned to the Waters of this State and Standards of Quality to be Maintained in Waters so Classified," effective September 1, 1964, and

WHEREAS, the State Department of Health has concluded after extensive investigations and analyses of factual data assembled thereby that more intensive treatment of wastewaters must be provided throughout the Raritan River Basin in order to attain water quality specified by the aforesaid regulations of the Department, and

WHEREAS, the State Department of Health is of the opinion that the attainment and maintenance of water quality in the Raritan River Basin as specified by the aforesaid regulations of the Department is necessary in order to abate a present threat to the public health, comfort or property of citizens of this State,

NOW, THEREFORE, the State Department of Health promulgates the following regulations entitled "Regulations Concerning Treatment of Wastewaters, Domestic and Industrial, Separately or in Combination, Discharged into the Waters of the Raritan River Basin including the Raritan Bay."

NEW JERSEY STATE DEPARTMENT OF HEALTH

  
Roscoe P. Kandle, M.D.  
State Commissioner of Health

REGULATIONS CONCERNING TREATMENT OF WASTEWATERS, DOMESTIC AND INDUSTRIAL, SEPARATELY OR IN COMBINATION, DISCHARGED INTO THE WATERS OF THE RARITAN RIVER BASIN INCLUDING THE RARITAN BAY

Pursuant to authority vested in it under the provisions of Chapter 12, Title 58 of the Revised Statutes, the State Department of Health hereby promulgates the following regulations concerning treatment of wastewaters, domestic and industrial, separately or in combination, discharged into the waters of the Raritan River Basin.

- I. Henceforth, domestic wastes, separately or in combination with industrial wastes, prior to discharge into waters of the Raritan River Basin classified as FW-2 or FW-3, shall be treated to a degree providing, as a minimum, ninety percent (90%) of reduction of biochemical oxygen demand at all times, including any four-hour period of a day when the strength of the wastes to be treated might be expected to exceed average conditions.
- II. Henceforth, industrial wastes, prior to discharge into waters of the Raritan River Basin, classified as FW-2 or FW-3, shall be treated to a degree providing as a minimum, ninety percent (90%) of reduction of biochemical oxygen demand at all times and such further reduction in biochemical oxygen demand as may be necessary to maintain water in the River after dispersion of treated industrial waste effluents as specified in the rules and regulations entitled "Classification of the Surface Waters of the Raritan River Basin including Raritan Bay," effective April 15, 1965.
- III. Henceforth, domestic wastes, separately or in combination with industrial wastes, prior to discharge into waters of the Raritan River Basin classified as TW-1, shall be treated to a degree providing, as a minimum, eighty percent (80%) of reduction of biochemical oxygen demand at all times, including any four-hour period of a day when the strength of the wastes to be treated might be expected to exceed average conditions.
- IV. Henceforth, industrial wastes prior to discharge into waters of the Raritan River Basin, classified as TW-1, shall be treated to a degree providing, as a minimum, eighty percent (80%) of reduction of biochemical oxygen demand at all times and such further reduction of biochemical oxygen demand as may be necessary in order to maintain the waters of the River of a quality as specified by the rules and regulations entitled "Classification of the Surface Waters of the Raritan River Basin Including Raritan Bay," effective April 15, 1965.
- V. It is recognized, especially in connection with some industrial wastes, that the pollution load imposed upon the waters of the Basin cannot be evaluated fully exclusively by the biochemical oxygen demand test; therefore, each industrial waste problem shall be considered individually and treatment shall be required as needed to effect compliance with the Water Quality Criteria established for the various classifications of waters in the Basin.

VI. Treatment standards set by these regulations are the minimum acceptable for the Raritan River Basin. Treatment more intensive than that specified hereinabove shall be provided whenever it is determined by the State Department of Health in a particular situation that such treatment is necessary.

Filed with Secretary of State: December 23, 1965

Effective date: February 1, 1966

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REGULATIONS CONCERNING CLASSIFICATION OF THE SURFACE WATERS  
OF THE HACKENSACK RIVER BASIN

WHEREAS, the State Department of Health filed with the Secretary of State on August 10, 1964, regulations establishing certain classifications to be assigned the waters of this State and standards of quality to be maintained in such waters which are to be implemented from time to time by further regulations promulgated after public hearing defining the water or waters of this State to be assigned a certain classification and standards of quality to be maintained in such waters, said regulations bearing an effective date of September 1, 1964, and

WHEREAS, in public hearing conducted by the State Department of Health on July 15, 1965, classifications of the surface waters of the Hackensack River and tributaries, as proposed by the State Department of Health, were presented to the general public, and

WHEREAS, the State Department of Health has given careful and thorough consideration to all statements submitted at said hearing, as well as statements and briefs submitted thereafter by proponents and opponents of the proposed classifications of the surface waters of the Hackensack River Basin,

NOW, THEREFORE, the State Department of Health promulgates the following regulations entitled "Classification of the Surface Waters of the Hackensack River Basin."

NEW JERSEY STATE DEPARTMENT OF HEALTH

  
Roscoe P. Kandle, M. D.  
State Commissioner of Health

Filed with Secretary of State: December 30, 1965

Effective Date: March 1, 1966

CLASSIFICATION OF THE SURFACE WATERS OF THE  
HACKENSACK RIVER BASIN

Pursuant to authority vested in it under the provisions of Chapter 12, Title 58 of the Revised Statutes, the State Department of Health hereby promulgates the following classifications of the surface waters of the Hackensack River Basin. Standards of Quality to be maintained in these waters, as established by the State Department of Health, are attached hereto.

- I. Class FW-2 - Hackensack River Basin above Oradell Dam.
- II. Class FW-3 - Overpeck Creek and tributaries to tide dam and nontidal portions of tributaries to Hackensack River downstream from Oradell Dam.

- III. Class TW-1 - Hackensack River and all tidal portions of tributaries from Oradell Dam to confluence with Overpeck Creek.
- IV. A. Class TW-2 - Overpeck Creek and tidal tributaries from tide dam to confluence with Hackensack River.
- B. Class TW-2 - Berry's Creek and all tidal tributaries to Hackensack River below its confluence with Overpeck Creek.
- C. Class TW-2 - Hackensack River main stem from Overpeck Creek to the confluence with Berry's Creek.
- V. Class TW-3 - Hackensack River main stem downstream of Berry's Creek.

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The State Department of Health acknowledges that, with the exception of shellfish waters, no criteria for bacterial content of the various surface waters of the State have been established. This is not an oversight on the part of the Department and it is not to be interpreted as indicating that the Department does not consider bacterial content of significance. The Department has found no accepted consensus as to needed bacterial limitations on surface waters in general and no practical administrative procedures have been found for a program based upon bacterial content as a criterion of surface water quality. The Department is confident that proper maintenance and operation of wastewater treatment facilities will assure bacterial content of the surface waters of the State within limits sufficient to protect the interests of the citizens of this State.

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NEW JERSEY STATE DEPARTMENT OF HEALTH  
DIVISION OF CLEAN AIR AND WATER  
WATER POLLUTION CONTROL PROGRAM

REGULATIONS CONCERNING CLASSIFICATION OF THE SURFACE  
WATERS OF THE HUDSON RIVER, ARTHUR KILL AND TRIBUTARIES

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WHEREAS, the State Department of Health filed with the Secretary of State on August 10, 1964, regulations establishing certain classifications to be assigned the waters of this State and standards of quality to be maintained in such waters which are to be implemented from time to time by further regulations promulgated after public hearing defining the water or waters of this State to be assigned a certain classification and standards of quality to be maintained in such waters, said regulations bearing an effective date of September 1, 1964, and

WHEREAS, in public hearing conducted by the State Department of Health on February 15, 1966, classifications of the surface waters of the Hudson River, Arthur Kill and tributaries, as proposed by the State Department of Health were presented to the general public, and

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WHEREAS, the State Department of Health has given careful and thorough consideration to all statements submitted at said hearing, as well as statements and briefs submitted thereafter by proponents and opponents of the proposed classification of the surface waters of the Hudson River, Arthur Kill and tributaries,

NOW, THEREFORE, the State Department of Health promulgates the following regulations entitled "Classification of the Surface Waters of the Hudson River, Arthur Kill and Tributaries."

NEW JERSEY STATE DEPARTMENT OF HEALTH



Roscoe P. Kandle, M.D.  
State Commissioner of Health

Filed with Secretary of State: April 15, 1966

Effective Date: May 16, 1966

CLASSIFICATION OF THE SURFACE WATERS OF THE  
HUDSON RIVER, ARTHUR KILL AND TRIBUTARIES

Pursuant to authority vested in it under the provisions of Chapter 12, Title 58 of the Revised Statutes, the State Department of Health hereby promulgates the following classifications of the surface waters of the Hudson River, Arthur Kill and tributaries. Standards of Quality to be maintained in these waters as established by the State Department of Health are attached hereto.

- I. Hudson River and its New Jersey tributaries: TW-2, main stem from Hudson County-Richmond County line (confluence with Kill Van Kull), upstream to the Rockland County (N.Y.) - Bergen County (N.J.) boundary line.
1. Green Brook: FW-3 (tributary in Bergen County).
- II. Arthur Kill: TW-3, main channel from New York Bay, Constable Hook - St. George (Kill Van Kull) and by the Central R.R. of N.J. bridge crossing Newark Bay, south to the Outerbridge Crossing.

TW-2, for stretch between Outerbridge Crossing and Ferry Point-Wards Point at the Raritan Bay.

TW-3, tidal stretches of tributaries to Arthur Kill.

1. Elizabeth River: TW-3, up to Broad Street Bridge.

FW-4, Broad Street bridge to Ursino Pond.

FW-3, upstream from Ursino Pond dam.

2. Morses Creek: TW-3, tidal portion thereof, and Peach Orchard Brook drainage to head of tide.

FW-3, above head of tide on Morses Creek and Orchard Brook, including Warinanco Lake.

3. Piles Creek: TW-3.

FW-3, any fresh water tributaries thereto.

4. Rahway River: TW-3, up to head of tide.

FW-3, below intake of Rahway Water Department to head of tide.

FW-2, above intake of Rahway Water Department.

- a. Robinson's Branch: TW-3, head of tide (Hamilton Street) to Rahway River.

FW-3, downstream from Middlesex Water Company reservoir to Hamilton Street.

FW-2, upstream from the Middlesex Water Company reservoir dam.

b. South Branch Rahway River: TW-3, head of tide (Hazelwood Avenue) to Rahway River.

FW-3, upstream from Hazelwood Avenue.

5. Woodbridge Creek and its tributaries: TW-3, head of tide (vicinity of New Jersey Turnpike) to Arthur Kill.

FW-3, all waters upstream from head of tide.

6. Smith Creek: FW-3, for Creek and tributaries thereto above head of tide.

III. All fresh, nontidal waters not mentioned herein to be Class FW-3 and tidal waters as TW-2.

Filed with Secretary of State: April 15, 1966.

Effective Date: May 16, 1966.

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REGULATIONS CONCERNING CLASSIFICATION OF THE SURFACE  
WATERS OF THE PASSAIC RIVER BASIN

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WHEREAS, The State Department of Health filed with the Secretary of State on August 10, 1964, regulations establishing certain classifications to be assigned the waters of this State and standards of quality to be maintained in such waters which are to be implemented from time to time by further regulations promulgated after public hearing defining the water or waters of this State to be assigned a certain classification and standards of quality to be maintained in such waters, said regulations bearing an effective date of September 1, 1964, and

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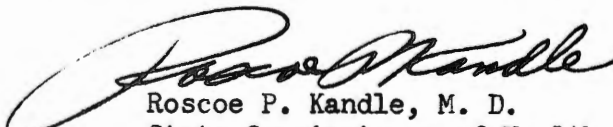
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WHEREAS, in public hearing conducted by the State Department of Health on May 19, 1966, classifications of the surface waters of the Passaic River Basin, as proposed by the State Department of Health were presented to the general public, and

WHEREAS, The State Department of Health has given careful and thorough consideration to all statements submitted at said Hearing, as well as statements and briefs submitted thereafter by proponents and opponents of the proposed classifications of the surface waters of the Passaic River Basin,

NOW, THEREFORE, The State Department of Health promulgates the following regulations entitled "Classification of the Surface Waters of the Passaic River Basin."

NEW JERSEY STATE DEPARTMENT OF HEALTH

  
Roscoe P. Kandle, M. D.  
State Commissioner of Health

Filed with Secretary of State: August 11, 1966

Effective Date: September 11, 1966

CLASSIFICATION OF THE SURFACE WATERS OF THE  
PASSAIC RIVER BASIN

Pursuant to authority vested in it under the provisions of Chapter 12, Title 58 of the Revised Statutes, the State Department of Health hereby promulgated the following classifications of the surface waters of the Passaic River Basin. Standards of Quality to be maintained in these waters as established by the State Department of Health are attached hereto.

## I. Class FW-1

Waters having the potential for this Class but that are not classified as such at this time may be recommended for such classification by public or private interests controlling the land area draining to the watercourse. Since the characteristics of surface waters are sometimes changed to the detriment of their natural biota by seemingly minor associations with domestic and/or agricultural activities, they must be inspected and approved before being classified. Requests for consideration in the classification of FW-1 waters should be directed to:

New Jersey State Department of Health  
 P. O. Box 1540  
 Trenton, New Jersey 08625

### A. State Forests and Parks

1. Cooley Brook, tributaries and Surprise Lake within A. S. Hewitt State Forest boundaries.
2. Green Brook, tributaries and West Pond within A. S. Hewitt State Forest boundaries.

### B. Newark Watershed

1. Echo Lake tributaries, except the southeasterly tributary.
2. Tributary of Pequannock River at Green Pond Junction.
3. Clinton Brook and tributaries, north of a point 2000' + northwest of LaRue Road at a confluence, including Cedar Pond, Buckabear Pond, Clinton Reservoir, Hanks Pond and all tributaries thereto.
4. Dunker Pond Brook, Dunker Pond and all tributaries thereto from a confluence 3000' + north of Route 23 bridge.
5. Tributary to the Pequannock River joining the main stem 3500' + southeast of the Sussex-Passaic County line, in the vicinity of Jefferson.
6. Pascack Brook and tributaries thereto north of Canistear Reservoir.
7. Cherry Ridge Brook and tributaries thereto north of Canistear Reservoir.
8. Easterly tributary to Canistear Reservoir.
9. Pequannock River and tributaries thereto upstream from the confluence with Pascack Brook.
10. Northwestern tributary to Oak Ridge Reservoir.
11. Tributary to Lake Stockholm Brook from the Route 23 bridge westerly within the Newark Watershed boundaries.
12. Lud-Day Brook downstream to its confluence with a tributary from Camp Garfield.

13. Brook between Hamburg Turnpike and Williamsville-Stockholm Road, downstream to its confluence with Lake Stockholm Brook, north of route 23.

C. State Fish and Game Lands

Stephens Brook north of State Division of Fish and Game Berkshire Valley Tract boundary.

II. Class FW-2

- A. Main stem and tributaries of Passaic River above the Little Falls, except FW-1 cited above.
- B. Saddle River and tributaries thereto and Hohokus Brook and tributaries thereto, upstream from the confluence of Saddle River with Hohokus Brook.
- C. Molly Ann Brook and tributaries thereto upstream of the Borough of Haledon potable water supply dam.

III. Class FW-3

- A. Saddle River and tributaries thereto upstream from head of tide to its confluence with Hohokus Brook.
- B. Main stem and tributaries of Passaic River between Dundee Lake Dam and the Little Falls.
- C. Nontidal reaches of tributaries to the Passaic River, below Dundee Lake Dam.
- D. Bound Creek upstream from head of tide, the Lake Weequatic.

IV. Class TW-2

- A. The tidal reaches of tributaries to the Passaic River.
- B. Tidal stretches of Bound Creek, and other tributaries to Newark Bay not otherwise classified.

V. Class TW-3

Newark Bay from Central Railroad of New Jersey Bridge and main stem of Passaic River to head of tide at Dundee Lake Dam and Saddle River to head of tide.

3  
REGULATIONS CONCERNING TREATMENT OF WASTEWATERS, DOMESTIC AND INDUSTRIAL,  
SEPARATELY OR IN COMBINATION, DISCHARGED INTO THE WATERS OF THE PASSAIC  
RIVER BASIN INCLUDING THE NEWARK BAY

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WHEREAS, the State Department of Health is charged with the responsibility for the  
Stream Pollution Control Program, including the approval of the designs of  
wastewater treatment facilities, in the State of New Jersey, and

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WHEREAS, the citizens of this State, particularly the citizens in the Passaic Valley,  
have been obliged in recent years to suffer repeatedly the consequences of  
serious oxygen depletion and other exemplifications of stream pollution in  
fresh water sections of the Passaic River as well as in the tidal estuary  
thereof, said exemplifications of stream constituting threats to the public  
health, comfort or property of citizens of this State, and

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WHEREAS, the State Department of Health did promulgate rules and regulations entitled  
"Regulations Establishing Certain Classifications to be Assigned to the  
Waters of this State and Standards of Quality to be Maintained in Waters so  
Classified," effective September 1, 1964, and

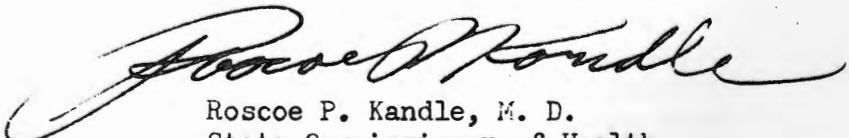
WHEREAS, the State Department of Health did promulgate rules and regulations entitled  
"Regulations Concerning Classification of the Surface Waters of the Passaic  
River Basin," effective September 11, 1966, and

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Dam.  
WHEREAS, the State Department of Health has concluded after extensive investigations  
and analyses of factual data assembled thereby that more intensive treatment  
of wastewaters must be provided throughout the Passaic River Basin in order  
to attain water quality specified by the aforesaid regulations of the  
Department, and

WHEREAS, the State Department of Health is of the opinion that the attainment and  
maintenance of water quality in the Passaic River Basin as specified by the  
aforesaid regulations of the Department is necessary in order to abate a  
present threat to the public health, comfort or property of citizens of  
this State,

saic  
NOW, THEREFORE, the State Department of Health promulgates the following regulations  
entitled "Regulations Concerning Treatment of Wastewaters, Domestic and  
Industrial, Separately or in Combination, Discharged into the Waters of the  
Passaic River Basin including the Newark Bay."

NEW JERSEY STATE DEPARTMENT OF HEALTH

  
Roscoe P. Kandle, M. D.  
State Commissioner of Health

REGULATIONS CONCERNING TREATMENT OF WASTEWATERS, DOMESTIC AND INDUSTRIAL, SEPARATELY OR IN COMBINATION, DISCHARGED INTO THE WATERS OF THE PASSAIC RIVER INCLUDING THE NEWARK BAY

Pursuant to the authority vested in it under the provisions of Chapter 12, Title 58 of the Revised Statutes, the State Department of Health hereby promulgates the following regulations concerning treatment of wastewaters, domestic and industrial, separately or in combination, discharged into the waters of the Passaic River Basin.

- I. Henceforth, domestic wastes, separately or in combination with industrial wastes, prior to discharge into waters of the Passaic River Basin classified as FW-2 or FW-3, shall be treated to a degree providing, as a minimum, ninety percent (90%) of reduction of biochemical oxygen demand at all times, including any four-hour period of a day when the strength of the wastes to be treated might be expected to exceed average conditions; it is the objective of this regulation that the biochemical oxygen demand of effluents discharged shall not exceed 25 parts per million.
- II. Henceforth, industrial wastes, prior to discharge into waters of the Passaic River Basin, classified as FW-2 or FW-3, shall be treated to a degree providing as a minimum, ninety percent (90%) of reduction of biochemical oxygen demand at all times and such further reduction in biochemical oxygen demand as may be necessary to maintain water in the River after dispersion of treated industrial waste effluents as specified in the rules and regulations entitled "Regulations Concerning Classification of the Surface Waters of the Passaic River Basin," effective September 11, 1966; it is the objective of this regulation that the biochemical oxygen demand of effluents discharged shall not exceed 25 parts per million.
- III. Henceforth, domestic wastes, separately or in combination with industrial wastes, prior to discharge into waters of the Passaic River Basin classified as TW-2 or TW-3 shall be treated to a degree providing, as a minimum, eighty percent (80%) of reduction of biochemical oxygen demand at all times, including any four-hour period of a day when the strength of the wastes to be treated might be expected to exceed average conditions; it is the objective of this regulation that the biochemical oxygen demand of effluents discharged shall not exceed 50 parts per million.
- IV. Henceforth, industrial wastes prior to discharge into waters of the Passaic River Basin, classified as TW-2 or TW-3, shall be treated to a degree providing, as a minimum, eighty percent (80%) of reduction of biochemical oxygen demand at all times and such further reduction of biochemical oxygen demand as may be necessary in order to maintain the waters of the River of a quality as specified by the rules and regulations entitled "Classification of the Surface Waters of the Passaic River Basin," effective September 11, 1966; it is the objective of this regulation that the biochemical oxygen demand of effluents discharged shall not exceed 50 parts per million.

- V. It is recognized, especially in connection with some industrial wastes, that the pollution load imposed upon the waters of the Basin cannot be evaluated fully exclusively by the biochemical oxygen demand test; therefore, each industrial waste problem shall be considered individually and treatment shall be required as needed to effect compliance with the Water Quality Criteria established for the various classifications of waters in the Basin.
- VI. Treatment standards set by these regulations are the minimum acceptable for the Passaic River Basin. Treatment more intensive than that specified hereinabove shall be provided whenever it is determined by the State Department of Health in a particular situation that such treatment is necessary.

Filed with Secretary of State: December 13, 1966

Effective Date: February 1, 1967

3  
REGULATIONS CONCERNING TREATMENT OF WASTEWATERS, DOMESTIC AND INDUSTRIAL  
SEPARATELY OR IN COMBINATION, DISCHARGED INTO THE WATERS OF THE  
HACKENSACK RIVER BASIN

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WHEREAS, the State Department of Health is charged with the responsibility for the Stream Pollution Control Program, including the approval of the designs of wastewater treatment facilities, in the State of New Jersey, and

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WHEREAS, the citizens of this State, particularly the citizens in the Hackensack Valley, have been obliged in recent years to suffer repeatedly the consequences of serious oxygen depletion and other exemplifications of stream pollution in fresh water sections of the Hackensack River as well as in the tidal estuary thereof, said exemplifications of stream pollution constituting threats to the public health, comfort or property of citizens of this State, and

WHEREAS, the State Department of Health did promulgate rules and regulations entitled "Regulations Establishing Certain Classifications to be Assigned to the Waters of this State and Standards of Quality to be Maintained in Waters so Classified," effective September 1, 1964, and

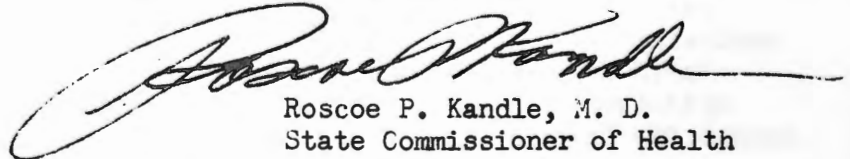
WHEREAS, the State Department of Health did promulgate rules and regulations entitled "Regulations Concerning Classification of the Surface Waters of the Hackensack River Basin," effective March 1, 1966, and

WHEREAS, the State Department of Health has concluded after extensive investigations and analyses of factual data assembled thereby that more intensive treatment of wastewaters must be provided throughout the Hackensack River Basin in order to attain water quality specified by the aforesaid regulations of the Department, and

WHEREAS, the State Department of Health is of the opinion that the attainment and maintenance of water quality in the Hackensack River Basin as specified by the aforesaid regulations of the Department is necessary in order to abate a present threat to the public health, comfort or property of citizens of this State,

NOW, THEREFORE, the State Department of Health promulgates the following regulations entitled "Regulations Concerning Treatment of Wastewaters, Domestic and Industrial, Separately or in Combination, Discharged into the Waters of the Hackensack River Basin."

NEW JERSEY STATE DEPARTMENT OF HEALTH



Roscoe P. Kandle, M. D.  
State Commissioner of Health

REGULATIONS CONCERNING TREATMENT OF WASTEWATERS, DOMESTIC AND INDUSTRIAL, SEPARATELY OR IN COMBINATION, DISCHARGED INTO THE WATERS OF THE HACKENSACK RIVER

Pursuant to the authority vested in it under the provisions of Chapter 12, Title 58 of the Revised Statutes, the State Department of Health hereby promulgates the following regulations concerning treatment of wastewaters, domestic and industrial, separately or in combination, discharged into the waters of the Hackensack River Basin.

- I. Henceforth, domestic wastes, separately or in combination with industrial wastes, prior to discharge into waters of the Hackensack River Basin classified as FW-2, FW-3, or TW-1 shall be treated to a degree providing, as a minimum, ninety percent (90%) of reduction of biochemical oxygen demand at all times, including any four-hour period of a day when the strength of the wastes to be treated might be expected to exceed average conditions; it is the objective of this regulation that the biochemical oxygen demand of effluents discharged shall not exceed 25 parts per million.
- II. Henceforth, industrial wastes, prior to discharge into waters of the Hackensack River Basin, classified as FW-2, FW-3 or TW-1 shall be treated to a degree providing, as a minimum, ninety percent (90%) of reduction of biochemical oxygen demand at all times and such further reduction in biochemical oxygen demand as may be necessary to maintain water in the River after dispersion of treated industrial waste effluents as specified in the rules and regulations entitled "Regulations Concerning Classification of the Surface Waters of the Hackensack River Basin," effective March 1, 1966; it is the objective of this regulation that the biochemical oxygen demand of effluents discharged shall not exceed 25 parts per million.
- III. Henceforth, domestic wastes, separately or in combination with industrial wastes, prior to discharge into waters of the Hackensack River Basin classified as TW-2 or TW-3 shall be treated to a degree providing, as a minimum, eighty percent (80%) of reduction of biochemical oxygen demand at all times, including any four-hour period of a day when the strength of the wastes to be treated might be expected to exceed average conditions; it is the objective of this regulation that the biochemical oxygen demand of effluents discharged shall not exceed 50 parts per million.
- IV. Henceforth, industrial wastes prior to discharge into waters of the Hackensack River Basin, classified as TW-2 or TW-3, shall be treated to a degree providing, as a minimum, eighty percent (80%) of reduction of biochemical oxygen demand at all times and such further reduction of biochemical oxygen demand as may be necessary in order to maintain the waters of the River of a quality as specified by the rules and regulations entitled "Classification of the Surface Waters of the Hackensack River Basin," effective March 1, 1966; it is the objective of this regulation that the biochemical oxygen demand of effluents discharged shall not exceed 50 parts per million.

- V. It is recognized, especially in connection with some industrial wastes, that the pollution load imposed upon the waters of the Basin cannot be evaluated fully exclusively by the biochemical oxygen demand test; therefore each industrial waste problem shall be considered individually and treatment shall be required as needed to effect compliance with the Water Quality Criteria established for the various classifications of waters in the Basin.
- VI. Treatment standards set by these regulations are the minimum acceptable for the Hackensack River Basin. Treatment more intensive than that specified hereinabove shall be provided whenever it is determined by the State Department of Health in a particular situation that such treatment is necessary.

Filed with Secretary of State: February 21, 1967

Effective Date: March 17, 1967

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REGULATIONS CONCERNING CLASSIFICATION OF THE SURFACE  
WATERS OF THE ATLANTIC COASTAL PLAIN

WHEREAS, the State Department of Health of the State of New Jersey did promulgate "Regulations Establishing Certain Classifications to be Assigned to the Waters of this State and Standards of Quality to be Maintained in Waters so Qualified," effective September 1, 1964, and amended the said Regulations on January 5, 1966 and March 6, 1967, and

WHEREAS, in public hearings conducted by the State Department of Health on March 15, 22 and 29, 1967, classifications of the surface waters of the Atlantic Coastal Plain, as proposed by the State Department of Health, were presented to the general public, and

WHEREAS, the State Department of Health has given careful and thorough consideration to all statements submitted at said hearings, as well as statements and briefs submitted thereafter, relating to the proposed Classifications of the Surface Waters of the Atlantic Coastal Plain,

NOW, THEREFORE, the State Department of Health promulgates the following regulations entitled "Classification of the Surface Waters of the Atlantic Coastal Plain."

NEW JERSEY STATE DEPARTMENT OF HEALTH



Roscoe P. Kandle, M.D.  
State Commissioner of Health

Filed with Secretary of State: April 27, 1967

Effective Date: May 24, 1967

CLASSIFICATION OF THE SURFACE WATERS OF THE  
ATLANTIC COASTAL PLAIN

Pursuant to authority vested in it under the provisions of Chapter 12, Title 58 of the Revised Statutes, the State Department of Health hereby promulgates the following classifications of the surface waters of the Atlantic Coastal Plain. Standards of Quality to be maintained in these waters as established by the State Department of Health are attached hereto.

I. Class FW-1

Waters having the potential for this Class but which are not classified as such at this time may be recommended for such classification by public or private interests controlling the land area draining to the watercourse. Because of the restrictive-use nature of the FW-1 classification any waters thus designated must be contiguous with their source. Also, since the characteristics of surface waters are sometimes changed to the detriment of their natural biota by seemingly minor associations with domestic and/or agricultural activities, they must be inspected and approved before being classified. Requests for consideration in the classification of FW-1 waters should be directed to:

New Jersey State Department of Health  
P.O. Box 1540  
Trenton, N. J. 08625

A. FW-1 Manasquan River Drainage

Allaire State  
Park

1. That portion of the second southerly tributary of the Manasquan River west of Hospital Road situated wholly within the Allaire State Park boundaries.
2. The easterly tributary of the brook feeding Brisbane Lake located wholly within the Allaire State Park boundaries downstream to its confluence with the westerly tributary.

B. FW-1 Cedar Creek Drainage

Greenwood  
Forest Fish  
& Game Tract

1. Webbs Mill Branch and tributaries situated wholly within the Greenwood Forest boundaries.
2. Chamberlain's Branch and tributaries situated wholly within the Greenwood Forest boundaries upstream from the blueberry farm exception, also other tributaries to Chamberlain's Branch situated wholly within the Greenwood Forest Tract boundaries.

FW-1 Wading River Drainage

1. Westerly tributary to the Howardsville Cranberry Bog Reservoir and tributaries thereto situated wholly within the Greenwood Forest Tract boundaries.

C. FW-1 Barnegat Bay Drainage

Island Beach  
State Park

1. All the fresh water ponds on Island Beach State

D. FW-1 Manahawkin Creek Drainage

1. Tommy's Branch from its headwaters downstream to Bass River State Forest Recreation Area service
2. Falkenburg Branch of Lake Absegami from its headwaters downstream to the lake.

E. FW-1 Mullica River Drainage

Wharton Tract

1. Deep Run and tributaries thereto from its headwaters downstream to Springer's Brook.
2. Skit Branch from its headwaters downstream to its confluence with Robert's Branch.
3. Tulpehocken Creek and tributaries thereto from its origin downstream to its confluence with Feathered Branch.
4. The westerly tributaries to Tulpehocken Creek and natural ponds within the lands bounded by Hawkins Hampton Gate Road, and Sandy Ridge Road.
5. Stream in the southeasterly corner of the Wharton Tract lying between Ridge Road and Seaf Weeks Road downstream to Wharton Tract boundary.
6. Brook and tributaries between and immediately to west of Tylertown and Crowleytown from its headwaters downstream to the head of tide at mean high water.
7. The easterly branches of the Batsto River from Batsto Village upstream to the confluence of Skits Branch.
8. Gun Branch from its headwaters downstream to U. S. Route 206.

NOTE: All boundaries referred to as they existed December 1966.

F. FW-1 Great Egg Harbor River Drainage

Tuckahoe Public  
Hunting and  
Fishing Grounds

1. Hawkin's Creek and the next adjacent tributary to Great Egg Harbor River lying to the north from its origin downstream to where the influence of impoundment occurs.

II. Class FW-2

- A. Cranberry Brook and tributaries thereto upstream from the intake of the Monmouth Consolidated Water Company near the New York-Long Branch Railroad Crossing.
- B. Shark River and tributaries thereto upstream from Remson's Mill Road.
- C. Jumping Brook and tributaries thereto above intake of Monmouth Consolidated Water Company near Old Corlies Avenue.
- D. Main stem of Manasquan River and tributaries thereto upstream from Garden State Parkway.
- E. All fresh waters of the Plain, from Manasquan River to and including the Mullica River, upstream from the head of tide.
- F. Absecon Creek and tributaries thereto upstream from Atlantic City Reservoir Dam in the City of Absecon.
- G. Patcong Creek and tributaries thereto upstream from Patcong Lake Dam.

III. Class FW-3

- A. Lake Takanassee
- B. Poplar Brook

Deal Lake and tributaries thereto			
Sunset Lake and	"	"	"
Lake Wesley and	"	"	"
Fletcher Lake and	"	"	"
Sylvan Lake and	"	"	"

- C. Shark River and tributaries thereto downstream from Remson's Mill Road to head of tide.
- D. Jumping Brook and tributaries thereto downstream from Old Corlies Avenue to head of tide.
- E. Silver Lake and tributaries thereto
- |             |   |   |   |
|-------------|---|---|---|
| Lake Como   | " | " | " |
| Spring Lake | " | " | " |
| Wreck Pond  | " | " | " |
- F. Fresh water reaches of main stem of Manasquan River and tributaries downstream from Garden State Parkway.
- G. Absecon Creek and tributaries thereto downstream from above dam to head of tide.

- H. Patcong Creek and tributaries thereto downstream from Patcong Lake dam to head of tide.
- J. All other fresh waters of the Plain not delineated upstream from head of tide.

IV. Class TW-1

- A. All tidal waters of Shark River and tributaries thereto from head of tide to surf waters.
- B. All tidal waters of Jumping Brook and tributaries thereto downstream from head of tide to Shark River and to surf waters.
- C. Tidal waters of main stem of Manasquan River and of tributaries thereto downstream from near the Garden State Parkway to surf waters.
- D. All other tidal waters of the Plain downstream from the head of tide to surf waters.

V. Class CW-1

Ocean waters within 1,500 feet from mean low tide to a depth of 15 feet, whichever is more distant from the mean low tide line, from Sandy Hook to Cape May Point.

VI. Class CW-2

Ocean waters of the Plain not included under Class CW-1 out to the "three mile limit."

Filed with the Secretary of State: April 27, 1967

Effective Date: May 24, 1967

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NEW JERSEY STATE DEPARTMENT OF HEALTH  
DIVISION OF CLEAN AIR AND WATER  
WATER POLLUTION CONTROL PROGRAM

REGULATIONS CONCERNING TREATMENT OF WASTEWATERS, DOMESTIC AND INDUSTRIAL, SEPARATELY OR IN COMBINATION, DISCHARGED INTO THE WATERS OF THE ATLANTIC COASTAL PLAIN, INCLUDING THE ATLANTIC OCEAN

- WHEREAS, the State Department of Health is charged with the responsibility for the Water Pollution Control Program, including the approval of the designs of wastewater treatment facilities, in the State of New Jersey, and
- WHEREAS, the citizens of this State, particularly the citizens in the Atlantic Coastal Plain, have been obliged in recent years to suffer repeatedly the consequences of serious oxygen depletion and other exemplifications of pollution in waters of the Atlantic Coastal Plain, said exemplifications of water pollution constituting threats to the public health, comfort or property of citizens of this State, and
- WHEREAS, the State Department of Health did promulgate rules and regulations entitled "Regulations Establishing Certain Classifications to be Assigned to the Waters of this State and Standards of Quality to be Maintained in Waters so Classified," effective September 1, 1964, and amended said rules and regulations on January 5, 1966 and March 6, 1967, and
- WHEREAS, the State Department of Health has concluded after extensive investigations and analyses of factual data that more intensive treatment of wastewaters must be provided throughout the Atlantic Coastal Plain in order to attain water quality specified by the aforesaid regulations of the Department, and
- WHEREAS, the State Department is of the opinion that the attainment and maintenance of water quality in the Atlantic Coastal Plain as specified by the aforesaid regulations of the Department is necessary in order to abate a present threat to the public health, comfort or property of citizens of this State,
- NOW, THEREFORE, the State Department of Health promulgates the following regulations entitled "Regulations Concerning Treatment of Wastewaters, Domestic and Industrial, Separately or in Combination, Discharged into the Waters of the Atlantic Coastal Plain, including the Atlantic Ocean."

NEW JERSEY STATE DEPARTMENT OF HEALTH

  
Roscoe P. Kandle, M.D.  
State Commissioner of Health

Filed with Secretary of State: May 1, 1967

Effective Date: June 1, 1967

REGULATIONS CONCERNING TREATMENT OF WASTEWATERS, DOMESTIC AND INDUSTRIAL SEPARATELY OR IN COMBINATION, DISCHARGED INTO THE WATERS OF THE ATLANTIC COASTAL PLAIN, INCLUDING THE ATLANTIC OCEAN

Pursuant to the authority vested in it under the Provisions of Chapter 12, Title 58 of the Revised Statutes, the State Department of Health hereby promulgates the following regulations concerning treatment of wastewaters, domestic and industrial, separately or in combination, discharged into the waters of the Atlantic Coastal Plain.

- I. Henceforth, domestic wastes, separately or in combination with industrial wastes, prior to discharge into waters of the Atlantic Coastal Plain classified as FW-2 or FW-3 or TW-1, shall be treated to a degree providing, as a minimum, ninety-five percent (95%) of reduction of biochemical oxygen demand at all times including any four-hour period of a day when the strength of the wastes to be treated might be expected to exceed average conditions; it is an objective of this regulation that the biochemical oxygen demand of effluents discharged shall not exceed 15 parts per million.
- II. Henceforth, industrial wastes, prior to discharge into waters of the Atlantic Coastal Plain, classified as FW-2, FW-3 or TW-1, shall be treated to a degree providing, as a minimum, ninety-five percent (95%) of reduction of biochemical oxygen demand at all times and such further reduction in biochemical oxygen demand as may be necessary to maintain receiving waters, after reasonable effluent dispersion, as specified in the rules and regulations entitled "Regulations Concerning Classification of the Surface Waters of the Atlantic Coastal Plain," effective May 24, 1967; it is an objective of this regulation that the biochemical oxygen demand of effluents discharged shall not exceed 15 parts per million.
- III. Henceforth, domestic wastes, separately or in combination with industrial wastes, prior to discharge into waters of the Atlantic Coastal Plain classified as CW-1 or CW-2, shall be treated to a degree providing, as a minimum, eighty-five percent (85%) of reduction of biochemical oxygen demand at all times, including any four-hour period of a day when the average of the wastes to be treated might be expected to exceed average conditions; it is an objective of this regulation that the biochemical oxygen demand of effluents discharged shall not exceed 40 parts per million.
- IV. Henceforth, industrial wastes prior to discharge into waters of the Atlantic Coastal Plain, classified as CW-1 or CW-2, shall be treated to a degree providing, as a minimum, eighty-five percent (85%) of reduction of biochemical oxygen demand at all times and such further reduction of biochemical oxygen demand as may be necessary in order to maintain the receiving waters in a quality as specified by the rules and regulations entitled "Classification of the Surface Waters of the Atlantic Coastal Plain," effective May 24, 1967.
- V. It is recognized, especially in connection with some industrial wastes, that the pollution load imposed upon the waters of the Plain cannot be evaluated fully exclusively by the biochemical oxygen demand test; therefore, each industrial waste problem shall be considered individually and treatment shall be required as needed to effect compliance with the Water Quality Criteria established for the various classifications of waters in the Plain.

VI. Treatment standards set by these regulations are the minimum acceptable for the Atlantic Coastal Plain. Treatment more intensive than that specified hereinabove shall be provided whenever it is determined by the State Department of Health that such treatment is necessary.

Filed with Secretary of State: May 1, 1967

Effective Date: June 1, 1967

NEW JERSEY STATE DEPARTMENT OF HEALTH  
DIVISION OF CLEAN AIR AND WATER  
WATER POLLUTION CONTROL PROGRAM

REGULATIONS CONCERNING CLASSIFICATION OF THE SURFACE  
WATERS OF THE WALLKILL RIVER BASIN

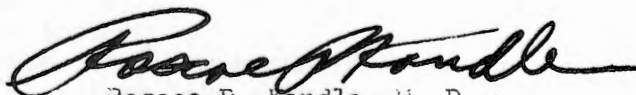
WHEREAS, the State Department of Health of the State of New Jersey did promulgate "Regulations Establishing Certain Classifications to be Assigned to the Waters of this State and Standards of Quality to be Maintained in Waters so Classified," effective September 1, 1964, and amended the said Regulations on January 5, 1966, and March 6, 1967, and

WHEREAS, in public hearing conducted by the State Department of Health on June 19, 1967, classifications of the surface waters of the Wallkill River Basin, as proposed by the State Department of Health, were presented to the general public, and

WHEREAS, the State Department of Health has given careful and thorough consideration to all statements submitted at said hearings, as well as statements and briefs submitted thereafter, relating to the proposed Classifications of the Surface Waters of the Wallkill River Basin,

NOW, THEREFORE, the State Department of Health promulgates the following regulations entitled "Classification of the Surface Waters of the Wallkill River Basin."

NEW JERSEY STATE DEPARTMENT OF HEALTH



Roscoe P. Kandle, M. D.  
State Commissioner of Health

Filed with Secretary of State: June 28, 1967

Effective Date: July 28, 1967

NEW JERSEY STATE DEPARTMENT OF HEALTH  
DIVISION OF CLEAN AIR AND WATER  
WATER POLLUTION CONTROL PROGRAM

CLASSIFICATION OF THE SURFACE WATERS OF THE  
WALLKILL RIVER BASIN

Pursuant to authority vested in it under the provisions of Chapter 12, Title 58 of the Revised Statutes, the State Department of Health hereby promulgates the following classifications of the surface waters of the Wallkill River Basin. Standards of Quality to be maintained in these waters as established by the State Department of Health are attached hereto.

Class FW-1:

Waters having the potential for this Class but that are not classified as such at this time may be so classified by public or private interests controlling the land area draining to the watercourse. Because of the restrictive-use nature of the FW-1 classification any waters thus designated must be contiguous with their source. Also, since the characteristics of surface waters are sometimes changed to the detriment of their natural biota by seemingly minor associations with domestic and/or agricultural activities, they must be inspected and approved before being classified. Requests for consideration in the classification of FW-1 waters should be directed to:

New Jersey State Department of Health  
P. O. Box 1540  
Trenton, New Jersey 08625

1. Lake Lookout Brook and tributaries from its headwaters in the Newark Watershed downstream through the property of Sussex Woodlands Inc. into the State-owned Wawayanda Tract to its confluence with the outlet stream from Lake Wawayanda.
2. Laurel Pond including its outlet stream and tributaries down to the outlet stream from Lake Wawayanda.
3. The upstream portion of Sand Hills Brook situated within the boundaries of the Hamburg Mountain Tract.
4. All those portions of three (3) tributaries to the Black River originating in the Hamburg Mountain Tract from their origin downstream to the tract boundary.
5. Lake Rutherford, the water supply for Sussex Borough, northwest of Colesville.
6. Those portions of the two (2) northernmost tributaries to Clove Brook situated wholly within High Point State Park immediately east of Steenykill Lake.

7. The Cedar Swamp headwaters of the tributary to Rutgers Creek situated wholly within High Point State Park just south of the New Jersey-New York line.

(Note: Boundaries as of January 31, 1967.)

Class FW-2:

Wallkill River, and tributaries thereto, upstream from intake of Borough of Franklin water works at Franklin Pond.

Branch of Pochuck Creek, supply of the Highland Lakes Improvement Company.

Class FW-3:

The Wallkill River and all tributaries thereto except those classified as FW-1, or FW-2, above.

Filed with the Secretary of State: June 28, 1967

Effective date: July 28, 1967

NEW JERSEY STATE DEPARTMENT OF HEALTH  
DIVISION OF CLEAN AIR AND WATER  
WATER POLLUTION CONTROL PROGRAM

REGULATIONS CONCERNING CLASSIFICATION OF THE SURFACE  
WATERS OF THE DELAWARE RIVER BASIN,  
BEING WATERS OF THE STATE OF NEW JERSEY

WHEREAS, the State Department of Health of the State of New Jersey did promulgate "Regulations Establishing Certain Classifications to be Assigned to the Waters of this State and Standards of Quality to be Maintained in Waters so Classified," effective September 1, 1964, and amended the said Regulations on January 5, 1966 and March 6, 1967, and

WHEREAS, in public hearings conducted by the Delaware River Basin Commission for itself and on behalf of the State Department of Health on January 26, 1967 and March 30, 1967, classifications of the surface waters of the Delaware River Basin, as proposed by the Commission and the State Department of Health, were presented to the general public, and

WHEREAS, the State Department of Health has given careful and thorough consideration to all statements submitted at said hearings relating to the proposed Classifications of the Surface Waters of the Delaware River Basin,

NOW, THEREFORE, the State Department of Health promulgates the following regulations entitled "Classification of the Surface Waters of the Delaware River Basin, Being Waters of the State of New Jersey,"

NEW JERSEY STATE DEPARTMENT OF HEALTH



Roscoe P. Kandle, M. D.  
State Commissioner of Health

Filed with Secretary of State: June 28, 1967

Effective Date: July 28, 1967

NEW JERSEY STATE DEPARTMENT OF HEALTH  
DIVISION OF CLEAN AIR AND WATER  
WATER POLLUTION CONTROL PROGRAM

CLASSIFICATION OF THE SURFACE WATERS OF THE DELAWARE RIVER BASIN,  
BEING WATERS OF THE STATE OF NEW JERSEY

Pursuant to authority vested in it under the provisions of Chapter 12, Title 58 of the Revised Statutes, the State Department of Health hereby promulgates the following classifications of the surface waters of the Delaware River Basin, Being Waters of the State of New Jersey. Standards of Quality to be Maintained in these waters as established by the State Department of Health and the Delaware River Basin Commission are attached hereto.

I. Class FW-1

Waters having the potential for this Class but which are not classified as such at this time may be recommended for such classification by public or private interests controlling the land area draining to the watercourse. Because of the restrictive-use nature of the FW-1 classification any waters thus designated must be contiguous with their source. Also, since the characteristics of surface waters are sometimes changed to the detriment of their natural biota by seemingly minor associations with domestic and/or agricultural activities, they must be inspected and approved before being classified. Requests for consideration in the classification of FW-1 waters should be directed to:

New Jersey State Department of Health  
P. O. Box 1540  
Trenton, New Jersey 08625

A. FW-1 Clove Brook Drainage

High Point  
State Park

1. The second and third northerly tributaries to Clove Brook and tributaries thereto downstream of Steenykill Lake to their confluence with Clove Brook or the High Point State Park Boundary.
2. The northerly tributary to Mill Brook due west of Steenykill Lake within the High Point State Park Boundary.

B. FW-1 Shimers Brook Drainage

High Point  
State Park

1. All that portion and tributaries to Shimers Brook within the High Point State Park boundaries.

C. FW-1 Flatbrook Drainage

High Point State  
Park and Stokes  
State Forest

All surface waters of the Flatbrook Drainage within the boundaries of High Point State Park and Stokes State Forest except the following which are classified FW-2:

1. Saw Mill Pond and Big Flatbrook downstream.
2. Mashipacong Pond and its outlet stream (Parker Brook) to its confluence with the Big Flatbrook.
3. Lake Wapalanne and its outlet stream to its confluence with the Big Flatbrook.
4. Lake Ocquittunk and waters connecting it with the Big Flatbrook.
5. Stony Lake and its outlet stream (Stony Brook) downstream to its confluence with the Big Flatbrook.
6. Kittatinny Lake, that portion of its inlet stream outside the Stokes State Forest boundary, its outlet stream including the Shotwell Camping Area tributary to its confluence with the Big Flatbrook.
7. Deer Lake, its outlet stream to Lake Ashroe, Lake Ashroe and portions of its tributaries outside the Stokes State Forest boundaries, and its outlet stream to its confluence with the Big Flatbrook.
8. Lake Shawanni and its outlet stream to its confluence with the Big Flatbrook.
9. Crigger Brook and tributary to its confluence with the Big Flatbrook.

D. FW-1 Flatbrook

Fish and Game  
Tracts

1. Tributary to the Little Flatbrook originating north of the Bevans-Layton Road downstream to the first pond adjacent to the Fish and Game headquarters building.
2. Two tributaries to the Big Flatbrook originating along Struble Road in Stokes State Forest downstream to their confluence with the Big Flatbrook on Fish and Game property boundary.

E. FW-1 Pequest Drainage

Wittingham Tract

- 1. Northwesterly tributaries to the Pequest including Big Spring within the Wittingham Tract (southwest of Springdale) from their origin to their confluence with the Pequest River.

Johnsonburg Tract

- 2. Mud Pond and outlet stream down to the Erie-Lackawanna Railroad trestle north of Johnsonburg.

F. FW-1 Crosswicks Creek Drainage

Colliers Mills Fish & Game Tract

- 1. All tributaries to Lahaway Creek originating in the Colliers Mills Tract NNE of Archers Corner from their origin down to Lahaway Creek.

G. FW-1 Rancocas Creek Drainage

Lebanon State Forest

- 1. Deer Park Branch and tributaries thereto near Buckingham Downstream to its confluence with Pole Bridge Branch.
- 2. Middle Branch and tributaries to the South Branch of Mount Misery Brook located wholly within Lebanon State Forest.
- 3. Cooper Branch and tributaries downstream to Pakim Pond, and tributaries to Cooper Branch downstream of Pakim Pond that are wholly within the boundaries of Lebanon State Forest.
- 4. Shinns Branch and tributaries thereto situated wholly within the Lebanon State Forest boundaries.
- 5. Jade Run situated within the Lebanon State Forest boundaries.
- 6. MacDonald's Branch and tributaries thereto situated within the Lebanon State Forest boundaries.

H. FW-1 Pasadena

Fish & Game Tract

- 1. The two easterly branches of the South Branch of Mount Misery Brook located wholly within the Pasadena Tract Boundary.

I. FW-1 Maurice River Drainage

Glassboro  
Fish & Game  
Tract

1. That portion of a branch of Little Ease Run situated immediately north of Stangor Avenue and entirely within the Glassboro Tract.

Millville  
Fish & Game  
Tract

2. Joshua and Pine Branches of Buckshuton Creek to their confluences with Buckshuton Creek.

3. Gravelly Run downstream to the Millville Fish and Game Tract Boundary.

Peaseles  
Fish & Game  
Tract

4. Middle Branch of Muskee Creek from its origin to the Peaseles Tract boundary.

5. Cedar Branch of the Manumuskin River from its origin to the Peaseles Tract boundary.

J. FW-1 Mantuxent Creek Drainage

Millville  
Fish & Game  
Tract

1. Cedar and Mile Branches to Shaw's Mill Pond.

K. FW-1 Dividing Creek Drainage

1. Those tributaries to Cedar Creek originating and located wholly within the Fish and Game Millville Tract.

2. Those portions of tributaries to Dividing Creek lying wholly within the Millville Fish and Game tract boundary north of Whitehead Station.

L. FW-1 Middle Marsh Creek Drainage

Dix Fish and  
Game Tract

1. All fresh waters arising in and contained wholly within the Dix Tract boundaries.

M. FW-1 West Creek Drainage

Belleplain State  
Forest

1. The portion of that tributary to West Creek originating about 0.9 miles just south of east from Hoffman's Mill and situated wholly within the Belleplain State Forest boundary.

2. Eastern branch of the easterly tributary to Pickle Factory Pond from its origin to its confluence with the western branch.

N. FW-1 Waters in the East Creek Drainage

1. All tributaries to Lake Nummi from their origin downstream to Lake Nummi.
2. Those tributaries to Savages Run and portions thereof downstream of Lake Nummi that originate and are wholly situated in Belleplain State Forest.
3. A stream and tributaries thereto originating just south of East Creek Mill Road, NNE of Eldora 1.2 + miles and situated entirely within the Belleplain State Forest boundary.
4. That tributary to West Creek crossing Timber Swamp Road and lying within the boundaries of Belleplain State Forest north of Hands Mill Pond.

Note: All boundaries on State lands referred to as they existed December 1966.

O. FW-1 Delaware Water Gap National Recreation Area

1. Van Campen's Brook above the village of Millbrook.
2. All tributaries to the Flatbrook running from the Kittatinny Ridge and lying wholly within the proposed DWGNRA.
3. Rundle Brook upstream of Flatbrook Road.
4. Smith Ferry Brook.
5. Donkey's Corners Brook.
6. Sambo Island Brook and Pond.
7. The headwaters of Jacksonburg Creek within the National Recreation area.
8. Coppermine Brook in Pahaquarry.
9. Sunfish Pond, its outlet stream to the Delaware River, and all unnamed waters in the former Worthington Tract.
10. Dunnfield Creek to Route 46.

II. Class FW-2

A. All tributaries upstream from Trenton Water Works intake except those classified as FW-1.

B. Upstream from dead-high-tide of:

All tributaries to main stem, including:

Assumpink Creek and tributaries thereto

Crosswicks Creek " " "

Blacks Creek " " "

Assiscunk Creek " " "

Rancocas Creek " " "

North Branch, Rancocas Creek, specifically, the Mt. Holly Water Works dam.

C. Salem Creek and tributaries thereto, upstream from dam near Biddle Landing and Flood gates on Salem Canal.

Alloways Creek and tributaries thereto, upstream from Quinton Pond dam.

Cohansey Creek and tributaries thereto, upstream of Sunset Lake dam (Bridgeton).

D. All streams in Cape May County upstream from head of tide or tidal barriers thereon.

III. Class FW-3

A. Cooper River and tributaries thereto, upstream from tidal dam near Kaighn Avenue, Camden.

Newton Creek, North Branch and tributaries thereto, upstream from Newton Lake dam at Black Horse Pike bridge.

Newton Creek, South Branch and tributaries thereto, upstream from Haddon Lake dam.

Woodbury Creek and tributaries thereto, upstream from Woodbury Lake dam (Route 45 bridge).

Upstream from head-high-tide of the following streams, and others, that are tributaries to the main stem from Torresdale intake to confluence with Oldmans Creek: Pennsauken, Little Timber, Big Timber, Mantua, Repaupo, Raccoon and Oldmans Creeks and the tributaries thereto.

B. Maurice River and tributaries thereto upstream from head of tide.

Class TW-1

- A. Tidal reaches of all tributaries to main stem, between Trenton Water Works intake and Philadelphia Water Works (Torresdale) intake, criteria to be met at lower delineation point at dead-high-tide.
- B. Tidal reaches of tributaries of main stem from its confluence with Oldmans Creek to and including Delaware Bay, criteria to be met at point of dead-high-tide of tributaries.

Class TW-2

Tidal reaches (to dead-high-tide) of all tributaries of main stem, between Torresdale intake and its confluence with Oldmans Creek.

- I. The main stem of the River is classified in accordance with "Water Quality Standards for the Delaware River Basin" as adopted by the Delaware River Basin Commission on April 26, 1967 by its Resolution No. 67-7, a copy of which is attached and made a part hereof.

Filed with Secretary of State: June 28, 1967

Effective Date: July 28, 1967

NEW JERSEY STATE DEPARTMENT OF HEALTH  
DIVISION OF CLEAN AIR AND WATER  
WATER POLLUTION CONTROL PROGRAM

REGULATIONS CONCERNING TREATMENT OF WASTEWATERS, DOMESTIC AND INDUSTRIAL,  
SEPARATELY OR IN COMBINATION, DISCHARGED INTO THE WATERS OF THE WALLKILL  
RIVER BASIN

WHEREAS, the State Department of Health is charged with the responsibility for the Water Pollution Control Program, including the approval of the designs of wastewater treatment facilities, in the State of New Jersey, and

WHEREAS, the State Department of Health did promulgate rules and regulations entitled "Regulations Establishing Certain Classifications to be Assigned to the Waters of this State and Standards of Quality to be Maintained in Waters so Classified," effective September 1, 1964, and amended said rules and regulations on January 5, 1966 and March 6, 1967, and

WHEREAS, the State Department of Health did promulgate regulations entitled "Regulations Concerning Classification of the Surface Waters of the Wallkill River Basin," effective July 28, 1967, and

WHEREAS, the State Department of Health is of the opinion that the attainment and maintenance of water quality in the Wallkill River Basin as specified by the aforesaid regulations of the Department is necessary in order to abate a present threat to the public health, comfort or property of citizens of this State,

NOW THEREFORE, the State Department of Health promulgates the following regulations entitled "Regulations Concerning Treatment of Wastewaters, Domestic and Industrial, Separately or in Combination, Discharged into the Waters of the Wallkill River Basin."

NEW JERSEY STATE DEPARTMENT OF HEALTH



Roscoe P. Kandle, M.D.  
State Commissioner of Health

Filed with Secretary of State: October 17, 1967

Effective Date: November 17, 1967

NEW JERSEY STATE DEPARTMENT OF HEALTH  
DIVISION OF CLEAN AIR AND WATER  
WATER POLLUTION CONTROL PROGRAM

REGULATIONS CONCERNING TREATMENT OF WASTEWATERS, DOMESTIC AND INDUSTRIAL,  
SEPARATELY OR IN COMBINATION, DISCHARGED INTO THE WATERS OF THE WALLKILL  
RIVER BASIN

Pursuant to the authority vested in it under the provisions of Chapter 12, Title 58 of the Revised Statutes, the State Department of Health hereby promulgates the following regulations concerning treatment of wastewaters, domestic and industrial, separately or in combination, discharged into the waters of the Wallkill River Basin.

- I. Henceforth, domestic wastes, separately or in combination with industrial wastes, prior to discharge into waters of the Wallkill River Basin classified as FW-2 or FW-3, shall be treated to a degree providing, as a minimum, ninety-five percent (95%) of reduction of biochemical oxygen demand at all times including any four-hour period of a day when the strength of the wastes to be treated might be expected to exceed average conditions; it is an objective of this regulation that the biochemical oxygen demand of effluents discharged shall not exceed fifteen (15) parts per million.
- II. Henceforth, industrial wastes, prior to discharge into waters of the Wallkill River Basin, classified as FW-2 or FW-3, shall be treated to a degree providing, as a minimum, ninety-five percent (95%) or reduction of biochemical oxygen demand at all times and such further reduction in biochemical oxygen demand as may be necessary to maintain the receiving waters, after reasonable effluent dispersion, as specified in the rules and regulations entitled "Regulations Concerning Classification of the Surface Waters of the Wallkill River Basin," effective July 28, 1967; it is an objective of this regulation that the biochemical oxygen demand of effluents discharges shall not exceed fifteen (15) parts per million.
- III. It is recognized, especially in connection with some industrial wastes, that the pollution load imposed upon the waters of the Basin cannot be evaluated fully exclusively by the biochemical oxygen demand test; therefore, each industrial waste problem shall be considered individually and treatment shall be required as needed to effect compliance with the Water Quality Standards established for the various classifications of water in the Basin.
- IV. Treatment standards set by these regulations are the minimum acceptable for the Wallkill River Basin. Treatment more intensive than that specified hereinabove shall be provided whenever it is determined by the State Department of Health that such treatment is necessary.

Filed with Secretary of State: October 17, 1967

Effective Date: November 17, 1967

NEW JERSEY STATE DEPARTMENT OF HEALTH  
DIVISION OF CLEAN AIR AND WATER  
WATER POLLUTION CONTROL PROGRAM

REGULATIONS CONCERNING TREATMENT OF WASTEWATERS, DOMESTIC AND INDUSTRIAL,  
SEPARATELY OR IN COMBINATION, DISCHARGED INTO THE WATERS OF THE DELAWARE  
RIVER BASIN

WHEREAS, the State Department of Health is charged with the responsibility for the Water Pollution Control Program, including the approval of the designs of wastewater treatment facilities, in the State of New Jersey, and

WHEREAS, the State Department of Health did promulgate the rules and regulations entitled "Regulations Establishing Certain Classifications to be Assigned to the Waters of this State and Standards of Quality to be Maintained in Waters so Classified," effective September 1, 1964, and amended said rules and regulations on January 5, 1966 and March 6, 1967, and

WHEREAS, the State Department of Health did promulgate regulations entitled "Regulations Concerning Classification of the Surface Waters of the Delaware River Basin, Being Waters of the State of New Jersey," effective July 28, 1967, and

WHEREAS, the State Department of Health is of the opinion that the attainment and maintenance of water quality in the Delaware River Basin as specified by the aforesaid regulations of the Department is necessary in order to abate a present threat to the public health, comfort or property of citizens of this State.

NOW, THEREFORE, the State Department of Health promulgates the following regulations entitled "Regulations Concerning Treatment of Wastewaters, Domestic and Industrial, Separately or in Combination, Discharged into the Waters of the Delaware River Basin."

NEW JERSEY STATE DEPARTMENT OF HEALTH

  
Roscoe P. Kandle, M.D.  
State Commissioner of Health

Filed with Secretary of State: October 17, 1967

Effective Date: November 17, 1967

NEW JERSEY STATE DEPARTMENT OF HEALTH  
DIVISION OF CLEAN AIR AND WATER  
WATER POLLUTION CONTROL PROGRAM

REGULATIONS CONCERNING TREATMENT OF WASTEWATERS, DOMESTIC AND INDUSTRIAL,  
SEPARATELY OR IN COMBINATION, DISCHARGED INTO THE WATERS OF THE DELAWARE  
RIVER BASIN, BEING WATERS OF THE STATE OF NEW JERSEY

Pursuant to the authority vested in it under the provisions of Chapter 12, Title 58 of the Revised Statutes, the State Department of Health hereby promulgates the following regulations concerning treatment of wastewaters, domestic and industrial, separately or in combination, discharged into the waters of the Delaware River Basin.

- I. Henceforth, domestic wastes, separately or in combination with industrial wastes, prior to discharge into waters of the Delaware River Basin classified as FW-2, FW-3, TW-1 and TW-2, shall be treated to a degree providing, as a minimum, ninety percent (90%) of reduction of biochemical oxygen demand at all times including any four-hour period of a day when the strength of the wastes to be treated might be expected to exceed average conditions; it is an objective of this regulation that the biochemical oxygen demand of effluents discharged shall not exceed twenty-five (25) parts per million.
- II. Henceforth, industrial wastes, prior to discharge into waters of the Delaware River Basin, classified as FW-2, FW-3, TW-1 and TW-2, shall be treated to a degree providing, as a minimum, ninety percent (90%) of reduction of biochemical oxygen demand at all times and such further reduction of biochemical oxygen demand as may be necessary to maintain the receiving waters, after reasonable effluent dispersion, as specified in the regulations entitled "Regulations Concerning Classification of the Surface Waters of the Delaware River Basin, Being Waters of the State of New Jersey," effective July 28, 1967; it is an objective of this regulation that the biochemical oxygen demand of effluents discharged shall not exceed twenty-five (25) parts per million.
- III. Henceforth, domestic wastes, separately or in combination with industrial wastes, prior to discharge into the waters of the "main stem" of the Delaware River shall be treated to a degree providing for conformity with "Water Quality Standards for the Delaware River Basin" as adopted by the Delaware River Basin Commission on April 26, 1967 by its Resolution No. 67-7; it is an objective of this regulation that the biochemical oxygen demand of effluents discharged shall conform to all regulations of the Delaware River Basin Commission especially in relation to allocations of biochemical oxygen demand loadings.
- IV. Henceforth, industrial wastes prior to discharge into waters of the "main stem" of the Delaware River Basin shall be treated to a degree providing for conformity with "Water Quality Standards for the Delaware River Basin" as adopted by the Delaware River Basin Commission on April 26, 1967 by its

Resolution No. 67-7; it is an objective of this regulation that the biochemical oxygen demand of effluents discharged shall conform to all regulations of the Delaware River Basin Commission especially in relation to allocation of biochemical oxygen demand loading.

- V. It is recognized, especially in connection with some industrial wastes, that the pollution load imposed upon the waters of the Basin cannot be evaluated fully exclusively by the biochemical oxygen demand test; therefore, each industrial waste problem shall be considered individually and treatment shall be required as needed to effect compliance with the Water Quality Standards established for the various classifications of waters in the Basin.
- VI. Treatment standards set by these regulations are the minimum acceptable for the Delaware River Basin. Treatment more intensive than that specified hereinabove shall be provided whenever it is determined by the State Department of Health that such treatment is necessary.

Filed with Secretary of State: October 17, 1967

Effective Date: November 17, 1967