



Filed July 11, 1968  
10:05 am

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

DIVISION OF RESOURCE DEVELOPMENT  
MADISON, WISCONSIN 53702

CERTIFICATE

RD 4, 14

STATE OF WISCONSIN )  
 )  
DEPARTMENT OF NATURAL RESOURCES ) SS

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, Lester P. Voigt, Secretary of the Department of Natural Resources, and custodian of the official records of said department, do hereby certify that the annexed rules and regulations relating to Intrastate Water Quality Standards and Use Classifications and Certification of Operators of Waterworks and Sewage Treatment Plant Operators were duly approved and adopted by the former Division of Resource Development and the Department of Natural Resources on June 14, 1968.

I further certify that said copy has been compared by me with the original on file in this department and that same is a true copy thereof, and of the whole of such original.

IN TESTIMONY WHEREOF,  
I have hereunto set my hand  
in the City of Madison, this  
10 day of JULY A.D. 1968

  
\_\_\_\_\_  
Lester P. Voigt, Secretary



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

DIVISION OF RESOURCE DEVELOPMENT  
MADISON, WISCONSIN 53702

ORDER OF THE DEPARTMENT OF NATURAL RESOURCES  
ADOPTING RULES

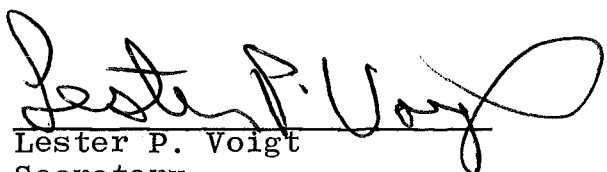
Pursuant to authority vested in the Department of Natural Resources by sections 144.025 (2)(b) and 144.025 (2)(1), Wis. Stats., the Department of Natural Resources hereby adopts rules as follows:

Chapter RD 4, pertaining to Intrastate Water Quality Standards and Use Classifications, is created:

Chapter RD 14, pertaining to Certification of Operators of Waterworks and Sewage Treatment Plants is created.

The rules attached shall take effect on the day following publication pursuant to 227.026 (1), Wis. Stats.

Dated: *JULY 10, 1968*

  
Lester P. Voigt  
Secretary



INTRASTATE WATER QUALITY STANDARDS  
AND USE CLASSIFICATIONS  
RD 4

RD 4.01 Goals

- 1) Water quality standards for intrastate surface waters will be the same as those that have been adopted for interstate waters, Wisconsin Administrative Code, RD 2.
- 2) The long-range goal of Wisconsin water standards is to permit the use of water resources for all lawful purposes. It is equally a goal of the standards to restore and maintain the waters of the state as suitable for public water supply, whole body contact recreation, and the reproduction of game fish and minnows. It is the working objective of the Department to achieve these goals within ten years. Standards and use classifications which are presently inconsistent with the long-range goals are interim standards and use classifications and will be progressively upgraded until the goals are attained.

RD 4.02 Standards Applicable to Region 1

Intrastate surface waters of Region 1, consisting of Adams, Juneau, Monroe, La Crosse, Vernon, Crawford, Richland, Sauk, Columbia, Dodge, Jefferson, Dane, Iowa, Grant, Lafayette, Green and Rock Counties, shall meet the standards for Recreational Use, and Fish and Other Aquatic Life, with these exceptions and additions:

- 1) The following surface waters must meet minimum standards:
  - a) Badfish Creek from the east limits of the Village of Oregon to the confluence with the Yahara River
  - b) West Branch of Sugar River from the south city limits of Mount Horeb to the east limits of the Town of Blue Mounds in Dane County
- 2) The following surface waters must meet minimum standards and those for partial body contact recreation:
  - a) Dead Creek downstream from the City of Juneau to its confluence with the Rock River at Lake Mississippi in Dodge County

- b) Brewery Creek from State Highway 23 in the City of Mineral Point to the junction with the Mineral Point Branch
- 3) The following surface waters must meet minimum standards and those for industrial and cooling water use:
- Wisconsin River from the north Adams-Juneau county line downstream for about five miles to the southern boundary of Sections 28, 29 and 30 in Township 20 North, Range 5 East
- 4) The following surface waters must meet minimum standards and those for industrial and cooling water use and partial body contact recreation:
- Wisconsin River from the southern boundary of Sections 28, 29 and 30 in Township 20 North, Range 5 East, downstream to Highway 82 Bridge from January 1 to April 15, annually
- 5) The following surface waters must meet minimum standards and those for industrial and cooling water use in addition to standards for recreational use and fish and other aquatic life:

Lake Monona in Dane County

RD 4.03 Standards Applicable to Region 2

Intrastate surface waters of Region 2, consisting of Washington, Ozaukee, Milwaukee, Waukesha, Walworth, Racine, and Kenosha Counties, shall meet the standards for Recreational Use, and those for Fish and Other Aquatic Life, with these exceptions and additions:

- 1) The following surface waters must meet minimum standards:
  - a) Underwood Creek in Milwaukee and Waukesha Counties
  - b) Barnes Creek in Kenosha County
  - c) Belgium Creek in Ozaukee County
  - d) Rubicon River from the Wilson Avenue Bridge at Hartford extending downstream to the Dodge-Washington county line
  - e) Pike Creek, a tributary of the Pike River, in Kenosha County
  - f) Pike River extending upstream from two miles above the mouth in Kenosha and Racine Counties
  - g) Indian Creek in Milwaukee County
  - h) Honey Creek upstream from the Interstate Highway I-94 Bridge in Milwaukee County
  - i) Menomonee River downstream from the Hawley Road Bridge in Milwaukee County

- 2) The following surface waters must meet minimum standards and those for partial body contact recreation:
  - a) Kinnickinnic River in Milwaukee County
  - b) Lincoln Creek in Milwaukee County
  - c) Menomonee River in Milwaukee County upstream from the Hawley Road Bridge in Milwaukee County
  - d) Sussex Creek in Waukesha County
  - e) Honey Creek downstream from the Interstate Highway I-94 Bridge in Milwaukee County
  
- 3) The following surface waters must meet minimum standards and those for partial body contact and industrial and cooling water use:
 

Milwaukee River in Milwaukee County downstream from the North Avenue Street Dam
  
- 4) The following surface waters must meet minimum standards and those for partial body contact recreation and fish and other aquatic life:
  - a) Menomonee River in Waukesha County
  - b) Little Menomonee River
  - c) Oak Creek in Milwaukee County
  - d) Root River
  - e) Root River Canal
  - f) Pike River from mouth to two miles upstream in Kenosha and Racine Counties
  - g) Brighton Creek in Kenosha County
  - h) Sauk Creek in Ozaukee County
  - i) Pewaukee River from Pewaukee Lake to Fox River in Waukesha County
  - j) Muskego Canal between Big Muskego Lake and Wind Lake in Waukesha and Racine Counties
  - k) Jackson Creek in Walworth County
  
- 5) The following surface waters must meet minimum standards and those for industrial and cooling water use in addition to standards for recreational use and fish and other aquatic life:
  - a) Milwaukee River upstream from the North Avenue Street Dam
  - b) Cedar Creek at Cedarburg
  - c) Honey Creek in Walworth County
  - d) Rubicon River above the Wilson Avenue Bridge in Hartford

#### RD 4.04 Standards Applicable to Region 3

Intrastate surface waters of Region 3, consisting of Forest, Florence, Marinette, Oconto, Langlade, Menominee, Shawano,

Waupaca, Outagamie, Brown, Door, Kewaunee, Manitowoc, Calumet, Winnebago, Waushara, Marquette, Green Lake, Fond du Lac and Sheboygan Counties, shall meet the standards for Recreational Use, and those for Fish and Other Aquatic Life, with these exceptions and additions:

- 1) The following surface waters must meet minimum standards:
  - a) Barr Creek from Village of Cedar Grove to mouth in Sheboygan County
  - b) Intermittent tributary of the Manitowoc River below Valders in Manitowoc County
  - c) Intermittent tributary of the West Twin River east of the Village of Francis Creek in Manitowoc County
  - d) Pine Creek Tributary below New Holstein in Manitowoc County
  - e) Spring Creek below Brillion in Manitowoc County
  - f) Luxemburg Creek in Kewaunee County
  - g) Plum Creek below Holland for three miles in Brown County
  - h) Tributary of the East River below Greenleaf for two miles in Brown County
  - i) Tributary of Dutchman Creek below Austin-Straubel Field for two miles in Brown County
  - j) Tributary of Shioc River below Bonduel for two miles in Shawano County
  - k) Black Creek in Outagamie County
  - l) Little Suamico River below Pulaski for two miles in Oconto County
  - m) Jones Creek below Lena for five miles in Oconto County
  - n) Tributary of the Manitowoc River below St. Nazianz in Manitowoc County
  - o) Tributary of the North Branch of the Manitowoc River below Hilbert in Calumet County
  - p) Spring Brook from U. S. Highway 45 Bridge at Antigo to the Langlade County line
  - q) Tributary of the Neshoto River below Denmark in Brown County
  
- 2) The following surface waters must meet minimum standards and those for partial body contact recreation, and industrial and cooling water use:
  - a) Oconto River below the bridge in Oconto Falls
  - b) Peshtigo River below Peshtigo Dam
  - c) Fox River below the upper dam in the City of Appleton downstream to the mouth
  - d) East River from the Webster Street Bridge in the City of Green Bay downstream to the mouth
  
- 3) The following surface waters must meet minimum standards and those for industrial and cooling water use in addition to the standards for recreational use, and fish and other aquatic life:

- a) Sheboygan River from Kohler to the mouth
  - b) Manitowoc River in the City of Manitowoc
  - c) East Twin River in the City of Two Rivers
  - d) West Twin River in the City of Two Rivers
  - e) Wolf River in the City of New London
  - f) West Branch Wolf River in the Vicinity of Neopit
  - g) Fox River in the City of Oshkosh
  - h) Wolf River near the City of Shawano
- 4) The following surface waters must meet minimum standards and those for industrial and cooling water use and public water supply in addition to the standards for recreational use, and fish and other aquatic life:
- a) Lake Winnebago
  - b) Fox River from Lake Winnebago downstream to the upper dam in the City of Appleton

RD 4.05 Standards Applicable to Region 4

Intrastate surface waters of Region 4, consisting of Iron, Vilas, Oneida, Lincoln, Marathon, Portage and Wood Counties, shall meet the standards for Recreational Use, and those for Fish and Other Aquatic Life, with these exceptions and additions:

- 1) The following surface waters must meet minimum standards:
- a) Wisconsin River from Rhinelander Dam downstream to Hat Rapids Dam
  - b) Dill Creek from Colby downstream to C.T.H. "F" Bridge
  - c) Elm Brook below Abbotsford
  - d) Mill Creek from Marshfield downstream to Section 15, Township 23 North, Range 7 East
  - e) Hemlock Creek in Wood County above State Highway 73 Bridge
  - f) Scotch Creek in Marathon County above C.T.H. "S"
  - g) Little Eau Pleine River in Marathon County for three miles below Spencer
- 2) The following surface waters must meet minimum standards and those for industrial and cooling water use and for partial body contact recreation:
- a) Wisconsin River from Hat Rapids Dam downstream to 2.7 miles below C.T.H. "A" Bridge
  - b) Wisconsin River from 0.3 miles below State Highway 86 Bridge at Tomahawk downstream to Grandfather Falls Dam
  - c) Wisconsin River from U. S. Highway 51 Bridge at Merrill down to the Pine River
  - d) Wisconsin River from C.T.H. "WW" Bridge at Brokaw down to the Wausau Dam

- e) Wisconsin River from the Rothschild Dam down to the State Highway 34 Bridge in Marathon County
  - f) Wisconsin River from the Upper Stevens Point Dam down to Mill Creek
  - g) Wisconsin River from the Biron Dam downstream to the south Wood County line
- 3) The following surface waters must meet minimum standards and those for public water supply in addition to the standards for recreational use, and fish and other aquatic life:

Lake Lavina in Iron County

RD 4.06 Standards Applicable to Region 5

Intrastate surface waters of Region 5, consisting of Douglas, Bayfield, Ashland, Price, Sawyer, Washburn, Burnett, Polk, Barron, Rusk, Taylor, Chippewa, Dunn, St. Croix, Pierce, Pepin, Eau Claire, Clark, Jackson, Trempealeau and Buffalo Counties, shall meet the standards for Recreational Use, and Fish and Other Aquatic Life, with these exceptions and additions:

- 1) The following surface waters must meet minimum standards:
- a) Newton Creek in Douglas County
  - b) Boyd Creek in Bayfield County for 1.6 miles above its mouth
  - c) Osceola Creek in Polk County for 1/4 mile above the St. Croix River
  - d) Balsam Branch in Polk County from Milltown downstream for three miles
  - e) Thorp Ditch from Thorp to the North Fork Eau Claire River in Clark County
  - f) Poplar River in Clark County for three miles below Dorchester
  - g) Bear Creek in Clark County for three miles below Loyal
  - h) Cranberry Creek below the Cameron Dam for 1.8 miles to the Red Cedar River in Barron County
  - i) Baldwin Creek from Baldwin downstream for 3/4 mile to the Mississippi River in St. Croix County
- 2) The following surface waters must meet minimum standards and those for industrial and cooling water use and partial body contact recreation:
- Flambeau River in Price and Sawyer Counties from the upper dam at Park Falls and extending downstream to State Highway 70 Bridge at Oxbo
- 3) The following surface waters must meet minimum standards and those for industrial and cooling water use and recreational use:



- a) Brick Creek from the upstream end of the Owen Pond downstream to the Poplar River in Clark County
  - b) Poplar River from Brick Creek downstream to C.T.H. "N" in Clark County
- 4) The following surface waters must meet minimum standards and those for public water supply in addition to the standards for recreational use, and fish and other aquatic life:
- a) Little Rib Lake in Taylor County
  - b) Black River at Neillsville
  - c) Town Creek at Black River Falls



CERTIFICATION OF OPERATORS OF  
WATERWORKS AND SEWAGE TREATMENT PLANTS  
RD 14

RD 14.01 GENERAL. Pursuant to Subsection 144.025(2)(L), Statutes, it is necessary that every waterworks and sewage treatment plant employ an operator who holds a valid certificate. Certification shall be available to all individuals who can meet the qualifications for a given grade.

RD 14.02 DEFINITIONS.

- (1) Operator. An "operator" is an individual, designated by the owner or his authorized representative, who is in direct charge of operation of a waterworks or sewage treatment plant. For industrial waste treatment facilities, the operator shall be the individual, designated by the owner, who is responsible for the operation of the facility or facilities.
- (2) Waterworks. "Waterworks" are any facilities installed or constructed to obtain, store, treat or convey water for drinking or domestic use for a public or institution water supply. A public water supply is a facility serving a county, town, town sanitary district, city, village, water utility district or ten or more premises of mixed ownership. Institution as applied to these rules is defined in Section 49.10(12)(f), Statutes.
- (3) Sewage Treatment Plant. A "sewage treatment plant" is any facility or group of units provided for the treatment of sanitary sewage and/or industrial waste. The following types of systems are excluded: (a) facilities consisting of septic tank and soil disposal systems defined as plumbing in Subsection 145.01(1)(b), Statutes; (b) pretreatment facilities from which effluent is directed to a public sewer system for treatment; (c) industrial waste treatment facilities which result in no discharge to a watercourse.
- (4) Sanitary Sewage. "Sanitary sewage" is wastewater discharged from sanitary conveniences.
- (5) Industrial Waste. "Industrial waste" is wastewater resulting from the processes employed in industrial establishments.
- (6) Owner. The "owner" is the state, county, town, town sanitary district, city, village, metropolitan sewerage district, corporation, firm, company, institution, water utility district, joint sewerage commission or individual responsible for providing water or sewage treatment.

- (7) Department. The "Department" is the Department of Natural Resources.
- (8) Certificate. A "certificate" is a certificate of competency issued by the Department stating that the individual has met the requirements for the specified operator grade.
- (9) Secretary. The "Secretary" is the Secretary of the Department of Natural Resources.
- (10) Board. The "Board" is the Board of Certification for sewage treatment plant operators and/or Board of Certification for waterworks operators.

#### RD 14.03 BOARDS OF CERTIFICATION.

- (1) Board of Certification shall be appointed by the Secretary to advise and assist the Department in administration of the certification program. The Boards shall recommend classification of waterworks and sewage treatment plants and shall adopt policies required in performing their obligations, subject to approval by the Secretary.
- (2) The Board of Certification for sewage treatment plants shall consist of:
  - (a) A faculty member of a university in Wisconsin.
  - (b) A representative of a municipality required to employ a certified sewage treatment plant operator, such as a city manager, utility manager, city engineer or director of public works.
  - (c) An elected or appointed city, village or municipal official.
  - (d) Two sewage treatment plant operators holding valid certificates, one of whom shall hold a Grade I certificate.
  - (e) Two industrial representatives selected from major processing industries in Wisconsin.
  - (f) The Secretary or his designated representative who shall serve as Recording Secretary for the Board.
- (3) The Board of Certification for waterworks shall consist of:
  - (a) A faculty member of a university in Wisconsin.
  - (b) A representative of a municipality required to employ a certified waterworks operator, such as a city manager, utility manager, city engineer or director of public works.

- (c) An elected or appointed city, village or municipal official.
  - (d) Two waterworks operators holding valid certificates.
  - (e) The Secretary or his designated representative who shall serve as Recording Secretary for the Board.
- (4) Terms of Office
- (a) Citizen members of the Boards shall serve for a three-year term except the first appointments for which the term of the municipal representative, one operator and one industry representative shall be one year; and the term of the elected or appointed city, village or municipal official, one operator and one industry representative shall be two years.
  - (b) Appointments to succeed a Board member who is unable to serve his full term shall be for the remainder of the unexpired term.
  - (c) Board members may be reappointed, but they do not succeed themselves automatically.
- (5) At the first meeting of each year each Board shall select from its membership a chairman and such other officers as may be needed to conduct its business.
- (6) Citizen members of the Boards shall be reimbursed for their actual and necessary expenses by the Department.

#### RD 14.04 APPLICATION FOR CERTIFICATION.

- (1) An individual desiring to be certified shall file application with the Department at least one month prior to the established date of the examination on an application form provided by the Department.
- (2) Applicants shall be advised whether they are eligible for examination and notified of their status in writing.

#### RD 14.05 EXAMINATIONS.

- (1) Examinations shall be conducted at least annually at locations and times set by the Secretary.
- (2) Examinations shall be used to determine knowledge, ability and judgment of the applicants and shall be written except in such cases as the Board may decide are proper exceptions.
- (3) A score of 70 or higher shall be considered a passing grade on the basis of 100 being perfect.

- (4) Examination papers will not be returned to the applicant but means will be provided to review the results with a staff member of the Department upon request by the applicant within 30 days of notification of result. Papers may be destroyed after the 30-day notification period.
- (5) Applicants who fail to pass an examination may apply to the Department for reexamination at a subsequent scheduled examination.

#### RD 14.06 FEES.

- (1) Fees for certification shall be as follows:
  - (a) Application-Examination.....\$3.00
  - (b) Certification..... 2.00
  - (c) Biennial Renewal..... 2.00
- (2) The Application-Examination fee must accompany the completed application form.
- (3) The Biennial Renewal fee is due January 1 of each odd numbered year.

#### RD 14.07 ISSUANCE OF CERTIFICATES.

- (1) Upon satisfactory fulfillment of the qualifications provided herein and receipt of the certification fee, the Secretary shall issue a certificate to the applicant indicating the grade for which he has qualified.
- (2) Individuals holding valid certificates under the voluntary certification programs in this state will be issued a new certificate in an equivalent grade upon receipt of the Biennial Renewal fee.
- (3) The initial certification shall be effective until January 1 of the first odd numbered year following certification. All certificates are renewable as of January 1 of each odd numbered year.
- (4) Certified operators who desire to become certified in a higher grade must satisfactorily fulfill the established qualifications before a new certificate is issued.
- (5) Certificates may be revoked by the Department following a hearing if the operator does not use reasonable care, judgment and application of his knowledge in the performance of his duties or if the certificate was obtained through fraud, deceit or the submission of incorrect data on qualifications or operations. Any order of revocation is subject to review as provided under Chapter 227, Statutes.

- (6) An individual whose certificate has lapsed for two years or longer and desires reinstatement shall follow the procedures for initial certification.
- (7) Certificates for operation of industrial waste treatment facilities will be issued for specific facilities only and shall be valid for those facilities described in the certificate. Re-certification may be required in instances where the facilities that are being operated are significantly altered.
- (8) Certificates may be issued, without examination, in a comparable grade to any person who holds a certificate in any state, territory or possession of the United States or any country, if in the judgment of the Board the requirements for certification of operators under which the person's certificate was issued do not conflict with the provisions of these rules and are of a standard not lower than that specified by these rules, and provided further that reciprocal privileges are granted to certified operators of this state.

RD 14.08 CLASSIFICATION OF SEWAGE TREATMENT PLANTS.

- (1) A list of sewage treatment plants shall be prepared by the Department and revised at least annually to show the classification of all sewage treatment plants in the state. The classification of sewage treatment plants shall be based on the following criteria:
  - (a) Class I
    - (1) Plants treating sanitary sewage which are designed for or receiving over 3.0 million gallons per day.
    - (2) Plants employing sufficiently complicated processes to warrant this classification.
  - (b) Class II
    - (1) Plants treating sanitary sewage which are designed for or receiving 1.0 to 3.0 million gallons per day.
    - (2) Plants employing sufficiently complicated processes to warrant this classification.
  - (c) Class III
    - (1) Plants treating sanitary sewage which are designed for or receiving 0.1 to 1.0 million gallons per day.
    - (2) Plants employing sufficiently complicated processes to warrant this classification.

## (d) Class IV

All other plants which treat sanitary sewage.

## (e) Class V

Plants which treat only industrial waste.

## RD 14.09 QUALIFICATIONS OF SEWAGE TREATMENT PLANT OPERATORS.

(1) Five grades of sewage treatment plant operators are hereby established. To qualify for certification in a given grade an individual must pass the appropriate examination and meet one of the combinations of educational and experience requirements, or their equivalent as determined by the Board, for that particular grade.

## (a) Grade I

- (1) Registration as a professional engineer with satisfactory experience in the operation of sewage treatment works.
- (2) A Master of Science degree in engineering with major emphasis in sanitary sciences with one year of satisfactory experience in operation of sewage treatment works.
- (3) A Bachelor of Science degree in engineering with two years of satisfactory experience in operation of sewage treatment works.
- (4) Four years of college training with major emphasis in chemistry or biological sciences, with three years of satisfactory experience in the operation of sewage treatment works.
- (5) High school graduation and completion of a special course of training in sewage treatment, with a minimum of four years satisfactory experience in the operation of sewage treatment works and demonstration of mechanical aptitude.

## (b) Grade II

- (1) A Bachelor of Science degree in engineering with one year of satisfactory experience in operation of sewage treatment works.
- (2) Two years of college training, with major emphasis in chemistry or biological sciences, with two years of satisfactory experience in operation of sewage treatment works.

- (3) High school graduation and completion of a special course of training in sewage treatment with a minimum of three years satisfactory experience in the operation of sewage treatment works and demonstration of mechanical aptitude.
- (4) Satisfactory completion of a special course of training in sewage treatment with a minimum of four years satisfactory experience in the operation of sewage treatment works.

(c) Grade III

- (1) Two years of college training, with major emphasis in chemistry or biological sciences, with one year of satisfactory experience in operation of sewage treatment works.
- (2) High school graduation and completion of a special course of training in sewage treatment with a minimum of two years satisfactory experience in the operation of sewage treatment works and demonstration of mechanical aptitude.
- (3) Satisfactory completion of a special course of training in sewage treatment with a minimum of three years satisfactory experience in the operation of sewage treatment works.

(d) Grade IV

Completion of special course of training in sewage treatment and demonstration of aptitude in operation of sewage treatment works.

(e) Grade V

Demonstration of aptitude in operation of the waste treatment facility or facilities for which the individual will be certified.

RD 14.10 CLASSIFICATION OF WATERWORKS.

- (1) A list of waterworks systems shall be prepared by the Department and updated each year to show the classification of all waterworks systems in the state. The classification of waterworks systems shall be based upon a system of rating values. Items to be rated and their assigned values are listed in the following table:



Rating Values for Classification of Water Supply Works

	<u>Unit</u>	<u>Rating Value</u>	
<u>Source</u>	Ground Water	3	
	Surface Water	100	
<u>Treatment</u>	Aeration	2	
	Coagulation (Surface Water Only)	25	
	Sedimentation (Surface Water Only)	30	
	Filtration (Gravity)	10	
	Filtration (Pressure)	30	
	Disinfection (Pre)	5	
	Disinfection (Post)	5	
	Ion Exchange	20	
	Chemical Addition	5	
	Chemical Precipitation (Softening or Iron Removal)	50	
	Taste and Odor Control	5	
	<u>Distribution</u>	Raw Water Pumping	5
		Finished Water Pumping	5
Finished Water Storage at Plant		2	
Storage on System		2	
<u>Pumpage or Usage Control</u>	Average Pumpage - M.G.D.	<u>Rating Value per M.G.</u>	
	2 or less	10	
	Next 5	2	
	Next 20	0.5	
	Next 40	0.25	
	Maximum value that can be applied is 50.		
	Chemistry Laboratory	5	
	Bacteriological Laboratory	5	
<u>CLASSIFICATION</u>			
Class S1	161 or more		
Class G1	91-160		
Class P1	66-90		
Class M1	Up to and including 65		

RD 14.11 QUALIFICATIONS OF WATERWORKS OPERATORS.

(1) Four grades of waterworks operators are hereby established. To qualify for certification in a given grade an individual must pass the appropriate examination and meet one of the combinations of educational and experience requirements, or their equivalent as determined by the Board, for that particular grade.

(a) Grade S1

(1) Registration as a professional engineer with satisfactory experience in operation of a waterworks.

- (2) A Master of Science degree in engineering with major emphasis in sanitary sciences with one year of satisfactory experience in operation of a waterworks.
  - (3) A Bachelor of Science degree in engineering with two years of satisfactory experience in operation of a waterworks.
  - (4) Four years of college training with major emphasis in chemistry or biological sciences, with three years of satisfactory experience in operation of a waterworks.
  - (5) High school graduation, completion of a special course of training in waterworks, a minimum of four years satisfactory experience in operation of a waterworks.
- (b) Grade G1
- (1) A Bachelor of Science degree in engineering with one year of satisfactory experience in operation of a waterworks.
  - (2) Two years of college training, with major emphasis in chemistry or biological sciences, with two years of satisfactory experience in operation of a waterworks.
  - (3) High school graduation and completion of a special course of training in waterworks with a minimum of three years satisfactory experience in the operation of a waterworks.
  - (4) Satisfactory completion of a special course of training in waterworks with a minimum of four years of satisfactory experience in operation of a waterworks.
- (c) Grade P1
- (1) Two years of college training, with major emphasis in chemistry or biological sciences, with one year of satisfactory experience in operation of a waterworks.
  - (2) High school graduation and completion of a special course of training in waterworks with a minimum of two years satisfactory experience in the operation of a waterworks.
  - (3) Satisfactory completion of a special course of training in waterworks with a minimum of three years satisfactory experience in the operation of a waterworks.

## (d) Grade M1

Completion of a special course of training in waterworks and demonstration of aptitude in the operation of a waterworks.

## RD 14.12 GRADES AND CLASSIFICATIONS.

- (1) Sewage Treatment Plant Operators. Individuals holding a valid Grade I certificate may operate Class I, II, III and IV sewage treatment plants. Individuals holding a valid Grade II certificate may operate Class II, III and IV sewage treatment plants. Individuals holding a valid Grade III certificate may operate Class III and IV sewage treatment plants. Individuals holding a valid Grade IV certificate may operate Class IV sewage treatment plants. Individuals holding a valid Grade V certificate may operate Class V waste treatment facilities in accordance with Subsection 14.07(7) of these rules.
- (2) Waterworks Operators. Individuals holding a valid S1 certificate may operate Class S1, G1, P1 and M1 waterworks. Individuals holding a valid G1 certificate may operate Class G1, P1 and M1 waterworks. Individuals holding a valid P1 certificate may operate Class P1 and M1 waterworks. Individuals holding a valid Grade M1 certificate may operate Class M1 waterworks.

RD 14.13 SPECIAL OPERATING CONDITIONS. Certified operators may be retained on a service contract basis for Class P1 and M1 waterworks and Class III and IV sewage treatment plants. Class S1 and G1 waterworks and Class I and II sewage treatment plants may use the service contract basis only for the period necessary to engage or replace a certified operator employee. Such service contracts shall be approved by the Secretary.