

CHAPTER 6

QUALIFICATIONS OF SUPERINTENDENTS OR OPERATORS OF PUBLIC WATER SUPPLY SYSTEMS, WATER TREATMENT PLANTS AND SEWAGE TREATMENT PLANTS

Authority

Unless otherwise expressly noted, all provisions of this Chapter 6 were adopted by the Department of Health pursuant to authority delegated at N.J.S.A. 26:1A et seq., and were filed January 7, 1969, and became effective October 1, 1969.

CHAPTER TABLE OF CONTENTS

SUBCHAPTER 1. GENERAL PROVISIONS

- 8:6-1.1 Examining board
- 8:6-1.2 Examinations for licenses
- 8:6-1.3 Applications for examination and application fees
- 8:6-1.4 Examination weights
- 8:6-1.5 Licenses
- 8:6-1.6 Basis of classification of licenses

SUBCHAPTER 2. OBLIGATIONS OF LICENSEES

- 8:6-2.1 Restrictions on use of licenses
- 8:6-2.2 Operating reports
- 8:6-2.3 Violations of regulations

SUBCHAPTER 3. LICENSE CLASSIFICATIONS AND REQUIREMENTS—PUBLIC WATER SUPPLY SYSTEMS

- 8:6-3.1 License classification "W-1"
- 8:6-3.2 License classification "W-2"
- 8:6-3.3 License classification "W-3"
- 8:6-3.4 Equivalent training or experience

SUBCHAPTER 4. LICENSE CLASSIFICATION AND REQUIREMENTS—PUBLIC WATER TREATMENT PLANT

- 8:6-4.1 License classification "T-1"
- 8:6-4.2 License classification "T-2"
- 8:6-4.3 License classification "T-3"
- 8:6-4.4 Equivalent training or experience

SUBCHAPTER 5. LICENSE CLASSIFICATION AND REQUIREMENTS—PUBLIC SEWAGE TREATMENT PLANTS

- 8:6-5.1 License classification "S-1"
- 8:6-5.2 License classification "S-2"
- 8:6-5.3 License classification "S-3"
- 8:6-5.4 License classification "S-In"
- 8:6-5.5 Equivalent training or experience

SUBCHAPTER 1. GENERAL PROVISIONS

8:6-1.1 Examining board

(a) A Board of Examiners is hereby established to advise the Department of Health in the preparation and administration of examinations conducted under authority of N.J.S.A. 58:11-18.11.

(b) The Board shall be comprised of certain engineering personnel of the department and actively engaged superintendents or operators having at least five years experience in the operation of public water supply systems, public water treatment plants, or public sewage treatment plants in the State of New Jersey and possessing a current license for one or all at the time of appointment. The members of the Board of Examiners shall be appointed by the State Commissioner of Health. The Board shall be comprised of not more than three representatives from the Water Works field, and not more than three representatives from the Sewage Works field and at least three representatives from the Department engineering personnel, at least one of whom shall be the holder of a Professional Engineer license. The Board members shall serve for at least a three-year period or at the discretion of the Commissioner.

(c) No compensation shall be paid for the services of the members of the Board of Examiners but they shall be reimbursed for their necessary expenses incurred in performing the services herein prescribed.

(d) The Board of Examiners shall keep minutes of its meetings and it shall transmit its recommendations through the Bureau of Examination and Licensing to the Commissioner.

8:6-1.2 Examinations for licenses

(a) Examinations for licenses to operate public water supply systems, public water treatment plants, and public sewage treatment plants shall be given at least twice annually and at such other times as the Department may deem necessary. They shall be prepared, be conducted and scored in accordance with Department standard operating procedures by the Bureau of Examination and Licensing with the advice of the Board of Examiners.

(b) Unassembled examinations may be administered upon recommendation of the Board.

(c) Oral examinations may be conducted for any of the classifications of licenses established under this Chapter and shall be for the purpose of obtaining from applicants their general knowledge of the statutes, pertinent subject matter and their concepts of the responsibilities of licensees.

8:6-1.3 Applications for examination and application fees

Applications for admission to examinations shall be made on forms to be furnished by the Department. Applications for admission to examinations shall be filed with the Bureau of Examination and Licensing on or before closing dates prestamped on applications. All applications shall be accompanied by documentary evidence supporting educational and experience data. Applicants will be advised at least two weeks in advance regarding admission to examinations. The required statutory fee shall accompany each application.

8:6-1.4 Examination weights

In order to qualify in examination for a license, each applicant must receive a minimum rating of 70 per cent.

8:6-1.5 Licenses

Applicants who attain a passing grade in their examination will be notified and a license issued upon payment of the required license fee. Applicants so notified shall forward the license fee within ten days.

8:6-1.6 Basis of classification of licenses

Licenses are classified as set forth below.

(a) Water supply systems.

1. "W-1"—All water supply systems designed to deliver or delivering more than approximately 1,000,000 gallons per day.
2. "W-2"—All water supply systems designed to deliver or delivering less than approximately 1,000,000 gallons per day but serving approximately 50 or more dwelling units or properties.
3. "W-3"—All water supplies designed to deliver or delivering water to less than approximately 50 dwelling units or properties.

(b) Water treatment plants.

1. "T-1"—All surface water treatment plants and those plants employing sedimentation and/or coagulation, filtration, disinfection and other processes such as defined in paragraph 3 of this subsection.
2. "T-2"—All water treatment plants employing iron and/or manganese removal, fluoridation, chemical stabilization, pH adjustment, softening, and disinfection.
3. "T-3"—All water treatment plants employing disinfection only.

(c) Sewage treatment plants.

1. "S-1"—All biological and/or chemical coagulation treatment plants with approved design capacities of more than 250,000 gallons per day. All plants comprising primary treatment only with an approved design capacity of 5,000,000 gallons per day or more.

2. "S-2"—All biological and/or chemical coagulation treatment plants with approved design capacities of less than 250,000 gallons per day.

3. "S-3"—All primary treatment plants with approved capacities of less than 5,000,000 gallons per day.

4. "S-In"—All industrial waste treatment plants. This classification of license shall be limited to use for the particular treatment facility to which it applies, except as permitted in Section 5.4 (License classification "S-In") of this Chapter.

SUBCHAPTER 2. OBLIGATIONS OF LICENSEES**8:6-2.1 Restrictions on use of licenses**

(a) No licensee shall serve as the superintendent or licensed operator of a public water supply system, public water treatment plant, or public sewage treatment plant at which the classification of license required is of a higher grade than the license held by the licensee except that when a plant or system is upgraded during the period of employment of the present licensee, he shall be permitted to operate that plant or system on his existing license.

(b) Permission to operate more than one utility shall be obtained from the Department. The Department reserves the right to limit the number of plants or systems a licensee may operate. Permits granted under this Chapter shall be for a period of time designated by the Department. Permits may be granted only to persons who are training for a licensee required at a utility. They shall not be renewable for any time period beyond the minimum period of operating experience required for the license being sought.

(c) Licensees shall notify the Bureau of Examination and Licensing of the Department at least two weeks prior to changing their positions.

8:6-2.2 Operating reports

Persons authorized to be in charge of and holding the licenses to operate water purification and/or treatment plants and sewage treatment plants shall furnish the Department of Health, on or before the tenth day of the month following the one for which the report is made and upon forms provided by the Department for that purpose, a monthly report or statement describing the operation of water purification and/or treatment plants and sewage treatment plants. Such a report or statement shall include all the applicable data required on the forms provided for that particular plant.

8:6-2.3 Violation of regulations

Violation of this Chapter will subject a licensee to penalties provided by statute.

SUBCHAPTER 3. LICENSE CLASSIFICATIONS AND REQUIREMENTS—PUBLIC WATER SUPPLY SYSTEMS

8:6-3.1 License classification "W-1"

Applicants for a license classified "W-1" shall satisfy the requirements of one of the following subsections.

(a) The first alternative:

1. A college degree related to the field of engineering or a New Jersey Professional Engineer's license and successful completion of an advanced course approved by the State Department of Health in subject matter required by license being sought; and
2. Two years full-time working experience in a position requiring direct administrative responsibility for design and construction and placing of public water supply systems, public water treatment plants, or public sewage treatment plants into operation, provided experience has been obtained in the field for which a license is being sought; or
3. Two years full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator in responsible charge approved by this Department for this purpose; or
4. Two years of full-time operating experience while in possession of a valid license one grade lower than that sought.

(b) The second alternative:

1. An associate degree related to engineering or a college degree nonrelated and successful completion of an advanced course approved by the State Department of Health in subject matter required by the license being sought; and
2. Three years full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator approved by this Department for this purpose; or
3. Three years of full-time operating experience while in possession of a valid license one grade lower than that sought.

(c) The third alternative:

1. A high school graduate or equivalency certificate with successful completion of an introductory and an advanced course approved by the State Department of Health in subject matter required by the license being sought; and

2. Five years full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator approved by this Department for this purpose; or

3. Five years of full-time operating experience while in possession of a valid license one grade lower than that sought.

8:6-3.2 License classification "W-2"

Applicants for a license classified "W-2" shall satisfy the requirements of one of the following subsections.

(a) The first alternative:

1. A college degree related to the field of engineering or New Jersey Professional Engineer's license and successful completion of an advanced course approved by the State Department of Health in subject matter required by the license being sought; and
2. One year full-time working experience in a position requiring direct administrative responsibility for design and construction and placing of public water supply systems, public water treatment plants, or public sewage treatment plants into operation, provided experience has been obtained in the field for which a license is being sought; or
3. One year full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator approved by this Department for this purpose; or
4. One year of full-time operating experience while in possession of a valid license one grade lower than that sought.

(b) The second alternative:

1. An associate degree related to engineering or a nonrelated college degree and successful completion of an advanced course approved by the State Department of Health in subject matter required by the license being sought; and
2. Two years full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator approved by this Department for this purpose; or

3. Two years of full-time operating experience while in possession of a valid license one grade lower than that sought.

(c) The third alternative:

1. A high school graduate or equivalency certificate with successful completion of an introductory and an advanced course approved by the State Department of Health in subject matter required by the license being sought; and

2. Four years full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator approved by this Department for this purpose; or

3. Four years of full-time operating experience while in possession of a valid license one grade lower than that sought.

8:6-3.3 License classification "W-3"

Applicants for a license classified "W-3" shall satisfy the requirements of one of the following subsections.

(a) The first alternative:

1. A college degree related to the field of engineering or a New Jersey Professional Engineer's license; and

2. One year full-time working experience in a position requiring direct administrative responsibility for design and construction and placing of public water supply systems, public water treatment plants, or public sewage treatment plants into operation, provided experience has been obtained in the field for which a license is being sought; or

3. One year full time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided, such experience has been obtained under a licensed operator approved by the Department for this purpose.

(b) The second alternative:

1. An associate degree related to engineering or a nonrelated college degree; and

2. One year full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator approved by this Department for this purpose.

(c) The third alternative:

1. A high school graduate or equivalency certificate and successful completion of an introductory course approved by the State Department of Health in subject matter required by license being sought; and

2. Three years full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator approved by this Department for this purpose.

8:6-3.4 Equivalent training or experience

Equivalent training and/or experience may be accepted in lieu of completion of courses. The academic qualifications are a basic requirement and no substitution is to be accepted.

SUBCHAPTER 4. LICENSE CLASSIFICATION AND REQUIREMENTS—PUBLIC WATER TREATMENT PLANTS

8:6-4.1 License classification "T-1"

Applicants for a license classified "T-1" shall satisfy the requirements of one of the following subsections.

(a) The first alternative:

1. A college degree related to the field of engineering or New Jersey Professional Engineer's license and successful completion of an advanced course approved by the State Department of Health in subject matter required by the license being sought; and

2. Two years full-time working experience in a position requiring direct administrative responsibility for design and construction and placing of public water supply systems, public water treatment plants, or public sewage treatment plants into operation, provided experience has been obtained in the field for which a license is being sought; or

3. Two years full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator in responsible charge approved by this Department for this purpose; or

4. Two years of full-time operating experience while in possession of a valid license one grade lower than that sought.

(b) The second alternative:

1. An associate degree related to engineering or a nonrelated college degree and successful completion of an advanced course approved by the State Department of Health in subject matter required by license being sought; and

2. Three years full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator approved by this Department for this purpose; or

3. Three years of full-time operating experience while in possession of a valid license one grade lower than that sought.

(c) The third alternative:

1. A high school graduate or equivalency certificate with successful completion of an introductory and an advanced course approved by the State Department of Health in subject matter required by the license being sought; and

2. Five years full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator approved by this Department for this purpose; or

3. Five years of full-time operating experience while in possession of a valid license one grade lower than that sought.

8:6-4.2 License classification "T-2"

Applicants for a license classified "T-2" shall satisfy the requirements of one of the following subsections.

(a) The first alternative:

1. A college degree related to the field of engineering or a New Jersey Professional Engineer's license and successful completion of an advanced course approved by the State Department of Health in subject matter required by the license being sought; and

2. One year full-time working experience in a position requiring direct administrative responsibility for design and construction and placing of public water supply systems, public water treatment plants, or public sewage treatment plants into operation, provided experience has been obtained in the field for which a license is being sought; or

3. One year full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided, such experience has been obtained under a licensed operator approved by this Department for this purpose; or

4. One year of full-time operating experience while in possession of a valid license one grade lower than that sought.

(b) The second alternative:

1. An associate degree related to engineering or a nonrelated college degree and successful completion of an advanced course approved by the State Department of

Health in subject matter required by the license being sought; and

2. Two years full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator approved by this Department for this purpose; or

3. Two years of full-time operating experience while in possession of a valid license one grade lower than that sought.

(c) The third alternative:

1. A high school graduate or equivalency certificate with successful completion of an introductory and an advanced course approved by the State Department of Health in subject matter required by the license being sought; and

2. Four years full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator approved by this Department for this purpose; or

3. Four years of full-time operating experience while in possession of a valid license one grade lower than that sought.

8:6-4.3 License classification "T-3"

Applicants for a license classified "T-3" shall satisfy the requirements of one of the following subsections.

(a) The first alternative:

1. A college degree related to the field of engineering or a New Jersey Professional Engineer's license; and

2. One year full-time working experience in a position requiring direct administrative responsibility for design and construction and placing of public water supply systems, public water treatment plants, or public sewage treatment plants into operation, provided experience has been obtained in the field for which a license is being sought; or

3. One year full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided, such experience has been obtained under a licensed operator approved by this Department for this purpose.

(b) The second alternative:

1. An associate degree related to engineering or a nonrelated college degree; and

2. One year full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been ob-

tained under a licensed operator approved by this Department for this purpose.

(c) The third alternative:

1. A high school graduate or equivalency certificate and successful completion of a course approved by the State Department of Health in subject matter required by the license being sought; and

2. Three years full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator approved by this Department for this purpose.

8:6-4.4 Equivalent training or experience

Equivalent training and/or experience may be accepted in lieu of completion of courses. The academic qualifications are a basic requirement and no substitution is to be accepted.

**SUBCHAPTER 5. LICENSE CLASSIFICATIONS
AND REQUIREMENTS—PUBLIC SEWAGE
TREATMENT PLANTS**

8:6-5.1 License classification "S-1"

Applicants for a license classified "S-1" shall satisfy the requirements of one of the following subsections.

(a) The first alternative:

1. A college degree related to the field of engineering or a New Jersey Professional Engineer's license and successful completion of an advanced course approved by the State Department of Health in subject matter required by license being sought; and

2. Two years full-time working experience in a position requiring direct administrative responsibility for design and construction and placing of public water supply systems, public water treatment plants, or public sewage treatment plants into operation, provided experience has been obtained in the field for which a license is being sought; or

3. Two years full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator in responsible charge approved by this Department for this purpose; or

4. Two years of full-time operating experience while in possession of a valid license one grade lower than that sought.

(b) The second alternative:

1. An associate degree related to engineering or a nonrelated college degree and successful completion of an advanced course approved by the State Department of Health in the subject matter required by license being sought; and

2. Three years full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator approved by this Department for this purpose; or

3. Three years of full-time operating experience while in possession of a valid license one grade lower than that sought.

(c) The third alternative:

1. A high school graduate or equivalency certificate with successful completion of an introductory and an advanced course approved by the State Department of Health in subject matter required by the license being sought; and

2. Five years full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator approved by this Department for this purpose; or

3. Five years of full-time operating experience while in possession of a valid license one grade lower than that sought.

8:6-5.2 License classification "S-2"

Applicants for a license classified "S-2" shall satisfy the requirements of one of the following subsections.

(a) The first alternative:

1. A college degree related to the field of engineering or a New Jersey Professional Engineer's license and successful completion of an advanced course approved by the State Department of Health in subject matter required by the license being sought; and

2. One year full-time working experience in a position requiring direct administrative responsibility for design and construction and placing of public water supply systems, public water treatment plants, or public sewage treatment plants into operation, provided experience has been obtained in the field for which a license is being sought; or

3. One year full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator approved by this Department for this purpose; or

4. One year of full-time operating experience while in possession of a valid license one grade lower than that sought.

(b) The second alternative:

1. An associate degree related to engineering or a nonrelated college degree and successful completion of an advanced course approved by the State Department of Health in the subject matter required by the license being sought; and

2. Two years full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator approved by this Department for this purpose; or

3. Two years of full-time operating experience while in possession of a valid license one grade lower than that sought.

(c) The third alternative:

1. A high school graduate or equivalency certificate with successful completion of an introductory and an advanced course approved by the State Department of Health in the subject matter required by the license being sought; and

2. Four years full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator approved by this Department for this purpose; or

3. Four years of full-time operating experience while in possession of a valid license one grade lower than that sought.

8:6-5.3 License classification "S-3"

Applicants for a license classified "S-3" shall satisfy the requirements of one of the following subsections.

(a) The first alternative:

1. A college degree related to the field of engineering or a New Jersey Professional Engineer's license; and

2. One year full-time working experience in a position requiring direct administrative responsibility for design

and construction and placing of public water supply systems, public water treatment plants, or public sewage treatment plants into operation, provided experience has been obtained in the field for which a license is being sought; or

3. One year full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided, such experience has been obtained under a licensed operator approved by this Department for this purpose.

(b) The second alternative:

1. An associate degree related to engineering or a nonrelated college degree; and

2. One year full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator approved by this Department for this purpose.

(c) The third alternative:

1. A high school graduate or equivalency certificate and successful completion of an introductory course approved by the State Department of Health in the subject matter required by the license being sought; and

2. Three years full-time complete operating experience in a utility at least equivalent to that to be covered by the license sought provided such experience has been obtained under a licensed operator approved by this Department for this purpose.

8:6-5.4 License classification "S-In"

This classification shall be limited to Industrial Waste Treatment Plants. Education requirements and/or experience shall be acceptable to the Department, with the successful completion of a course in Industrial Waste Treatment approved by the State Department of Health required for the license being sought.

8:6-5.5 Equivalent training or experience

Equivalent training and/or experience may be accepted in lieu of completion of courses. The academic qualifications are a basic requirement and no substitution is to be accepted.