

## WATER AND WASTEWATER TREATMENT PLANT OPERATOR

DISTINGUISHING FEATURES OF THE CLASS: This is routine work and technical position involving responsibility for the safe and efficient operation and maintenance of a Wastewater Treatment Plant with facilities for chemical precipitation, sludge vacuum filtration, sludge incineration, separate sludge digestion, or any other biological oxidation process. General direction is received from an operator qualified to be in charge of the plant's operation. Supervision may be exercised over trainees in the performance of their assigned duties. Does related work as required.

### TYPICAL WORK ACTIVITIES: (Illustrative only)

Makes daily inspection of plants and plant machinery;  
Makes or supervises necessary tests for control of plant operation;  
Operates trickling filters;  
Treats and disposes of sludge;  
Maintains and repairs machinery;  
Issues instructions for the regulation of chlorinators and chemical feeders;  
Cleans water filters;  
May supervise and instruct laborers, trainees or other subordinate employees;  
Conducts periodic examinations of plant equipment and directs necessary repairs and maintenance;  
Maintains inventory of supplies, chemicals and equipment;  
Requisitions materials;  
Maintains records and prepares periodic reports on the operation of the plant.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS: Good knowledge of the practices used and equipment required in the operation and maintenance of a Wastewater Treatment Plant with facilities for chemical precipitation, sludge vacuum filtration, sludge incineration, separate sludge digestion, or any other biological oxidation process other than the activated sludge and the stabilization or oxidation pond process and a Water Treatment Plant with facilities for the application of chemicals to the water, such as, chlorine or chlorine compounds, chlorine-dioxide, chlorine-ammonia, fluoride compounds, or the process of dechlorination; good knowledge of the operations of a modern wastewater treatment plant; good knowledge of the principles and application of physics, chemistry and bacteriology as applied to wastewater treatment and disposal; good knowledge of the operations of a modern water treatment plant; good knowledge of the principles and applications of physics, chemistry and bacteriology as they relate to water purification; ability to supervise the operation and repair of pumps, valves, and related mechanical and electrical equipment; ability to make routine laboratory and field tests for control of plant operation; ability to plan and supervise the work of subordinates; mechanical aptitude; alertness and dependability; physical condition commensurate with the demands of the position.

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### MINIMUM QUALIFICATIONS:

- Type II-A Water Plant whose designated capacity of over 2.5 million gallons per day:

Graduation from high school or possession of a high school equivalency diploma; satisfactory completion of an appropriate course of instruction approved by the State Department of Health; one year of experience in the actual operation of a water treatment plant with facilities for the application to the water of chemicals having direct health significance such as chlorine or chlorine compounds, chlorine-dioxide, chlorine-ammonia, fluoride compounds, or the process of dechlorination, or any similar process.

- Type A Wastewater Treatment Plant whose designated point score is 31-55:

Graduation from high school or possession of a high school equivalency diploma and six months of operating experience at an activated sludge wastewater treatment plant and the ability to perform necessary tests.

### SPECIAL REQUIREMENTS FOR ACCEPTANCE OF APPLICATIONS:

- Type A Water Plant whose designated capacity is under 2.5 million gallons per day:

Eligibility for a Grade II-A certificate issued under the provisions of the New York State Sanitary Code.

- Type A Wastewater Plant whose designated point score is 31-55:

Eligibility for a Grade IA certificate issued under the provisions of the New York State Department of Environmental Conservation. Possession of the certificate at the time of appointment and maintenance of certificate throughout the tenure of appointment.

**NOTE: POSSESSION OF THE PLANT'S REQUIRED DEC CERTIFICATE MAY BE SUBSTITUTED FOR THE OPERATING EXPERIENCE REQUIRED.**

REVISED: JANUARY 4, 2010

CIVIL SERVICE CLASSIFICATION: VARIES BY JURISDICTION