

Jurisdictional Class:   C    
Location: All Jurisdictions  
Fr. Cty. Grade:   --  

Revised:   KY    
Date: 5/5/16

## WATER AND WASTEWATER TREATMENT PLANT OPERATOR

**DISTINGUISHING FEATURES OF THE CLASS:** This is routine but important work involving responsibility during a shift for the efficient operation and maintenance of a water treatment plant containing facilities for filtration with pretreatment or a chemical softening process and a wastewater treatment plant utilizing an activated sludge process. The incumbent operates a variety of plant equipment and machinery and performs analyses relative to water filtration and treatment of wastewater. The work is performed under general supervision of an operator qualified to be in charge of the operation of the plant with leeway allowed for the exercising independent judgment in planning and carrying out the details of the work. Supervision may be exercised over subordinate employees in the performance of their assigned duties. Incumbent does related work as required.

**TYPICAL WORK ACTIVITIES:** (Illustrative Only)

Operates and maintains pumps, valves, motors, rotating biological contactors, air compressors and related machinery and equipment;  
Performs maintenance work and makes minor repairs to machinery and equipment;  
Records readings of meters, gauges and scales;  
Regulates and adjusts chlorinators;  
Washes filter beds and settling basins, if existing;  
Takes samples for testing;  
Makes necessary tests for control of plant operations;  
Assists in the instruction of trainees;  
Supervises the work of laborers and other subordinate employees;  
Keeps a log of plant operations and related records;  
Performs custodial duties in connection with maintenance of buildings and grounds.

**REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:** Good knowledge of the practices and equipment required in the operation and maintenance of a water/wastewater treatment plant; working knowledge of the principles and applications of physics, chemistry and bacteriology as they relate to water purification and wastewater treatment disposal; skill in the operation and repair of pumps, valves and related mechanical and electrical equipment; ability to read, understand and record data from gauges, scales and meters; ability to make routine laboratory and field tests for control of plant operations; ability to understand and carry out oral and written instructions; mechanical aptitude; alertness and dependability; ability to plan and supervise the work of subordinates.

**MINIMUM QUALIFICATIONS:** Graduation from high school or possession of a NYS high school equivalency diploma **and**

- (1) not less than 12 months of satisfactory experience in the actual operation of a water treatment plant with facilities for the application of chemicals such as chlorine or chlorine compounds, fluoride compounds; **or**
- (2) not less than 12 months of satisfactory experience in the actual operation of a wastewater treatment plant with facilities for the activated sludge process or any similar process.

**SPECIAL REQUIREMENTS:**

1. Possession of the required certificate as issued by the New York State Department of Environmental Conservation, 6 NYCRR Part 6501.11, appropriate to the plant at the time of appointment.
2. Possession of the required certificate as issued by the New York State Department of Health, Bureau of Public Water Supply Protection, under the provisions of the New York State Sanitary Code – Chapter 1, appropriate to the plant at the time of appointment.

**IF POSITION REQUIRES:** Possession of valid New York State Commercial Driver's License (CDL) at time of appointment.