

Jurisdictional Class: Competitive; Non-Competitive when Part Time; Non-Competitive in Towns & Villages
Adopted: September 6, 1985 under 5,000 population
Revised: August 20, 2010

WASTEWATER TREATMENT PLANT OPERATOR

DISTINGUISHING FEATURES OF THE CLASS: The work involves responsibility during an assigned shift for the efficient operation and maintenance of a Wastewater Treatment Plant classified under the provisions of the New York State Department of Environmental Conservation. The work is performed under general supervision of the Chief Wastewater Treatment Plant Operator with some exercise of independent judgment in carrying out the details of the work. Direct supervision may be exercised over subordinate personnel in the performance of their assigned duties. The incumbent does related work as required.

TYPICAL WORK ACTIVITIES: (Illustrative only)

Operates pumps, motors, air compressors, and related machinery and equipment;
Inspects and monitors pump stations and plant facilities;
Makes minor repairs to machinery and equipment;
Records readings from meters and gauges;
Treats and disposes of sludge;
Adds chlorine to sewage;
Takes samples of wastewater for testing;
Makes necessary tests for control of plant operation;
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 a variety of custodial duties in connection with maintenance of the plant and grounds;
Performs a variety of routine sewer maintenance duties.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES & PERSONAL CHARACTERISTICS:

Good knowledge of the practices used and the equipment required in the operation and maintenance of a wastewater treatment plant;
Working knowledge of the principles and applications of physics, chemistry, and bacteriology as applied to wastewater treatment and disposal;
Skill in the operation and repair of pumps, valves, and related mechanical and electrical equipment;
Ability to read and understand the 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.

MINIMUM QUALIFICATIONS FOR TRAINEE: Graduation from high school or possession of a high school equivalency diploma.

Wastewater Treatment Plant Operator

MINIMUM QUALIFICATIONS FOR OPERATOR: Possession of a current appropriate grade-level Wastewater Treatment Plant Operator Certificate issued by the New York State Department of Environmental Conservation for the designated plant classification as governed by the provisions of the New York State Sanitary Code.

Wastewater Treatment Plant whose designated plant point score is 76 points or greater requires Grade A or Grade 4-A Operator Certificate; Wastewater Treatment Plant whose designated plant point score is 56-75 points requires Grade 3 or Grade 3-A Operator Certificate; Wastewater Treatment Plant whose designated plant point score is 31-55 points requires Grade 2 or Grade 2-A Operator Certificate; Wastewater Treatment Plant whose designated plant point score is 30 points or less requires Grade 1 or Grade 1-A Operator Certificate.

“A” designation = Activated Sludge.