

## SENIOR WASTEWATER TREATMENT PLANT OPERATOR

DISTINGUISHING FEATURES OF THE CLASS: This is a supervisory and technical position involving responsibility for the safe and efficient operation of a Wastewater Treatment Plant. Some specific activities and required knowledge and minimum qualifications vary by type and class of plant. The work is performed under general supervision with leeway allowed for planning the work activities of the section including responses to emergency situations. Depending on a particular plant staffing, direct supervision is exercised over subordinate operators, trainees, technicians, and laboratory and maintenance personnel. Does related work as required.

TYPICAL WORK ACTIVITIES: (Illustrative Only) Makes daily inspections of plant and plant machinery; Makes or supervises the performance of physical and chemical tests for control of plant operations; Supervises the treatment of wastewater and disposal of sludge; Assigns section personnel to shifts; Instructs and supervises operators, trainees, technicians, and laboratory and maintenance personnel in the operation and maintenance of plant equipment, procedures to be taken in emergency situations, safety precautions and the performance and recording of various tests and gauge readings; Requisitions and maintains an inventory of supplies, chemicals, and equipment; Maintains records of inspections, preventive maintenance and repair of equipment, periodic gauge readings and required physical and chemical analysis of sludge and wastewater, and any unusual occurrences during plant operation; Assists in the preparation of budget requests.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS: **When assigned to a Type A (Activated Sludge) or Type B (Non-Activated Sludge) Plant:** Good knowledge of the principles and application of physics, chemistry and bacteriology as applied to wastewater treatment and disposal; 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 operations; Ability to plan and supervise the work of subordinates; Mechanical aptitude; Alertness and dependability; Physical condition commensurate with the demands of the position. **When assigned to a Type A Plant:** Thorough knowledge of the practices used and equipment required in the operation and maintenance of a Type A Wastewater Treatment Plant with facilities for the activated sludge process (including all modifications). **When assigned to a Type B Plant:** Thorough knowledge of the practices used and equipment required in the operation and maintenance of a Type B Wastewater Treatment Plant with facilities for the chemical precipitation, sludge vacuum filtration, sludge incineration, separate sludge digestion, or any other biological oxidation process other than the activated sludge and stabilization or oxidation pond process.

MINIMUM QUALIFICATIONS:

**For Grades 1, 2, 1A and 2A:** Graduation from high school or possession of a New York State equivalency diploma and one year experience in a Wastewater Treatment Plant.

**For Grades 3 and 3A:** A. Graduation from a regionally accredited or New York State registered two year college or university with an associates degree in applied science in one of the following curriculums approved by NYSDEC: Ecology and Environmental Technology from Paul Smith's College; OR Water Quality Monitoring from Ulster County Community College; OR Environmental Technology from SUNY-Morrisville; OR Water/Wastewater Technology from Crowder College and one year experience in a Wastewater Treatment Plant.

B. Graduation from a regionally accredited or New York State registered two year college or university with an associates degree in applied science and 18 months of operating experience at a wastewater treatment plant (An Associate of Arts degree with 30 credit hours of math or science is considered equivalent to an Associate in Applied Science) and one year experience in a Wastewater Treatment Plant; OR

C. Graduation from high school or possession of a New York State equivalency diploma and three (3) years of operating experience at a wastewater treatment plant.

Adopted 6/20/83

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