

## WASTEWATER TREATMENT PLANT OPERATOR

DISTINGUISHING FEATURES OF THE CLASS: This is routine but important work involving responsibility during a shift for the safe, efficient operation and maintenance of a wastewater treatment plant. Some specific activities and required knowledges and minimum qualifications vary by the type and class of plant in which the incumbent is employed. The work is performed under the general supervision of an operator qualified to be in charge of the plant. Supervision may be exercised over subordinate employees. Does related work as required.

TYPICAL WORK ACTIVITIES: (Illustrative Only) Starts and stops pumps, motors, air compressors and related machinery and equipment; Makes minor repairs to machinery and equipment; Records readings from meters and gauges; Treats and disposes of sludge; Adds chlorine to wastewater; Takes samples of wastewater for testing; Performs necessary physical and chemical 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 custodial duties in connection with maintenance of buildings and grounds.

### FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL

#### CHARACTERISTICS: When assigned to a Type A (Activated) or Type B (Non-activated)

**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, understand and carry out oral and written instructions; Mechanical aptitude; Alertness and dependability; Physical condition commensurate with the demands of the position.

**When assigned to a Type A Plant:** Good knowledge of the practices used and the 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:** Good knowledge of the practices used and the equipment required in the operation and maintenance of a Type B 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 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.

**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.

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)); 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

Revised 2/22/99; 8/9/99; 7/10/15