

Jurisdictional Class: Competitive  
EEO Category: Skilled Craft  
Revised: 01/05/2023

## **SENIOR WASTEWATER TREATMENT PLANT OPERATOR**

**DISTINGUISHING FEATURES OF THE CLASS:** The duties of employees in this class involve responsibility, during an assigned shift, for the overall efficient operation and maintenance of a wastewater treatment plant, including the facilities for the activated sludge process and solids disposal. The work is performed under general supervision of a higher-level operator. Supervision is exercised over the work of subordinate operators. The incumbent performs related work as required.

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

Supervises and participates in the operation of machinery and equipment at the plant;  
Ensures that readings of meters and gauges and related recordings dealing with plant operations are maintained properly;  
In the absence of the supervisor, has charge for the operation of all aspects of the plant during assigned shift;  
Directs activities of shift crew;  
Advises on-coming shift supervisor of status of all aspects of plant operations;  
Assures that all equipment at the plant is operating properly, and where a problem exists, determines the appropriate action;  
Directs the taking of samples for testing purposes; Trains subordinate employees as necessary;  
May supervise and participate in repairs to machinery and equipment, and related custodial and cleaning activities by employees during the shift.

**FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:** Good knowledge of the practices used and the equipment required in the operation and maintenance of a wastewater treatment plant, with facilities for the activated sludge process and solids disposal (including all modifications); good knowledge of the principles and applications of physics, chemistry and biology, as applied to wastewater treatment and disposal; skill in the operation and repair of pumps, valves and related mechanical and electrical equipment; ability to stay abreast of rapid changing technology; ability to operate and monitor a plant supervisory control and data acquisition system (SCADA); ability to upgrade skills by continuing education; ability to plan, assign and oversee work of subordinate personnel; ability to read, understand and record data from gauges, scales and meters; ability to make routine laboratory and field tests for control of plant operation; ability to understand and carry out oral and written instructions; mechanical aptitude; alertness and dependability.

**MINIMUM QUALIFICATIONS:** Possession of a Grade 3A Wastewater Treatment Plant Operator certificate **AND** two (2) years of experience in the operation and maintenance of a wastewater treatment plant.

**SPECIAL REQUIREMENT:** Possession of a valid New York State driver's license at time of appointment. License must remain valid throughout appointment.

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**NOTE:** Verifiable part-time experience will be pro-rated toward meeting full-time experience requirements.

Adopted: 11/14/1985

Revised: 07/06/1995, 10/11/1995, 07/28/1997, 06/21/2000, 06/26/2000, 10/22/2009, 10/01/2019,  
01/05/2023