

**COUNTY OF ORANGE  
MUNICIPAL/SCHOOL  
JOB CLASSIFICATION SPECIFICATION**

**CLASS TITLE:** SENIOR WATER AND WASTEWATER TREATMENT PLANT OPERATOR      **TITLE #:** 1621

**DISTINGUISHING FEATURES OF THE CLASS:** The work involves responsibility for the efficient operation and maintenance of water and wastewater treatment plants and supervision of operators. The work is performed under general supervision with leeway allowed for independent judgment in planning work methods and dealing with emergency conditions. Supervision is exercised over subordinate employees in the performance of their assigned duties. Incumbent may be required to work evenings and/or weekends. Does related work as required.

**TYPICAL WORK ACTIVITIES:**

Supervises and operates water and wastewater treatment plants ensuring that equipment is functioning effectively to provide an adequate and safe supply of water and disposal of waste material;

Supervises or operates pumps, valves, motors and related machinery and equipment;

Performs maintenance work, inspects and repairs machinery and equipment;

Records readings from meters, gauges and scales;

Regulates and adjusts chemical feeders and takes samples of water and wastewater for testing;

Performs required tests of water and wastewater for control of plant operations;

Treats and disposes of sludge, cleans channels, screens, tanks, filter beds, settling basins and other equipment;

Instructs trainees and supervises subordinate employees;

Keeps plant log and related records and prepares reports on plant operations;

Ensures compliance with state and federal regulations;

Takes charge of facilities in absence of supervisor;

May perform custodial duties in connection with maintenance of buildings and grounds;

May assist in budget preparation, purchasing of materials, equipment parts and contracted services.

**FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:** Thorough knowledge of the practices used and equipment required in the operation and maintenance of water and wastewater treatment plants; good knowledge of the principles and application of physics, chemistry and bacteriology as they relate to water purification, wastewater treatment and disposal; working knowledge of the laws and regulations pertaining to public water supply, wastewater treatment and disposal; ability to make routine laboratory and field tests; ability to read, understand and record data from gauges, scales and meters; supervisory ability; ability to understand and carry out oral and written instructions; ability to communicate clearly both orally and in writing; mechanical aptitude; dependability; physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:** Possession of a Water Treatment Plant Certification and Wastewater Treatment Plant Certification issued under the provisions of the New York State Sanitary Code in a grade determined appropriate by the appointing authority and one (1) year of experience as a Water Treatment Plant Operator or a Water and Wastewater Treatment Plant Operator.

Note: May be required to possess and maintain a valid driver's license.

JURISDICTIONAL CLASS: Competitive

REVISED: 11/20/14