

Jurisdictional Class: Competitive  
EEO Category: Skilled Craft  
Adopted: 01/18/2024

## **SENIOR WASTEWATER TREATMENT PLANT ELECTRICIAN**

**DISTINGUISHING FEATURES OF THE CLASS:** This supervisory position exists in a wastewater treatment plant and involves responsibility for installing, maintaining, and repairing highly technical electrical equipment including low and medium voltage electrical devices. The incumbent works under the general supervision of the Wastewater Treatment Plant Maintenance Superintendent, or Wastewater Treatment Plant Maintenance Supervisor in the absence of the Superintendent and is allowed considerable leeway in determining work methods and procedures. Supervision is exercised over the Wastewater Treatment Plant Electrician and any other helpers assigned to specific projects. The incumbent performs related work as required.

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

Supervises and participates in repairs, maintenance and installation of electrical systems and equipment such as power distribution and auxiliary power distribution equipment, heating ventilating and air conditioning equipment, fixtures and lighting equipment, electrical motors and associated controls, switches, variable frequency drives (VFD's), etc.;

Supervises and participates in repairs, maintenance and installation of machinery and equipment throughout the system;

Maintains comprehensive and accurate records of maintenance work performed;

Makes recommendations to superiors relative to changes designed to improve the efficiency of operation and/or devices and equipment for use in the system;

Consults with supervisors and/or manufacturers' representatives on difficult repairs and installation of new or modified equipment;

Maintains and installs equipment at the main wastewater plant and its pumping stations;

May supervise assistants assigned to help with large or complex maintenance and repair jobs.

**FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:**

Thorough knowledge of the operation and function of electrical/electronic devices, as applied to wastewater treatment facilities; thorough knowledge of the principles, practices and theories of low and medium voltage electrical distribution systems and control systems; ability to work from plans, schedules and schematics; ability to direct oral and written instructions; ability to troubleshoot various electrical/electronic devices, including relay/electronic controls and monitoring systems; initiative and resourcefulness in solving mechanical, electrical and electronic problems; ability to get along well with others.

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**MINIMUM QUALIFICATIONS:**

- (A) Possession of Associate's Degree in electrical technology, electronics, or electrical service technology **AND** possession of a Journeyman Electrician certification **AND** four (4) years of experience in the installation, maintenance and/or repair of electrical equipment, control systems and/or instrumentation equipment in an industrial setting; **OR**
- (B) Graduation from high school or possession of a high school equivalency diploma **AND** possession of a Journeyman Electrician certification **AND** six (6) years of experience in the installation, maintenance and/or repair of electrical equipment, control systems and/or instrumentation equipment in an industrial setting.

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

**NOTES:**

- 1. Degree(s) must have been awarded by a college or university accredited by a regional, national, or specialized agency recognized as an accrediting agency by the U.S. Department of Education/U.S. Secretary of Education. If the degree was awarded by an educational institution outside the United States and its territories, the candidate must provide independent verification of equivalency. A list of acceptable companies who provide this service can be found on the Internet at <http://www.cs.ny.gov/jobseeker/degrees.cfm>. Candidates will be required to pay the evaluation fee.
- 2. Verifiable part-time experience will be pro-rated toward meeting full-time experience requirements.

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