



Richard C. David, Mayor

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# Job Opening

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## **ELECTRICIAN'S HELPER** **\$23.19 - \$27.19 PER HOUR** **BINGHAMTON/JOHNSON CITY JOINT SEWAGE TREATMENT PLANT**

General employment applications may be obtained at the Binghamton-Johnson City WWTP, 4480 Vestal Road, Vestal, New York 13850 or from the Web-Site at <http://bjcwwtp.org>.

**DISTINGUISHING FEATURES OF THE CLASS:** This is routine work in the performance of a wide variety of unskilled and semi-skilled tasks directly assisting the Joint Sewage Treatment Plant (JSTP) Electrician and/or Instrument Technician while learning the more skilled aspects of the work. The incumbent of this position, in learning and perfecting craft skills, may perform journey level installation, maintenance, and repair activities under supervision of, or after receiving detailed instructions from, higher level employees. The incumbent of this position works under the direct supervision of the JSTP Electrician, who provides work assignments, and may work under the supervision of an Instrumentation Technician, Head Electrician, and/or the Electrical Engineer – Waste Water Treatment Plant (WWTP) on assigned projects. The nature of the work may require an employee in this class to operate motor vehicles and power-driven equipment. Does related work as required.

**TYPICAL WORK ACTIVITIES:** Assists the Electrician and/or Instrumentation Technician[s] in their daily tasks at the JSTP and/or remote Terminal Pumping Station with respect to electrical circuitry, electrical devices, equipment, and industrial instrumentation found in wastewater treatment plants / systems by using a variety of tools and test equipment; Assists with the installation, maintenance, troubleshooting, and repair of electric motors, Variable Frequency Drives (VFDs), pumps and generators, lighting, as well as associated circuitry; takes amperage and voltage readings; tests resistance and records readings; Assists with the installation, maintenance, cleaning, troubleshooting, repair, and calibration of electrical and electronic equipment and devices, including sensors, recorders, and indicators; Installs rigid conduit, pulls and splices wire on new and renovation projects; Digs holes and trenches for conduit when required; Assists with the performance of work on existing Supervisory Control and Data Acquisition (SCADA) systems and associated Programmable Logic Controllers (PLCs), power supplies, and equipment; Fulfills accountability and reporting requirements relating to work performed and materials used; Responsible for inventory and stocking shelves with supplies as needed for electrical parts; Learns and perfects craft skills to perform journey level activities associated with the installation, maintenance, and repair of industrial electrical circuits, equipment, and instrumentation; As required, performs routine building maintenance/cleaning work.

**FULL PERFORMANCE KNOWLEDGE, SKILLS AND ABILITIES & PERSONAL CHARACTERISTICS:** Working knowledge of the common terminology, tools, equipment, practices, methods, and safety precautions of the trade as applied to electrical installation, maintenance, and repair activities in a wastewater treatment plant job environment; Ability to read plans, specifications, and circuit diagrams; Ability to follow rough sketches, understand and carry out oral and written instructions; Ability to operate and care for power equipment and hand tools; Dependability; Incumbents of this position will follow given work and time schedules; Ability to operate a personal computer and utilize common office software programs including word processing, spreadsheet, and database at an acceptable rate of accuracy and speed; Good knowledge of building maintenance and cleaning techniques; Physical condition commensurate with the demands of the position, including the ability to perform moderate to heavy manual labor.

**MINIMUM QUALIFICATIONS:**

- (a) Graduation from high school with a course in applied electricity, or possession of a New York high school equivalency diploma with a course in applied electricity, or successful completion of an electrical class provided by the United States Armed Forces; **OR**
- (b) Two years of experience as a helper in any of the standard building trades (such as electrical, carpentry, millwright, plumbing, HVAC/sheet metal, etc.) or a related field; **OR**
- (c) An equivalent combination of training and experience as indicated in (a) or (b).

**SPECIAL REQUIREMENT:** Possession of the appropriate level New York State Motor Vehicle Operators License at the time of appointment and maintain the license during the entire length of appointment.

**CANDIDATES MUST BE LEGAL RESIDENTS OF ONE OF THE FOLLOWING COUNTIES IN NEW YORK STATE; BROOME, TIOGA, TOMPKINS, CORTLAND, CHENANGO, OTSEGO, OR DELAWARE, OR SUSQUEHANNA, PENNSYLVANIA.**

Posted: 12/27/2021

Last Date to File: Open