

WASTEWATER TREATMENT PLANT INSTRUMENT TECHNICIAN

BINGHAMTON-JOHNSON CITY JOINT SEWAGE PLANT

SALARY: \$23.37 TO \$27.37 per hour

General employment applications may be obtained at the office of the Binghamton-Johnson City Joint Sewage Board, 4480 Vestal Road, Vestal, New York, 13850, you may contact Michele at 607-729-2975 for employment application or from the **BJCJSB Web-site at: www.bjcwwtp.com**

DISTINGUISHING FEATURES OF THE CLASS:

Under general supervision, performs skilled electronic and electrical work involving the troubleshooting, installation, and repair of the sophisticated and elementary, instrumentation power and control systems in the wastewater treatment facility, or sewer systems. The work involves responsibility for the installation, calibration, maintenance and repair of electronic instruments and devices used to operate, measure and monitor wastewater treatment processes. The work is performed under the general supervision of the Wastewater Treatment Plant Head Electrician with leeway allowed for the exercise of independent judgment in planning and carrying out the details of the work. Does related work as required.

TYPICAL WORK ACTIVITIES:

Assist in the installation and repair of assigned instrumentation and electrical systems. Install, troubleshoot, and repair instrument and electrical equipment associate with controllers, transmitters, samplers, low elements, gas detection systems, level and temperature devices, pH analyzers, density probes and analyzers, variable frequency motor drives, programmable controllers, electrical distribution systems, automatic transfer switches, and on site power generation system. Isolate and correct end elements, such as transmitters and analyzers. Assists in maintaining and calibrating computer based telemetry equipment. Assist in troubleshooting, repair and calibration of complex control loops containing many elements such as: motor starters, pressure to current converters, pulse to current converters, voltage to current converters, level and/or flow devices, networks, and work stations. Solve interface problems between and elements and the computer control system, and maintain a daily log. Modify, replace, or rebuild old equipment to facilitate maintenance and/or upgrade instrument systems. Assist in preventive maintenance, calibration and testing program to carry out a continuous program of instrument inspection and maintenance in an effort to preclude equipment failure and related process control problems.

MINIMUM QUALIFICATIONS: Either:

- (a) Graduation from a regionally accredited college or university or one accredited by the New York State Board of Regents to grant degrees with an Associate's degree in electrical technology or electronics or closely related field and two (2) years of experience maintaining, repairing and installing electronic equipment; or
- (b) Graduation from high school or possession of a high school equivalency diploma and four (4) years of experience as defined by the limits of (a); or (c) An equivalent combination of training and experience as defined by the limits of (a) or
- (c) An equivalent combination of training and experience as defined by the limits of (a) and (b)

SPECIAL REQUIREMENT: Possession of a New York State Driver's License is required at time of appointment and must be maintained during entire length of employment.

RESIDENCY REQUIREMENTS: CANDIDATES MUST HAVE BEEN LEGAL RESIDENTS OF ONE OF THE FOLLOWING COUNTIES IN NEW YORK STATE; BROOME, TIoga, TOMPKINS, CORTLAND, CHENANGO, OTSEGO, OR DELAWARE, OR SUSQUEHANNA, PENNSYLVANIA FOR AT LEAST ONE MONTH IMMEDIATELY PRECEDING THE EXAMINATION DATE.

The Binghamton-Johnson City Joint Sewage Board is an equal employment opportunity employer with a commitment to work force diversification. All new hires are required to pass a pre-employment drug test as a condition of employment.