

WATER PLANT INSTRUMENT TECHNICIAN

DISTINGUISHING FEATURES OF THE CLASS: This is technical work in the inspection, maintenance, repair and replacement of electric instrumentation and electronic devices used in a modern water treatment plant and distribution system. Work is performed under the general supervision of the Commissioner of the Water Department with leeway allowed for independent judgment in carrying out the duties of the position. Supervision may be exercised over various maintenance workers and other subordinates.

TYPICAL WORK ACTIVITIES: (Illustrative Only)

- Inspects, adjusts and repairs electrically, hydraulically, electronically and pneumatically activated meters, gauges and other recording, regulating and controlling instruments necessary for the proper operation of a modern water treatment plant;
- Makes periodic tests and overhauls electrical and electronic equipment to assure continued operation;
- Performs preventive maintenance on all equipment according to a set schedule to assure continued operation;
- Calibrates equipment using a variety of testing devices to correlate instruments with established standards;
- Determines priority of work and recommends the use of consultants when necessary;
- Prepares reports and keeps records on all maintenance and repair work performed;
- May recommend the purchase of new or replacement of old electronic, electrical or mechanical equipment;
- May supervise the routine inspection, repair, and maintenance of electronic equipment;
- Enters and retrieves information in an automated information system;
- Performs related work as required.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

- Good knowledge of the methods, materials, tools, equipment and procedures used in the installation, repair and maintenance of electronic equipment;
- Knowledge and experience working with programmable logic controllers.
- Good knowledge of personal computers and office equipment;
- Working knowledge of machinery, equipment, maintenance and repair of a water treatment plant;
- Skill in making electronic and mechanical repairs;
- Skill in the use of manual and power tools;
- Ability to work from plans and specifications;
- Ability to follow oral and written directions;
- Mechanical aptitude;
- Dependability;
- Physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS:

- A. Graduation from a regionally accredited or NYS registered college or one accredited by the NYS Board of Regents to grant degrees with an Bachelor's Degree (or higher) in Electrical Technology, Electronics or Mechanical Technology or a related field and one (1) year of experience in the installation, maintenance and repair of electronic or electrically operated equipment in a water treatment plant; **OR**
- B. Graduation from a regionally accredited or NYS registered college or one accredited by the NYS Board of Regents to grant degrees with an Associate's Degree in Electrical Technology, Electronics or Mechanical Technology or a related field and three (3) years of experience in the installation, maintenance and repair of electronic or electrically operated equipment in a water treatment plant; **OR**
- C. Graduation from high school or possession of a high school equivalency diploma and five (5) years of experience in the installation, maintenance and repair of electronic of electrically operated equipment in a water treatment plant.

SPECIAL NOTE:

A valid NYS Driver's License is required at the time of appointment and for the duration of employment.

NOTE:

Position may require ability to work Saturdays, Sundays, and holidays; and able to work shift assignments during the day, evening and nights.

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1/5/15
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