

## **JOURNEYMAN ELECTRICIAN - TRAINEE**

Code No: 4-11-050

COMPETITIVE

**DISTINGUISHING FEATURES OF THE CLASS:** This is an entry-level electrical position involving a wide variety of skilled tasks in the installation, maintenance and repair of various types of electrical equipment and wiring used in water treatment, pumping and storage facilities of the Water Authority Plant Department. Employees in this class receive on-the-job training from a senior staff member. The traineeship is for a period of two (2) years, following which incumbents receiving satisfactory ratings will be advanced to the title Journeyman Electrician without further examination. Employees work under direct supervision of a senior staff member. Does related work in other maintenance groups as required.

**TYPICAL WORK ACTIVITIES:** (All need not be performed in a given position. Other related activities may be performed although not listed.)

Assists in the installation, maintenance, calibration and repair of electrical equipment such as motors, starters, switch gear, wiring circuits, transformers, lighting, batteries, auxiliary power units, and telemetry equipment;

Assists in the installation, maintenance, calibration and repair of instrumentation equipment such as recorders and meters;

Assists in the seasonal start-up and shut-down of booster stations;

Assists in keeping equipment maintenance repair logs and records;

Assists in requisitioning parts and supplies.

**FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:** Working knowledge of the installation, operation, maintenance and repair of electric motors, starting equipment, switch gear, wiring, recorders, meters and other telemetering equipment; working knowledge of the operation and maintenance of other electrical equipment used in water treatment facilities; ability to read and understand moderately complex electrical schematic drawings and written instructions; ability to work without constant supervision; mechanical aptitude and manual dexterity; good judgment and initiative; physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:**

- (A) Graduation from high school or possession of a high school equivalency diploma plus one (1) year of paid experience in the maintenance and repair of electrical equipment; OR,
- (B) Graduation from a regionally accredited or New York State registered college or university with an Associate's degree (or 60 credit hours) in electrical or instrumentation technology; OR,
- (C) An equivalent combination of training and experience as defined by the limits of (A) and (B) above.

**SPECIAL REQUIREMENT:** If you are appointed, you will be required to have a valid license to operate a motor vehicle in New York State or otherwise demonstrate your capacity to meet the transportation needs of the job.

**SPECIAL REQUIREMENT FOR APPOINTMENT IN SCHOOL DISTRICTS AND BOCES:**

Per Chapter 180 of the Laws of 2000, and by Regulations of the Commissioner of Education, to be employed in a position designated by a school district or BOCES as involving direct contact with students, a clearance for employment from the State Education Department is required.

**ADOPTED:** October 24, 1985

**REVISED:** October 3, 1996