

## **ELECTRICAL MAINTENANCE TECHNICIAN**

Code No: 4-14-121  
COMPETITIVE

**DISTINGUISHING FEATURES OF THE CLASS:** This position in the Monroe County Water Authority is responsible for the installation, maintenance and repair of a wide variety of electrical equipment and wiring used in the treatment plant and transmission facilities. Work requires regular inspection of various areas within the plant and offsite locations including booster pumping stations, tanks and reservoirs. Employees are required to climb ladders or stairs and enter confined or restricted spaces including sub-grade facilities and maneuver or work in tight quarters around machinery. The employee reports directly to and works under the Supervisor of Electrical Maintenance who provides detailed review and instructions for new and complex assignments. General supervision may be exercised over other plant maintenance unit employees for special projects. Employees must be available for emergency duty twenty-four (24) hours per day. Does related work as required.

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

Installs, maintains and repairs motors, starters, switch gear, variable speed drives, programmable logic controllers, wiring, circuits, transformers, lighting batteries, and auxiliary power units at various locations;

Assists in establishment of maintenance schedule plan and job priorities;

Assists in keeping appropriate records of equipment maintenance;

Requisitions parts and supplies;

Assists in the planning and design of electrical aspects of proposed new facilities and equipment.

**FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:** Good knowledge of methods and procedures used to install, operate, maintain and repair electrical components of the facilities such as electric motors, starting and control equipment, switch gear, wiring transformers, lighting batteries, and auxiliary power units; good knowledge of methods and procedures used to assure safe working conditions within the assigned activity; good knowledge of electrical equipment maintenance scheduling and record keeping; mechanical aptitude; manual dexterity; ability to exercise judgment and initiative in meeting unusual situations and emergencies at work site without direct supervision; ability to keep accurate records; ability to perform electrical operations; ability to assist in planning and designing the electrical aspects of new facilities and equipment; ability to become thoroughly familiar with pertinent electrical equipment by personal study and in consultation with manufacturers' representatives; integrity; good judgment; initiative; physical condition commensurate with the demands of the position including medical requirements for use of respirator and self-contained breathing apparatus.

**MINIMUM QUALIFICATIONS:** EITHER:

- (A) Graduation from high school or possession of an equivalency diploma, plus five (5) years paid full-time or its part-time equivalent experience in electrical and/or instrumentation

maintenance; OR,

- (B) Graduation from a regionally accredited or New York State registered college or university with an Associate's degree in Electrical Engineering, plus three (3) years paid full-time or its part-time equivalent experience as defined in (A); OR,
- (C) An equivalent combination of training and experience as defined by the limits of (A) and (B) above.

**SPECIAL REQUIREMENTS:**

Depending on the position duties, candidates for employment with the Monroe County Government will be required to pass a pre-employment drug test.

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.

**ADOPTED:** March 19, 1981  
**REVISED:** April 15, 1993  
**REVISED:** October 16, 2003