

JOURNEYMAN ELECTRICIAN

Code No.: 3-11-060

COMPETITIVE

DISTINGUISHING FEATURES OF THE CLASS: This is an electrical or instrumentation position responsible for a wide variety of skilled tasks in the installation, maintenance and repair of various types of electrical and instrumentation equipment and wiring used in water treatment, pumping and storage facilities of the Monroe County Water Authority Water Treatment Plant Department. Work requires regular inspection of various areas within the treatment 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 subgrade facilities and maneuver or work in tight quarters around machinery. The employee reports directly to and works under the general supervision of a senior level staff member. General supervision may be exercised over other plant maintenance unit employees for specific projects. 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 repairs of electrical equipment such as motors, starters, switch gear, wiring circuits, transformers, lighting, batteries, auxiliary power units;

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

Assists in keeping equipment maintenance repair logs and records;

Assists in requisitioning parts and supplies;

Participates occasionally in the planning of projects relating to the work group.

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS: Good knowledge of the installation, operation, maintenance and repairs of electric motors, starting equipment, electrical switch gear, wiring, recorders, meters, and telemetering equipment; working knowledge of the operation and maintenance of 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; manual dexterity; 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 three (3) years paid full-time or its' part-time equivalent 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 semester credit hours) plus one (1) year experience as

defined in (A) above; OR,

- (C) An equivalent combination of training and experience as defined by the limits of (A) and (B).

SPECIAL REQUIREMENT:

Possession of a valid Class D New York State Driver's License at time of appointment.

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: May 21, 1981

REVISED: April 18, 1991

REVISED: April 15, 1993