

ELECTRICAL MECHANIC

Recruitment #1501-1527.5-001

List Type Transfer/Promotional
Requesting Department DPW-WATER-BUSINESS
Open Date 1/30/2015 11:59:00 PM
Filing Deadline 2/20/2015 11:59:00 PM
HR Analyst Jeff Harvey

PURPOSE

As a shop electrician, this position will install, repair and maintain electrical wiring and equipment, such as pumps, motors, generators, and automated equipment serving the Milwaukee Water Works (MWW).

ESSENTIAL FUNCTIONS

- Perform preventative maintenance and repairs on existing plant machinery in the Linnwood and Howard Treatment Plants, 4 pumping stations, 11 booster stations, 2 elevated storage tanks, 4 ground storage tanks, and any other locations where the MWW has electrical equipment.
- Diagnose electrical wiring components and systems, equipment, and components for malfunctions on systems such as AC and DC circuits, high voltage systems, switch gear and transformers and automated systems.
- Maintain small and large horsepower motors and controllers.
- Install newly purchased electrical equipment to National Electric Codes (NEC) and MWW standards.
- Analyze detailed new construction and existing construction blueprints, schematics and drawings of electrical systems for the purpose of determining the efficient installation of new or upgraded systems.
- Understand, install, and maintain complex control systems comprised of Program Logic Controller (PLC), Programmable Automation Controllers (PAC), Human Machine Interface (HMI), variable frequency drives, chemical feed systems, low voltage systems, and other automated equipment.
- Maintain records, files, preparing and ordering supplies and equipment in a CMMS (computerized maintenance management system).

Reasonable accommodations requested by qualified individuals with disabilities will be made in accordance with the Americans with Disabilities Act (ADA) of 1990, as amended by the Americans with Disabilities Act Amendments Act (ADAAA) of 2008.

CONDITIONS OF EMPLOYMENT

- Electrical Mechanics must be available for emergency call-in work, as needed. Evening, weekend, and holiday work may be assigned on a rotating schedule.

MINIMUM REQUIREMENTS

1. Current status a regularly appointed City of Milwaukee employee having passed probation for the current position held.
2. Three (3) years of experience as a certified, journey-level Electrician, performing duties related to this position.
3. Valid driver's license at time of appointment and throughout employment.

Electrical Mechanic (DPW-Water)

DESIRABLE QUALIFICATIONS

- State certification as a Master Electrician.

KNOWLEDGES, SKILLS, ABILITIES & OTHER CHARACTERISTICS

- Knowledge of electrical wiring, circuitry, and/or electronic components.
- Knowledge of current City, state and national electrical code.
- Practical knowledge of work involved in the installation, repair, and maintenance of the electrical systems as described in the essential functions above.
- Ability to use color-coded wiring systems (cannot be color-blind).
- Ability to read and interpret wiring diagrams, blueprints, and other electrical specifications.
- Ability to use hand tools and other mechanical equipment common to the electrical profession.
- Ability to work in confined spaces with limited ingress-egress (i.e. manholes, vaults, substations, equipment rooms, access pits and storage tanks).
- Ability to work independently with minimal supervision.
- Ability to lift and move equipment or materials weighing up to 50 pounds and more with assistance.
- Ability to perform job-related tasks outdoors under extreme weather conditions.

CURRENT SALARY

SALARY (PG 7MN): The current starting wage for City of Milwaukee residents is \$30.29 per hour. The non-resident starting wage is \$29.55 per hour.

SELECTION PROCESS

THE SELECTION PROCESS will be job related and will consist of one or more of the following: an evaluation of related education, experience and accomplishments, written tests, interview, or other assessment methods. The Department of Employee Relations and the Milwaukee Water Works reserve the right to call only the most qualified candidates to oral, performance tests or personal interviews. Information from the selection process will be used to make a hiring decision. Selected candidates will be transferred and/or promoted to the position.

- NOTE: *Transfer/Promotional Opportunities and Promotional Examinations are not open to Milwaukee Public Schools employees or to the public. Only current non-probationary City of Milwaukee employees and civilian personnel in MFD and MPD hired through a City Service Commission process will be considered. Individuals with exempt, provisional, temporary or emergency appointments are not eligible for transfer/promotional opportunities.*