

CITY OF CEDAR RAPIDS POSITION PROFILE	JOB CODE #/TITLE: AF141 WPC Electrician III
POSITION #/TITLE: 2343 Water Pollution Control Electrician III	Adopted: 01-07 Revised: 06-13

POSITION DESCRIPTION

Dept/Division: Utilities/Water Pollution Control	Manager Level: Lead Worker
Salary Plan/Description: AFS/AFSCME	Salary Grade: 32
Reports To Position #/Job Code #/JC Title: 0419/NB198/WPC Electrical Systems Supervisor	Dotted-line Reports To Position #/Job Code #/JC Title:
FLSA Status: Non-Exempt	City Overtime Status (Employee Type): Non-Exempt (Exception Hourly)
Physical Demand Rating: Very Heavy	Work Environment: Uncontrolled
Pre-employment Testing: Drug and health screening after contingent offer.	Position Testing: Health screening, Use of SCBA, Physical Qualifications Test
Personal Protective Equipment: Eye, Face, Hand, Head, Foot, Hearing, Protective Clothing, Respirator, Gas Monitor	

General Statement of Duties

Provides advanced technical services in the area of electrical repair and maintenance.

Distinguishing Features of the Class

Work is performed under general supervision, with the ability to exercise discretion in selection of work method and schedule. This classification is distinguished from WPC Electrician I and II by lead responsibilities.

Examples of Essential Work (Illustrative Only)

Installs, repairs and maintains electrical distribution systems, motors, variable frequency drives, and other electrical equipment of a wastewater treatment plant;
 Troubleshoots malfunctions of electrical and pneumatic control components of facility equipment, as well as motor control circuits and medium voltage switch gear;
 Designs, constructs or modifies blueprints for electrical installations;
 Serves as lead worker to Water Pollution Control Electricians I and II;
 Assigns workloads to Electricians I and II according to supervisor designations;
 Assists in training Electricians I and II;
 Requisitions equipment and supplies as required in accordance with Purchasing Services rules and regulations;
 Performs emergency repair services as needed;
 Advises management personnel with respect to electrical installations;
 Maintains records;
 Attends shop staff and safety meetings;
 Wears and properly uses safety equipment including personal protective, fall protection equipment, self-contained breathing apparatus, and gas detection equipment;
 Other duties as assigned;
 Performs all work duties and activities in accordance with City policies, procedures and safety practices;
 Attends work regularly at the designated place and time;

Supports continuous process improvement initiatives;
Performs related work as required.

Required Knowledge and Abilities

Requires the following knowledge, skills, and abilities:
Firm knowledge of basic electricity theory, electrical safety, circuit design, functions of transformers and associated electrical equipment;
Knowledge of functions of specific electrical equipment utilized in wastewater collection and treatment processes and its operation and maintenance;
Knowledge of safe electrical working practices as required by NFPA 70E;
Knowledge of OSHA permit-required confined space entry protocol, respiratory protection standards, right-to-know laws, CPR, and First Aid;
Ability to communicate effectively and establish and maintain effective working relationships with other City employees, supervisory personnel, contractors, and the public;
Ability to quickly learn and put to use new skills and knowledge brought about by rapidly changing information and/or technology;
Ingenuity and inventiveness in the performance of assigned tasks.

Acceptable Experience and Training

Requires completion of a four-year electrical apprenticeship program covering construction, control, safety and high-voltage components and procedures; a minimum of two years experience as a journeyman maintenance electrician, plus two years experience at a wastewater treatment facility; and
Documented additional journeyman-level job experience may be substituted for formal apprenticeship program; or
Any equivalent combination of experience and training which provides the knowledge and abilities necessary to perform the work.

Required Special Qualifications

Must possess master electrician's license issued by the State of Iowa (based on municipal electrical code), or ability to obtain within 12 months of employment.
Valid Iowa Driver's License upon appointment.

Essential Physical Abilities

Requires the following, with or without reasonable accommodation:
Sufficient clarity of speech and hearing which permits the employee to communicate effectively;
Sufficient vision which permits the employee to operate equipment and tools;
Sufficient manual dexterity which permits the employee to operate equipment.