

<b>CITY OF CEDAR RAPIDS POSITION PROFILE</b>	<b>JOB CODE #/TITLE:</b> AF048 WPC Electrician II
<b>POSITION #/TITLE:</b> 0348 Water Pollution Control Electrician II	<b>Adopted:</b> 07-97
	<b>Revised:</b> 10-13

<b>POSITION DESCRIPTION</b>
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<b>Dept/Division:</b> Utilities/Water Pollution Control	<b>Manager Level:</b> Non-Manager
<b>Salary Plan/Description:</b> AFS/AFSCME	<b>Salary Grade:</b> 30
<b>Reports To Position #/Job Code #/JC Title:</b> 0602/NB198/WPC Electrical Systems Supv	<b>Dotted-line Reports To Position #/Job Code #/JC Title:</b>
<b>FLSA Status:</b> Non-Exempt	<b>City Overtime Status (Employee Type):</b> Non-Exempt (Exception Hourly)
<b>Physical Demand Rating:</b> Very Heavy	<b>Work Environment:</b> Uncontrolled
<b>Pre-employment Testing:</b> Drug and health screening after contingent offer.	<b>Position Testing:</b> Health screening, Use of SCBA, Physical Qualifications Test
<b>Personal Protective Equipment:</b> Eye, Face, Hand, Head, Foot, Hearing, Protective Clothing, Respirator, Gas Monitor	

<b>General Statement of Duties</b>
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Provides advanced technical services in the area of electrical repair and maintenance.

<b>Distinguishing Features of the Class</b>
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Work is performed under general supervision, with the ability to exercise discretion in selection of work method and schedule.

<b>Examples of Essential Work (Illustrative Only)</b>
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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;  
 May serve as lead worker to Water Pollution Control Electrician I;  
 Requisitions equipment and supplies as required;  
 Performs emergency repair services as needed;  
 Advises management personnel with respect to electrical installations;  
 Maintains records related to electrical systems within the WPC Division;  
 Wears and properly uses safety equipment including personal protective, fall protection equipment, self-contained breathing apparatus, and gas detection equipment;  
 Performs all work duties and activities in accordance with City policies, procedures and safety practices;  
 Attends meetings, conferences and workshops;  
 Supports continuous process improvement initiatives;  
 Performs related work as required.

<b>Required Knowledge and Abilities</b>
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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**

Possesses electrician's license issued by the City of Cedar Rapids (based on municipal electrical code), or ability to obtain.  
Valid Iowa Driver's License upon appointment.

### **Essential Physical Abilities**

Requires the following, with or without reasonable accommodation:  
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.