

Job Class Specification

Title:	Electrician (Environmental Services)
Job Code:	322250
Bargaining Unit(s)/Grade:	IBEW, Local 110
FLSA Status:	Non-Exempt
Safety Sensitive:	No
Competency Model:	Individual Contributor
Career Family:	Skilled Trades-Electrician

Summary

This position provides troubleshooting, repair and preventative maintenance to all electrical systems and related equipment. This position also maintains, installs, troubleshoots and repairs various electrical process equipment ensuring the safe, efficient and continuous operation of the treatment plants and collection system.

Essential Responsibilities*

In addition to regular attendance, the following responsibilities are typical of the duties performed by incumbents in this job class. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential duties of the position. This position does not supervise or provide work direction to others.

- Performs electrical work related to system process in a timely manner.
- Maintains personnel protection system for fire, chlorine and SO₂ alarm.
- Engineers, designs and lays out electrical/electronic control circuits.
- Performs electrical construction work. Verifies proper operation with plant processes.
- Troubleshoots and repairs a wide variety of electrical/electronic equipment.
- Inspects, adjusts, calibrates and tests metering and recording devices.
- Checks and maintains emergency service equipment.
- Coordinates inventory needs and stocking issues with Procurement and Warehouse staff.
- Completes job reports on labor and material.
- Works with Maintenance Management System (Synergen), Process Control System (Bailey), and other computer system software programs.
- Maintains monitoring systems at lift stations, meter sites, river quality monitoring, regulator and rain gauge sites.
- Diagnoses and repairs integration devices between field devices and process computers.
- Provides welding to support the electrical group.
- Tests, installs, and repairs sacrificial and rectifier-type cathodic protection systems.
- Work Direction to others: none.
- Other related duties as assigned.

Minimum Qualifications

Education	Two-year vocational/technical program in construction electricity.
Experience	Three years of Journeyman experience, instrumentation and controls experience, and programmable logic controller and programming (industrial experience). Completion of MN State Indentured Apprentice Electrical Program.
License Requirements	State of MN Class "A" Journeyman Electrician license. Ability to obtain a Master Electrician License within five years is desirable.

Knowledge, Skills and Abilities Required:

Technical	Knowledge of and experience in all aspects of assembling, installing, maintaining and testing electrical equipment and wiring systems in an industrial setting.
Computer	Knowledge of software such as Synergen, Word, Excel, and GroupWise.
Language	<u>Level 2.</u> Ability to read and interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals.
Math	<u>Level 2.</u> Ability to add, subtract, multiply and divide using whole numbers, common fractions and decimals. Ability to compute rate, ratio and percent, and to draw and interpret bar graphs.
Human Relations	<u>Level 1:</u> Requires the skill to provide basic client services to the public and other agencies within the organization. Requires tact, courtesy and cooperation in dealings with others where the primary purpose is the exchange of information. Promotes an equitable, positive, and respectful work environment that values culture and diversity among all employees.

Working Environment

Ability to work in all outdoor weather conditions. Ability to work in wastewater treatment plant facilities and collection sites including underground lift stations, meter vaults, sewers and control vaults.

Physical Requirements

Ability to work underground, in high or precarious positions, and in confined space. Ability to lift up to 50 pounds and climb ladders approximately 50% of the time. May be required to operate boom trucks and ariel equipment.

Developed: 10/06

* The job responsibilities listed are typical of the positions included in the job classification; however, not all duties are necessarily performed by each specific position.