



JOB TITLE: Wastewater Utility Electrician
DEPARTMENT: Maintenance
REPORTS TO: Maintenance Manager
FLSA STATUS: Non-Exempt

SUMMARY OF POSITION

This position is responsible for assisting all departments with electrician needs including the maintenance, inspection, and troubleshooting of electrical systems in the District's wastewater collection and treatment facilities, reclaimed water distribution systems, and building facilities. The incumbent performs skilled journeyman-level electrician work to install, maintain, and repair electrical systems and equipment in accordance with standard practices of the electrical trade. The incumbent is guided by policies and assignments received from the Department Managers but is carried out with considerable independent judgment in accomplishing the work. This is a District safety-sensitive position in accordance with Arizona law.

ESSENTIAL FUNCTIONS

Performs duties and responsibilities commensurate with assigned department which may include, but are not limited to, any combination of the following:

- Performs troubleshooting of electrical systems to assist in diagnosing operational issues of mechanical equipment.
- Assists Collection System Department with electrical work at sewage pump stations.
- Assists Treatment Operators Department with electrical work at treatment plants, wells, and reclaimed water distribution pump and valve stations.
- Assists Maintenance Department with electrical circuits and lighting of buildings.
- Inspects Motor Control Centers, electrical disconnects, junction boxes and other electrical and control cabinets, and perform maintenance such as tightening of lugs and terminals, cleaning panels, proper labeling, and identification of circuits, and replacing indicators and lamps as needed.
- Replaces some electrical components such as relays, starters, lighting, and indicators.
- Maintains and repairs 120-volt to 480-volt electrical systems and low voltage circuits for wastewater and reclaimed water facilities.
- Works together with SCADA/Instrumentation technician to troubleshoot, maintain, or start up existing or new control systems which operate mechanical equipment.
- Reviews engineering plans for new or improved District facilities regarding electrical system and safety requirements.
- Assists in overseeing the work of others contracted to work on District facilities and components.
- Prepares reports as requested.
- Prepares and completes work orders using the District's Computerized Maintenance Management System (CMMS) documenting all inspection and maintenance activities.
- Initiates requisitions for tools, materials, equipment, and services.
- Assists in the implementation of the District's safety program.
- May be required to respond to emergency or abnormal facility situations outside of normal work shift.
- Performs other duties assigned.

REQUIRED KNOWLEDGE, SKILLS, AND ABILITIES

- Knowledge of District policies and procedures.
- Knowledge of methods and techniques of electrical systems troubleshooting, repair, maintenance, and installation.
- Knowledge of electrical systems, wiring, and how to safely work on them.
- Knowledge of the hazards and applicable safety rules and precautions in equipment operation and construction safety.
- Skill in the use and care of tools and mechanical equipment.
- Ability to interpret and work from blueprints and engineering sketches.
- Ability to detect needed maintenance, repairs, and operational adjustments in equipment.
- Ability to work independently.
- Ability to lead and train others in similar work.
- Ability to plan and direct the work of subordinates.
- Ability to understand and follow oral and written instructions in the English language.
- Ability to complete required OSHA and other safety training classes.
- Basic knowledge of software programs and applications including Microsoft Office products and web-based programs.
- Ability to work cooperatively and professionally with all other District employees, vendors, and the public.

WORK ENVIRONMENT AND PHYSICAL DEMANDS

- Most work is performed in a plant or field setting, frequently outdoors, with occasional work done in an office environment.
- Ability to work in a variety of weather conditions with exposure to the elements.
- Ability to work with raw sewage, chemicals and electrical systems using normal protective equipment.
- Ability to work in small, cramped spaces and comply with confined space entry procedures.
- Ability to lift and move heavy objects short distances (30 pounds unassisted and up to 100 pounds assisted).
- Ability to climb ladders to enter or exit manholes or vaults.
- Ability to use common hand tools and equipment for operation and maintenance tasks such as: hammers, power drills, screwdrivers, etc.
- Ability to wear protective equipment as required, such as a respirator, hard hats, safety-rated steel-toed boots, and retrieval harness.
- Sufficient body flexibility, mobility, stamina, and balance to perform operation and maintenance tasks which require moderate, though not constant physical effort, typically involving some combination of climbing, balancing, stooping, kneeling, crouching, crawling, climbing stairs and ladders, lifting, carrying, pushing and/or pulling of objects and materials of moderate to heavy weight, walking over uneven terrain.
- Visual and muscular dexterity to operate a motor vehicle, equipment, hand tools and computer.
- Sufficient clarity of hearing, with or without reasonable accommodation, which permits the employee to discern verbal instructions, communicate with other employees and the public, and discern warning or emergency alarms, including vehicle back-up warnings.
- Sufficient visual acuity, with or without reasonable accommodation, which permits the employee to comprehend written work instructions and work orders, technical and operational documents, discern color-coded equipment indicators, and move over rough or unfamiliar terrain.

- Sufficient manual dexterity, with or without reasonable accommodation, which permits the employee to operate a variety of power and hand tools to adjust or maintain equipment.

REQUIRED CREDENTIALS, EDUCATION AND WORK EXPERIENCE

- High school diploma or GED equivalent.
- 4 years' work experience as a journeyman electrician or apprentice.
- Other combinations of experience and education which provide the knowledge and skills required to perform the job may be considered.
- Preferred: 1 year experience as a wastewater collection system or treatment plant operator.
- Preferred: Wastewater Treatment and/or Collection System Operator(s) certification of any level from the Arizona Department of Environmental Quality.

ADDITIONAL REQUIREMENTS

- This is a safety sensitive position that must pass a post offer/pre-employment drug screening, background check and physical.
- This position is subject to random drug and alcohol testing throughout the period of employment in accordance with the District's Drug-Free Workplace Policy.
- This position requires the use of District vehicles for business. A valid, unrestricted driver's license with no major citations within the past 39 months prior to the start date is required.

EQUAL OPPORTUNITY EMPLOYER

FHSD is an equal opportunity employer. FHSD shall employ, without discrimination as to race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by federal, state, or local laws. Reasonable accommodations may be made to enable qualified individuals with disabilities to perform essential job functions.

DISCLAIMER

Some incumbents may not perform all the duties listed or may perform related duties as assigned. This job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the position change.