

# **CITY OF GARDEN GROVE**

## **SEWER PUMP STATION ELECTRICIAN**

CLASS CODE: 463 RANGE: U146

### **DEFINITION:**

Under general supervision, performs skilled electrical work in the operation, repair, and installation of various equipment and electronic instrumentation devices associated with wastewater collection systems.

### **EXAMPLES OF DUTIES:**

- Operates, maintains, troubleshoots, replaces and/or repairs sanitation facility control equipment including electrical, diesel, and natural gas motors, telemetering facility equipment, alarms, and SCADA computer programming
- Maintains electrical equipment in compliance with state, local, and federal regulations and consults with supervisor regarding repair or replacement as needed
- Ensures equipment is serviced in compliance with manufacturer warranties and service contracts
- Gathers data, makes field computations, and maintains records on equipment, time spent, and material usage in order to prepare reports
- Maintains and updates SCADA logs, files, and other documentation as required
- Troubleshoots sewer blockages and lift station problems
- Maintains equipment inventory and recommends purchase of materials
- Responds to emergency call outs from SCADA system
- Performs work related to the installation, operation, and repair of sewer collection systems and lift station equipment, including digging ditches and holes using proper equipment, erecting barricades, and measuring, cutting, and fitting pipe, when needed
- May coordinate and assign the work of a small crew performing maintenance and repair of pumps and related equipment
- Performs other related duties as assigned

**MINIMUM QUALIFICATIONS:**

**Experience:**

Three (3) years of experience in the operation, maintenance, and repair of water or sewer facilities, including programming of electronic supervisory control systems.

**Education:**

Graduation from an accredited High School or successful completion of the G.E.D. (General Educational Development) exam is required. Technical courses or certifications in industrial electricity, automated controls, SCADA or a related field are considered highly desirable.

***Knowledge of:***

Materials, methods, and equipment used in the operation, maintenance, and repair of electric and electronic sanitation facilities; state and local laws, guidelines, and regulations governing sewer facility operations; principles of hydraulics and pump operation; principles of electricity, electrical terms, methods, machinery, and equipment; telemetering equipment and chemical application systems; map, blueprint and diagram reading; safe and proper operation of equipment and basic power and manual hand tools; site cleaning procedures; proper procedures for handling emergencies; personal safety techniques; and customer service techniques.

***Ability to:***

Accurately diagnose and troubleshoot malfunctions of electrical systems and controls; safely operate motorized vehicles, equipment, and tools related to the trade; work both independently and as part of a team; oversee coworkers assigned to assist on projects; understand and carry out verbal and written instructions; operate devices and read a variety of gauges and meters; operate personal and handheld computers; perform basic arithmetical calculations using standard and metric conversions; communicate with the general public, contractors and co-workers in a courteous, effective, and professional manner; and commit to providing quality customer service.

**Other Requirements:**

Must possess a valid California class "B" driver license with tanker endorsement and an acceptable driving record. A California DMV driver record printout may be required as part of the application process.

Must possess a valid Collection System Maintenance Certification, Grade II or higher.

**PHYSICAL DEMANDS:**

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Incumbents in this classification walk, stand, climb, stoop, bend, lean, turn, twist, crouch, kneel, squat, push, pull, lift, reach above and below shoulder level, use fingers and hands repetitively, lift and carry up to 90 lbs., speak clearly, hear normal voice conversation, see small details and long distances, distinguish colors and shades, drive a vehicle, operate motorized equipment and work in confined areas wearing proper protective equipment.

**WORK ENVIRONMENT:**

The work environment described here is representative of those an employee encounters while performing the essential functions of this job. Incumbents in this classification work with others and independently and have direct contact with the public. Incumbents work outside, above and below ground, in dirt, in damp or wet areas, and in various weather conditions. Incumbents work around moving machinery, equipment and vehicles, electrical hazards, sharp objects, loud noises, gases and fumes, and work overtime, weekends, and/or 24 Hour On-Call shifts as needed.

**JOB FAMILY:**

Utility Worker, Sewer Maintenance Worker, Senior Sewer Maintenance Worker, Sewer Pump Station Electrician, Public Works Foreman, Public Works Supervisor, and Water Services Manager

CREATED: 12/20