

DOLORES WATER CONSERVANCY DISTRICT

JOB DESCRIPTION

JOB TITLE:	Industrial Electrician	DEPARTMENT:	Operation & Maintenance
FLSA STATUS:	Non-Exempt-Hourly	SUPERVISOR:	Lead Industrial Electrician
WAGE RANGE:	\$49,940.80 - \$69,908.80 annually \$24.01 - \$33.61 hourly (rev. 1/14/2021)		
DATE REVISED:	November 22, 2019		

JOB SUMMARY

This position is primarily responsible for installing, maintaining, troubleshooting and repairing electrical equipment and circuits in pumping plants, power plants and other project features along with operating, programming and maintaining controllers on the Supervisory Control and Data Acquisition, (SCADA) system. Performs maintenance, preventative maintenance and emergency repairs on all project electrical and electronic equipment by using various hand tools, precision instruments, etc. Starts and operates units when supervisory control center is out of operation.

MAJOR DUTIES

1. Installs, tests, repairs and maintains electrical and electronic equipment in project power and pumping plants and other project features such as generators, motors, power and instrument transformers, power circuit breakers, various switches, switchboards, programmable digital controllers, metering and control devices, and communication equipment.
2. Operates high voltage switches and related devices in implementing safe clearance procedures.
3. Interprets and works from electrical schematics, drawings, diagrams and codes; and proficiently uses tools and equipment of the trade.
4. Troubleshoots, repairs and maintains a variety of electronic equipment used in project communications, control processing and supervisory control systems.
5. Maintains maintenance records and reports. Takes daily plant output and performance readings as directed.
6. Operates power and pumping units in accordance with BOR and industry standard operating procedures in coordination with the control center in event of emergency or loss of communication with control center.
7. Performs inspection of electrical systems, equipment and devices during construction of project facilities.
8. Ability to program SCADA controller software (PLC) and assists with SCADA system operation.

9. Performs maintenance, troubleshooting and repair of various components of the SCADA system and communication system.
10. Other duties as assigned.

MINIMUM QUALIFICATIONS

1. Five years experience as a journeyman at a heavy industrial, manufacturing, pumping or generating plant with training and experience in the trades associated with the installation, testing, troubleshooting, repair and maintenance of both high and low voltage electrical plant equipment. This experience should include work on motors of at least 2,400 volt, 500 horsepower capacity along with associated control equipment, including programmable digital controllers.
2. Ability to do the work of an electrician with minimal supervision.
3. Demonstrated knowledge and experience with safety policies including clearance and lock-out procedures.
4. Knowledge of electrical theory, electrical and electronic equipment and ability to read and apply data from blueprints, schematics, manufactures data sheets, etc.
5. Demonstrated skill in troubleshooting and maintaining electrical and electronic equipment and demonstrated ability to use electrical and electronic test equipment and tools.
6. Knowledge of hydropower, pumping plant and water operations.
7. Must possess, or be able to obtain, a valid Colorado Driver's License and have a good driving record.
8. Ability to work over time; to be on call and respond to call backs for nights, weekends and holidays.

or

An equivalent combination of relevant education and/or specialized training and/or work experience.

WORKING CONDITIONS/PHYSICAL REQUIREMENTS

1. Ability to work with PPE in potentially hazardous environments subject to hazards that include a variety of physical conditions such as high voltage/electrical current, airborne fumes, odors, dusts, and poor ventilation.
2. Ability to work in conditions of extreme heat and humidity or conditions of extreme cold for several hours at a time.
3. Ability to work in confined spaces.
4. Ability to regularly lift up to and carry 50 pounds.

5. Ability to perform various physical activities in the performance of electrical duties including stooping, crouching, climbing, balancing, bending, carrying, pushing, and pulling; ability to finger and grasp; to pick, pinch, or otherwise work primarily with fingers as in handling, i.e., working with electrical wiring.

DISCLAIMER

The above statements are intended to describe the general nature and level of work being performed by people assigned to this position. They are not intended to be construed as an exhaustive list of all responsibilities, duties and skills required of personnel so classified.

REVIEW/APPROVALS

Department Manager

Date

General Manager

Date