

## Vacancy Announcement #17-134

Position: Industrial Electrician

Salary: Grade Level 27/0  
(\$38,106 Per Annum)

Program: OSRWSS Mni Wiconi Water

Location: Pierre/ Ft. Pierre, So. Dak.

Opening Date: November 6, 2017

Closing Date: November 20, 2017

### General Description of Duties:

The Industrial Electrician will be responsible for providing electrical and electronic expertise and support to the staff of the OSRWSS Mni Wiconi Core Water Treatment Plant and Coreline program.

Duties and responsibilities primarily involve providing on site assistance to staff in the repair and maintenance of electronics and electrical controls encountered within a treatment plant and distribution system. Applicant will be required to work directly for and under the supervision of the program manager by assisting staff with the operation and maintenance of electrical systems and service issues that may arise, this requirement may require working with the local Rural Electrical Cooperatives.

### Specific Duties:

1. Review electrical sections of plans and specifications of new and previously constructed facilities, inspection of contracted electrical work to ensure installation is completed as specified in contractual documents.
2. Provide general technical support to staff in the planning, procurement, setup and use of electrical equipment.
3. Install, repair and maintain electrical distribution systems, motors, variable frequency drives, motor control centers, programmable logic control systems and components, and other electrical equipment of a water treatment plant and booster stations.
4. Troubleshoot malfunction of electrical and pneumatic control components of motor control circuits and low (480 and below) voltage switchgear.
5. Install, maintain, calibrate, and repair a variety of electric and electronic measuring instruments, radio communications and equipment at the treatment plant and at remote pump station locations.
6. Maintain and repair Programmable Logic Controllers (PLC), flow meters, on-line water quality analyzers and controls to work with Supervisory control and Data Acquisition systems (SCADA), automated filter controls and associated equipment.
7. Repair, replace, and maintain recorders, transmitters, and transducers as necessary.

8. Advise superiors on equipment and instrumentation malfunctions and maintenance needs along with daily work project log;
9. Assist SCADA Support Group as necessary;
10. Requisition electrical equipment and supplies as required.
11. Perform emergency repair services as needed; Responds to emergencies overnights, weekends and holidays.
12. Maintain system electrical repair records; Attend staff and safety meetings;
13. Wear and properly uses safety equipment including personal protective equipment, fall protection equipment, self-contained breathing apparatus, and gas detection equipment.
14. Perform all work duties and activities in accordance with Tribal policies, procedures and safety practices; Attend work at the designated project/ work site promptly.
15. Support continuous process improvement initiatives;
16. Perform other job duties and related work as required.

### Requirements and Knowledge:

1. Work requires considerable physical exertion such as climbing ladders and steep stairs carrying test equipment that can weigh as much as 75 pounds, standing or crouching for long periods of time.
2. Job duties require extensive travel and outdoor work in temperature ranging from -20° to 110° F. The nature of the work requires it to be performed around electrical equipment and moving mechanical equipment.
3. Must have knowledge of electronics and electrical principles, mathematical formulas and equations, digital and analog circuit theory, time and frequency relationships.
4. Must have knowledge of control systems and data collection operations and the ability to interpret applicable schematics, wiring diagrams and symbolic charts.
5. Must obtain knowledge of troubleshooting techniques and repair methods for SCADA and electronic control systems that are used to control a water treatment plant process, system components and pumping stations.
6. Must have knowledge of equipment including solid state motor controllers, programmable logic controllers, transducers and instrumentation, communication equipment including buried cable, radios and modems, signal amplifiers, switching devices, signal interface, data converters, central processing units, memory and associated peripherals and electrical systems protective devices, fiber optic equipment and related test equipment.
7. Must have skills in the operation of a wide range of electronics test equipment.
8. Must have knowledge of procurement procedures and commercial sources in order to locate and properly describe by requisition the necessary components to maintain a spare parts inventory.

9. Must have knowledge of equipment found at a water treatment plant, booster stations, pumping plants. This equipment includes motors, wiring, motor control panels, ventilating equipment, metering pumps, lighting and process analyzers.
10. Must possess a high level of mechanical ability.
11. Must have a thorough knowledge of applicable safety procedures and standards.
12. Must have the ability to learn and operate a variety of computer software programs related to electronics and electrical maintenance activities.
13. Must be able to communicate with a wide variety of people from various disciplines to assist with the implementation of operations and maintenance programs.
14. Must respond to changing priorities by adjusting personal schedules.
15. Must be able to complete complicated assignments with minimal supervision.
16. Must comply with all Tribal regulations concerning employment.

### Qualifications:

1. Must have a High School Diploma or GED.
2. A minimum of ten years' experience as an industrial electrician with experience in electrical control systems.
3. Must possess and maintain a current valid Journeyman license issued by the State of South Dakota.
4. Possession of a valid State of South Dakota Driver's License.

### How to Apply:

Submit a complete OST Application for Employment to the OST Human Resource Department no later than 4:30 p.m. of the closing date. Mail in applications postmarked on the closing date will be accepted. Attach all pertinent documentation, i.e., copy of High School diploma or GED certificate, copy of official college transcripts and/or college degree, certificate of Indian Blood if claiming Indian Preference and DD214 if claiming Veteran's Preference. **(INCOMPLETE APPLICATIONS WILL NOT BE CONSIDERED)**

### Notice:

"Applicants tentatively selected for positions with the Oglala Sioux Tribe will be required to submit to screen for illegal drug use prior to appointment. Appointment to the positions will be contingent upon a negative drug test result."

**In accordance with OST Ordinance 90-12 and 91-01, record checks will be done on those individuals applying for positions requiring working with children.**