



**Job Title:** Senior Technologist, Instrumentation & Electrical Systems  
**Organizational Unit:** Instrumentation & Electrical Systems  
**Division:** Operations & Engineering  
**Location:** Regina, Saskatchewan  
**Pay Grade 10:** \$35.29 to \$44.12 per hour

### **Short Description**

As the Senior Technologist, Instrumentation & Electrical Systems, you will undertake the servicing of the electrical and instrumentation operation and maintenance components of district water and wastewater systems. These systems include a diverse complement of treatment plants, pumping stations, distribution pipelines and other related works that vary in size, complexity, technology and operation. You will, at times, be required to work standby.

### **Job Duties**

Monitors the performance and performs repair of industrial electrical, electronic, digital and analog controls for pressure, flow, vibration, SCADA, communications, data logging and temperature equipment used in district water and wastewater systems to ensure operations are within established corporate and industry standards. Calibrates, adjusts and recommends corrective work and installs new components as required. As directed, coordinates projects and oversees the maintenance and repair of electrical and industrial controls and equipment with contractors, consultants, operators and others. Monitors the performance of cathodic protection systems and adjusts and recommends corrective work and the installation of new components as required. Creates new and modifies existing PLC and HMI programs to optimize and enhance control systems to improve efficiency in the control system. Installs and commissions SCADA equipment in conjunction with TransGas. Programs and troubleshoots variable frequency drives. Works with other Senior Technologists and Operations staff, sharing knowledge and information.

Performs relevant technical calculations in both the field and office; prepares the applicable reports, technical documentation and drawings; and prepares annual operation and maintenance reports.

Provides senior technical advice and support to ensure the optimal performance, safety and reliability of electrical and industrial controls and equipment used in water and wastewater systems; recommends and implements various cost saving measures; and reviews electrical designs of proposed modifications to existing water and wastewater systems, identifies problems and recommends changes as required.

Provides quality control/quality acceptance on new and upgraded projects; trains district staff on technological change on various equipment and operating systems; and undertakes other related work as assigned.

### **Qualifications**

To qualify, you will have an Instrumentation Engineering Technology or Electrical/ Electronics Engineering Technology Diploma and/or Journeyperson status with related controls experience; certification with Saskatchewan Applied Science Technologists and Technicians (SASTT) as an Applied

Science Technologist (A.Sc.T.); and six years of progressively responsible experience in the following areas:

- Thorough knowledge and understanding of controls, VFD and PLCs.
- Thorough knowledge of design, installation, operation, manufacturing and maintenance of electrical and industrial control equipment and power, mechanical and HVAC systems used in water and wastewater systems; and knowledge of regional system operation and maintenance procedures including pipeline, pump, control valve, VFD, HMI and PLC systems experience including fluids, pressures, etc., and associated reaction of fluids under different circumstances; must have knowledge of Occupational Health and Safety with regards to industry standards; knowledge of process systems and on site project management is desired.
- Working knowledge and experience in Ethernet.
- Demonstrated experience in PLC to PLC Communications.
- Ability to write letters, reports and inspection reports; and oversee contractors and tradespersons hired to undertake maintenance work.
- Ability to develop and prepare written procedures and operations manuals.
- Ability to establish and maintain effective working relationships with staff, external customers and service suppliers; and to promote and maintain a positive corporate climate.
- Strong computer skills with a working knowledge in the use of Microsoft Word and Excel.

***Special Requirements:*** *The position requires the incumbent to undergo a Criminal Record Check and Drug and Alcohol Test.*

A valid Saskatchewan driver's license is required.

## **Application Deadline**

**November 12, 2020**

## **To Apply**

Please indicate where you learned of this opportunity and send a resume and cover letter to:

SaskWater  
Human Resources  
200 - 111 Fairford Street East  
Moose Jaw, Saskatchewan S6H 1C8  
Email: [hr@saskwater.com](mailto:hr@saskwater.com)

SaskWater offers competitive wages and an attractive benefits package. We would like to thank all applicants for their interest; however, only those selected for an interview will be contacted.

*SaskWater values workplace diversity and is committed to maintaining an inclusive and respectful workplace.*

