

Union:	CUPE 1287	Closing Date:	Thu., Mar. 22, 2018
Business Unit:	Public Works	Division:	Water & Wastewater
Location:	Welland, Ontario	Standard Hours:	40.00 / week
Full/Part Time:	Full-Time	Regular/Temporary:	Regular
Salary Grade:	15	Salary Range:	\$ 32.96 - \$ 35.06

Summary

Under the direction of the Manager W&WW SCADA (Supervisory Control and Data Acquisition), the SCADA Technician is responsible for the development, troubleshooting and maintenance of the SCADA Systems within the Water and Wastewater Section.

Provide project review and coordination; supervise implementation and quality control of projects as it relates to SCADA. Inspect and audit workmanship, materials and procedures throughout a project lifecycle to ensure that process automation programming logic and control system specifications are met and in compliance with SCADA system standards. Review and comment on projects, both capital and internal, by addressing concerns and potential problems or conflicts resulting from contract drawings, specifications, plant and/or field conditions.

Install, implement, test, maintain and improve SCADA systems (hardware and software), distributed process control Programmable Logic Controllers (PLC), and instrumentation at plants and associated remote sites. Maintain a liaison with the public, contractors, suppliers, engineering consultants, utilities, local municipalities, Regional staff, other government and inspection agencies, and acts on their concerns.

Education

- Graduate of a three year diploma in Electrical Engineering Technology, Controls Systems and/or Automation Technology or Computer/Network Engineering Technology preferably with a specialty in Control Systems, or equivalent combination of education, training and experience, plus
- Must either;
 - Certified or eligible for certification with the Ontario Association of Certified Engineering Technician and Technologists (OACETT) as a Certified Engineering Technologist (CET), OR,
 - Possess and maintain a Certificate of Qualification under the Apprenticeship and Trades Qualifications Act as a Certified Industrial Electrician (442A)
- Must successfully obtain MOECC Operator-in-Training licenses/certification in Wastewater Treatment (WWT), Wastewater Collection, Water Treatment (WT) and Water Distribution within three (3) months of commencing employment and must pass MOECC Class I WT or WWT Operators License exam within 18 months
- Additional specialized training and education in Allen Bradley PLCs, , GE iFix/iHistorian, Proficy Machine Edition, , Local and Wide Area Networks, Windows XP/7/10, Windows Server 2008/2012, Microsoft Office Professional (Word, Excel, Access, Power Point), , Information/Data Management and Reporting Systems, Quantitative and Qualitative Environmental Monitoring Technologies, Instrumentation Calibration, Troubleshooting and Verification Techniques.

Knowledge

- Three to five years in Water/Wastewater SCADA and Control Systems or a similar work environment.
- Experience with industrial PLC Controls, Programming and Networking.
- Instrumentation maintenance, troubleshooting, calibration Controls Automation and Process Control Design experience is required
- Must possess knowledge of operations and maintenance of plants and distribution systems.
- Must possess a sound working knowledge of computer systems and programming, networks (LAN & WAN), PLCs, process automation techniques, electronics, mathematics, hydrology, chemistry, contract drawings and specifications, and environmental and electrical engineering principles.
- Must be knowledgeable of best available technologies in control system automation hardware and software.
- Must be knowledgeable of the Ontario Drinking Water Objectives and MOECC Certificates of Approval or Environmental Compliance Approval.
- Must have working knowledge of Occupational Health & Safety Act and Regional Niagara's Health and Safety Policies and Procedures.
- Experience working with Computerized Maintenance Management Systems (CMMS) considered an asset

Skills

- Must be able to program a variety of PLC, RTUs and Operator Interface Terminals
- Demonstrated knowledge of:
 - Industrial Networking
 - Redundant SCADA Systems
 - SCADA Historians
- Must possess training in WHMIS, Confined Space Entry, CPR, First Aid and Electrical Safety.

Special Requirements

- Must work without direct supervision.
- Must be able to supervise and train staff or others.
- In accordance with the Corporate Criminal Record Check Policy, the position requires the incumbent to undergo a Criminal Records Check and submit a Canadian Police Clearance Certificate.
- It is the employee's responsibility to possess and maintain a valid and restriction-free driver's license of appropriate class to carry out the duties of the job.
- Must comply with all aspects of the Regional Respiratory Program Policy.
- Respiratory Fit Test mandatory.

Closing Statement

Uncover the wonder of the Niagara Region and join a team dedicated to meeting tomorrow's challenges TODAY!
Let us know why you would be an excellent team member by submitting your online application to [Job Opening # 19923](#) by **Thursday, March 22, 2018**.

We thank all candidates for their interest however, only those candidates selected for an interview will be contacted.

www.niagararegion.ca
