

Non Union

Job Title:	SCADA Technician		
Job Opening Id:	34107	# Required:	1
Business Unit:	Public Works	Division:	Water & Wastewater
Location:	Integrated Systems	Standard Hours:	40.00 / week
Full/Part Time:	Full-Time	Regular/Temporary:	Regular
Salary Grade:	15	Salary Range:	\$ 35.94 - \$ 38.23
Post Date:	2022-11-30	Close Date:	2022-12-13

Serving a diverse urban and rural population of more than 430,000, Niagara Region is focused on building a strong and prosperous Niagara. Working collaboratively with 12 local area municipalities and numerous community partners, the Region delivers a range of high quality programs and services to support and advance the well-being of individuals, families and communities within its boundaries. Nestled between the great lakes of Erie and Ontario, the Niagara peninsula features some of Canada's most fertile agricultural land, the majesty of Niagara Falls and communities that are rich in both history and recreational and cultural opportunities. Niagara boasts dynamic modern cities, Canada's most developed wine industry, a temperate climate, extraordinary theatre, and some of Ontario's most breathtaking countryside. An international destination with easy access to its binational U.S. neighbour New York State, Niagara attracts over 14 million visitors annually, as well as a steady stream of new residents and businesses.

Please note that the Niagara Region requires that all newly hired employees are to be fully vaccinated against COVID-19 as a condition of being hired and provide proof of full vaccination, or provide proof of a bona fide medical or Human Rights Code exemption on a form issued from and approved by Niagara Region.

JOB SUMMARY

Under the direction of the Manager W&WW SCADA (Supervisory Control and Data Acquisition), the SCADA Technician is responsible for the design, development, installation, commissioning and maintenance of Water & Wastewater and Waste Management SCADA systems. SCADA allows Operations to monitor, operate and control all the Region's processes within the Water Distribution, Water Treatment, Wastewater Collection, Wastewater Treatment and Waste Management Leachate systems. 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 (capital and operational), 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.

QUALIFICATIONS

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 be certified or eligible for certification with the Ontario Association of Certified Engineering Technician and Technologists (OACETT) as a Certified Engineering Technologist (CET)

OR

Must possess and maintain a Certificate of Qualification under the Apprenticeship and Trades Qualifications Act as a Certified Industrial Electrician (309A/442A) and a graduate of a two-year diploma in Electrical Engineering Technology, Electronic Engineering Technology, plus
Must be certified or eligible for certification with the Ontario Association of Certified Engineering Technicians and Technologists (OACETT) as a Certified Engineering Technician (C.Tech).
Must successfully obtain MECP Operator-in-Training certification in Water Treatment and Water Distribution within three (3) months of commencing employment, pass Class I Water Treatment exam within 18 months and obtain Class 1 Water Treatment certification within 60 months. Alternatively, incumbents may elect to pursue a Water Quality Analyst certification, within 18 months of commencing employment, in lieu of obtaining their Class 1 Water Treatment certification.
Additional specialized training and education in Allen Bradley PLCs, GE iFix/iHistorian, Proficy Machine Edition, Local and Wide Area Networks, Windows 10, Windows Server 2019, Microsoft Office Professional (Word, Excel, Access, Power Point), Information/Data Management and Reporting Systems, Quantitative and Qualitative Environmental Monitoring Technologies, and knowledge of Instrumentation, Troubleshooting and Verification Techniques.

KNOWLEDGE/EXPERIENCE

Three to five years in Water/Wastewater SCADA and Control Systems or a similar work environment.
Experience with industrial PLC Controls, Programming and Networking.
Controls Automation, Process Control Design and Instrumentation maintenance, troubleshooting, 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, PLC programming and Process Control System Design.
Must possess training in WHMIS, Confined Space Entry/Rescue, CPR, First Aid and Electrical Safety.

SPECIAL CONDITIONS

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.
Regional staff strive to enable the strategic priorities of council and the organization through the completion of their work. Staff carry out their work by demonstrating the corporate values.

To view the full job description and requirements, visit our Careers page - Job Opening #34107

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 **no later than December 13th, 2022** before midnight by visiting our 'Careers' page at www.niagararegion.ca. We thank all candidates for their interest however, only those candidates selected for an interview will be contacted.