



Region of Waterloo

Instrumentation & Control Technician (Water)

Temporary, full-time position (approximately 15 months)

If your knowledge of the repair, maintenance and operations of state-of-the-art water treatment, process and motor control and distribution systems is backed by instrumentation, control and electrical systems experience, seize this opportunity with the **Region of Waterloo** to apply and hone your technical skills.

As an **Instrumentation & Control Technician (Water)**, you'll act as a certified operator for the Region of Waterloo, in accordance with Ontario Regulation 128/04, performing operational, maintenance and emergency response work on the Region's water treatment, water distribution and systems equipment. This highly skilled and responsible position will also involve operating, repairing, modifying, retrofitting and installing related equipment.

KNOWLEDGE, SKILLS & ABILITIES REQUIRED

To assume the role of **Instrumentation & Control Technician (Water)**, you will have the following profile:

- Comprehensive knowledge of repair, maintenance, and operations of state-of-the-art water treatment, process and motor control and distribution systems, plus an ability to read and interpret technical drawings and bulletins, instrumentation and control drawings, programming language, operation and maintenance manuals in order to dismantle, measure, repair, and calibrate instrumentation/process/control equipment, including precision measuring tools, normally acquired through a 3-year community college diploma in Instrumentation, Electrical Control Systems, or equivalent, plus 4 years of directly related instrumentation, control, and electrical systems experience.
 - Possession of current Class II Water Distribution Certificate and Class II Water Treatment Certificate from the Ministry of the Environment, Conservation and Parks (MECP), or ability to obtain certification within 3 years.
 - Possession of a Certificate of Qualification as an Industrial Instrument Mechanic, or ability to obtain qualification within 5 years.
 - Basic knowledge in Emergency First Aid, plus extensive comprehension of chemical systems, including Anhydrous Ammonia, Gas Chlorination, Ozone, Confined Spaces, Occupational Health & Safety Act (OH&SA) and related safety procedures, Ontario Electrical Safety Code, Electrical Safety Authority (ESA), Electrical Utility Safety Association, corporate safety rules, and the Safe Drinking Water Act (SDWA) and O. Regs. 165/04 and 128/04.
 - Analytical, problem-solving, and decision-making skills to assist in the resolution of process, control, and network communication issues related to the automated control system.
 - Strong organizational skills related to proper sequencing procedures for system shutdowns/start-ups, notification to other operation groups and, if required, material ordering, performance of safety measures, and monitoring completed work to ensure compliant results with any changes that were completed.
 - Computer skills using software such as a Computerized Maintenance Management System; TelePACE Studio; MS Office; Operator-interface-terminal software; RPU Controller/PLC software; and Proportional Integral Derivative Controllers.
 - Ability to create and implement computerized programs for remote sites; use electrical test equipment; and research, diagnose, and replace faulty instrument equipment.
 - Communication and interpersonal skills to coordinate activities with other staff; provide information to internal and external personnel regarding process or operating strategies; and participate as an effective team member.
 - A valid Class "G" driver's licence (or G2 with 3 years of driving experience) and a satisfactory driving record to operate a Regional vehicle.
-

- Ability to read technical articles and manuals to maintain current knowledge in the field; and read and develop Instrumentation & Control, PIDs, and Motor Control drawings.
- Ability to prepare test results and activity reports, and computerized work orders; complete electronic time sheets, ESA logs, and summaries and inspection documentation for new plant acceptance; edit programs for RPU Controller/PLC software; and write activity lists for CMMS, e-mail and memos.
- Ability to provide instructions to Systems staff; discuss requirements with dealers or parts suppliers; or obtain information from a variety of sources to perform diagnoses.
- Ability to support and project values compatible with the organization.

Serving, engaging and inspiring current and future generations

Committed to fostering opportunities for current and future generations, the **Region of Waterloo** is an inclusive, thriving and sustainable region of connected rural and urban communities with global reach. Our mission is to serve, engage and inspire, by delivering quality services to a diverse population of 560,000+, while creating a healthy, collaborative environment of learning, respect and innovation. This is a place where employees are valued and recognized for their talents and contributions to our success.

In addition to offering a competitive compensation package, we have a strong focus on health and wellness, including fitness facilities and family-focused benefits.

Please visit our website, at www.regionofwaterloo.ca, for a detailed description of this Instrumentation & Control Technician (Water) position (**competition number 2020-1118**), and to apply online before **11:59 p.m., Tuesday, March 17, 2020**.

We are committed to diversity and inclusion, and thank all applicants in advance; however, we will be corresponding only with those selected for an interview. We will accommodate the needs of qualified applicants under the Human Rights Code in all parts of the hiring process.
