

Job Title: Field Instrumentation Technician (Water Services)

Job Number:1595

Job Type: Full-Time

Location: 2069 Ottawa St S - Mannheim Water Treatment Plant

Number of Positions: 1

Department: Systems A (Water Operations and Maintenance)

Division: Engineering and Environmental Services

Hours of Work: 40 hours per week. Monday - Friday 8:00 AM - 4:00 PM

Union: CUPE 1656

Grade: CUPE 1656 Grade 007

Salary Range: \$34.64-\$36.46 per hour

****Note:** As per the collective agreement, probationary employees will receive 5% less than the regular permanent rate of the classification they are employed in, until the completion of four (4) months continuous service or eighty (80) actual days worked, whichever is the greater. They will then commence receiving the regular permanent rate.

About Us!

The Region of Waterloo is a thriving, diverse community committed to fostering opportunities for current and future generations. Home to over 674,000 residents and expected to grow to nearly one million by 2051. Guided by our [2023-2027 Strategic Plan](#), "Growing with Care," we focus on equity, inclusion, and sustainability. Our mission is to provide essential services that enhance the quality of life for all residents, while our core values emphasize caring for people and the land we share. Join us and be part of a team dedicated to making a meaningful difference in our community.

Dish with One Spoon Wampum:

Waterloo Region is part of the Dish with One Spoon wampum, a treaty guiding our commitment to:

- Recognizing our shared humanity and land
- Taking only what we need
- Leaving some for others
- Keeping the dish clean

This agreement underpins our vision, mission, and core values, and reinforces our dedication to meaningful reconciliation and equity.

The Role

Acts as certified operator per Ontario Regulation 128/04. Travels assigned route(s) to monitor, troubleshoot, repair, and install instrumentation equipment for water treatment and distribution systems, within scope of the job.

Duties/Responsibilities

- Travels assigned route(s) to check, verify and perform calibrations on equipment (Chlorine, Turbidity, UV and UVT); verify security operations; and replace components within scope of the job, as needed. Performs chlorine shut down testing. Opens and closes valves.
- Provides recommendations based on field observations for preventive maintenance and testing programs, and equipment selection to supervisor and/or lead hand.
- Maintains records of work performed in log books and work order system. Records test results.
- Provides comments on drawings where there is a discrepancy with actual field conditions to supervisor and/or lead hand.
- Responds to urgent issues on assigned route or when called to another site to troubleshoot and identify the nature of the problem. Fixes issues within scope of the job, and refers issues outside of scope to supervisor and/or lead hand. Assists with repairs as required.
- Collaborates with co-workers in the field.
- Receives and stores specifications and information from manufacturers. Meets with ESA for electrical inspections as needed as it relates to installations.
- Maintains tools and equipment in good, safe working condition and reports breakage/malfunction to supervisor and/or lead hand. Tags failed/unsafe items for repair/disposal.

- Holds a p-card and maintains stock of materials, parts, and equipment for own work.
- Performs related duties as assigned.

Knowledge, Skills, and Abilities

- Knowledge of the repair, maintenance, and operation of water treatment, instrumentation, process, motor control and distribution systems, with ability to read and interpret drawings, bulletins, instrumentation, and manuals.
- Knowledge acquired through a related 3-year college diploma, or a 2-year diploma and a year of related experience.
- Must hold current Class II Water Distribution Certificate and Class II Water Treatment Certificate or attain within a reasonable time post-hire as determined by management.
- Must hold current emergency first aid certification (or attain post-hire).
- Knowledge of and ability to comply with policies, procedures, legislation, and regulations (e.g., safe drinking water, health and safety).
- Understanding of electrical and chemical systems (e.g., gas chlorination, ozone) and ability to comply with related safety and codes and procedures.
- Analytical, problem solving, and decision-making skills to troubleshoot and assist in resolving issues; research and recommend equipment; order materials; and communicate with others to ensure seamless operations.
- Computer skills with ability to use software such as Microsoft Office and a computerized maintenance management work order system.
- Skill using electrical test equipment.
- Communication skills to collaborate with co-workers and management; provide information to stakeholders to support process and operating strategies; discuss requirements with suppliers; obtain information to perform diagnoses; and participate as an effective team member.
- Ability to read technical articles, schematics, and drawings. Ability to prepare test results, activity reports, work orders, timesheets, logs, summaries, and inspection documentation.
- Must hold a valid G driver's license (or G2 with 3 years of driving experience) and satisfactory driving record to operate corporate vehicles.
- Ability to support and demonstrate the Region's values.

Additional Knowledge, Skills, and Abilities

Internal 1656 applicants are required to submit a document with their name on it (or an optional resume). 1656 staff are encouraged to internally apply with an updated resume, especially for those job opportunities that are a promotional opportunity, so that their qualifications are appropriately captured during the screening phase.

The Region of Waterloo is an equal opportunity employer committed to an inclusive, barrier-free recruitment and selection process. The Region of Waterloo invites applications from all qualified individuals. We are strongly committed to employment equity, diversity and inclusion in the workplace and encourage applications from Black, racialized/visible minorities, Indigenous/Aboriginal people, women, persons with disabilities, and 2SLGBTQIA+ persons.

The Region of Waterloo is committed to providing accommodations throughout the recruitment process. If you require an accommodation, please notify us and we will work with you to meet your needs. Alternate formats of this document are available upon request. Please contact the Service First Contact Centre at phone number (519) 575-4400, TTY number (519-575-4608) to request an alternate format.

Please note: candidates will be provided an update on their application. Please check your spam or junk folder occasionally as some candidates have noticed our emails in those folders (Gmail and Hotmail in particular).