

## Licensed Industrial Electrician - Water

When you join the City of Guelph, you join a team of 2000 full and part-time employees who deliver services the community relies on every day. Together, we are bringing to life Guelph's vision of an inclusive, connected, and prosperous city where we look after each other and our environment.

As a regional top employer, the City of Guelph values its employees and offers competitive salaries, excellent benefit packages, opportunities for professional development, a healthy work-life balance, and many roles with flexible work options. Our corporate values are integrity, service, inclusion, wellness, and learning. Guelph is consistently ranked as one of the best places in Canada to live, work, and play—all good reasons to consider a career in this beautiful city.

### The Opportunity

Resumes are being accepted for the position of Licensed Industrial Electrician - Water within the Water Services Division. Guided by the goals and objectives of the City of Guelph Corporate Strategic Plan and committed to the Corporate Values of integrity, service, inclusion, wellness and learning, the candidate will aid in the achievement of the Community Vision for an inclusive, connected, prosperous city.

### Your role

- Maintains water treatment facilities, pumps, motors, valves, chemical feed equipment, process piping, storage facilities, monitoring instruments, generators and diesel engines.
- Ensures safe drinking water is provided to the public through compliance with MECP regulations, the Safe Drinking Water Act and standard operating procedures.
- Inspects, maintains water treatment equipment by taking meter readings, adding chemicals, adjusting flow and chemical feed rates, keeping written records and inspecting and repairing equipment.
- Assist in facility maintenance, keeping water treatment sites in good order – including floor sweeping, cleaning equipment and piping, washroom cleaning etc.
- Monitors equipment performance by monitoring flow, pressure levels, and vibration temperature, equipment-operating times and other process variables.
- Maintains chemical delivery system and maintains chemical storage facilities and delivery vehicles.
- Co-ordinates and oversees the work of contractors and external trades, as required.
- Performs process calculations and interprets results for appropriate process control adjustments.
- Utilize SCADA and facilities data management systems, monitor process trends to determine root causes and troubleshoot issues.
- Monitor unit process performance and system performance to assure Municipal Drinking Water License (MDWL) compliance.

- Maintains a good working relationship with all colleagues, customers and contractors through collaboration, communication and application of conflict resolution skills.
- Assist with preparing and updating standard operating procedures when needed.
- Performs data entry, both written and computer entry.
- Plan, schedule, and implement work activities for electrical systems and associated maintenance programs.
- Ensures instrumentation equipment remains calibrated and in good working order according to scheduled timelines and MECP regulatory compliance requirements.
- Install, repair, and maintain emergency generators and switchgears, un-interruptible power supply and conditioners, motor starter and controllers, and variable speed drives.
- Installs and programs Variable Frequency Drive applications, able to wire and troubleshoot Programmable Logic Controllers and other microprocessor based controllers including Remote Telemetry Units (RTU) and telemetry for Supervisory Control and Data Acquisition (SCADA).
- Analyses by troubleshooting all types of process instruments and related equipment making recommendations on a course of action for the repair or replacement of equipment.
- Installs electrical for pumping stations, wells, and reservoirs in accordance with national codes and standards.
- Assists in establishing goals and performance standards for work activities, including ensuring all work complies with Safety Standards and all applicable codes and acts as Maintenance Lead Hand when required.
- Determines appropriate equipment and materials to complete work according to specifications, verbal instructions, or established standard operating procedures (SOP) and Operation and Maintenance Manuals (O&M).
- Interprets and uses engineering drawings, blueprints, schematics, and other applicable specifications in the installation and maintenance of electrical, lighting, and electronic systems.
- Inspects, monitors, and verifies electrical work performed by contractors and vendors and instructs others on the use of equipment to ensure it conforms to City standards and industry best practices.
- Operates a variety of hand power tools, electrical and electronic testing, metering, and measuring devices and equipment.
- Performs other duties as assigned.

## Qualifications

- Experience related to the duties listed above, normally acquired through the completion of a Grade 12 Diploma and 5 years' experience as an electrician in a water/wastewater or industrial environment. An equivalent combination of education and experience may be considered.
- An Industrial Electrician (442A) or Construction and Maintenance Electrician (309A) Electrical License.
- Must be in possession of a Water Treatment OIT Certificate or obtain same within 2 months of hire, must pass Class 1 Water Treatment certification exam within 12 months of hire, and obtain Water Treatment Class 1 Certificate within 26 months of hire.
- A valid Class G drivers licence with a good driving record. Successful candidates will be required to provide a current driver's abstract prior to their start date to confirm their license is held in good standing and that it has not been suspended or revoked under the Highway Traffic Act (HTA) or Criminal Code of Canada in the last 5 years. The City of Guelph will take into consideration the number of demerit points and/or nature of the infractions to determine if it meets our requirements. Knowledge of water treatment operations and MECP regulations.

- Knowledge of the repair, maintenance and operation of water treatment and chemical feed system equipment including the ability to read and understand technical drawings and repair manuals.
- A good understanding of the Occupational Health and Safety Act and WHMIS.
- Knowledge of water supply preventative maintenance programs.
- Excellent interpersonal skills with the ability to work in a team environment.
- Intermediate skills in Microsoft Office (Outlook, Word and Excel).
- Ability to record and keep accurate records.
- Knowledge and ability to work with small hand tools, piping, tubing, pumps, analyzers and transmitters.
- Familiarity working with chlorine (sodium hypochlorite 12%).
- Excellent written and verbal communications skills with the ability to communicate with all levels of staff, contractors, stakeholders and the general public.
- Ability to analyse and troubleshoot problems effectively in a process environment.
- Ability to understand equipment manufacturers' schematic drawings to check equipment installation and repairs.
- Ability to set priorities.
- Excellent customer services skills.
- Ability to work in physically demanding conditions including regularly lifting objects up to 25kg, climbing ladders, entering pits, working in confined spaces and climbing water towers.
- Experience with Supervisory Control and Data Acquisition Systems (SCADA) and Computerized Maintenance Management Systems is an asset.

## Rate

36.44

## How to apply

Qualified applicants are invited to apply using our **online** application system by **Monday, August 28, 2023**. Please note all applicants must complete the online questionnaire specific to this position at the time they submit their resume and cover letter in order to be considered. Proof of qualifications will be requested at the interview stage.

Please visit the job posting listed on our careers page and click on the "Apply for this job" button. Instructions will follow.

The City of Guelph is an equal opportunity employer that values diversity in the workplace. We are therefore happy to accommodate any individual needs in keeping with the Ontario Human Rights Code and the Accessibility for Ontarians with Disabilities Act. If you require an accommodation in order to participate in the hiring process, please contact us to make your needs known in advance.

Personal information collected through the recruitment process will be used solely to determine eligibility for employment. We thank all candidates in advance; however, only those being considered for an interview will be contacted.