

Licensed Electrician and Wastewater Operator

The City of Guelph is a vibrant community with over 120,000 people located in the heart of Southern Ontario, just one hours driving distance from Toronto. Set in a picturesque natural setting, Guelph is known for its rich architectural heritage, growing economy and excellent quality of life - all good reasons to consider a career in this beautiful city.

Job summary

Resumes are being accepted for the position of Licensed Electrician and Wastewater Operator in the Wastewater Services Division. Reporting to the Maintenance Supervisor, the successful candidate will use their background as an Electrician to perform repairs and maintenance at the Wastewater Treatment Plant and Sewage Pumping Stations. Guided by the goals and objectives of the City of Guelph 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 – an inclusive, connected, prosperous city where we look after each other and our environment.

Duties

- Maintain and when necessary operate wastewater facilities and related equipment.
- Plan, schedule, communicate and implement work activities for electrical systems and associated maintenance programs.
- Monitors equipment performance by monitoring flow, pressure levels, amperage, vibration, temperature, equipment-operating times and other process variables. Ensures instrumentation equipment remains calibrated and in good working order according to scheduled timelines and 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 the Wastewater Treatment Plant, Pumping Stations and associated assets in accordance with national codes and standards.
- Participates in wastewater treatment and collection monitoring and testing programs.
- Record Operator log entries and data both written and computer entries as appropriate.
- Act as an Operator-In-Charge at all times once Class I Wastewater Treatment license is obtained, responsible for making appropriate operational decisions in compliance with regulations.
- 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.
- Assist with preparing and updating standard operating procedures when needed.
- 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.
- Ensures compliance with Wastewater regulations and requirements including but not limited to Guelph Wastewater ECAs, Ontario Water Resources Act, Canada Fisheries Act and standard operating procedures.
- Operates a variety of hand power tools, electrical and electronic testing, metering, and measuring devices and equipment.
- Maintains a good working relationship with all colleagues, customers and contractors through collaboration, communication and application of conflict resolution skills.
- Supports capital projects, assists with project implementation, start-up and commissioning of equipment.
- Utilizes a computerized maintenance management system (CMMS) to record all work performed, resource tracking, source equipment parts, equipment history, as well as modify and update work status.
- Assist in operational facility maintenance, keeping wastewater sites in good order – including floor sweeping, cleaning equipment and piping, washroom cleaning etc.
- Assist Maintenance team with maintenance tasks as needed and appropriate.
- Perform other duties as assigned.

Qualifications

- Experience related to the duties listed above, normally acquired through 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 Wastewater Treatment and Collection OIT Licenses or obtain same within 3 months of hire, must pass Class I Wastewater Treatment and Collection licensing exams within 12 months of hire, and obtain Wastewater Treatment Class I License within 24 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.
- Intermediate skills in Microsoft Office (Word & Excel).
- Excellent interpersonal skills with the ability to work in a team environment.
- Ability to record and keep accurate records.
- Excellent written and verbal communications skills with the ability to communicate with all levels of staff, contractors, stakeholders and the general public.
- Ability to understand equipment manufacturers' schematic drawings to check equipment installation and repairs.
- Ability to analyse and troubleshoot problems effectively in a process environment, including the use of thermal imaging cameras.
- Knowledge of gas sensors, analysers and their calibration.
- Ability to set priorities.

- Experience with Supervisory Control and Data Acquisition Systems (SCADA) and Computerized Maintenance Management Systems is an asset.
- Ability to work in physically demanding conditions including regularly lifting objects up to 25kg, climbing ladders, working on elevated platforms, entering pits, and working in confined spaces.
- A good understanding of the Occupational Health and Safety Act and other applicable legislation and specifications.
- Excellent customer service skills.
- Experienced working in a wastewater treatment facility and knowledge of MOECC regulations would be an asset.
- Knowledge of hydraulics, pneumatics, building HVAC systems would be an asset.
- An Operator in Training (OIT) license for Wastewater Treatment and/or Wastewater Collection would be an asset.

Rate

\$34.51 per hour

How to apply

Qualified applicants are invited to apply using our **online** application system by **Thursday, October 1, 2020**. 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 which 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.