

Job Title: Systems Performance Specialist

At Halton Region, we treat everyone with respect, honesty, fairness and trust. As an equal opportunity employer, we are committed to establishing a qualified workforce that is reflective of the diverse population we serve. Halton Region is committed to providing accommodation to individuals with disabilities throughout the recruitment process.

If you are looking for a role where you can lead a team towards the delivery of municipal infrastructure projects for the residents of Halton, we want to hear from you. Over the next 10 years, the Region will be investing over \$5 billion in transportation, water and wastewater infrastructure. We are committed to delivering high quality infrastructure for the residents, businesses and visitors to Halton Region, and are looking for dedicated, forward thinking and enthusiastic individuals to join our Public Works team!

As an employer of choice, Halton Region recognizes the many benefits of hybrid work arrangements including flexibility and better work-life balance for our employees. Where the work permits, employees will have the choice to work where they can have the greatest impact on achieving our goals. Please note, this position is eligible for our Hybrid Work Program/Work from Home Arrangement.

Posting ID: 1487

Department: Public Works

Division: Water & Wastewater System Services

Pay Range: \$75,743 - \$100,992

Job Type: Permanent

Hours of Work: 35 hours per week

Work Location: North Service Road Office, 1075 North Service Road West, Oakville

Employee Group: OCT

Posting Date: February 10, 2023

Application Deadline: March 24, 2023

Job Summary

Reporting to the Supervisor of Infrastructure and Systems Improvement, the Systems Performance Specialist is responsible for monitoring water and wastewater system performance and identifying system performance issues. The position's primary role includes water and wastewater system performance data management, quality assurance and reporting as well as performance data analysis to identify system performance issues for the linear and stations operational sections. This position is also responsible for overseeing the Regional Wastewater Flow Monitoring Program and Regional Water Flow, Pressure and Quality Monitoring Program.

Duties & Responsibilities

- Lead Regional Wastewater Flow Monitoring Program and Regional Water Flow, Pressure and Quality Monitoring Program;
- Develop contract documents, including tenders and RFP's, manage consultants and contractors providing field and engineering services;
- Develop and implement strategies for monitoring and performance assessment of linear and vertical water and wastewater infrastructure including collection and analysis of information required to make key operational and business decisions;
- Monitor and troubleshoot Halton's wastewater and water systems via deployment of field monitoring equipment, assessment of system performance leveraging GIS, in-system monitoring, SCADA and hydraulic modeling;
- Monitor, evaluate, and analyze data relative to water and wastewater system performance in order to proactively identify potential correlations, patterns, and system issues;
- Recommends operational and analytical strategies to improve system performance with supporting technical and business case analyses;
- Extract, transform, analyze and interpret data from multiple data sources, ensuring data quality and integrity is maintained from source to the final output;
- Identify areas for data quality improvements and support solutions to resolve issues.
- Assist with the collection of information required for benchmarking and performance metrics.

- Cultivate and maintain effective working relationships with various internal and external stakeholders including public, staff, consultants, contractors, suppliers, and local municipalities.
- Some field work will be required to access monitoring location and to deploy field monitoring equipment.
- Perform other duties as assigned.

Skills & Qualifications

Essential

- University Degree or Diploma in a Civil or Environmental Engineering or a related field.
- Minimum of three (3) years' experience in the water and wastewater industry developing and implementing data analytics and business intelligence solutions.
- Demonstrated background and understanding of GIS principles and practices and experience using the ESRI suite of software such as ArcGIS.
- Excellent oral, written and interpersonal skills with the ability to effectively, communicate and build relationships with internal/external stakeholders.
- Excellent project management, planning, decision-making along with excellent customer service skills, report writing, presentation, and computer skills, including Microsoft Office Suite in combination with a solid understanding of data management and applications.
- Proficiency in data extraction, cleaning, collection, organization, analysis and interpretation from various systems such as SCADA, SAP, LIMS, and various databases within a DMBok2 framework.
- Strong analytical and problem-solving skills, be able to assess and evaluate projects and programs against key performance indicators and communicate progress clearly to a diverse audience
- Knowledge of water distribution and wastewater collection processes and infrastructure.
- Skills in water and wastewater system performance assessment, an understanding of the methodologies, equipment and instrumentation used for field data collection and monitoring. This includes monitoring and analysis of environmental and process variables (e.g. flow, rainfall, pressure, quality, energy), computer tools used for analysis, infiltration/inflow studies and system capacity assessment, basement flooding investigations, hydraulic modeling, approaches to system optimization, GIS and management of large databases.

Additional Skills and Qualifications

Preferred

- Certified Analytics Professional, Certified Business Intelligence Professional (CBIP), etc.
- Experience with Javascript, Python or R.

Working/ Employment Conditions

Working Conditions

- Travel will be required. Must provide own transportation.

Employment Conditions

- The successful candidate will be made an offer of employment on condition that the Regional Municipality of Halton receives a current (obtained within the past six (6) months), original and acceptable Criminal Records Check, by the first day of employment.
- In support of the Region's commitment to a healthy and safe workplace and community, the Region has a vaccination requirement for all employees. The successful candidate will be made an offer of employment on the condition of being fully vaccinated against COVID-19 and able to provide proof of vaccination. The candidate will be asked to provide the Region with proof of full vaccination, prior to their employment start date. The requirement to be fully vaccinated is subject to the Ontario Human Rights Code. If the candidate is unable to vaccinate for a reason protected by the Code, a request for accommodation can be requested and written proof satisfactory to the Region will be required.

Important information about your application:

- In accordance with requirements in Ontario Regulation 191/11 – Integrated Accessibility Standards and the Ontario Human Rights Code, Halton Region will accommodate the needs of individuals with disabilities throughout the recruitment process. If you require accommodation at any stage of the recruitment process, please inform the Talent Acquisition representative of the nature of the accommodation(s) you require.
- Please submit your application online. We will accommodate individual needs for applicants with disabilities and others who are not able to apply online. If you experience any issues with submitting your application, please contact HR Access at 905-825-6000 extension 7700.
- Applications will be accepted until 11:59 p.m. on the deadline date specified on the posting.
- We encourage applications from all qualified individuals; however, only those under consideration will be contacted.

- Personal information collected through the job application process will only be used for the purpose of determining qualifications for employment.
- If selected for an interview, you will be contacted by email and/or phone. Please ensure the contact information provided on your resume is up to date and that you check your email and voicemail regularly.

Halton Region serves more than 595,000 residents throughout Burlington, Halton Hills, Milton and Oakville. We are committed to the delivery of high quality programs and services that make Halton a great place to live and work. We engage great people who contribute to meaningful work that makes a positive difference in our community. At Halton, you are encouraged to grow and succeed in your career and are recognized for your accomplishments and contributions. As an employee, you will be part of a progressive, service focused and award winning employer with a diverse and inclusive work environment.