

Project Engineer - System Sustainability Management # 7147

Department: Public Works	Salary: Per hour
Branch: IAM Water Wastewater	Salary Grade: \$59.13 - \$64.28
Location: 17250 Yonge Street Newmarket ON L3Y6Z1 (Primary) Hybrid work opportunities may apply - CA	Union: CUPE Local 4900
Status: Temporary Full-Time	
Temporary - Approximate length of assignment, in months: 18 months	

ABOUT US

Almost 1.2 million residents call York Region home, making it one of the largest regions in Canada – and the fastest growing with a population that’s expected to grow to more than 2 million by 2041. Our geography, which is comprised of about 1,800 square kilometers over nine different municipalities, is as beautiful, interesting and diverse as our people. Local government is organized in a two-tier structure and we work together with our local municipalities to provide residents and businesses access to a broad selection of services and resources.

WHAT WE OFFER

Consistently named one of Canada’s Best Employers by Forbes, we offer a collaborative, progressive workplace that takes pride in our organizational culture and is committed to living The 13+ Factors of Psychological Health and Safety in the Workplace – aligned with our vision to create strong, caring and safe communities both within and outside our walls.

- **Defined Benefit Pension Program** - With the Ontario Municipality Employees Retirement System (OMERS) defined benefit pension plan, you can confidently retire knowing that you will have income for life. Eligibility from date of hire as a full-time employee and includes employer-matched contributions.
- **Employer of Choice** - Recognized as the highest-ranking government employer in Canada and fourth overall among 300 organizations.
- **Benefits and Wellness** - Employees and their loved ones have access to an employee health care spending account, access to a 24/7 Employee and Family Assistance Program and corporate discounts and purchase plans for day-to-day products and services. Casual employees are eligible to receive payment in lieu of benefits and/or vacation.
- **Inclusive and Diverse Workforce** - We’re committed to fostering an environment that celebrates all dimensions of diversity and ensures everyone can develop to their full potential, participate freely in society and live with respect, dignity and freedom from discrimination. Our robust Inclusion, Diversity, Equity and Accessibility program continues to grow, and has been recognized by the United Nations and many other organizations for our leadership.

ABOUT THE ROLE

Reporting to the Project Manager, Wastewater Demand Analysis & Programs is responsible for leading, planning, development and delivery of water and wastewater infrastructure management projects and programs with internal and external stakeholders, including system sustainability management projects, inflow and infiltration (I&I) reduction programming and initiatives; providing technical, analytical and problem-solving leadership and expertise to evaluate water and wastewater system performance; develop mitigation plans and implement rehabilitation works through system control and monitoring, risk analysis and planning, key performance indicator development and tracking; and inspecting and rehabilitating of water and wastewater infrastructure.

WHAT YOU WILL BE DOING

- Reviews and analyzes water and wastewater (WWW) system performance and sustainability and identifies areas for improvement.
- Develops, monitors and tracks relevant system sustainability performance metrics.
- Plans, develops, and coordinates infrastructure inspection and data collection programs to support infrastructure condition assessment/rating and lifecycle analysis programs.
- Plans, develops, and implements relevant programs or projects.
- Develops risk assessment and risk mitigation framework and conducts risk assessment.
- Develops and monitors performance of relevant projects, programs and initiatives and identifies areas for further improvement.
- Prepares project planning documents, including project description reports, terms of reference, detailed scope of work documents, requests for proposals, requests for quotations, and tenders as needed; prepares project cost estimates for use in the preparation of assigned projects.
- Develops and maintains standards, specifications, procedures, guidelines, and templates.
- Coordinates studies, projects, and programs with internal and external stakeholders, including other branches, departments and project teams, as needed.

- Conducts research into the development and improvement of business processes.
- Oversees the delivery of WWW demand management and I&I reduction projects, including engineering consultants and feasibility/functional studies and projects and related initiatives.
- Liaises with internal Department contacts, cross-department staff, external contractors, consultants, government and non-government agencies and the public, as required.
- Responds to internal and external enquiries on issues related to the assigned projects.
- Leads or participates on committees, task forces and work groups, as required.
- Provides engineering recommendations to management and staff in relation to WWW infrastructure, demand analysis and I&I reduction project.
- Prepares and provides presentations to stakeholders, partners, the public, government agencies, senior management, and other internal staff.
- Participates in team building activities, coaching and mentoring of other staff members, as directed.
- Performs other duties, as assigned, in accordance with Branch and Department objectives.

WHAT WE ARE LOOKING FOR

- Successful completion of a University Degree in Engineering from an accredited university.
- Must be registered as a Professional Engineer (P. Eng.) with the Professional Engineers Ontario.
- Minimum five (5) years demonstrated experience (inclusive of E.I.T. experience) in the approvals, design, construction techniques and/or operating processes of water and wastewater distribution collection and treatment systems.
- Demonstrated experience in water and wastewater infrastructure management, including inspection and data collection, condition assessment/rating, risk assessment, failure analysis, condition based predictive lifecycle analysis, and long-term infrastructure rehabilitation and replacement planning.
- Solid understanding of municipal water and wastewater infrastructure management and maintenance principles and best practices.
- Previous project or program management experience.
- Demonstrated leadership skills to co-ordinate project teams; ability to work effectively independently and cooperatively within a team environment.
- Strong communication skills with the ability to prepare technical documents, diagrams, request for proposals, business cases, presentations, and project status updates.
- Demonstrated knowledge of relevant legislation and regulatory requirements.
- Knowledge of wastewater treatment and collection, water treatment and distribution system, operations maintenance and/or management techniques, as well as complex hydraulic systems including pumping, piping, valving, etc.
- Understanding of budgeting processes, strategic planning and program development and implementation techniques.

Scheduled Weekly Hours: 37.5
Scheduled Shifts: 8:30 a.m. to 4:30 p.m.

Start Date: Immediate

Please apply online at <https://york.hua.hrsmart.com/hr/ats/Posting/view/7147> by **5:00PM EST of the closing date August 19, 2025.**

All employment opportunities are recorded on a 24-Hour Career Line and may be accessed by calling 1-877-464-9675 ext. 75508. We thank all candidates for their interest; however, only those selected for an interview will be contacted. Please be advised, York Region uses email as the primary means of communication with candidates and does not use AI technology in any part of the recruitment process. Please ensure your email address is up to date, checked frequently (including your spam folder), and accepts messages from unknown users.

Replacement ☒

Replacement – Converted Position ☐

Addition to Staff ☐

York Region is an equal opportunity employer committed to an inclusive, barrier-free recruitment and selection process. We respect, encourage and celebrate our diversity, aiming to build a qualified workforce that reflects the population we serve. Should you require an accommodation under the [Human Rights Code](#) during the recruitment and selection process, including accessible formats and communication supports, please email careers@york.ca or call 1-877-464-9675 extension 75506. Accommodations for applicants with disabilities are available upon request during recruitment processes and throughout employment.

PROGRESSIVE. COLLABORATIVE. ACCOUNTABLE.

Draw on your passion. Shape our community.

