

# Job Title: ENGINEER

**Job ID:** 25184

**Job Category:** Engineering & Technical

**Division & Section:** Toronto Water, TW Water Infrastructure Management

**Work Location:** Metro Hall, 55 John Street

**Job Type & Duration:** 2 Permanent, 1 Temporary (36 months) vacancies

**Salary:** \$89,871.60 - \$105, 578.20, TM1600, Wage Grade 6.5

**Shift Information:** Monday to Friday, 35 hours per week

**Affiliation:** Non-Union

**Number of Positions Open:** 3

**Posting Period:** 21-Jun-2022 to 06-Jul-2022

## Major Responsibilities:

The Water Infrastructure Management section is seeking to fill Engineer positions under the following two units:

Reporting directly to the Manager, Capital Planning, the Engineer will be responsible for the preparation, prioritization of Toronto Water's annual Capital Works budget and programs for all necessary funding approvals including the tracking of expenditures and forecasts, and financial impacts. The Engineer will also participate in multi-disciplinary project teams to oversee the planning, coordination and delivery of Toronto Water's capital program.

Reporting directly to the Manager, Asset Strategy & Maintenance Planning, the Engineer will be responsible for the efficient and cost effective management and delivery of an asset reliability program spanning Toronto Water. The Engineer will provide engineering support in order to ensure reliable, economical and effective/efficient city-wide engineering services and assets primarily through development of equipment/asset maintenance plans. The Engineer will also provide technical review of and engineering opinion on planning, design, operation and maintenance of the Division's programs/projects.

- Maintains relations with consultants, suppliers and contractors relative to system and equipment design and improvements and formulates sound recommendations regarding such additions and alterations. Conducts research into assigned area ensuring that such research/analysis takes into account developments within the field, corporate policies and practices, legislation and initiatives by other levels of government.
- Ensures that the project expenditures are controlled and maintained within approved budget limitations. Assists in preparation of capital and operating budget. Projects scope and financial impact of projects/proposals. Represents the Manager on technical and steering committees and other meetings called by regulatory agencies and municipalities
- Provides technical advice and expertise to support other units within Toronto Water
- Conducts technical problem investigations and participates in conducting studies, analysis, surveys, research and development for effective solution of complex engineering problems ensuring that such analysis takes into account developments within the field, corporate policies and practices, standards and codes, legislation and initiatives by other levels of government
- Ensures control in the design of projects and specifications and ensures adherence to criteria including quality, safety, timing and cost
- Assists in developing policies and programs, technical design guidelines and requirements and by-laws related to water distribution, wastewater collection stormwater management, water resources and environmental protection, ;

- Responsible for preparing construction cost estimates that reflect current costs and trends
- Prepare Terms of Reference for consultant assignments and agreement contracts with consultants. Review and comment on consultant proposals, recommend approval of their plans and develop implementation plans
- Determine resource requirements for each assignment, and review budget estimates in light of the requirements
- Liaises with and coordinates input from other sections, divisions, departments and external agencies
- Liaises with municipal officials, the Ministry of the Environment, the Ministry of Labour and other government agencies to obtain approvals, grants or other funding, or input into projects and/or new technologies
- Provide necessary engineering expertise with preparation and review of reports, maintenance and monitoring plans, and analysis of data to ensure environmental goals and objectives are adequately addressed
- Documents and develops new business processes and Standard Operating Procedures (SOP)
- Prepares Committee and Council reports and presentations to senior staff, elected officials and the public
- Supports the development and preparation of the Water Infrastructure Management's Section key performance indicators in support of Toronto Water's Strategic Plan and Customer Service Initiative
- Maintains an up-to-date knowledge of technological developments in the field of engineering.
- Prepares Committee and Council reports and presentations to senior staff, elected officials and the public

### **Key Qualifications:**

1. Must be a qualified engineer as defined by the Professional Engineers of Ontario.
2. Experience in municipal engineering with experience in the design, construction, operation, needs assessment, condition assessment, maintenance management or planning of water distribution, wastewater collection, storm drainage and storm water management infrastructure and including complex facilities such treatment plants and pumping stations.
3. Experience in asset management, preparing capital budgets or programs, or reliability engineering analyses for improvements to water treatment and wastewater treatment systems, sewers, watermains and watercourses, or experience in the coordination of construction activities for water and wastewater systems.
4. Experience in the preparation of policy documents, technical and public reports, and responses to inquiries by external agencies and the public.
5. Experience in water and wastewater service delivery, financial and budgeting processes, project management and/or asset management.

You must also have:

6. Excellent analytical, interpersonal, conflict resolution and problem solving skills.
7. Knowledge of the principles and practices of water resources, stormwater management, watercourses, wastewater collection systems, water distribution systems, water treatment and wastewater treatment systems.
8. Knowledge in the preparation of financial budgets and monitoring commitments and tracking expenditures.
9. Ability to communicate effectively both orally and in writing and develop solid internal and external work relationships.
10. Ability to participate in and operate as a fully accountable member of a multidisciplinary work team.
11. Demonstrated analytical, communication, report writing and problem solving skills in order to obtain information both orally and in writing.

12. Proficiency in the use of computer software including Microsoft Office, ArcGIS as well as engineering and project management applications.
13. Knowledge of relevant legislation, including Human Rights and the Occupational Health & Safety Act.

**Note:** All City of Toronto employees are required to be fully vaccinated as a condition of hire in accordance with the City's [Mandatory Vaccination Policy](#). Candidates will be required to show proof of vaccination during the recruitment process.

### **Equity, Diversity and Inclusion**

The City is an equal opportunity employer, dedicated to creating a workplace culture of inclusiveness that reflects the diverse residents that we serve. Learn more about the City's commitment to [employment equity](#).

### **Accommodation**

The City of Toronto is committed to creating an accessible and inclusive organization. We are committed to providing barrier-free and accessible employment practices in compliance with the Accessibility for Ontarians with Disabilities Act (AODA). Should you require Code-protected accommodation through any stage of the recruitment process, please make them known when contacted and we will work with you to meet your needs. [Disability-related accommodation during the application process](#) is available upon request. Learn more about the City's [Hiring Policies and Accommodation Process](#).