



Job Title: Water & Wastewater Engineer

Competition Number: INF-35-25	Department: Infrastructure & Operations
Posting Category: Open	Division: Environment
Job Type: Temporary Full-Time	Affiliation: Managerial
	Location: CA-ON-Thunder Bay
Min: CAD \$106,207.24/Yr.	Max: CAD \$124,949.66/Yr.
Pay Band: 11	Number of Positions: 1
Effective Date: December 3, 2015	Supersedes Date: December 19, 2011
Posted Date: March 19, 2025	Post End Date: April 9, 2025

The **City of Thunder Bay** provides exceptional quality of life to those who live, work, and play in Thunder Bay – a culturally vibrant, economically diverse community with a metro population of over 120,000. Located on the north shore of Lake Superior, under the protective watch of the Sleeping Giant, Thunder Bay is rich in people and resources, and connects Northwestern Ontario to the world. We value our high quality of life and promote a clean, green, beautiful, and healthy community that provides economic opportunity, respects diversity, and provides affordable and safe neighbourhoods that are accessible to all.

The City of Thunder Bay is a place where art, culture and nature come together!

POSITION SUMMARY: Under the direct supervision of the Director, is responsible for planning and supervising the City of Thunder Bay’s Infrastructure Program and for overseeing operational activities, technical research and project management related to system performance, optimization and risk management programs for the wastewater collection and/or water distribution system.

MAJOR RESPONSIBILITIES:

- Participates in the planning, scheduling, and direction of the City’s Infrastructure Improvement Program.
- Identifies trends and problems, researches and recommends solutions to improve performance and efficiencies in the operation of the wastewater collection and/or the water distribution system.
- Liaises with Divisions within the Infrastructure, Development and Operations Department in order to establish priorities for infrastructure upgrading and to provide general engineering support to that Department.
- Provides annual and long-term maintenance planning and analysis of water and wastewater linear infrastructure to minimize life-cycle cost and risks of these assets.
- Develops and revises of policies, procedures and standards relating to the management of municipal water and wastewater resources and other related environmental matters.

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- Develops operating and commissioning plans for Capital projects relating to the wastewater collection/water distribution system in conjunction with Engineering and Environment Division staff.
- Provides operational expertise and technical direction to wastewater collection and/or water distribution staff, engineering office and field staff, as appropriate
- Participates in on-call duties associated with the Division's emergency response system and, on rotation, is designated Overall Responsible Operator.
- Participates in wastewater collection and/or water distribution studies.
- Prepares environmental assessments, designs and prepares plans, specifications, contract documents, detailed cost estimates and performs contract administration for infrastructure projects.
- Participates in the development of the Engineering and Development Standards.
- Prepares general correspondence and corporate reports, as necessary.
- Assists in the development of the operating and capital budgets.
- Assists in the selection and supervises the work of consulting engineers and contractors.
- Liaises with consultants, developers, utilities, government agencies and railways, as necessary.
- Coordinates and provides general supervision of infrastructure construction and site servicing for the development of land including the preparation of agreements for the construction of infrastructure and site servicing.
- Receives, documents, and investigates complaints of by-law violations relating to the sewer system and waterworks.
- Attends public, committee, and Council meetings, as required.
- Performs other such related duties as required.

QUALIFICATIONS:

Education/Experience:

- Degree in civil or environmental engineering and registration as a professional engineer in Ontario; and
- Six years of engineering experience including project planning, design, construction and operation of municipal water and wastewater infrastructure
- Five years proven supervisory experience overseeing technical staff
- Knowledge of relevant legislation, regulations, guidelines, and environmental assessments

Skills/Abilities:

- Ability to communicate effectively and concisely, both orally and in writing
- Ability to deliver presentations to a variety of audiences and to skillfully handle on-the-spot questions from senior officials, members of City Council, special interest groups, and the media
- Ability to establish and maintain effective working relationships with members of City Council, private and public officials, co-workers, contractors, consultants, developers and the general public
- Excellent project/time management, analytical/critical thinking, problem-solving, and decision-making skills
- Must have the initiative to work without close supervision

- Proficiency with office computer equipment and software, including MS Word, Excel, and PowerPoint, Project AutoCad, Soft Desk, ESRI GIS
- Must be competent within the meaning of the Occupational Health and Safety Act.

CONDITIONS OF EMPLOYMENT:

- Must obtain a Class I Wastewater Collection licence as per the regulations of the Ontario Water Resources Act O. Reg. 129/04 within 18 months and a Class III licence within 5 years;
- Must obtain and maintain a Class I certificate of competency for Water Distribution within 18 months and a Class IV certificate within 7 years as per O. Reg. 128/04
- Will be required to travel to various work locations and provide own transportation
- Must undergo a successful Criminal Record and Judicial Matters Check (CRJMC)

HOW TO APPLY

For more details and to apply, please visit:

<https://careers.thunderbay.ca/careers-home/jobs/6119?lang=en-us>

General Information:

As an equal opportunity employer, the City of Thunder Bay encourages applications from Indigenous peoples, persons with disabilities, members of visible minority groups, women and members of the 2SLGBTQ+ community.

ONTARIO HUMAN RIGHTS CODE: It is a contravention of the Human Rights Code of Ontario to discriminate on the basis of: race, ancestry, place of origin, colour, ethnic origin, citizenship, creed, sex, sexual orientation, marital status, family status, disability, age, record of offences, gender identity or gender expression. Therefore, a resume submitted to the City must not include references to any of the above characteristics. Do not include:

- Photos
- Any certificates that have photo identification
- Driver's licences
- Police records checks

Note: The above documentation will be requested by the Human Resources & Division should you be the successful applicant. If a Criminal Record Check is required, it will be requested by Human Resources should you be the successful applicant. Please do not submit your Criminal Record Check with your application.

ACCOMMODATION: Reasonable accommodations are available upon request for all parts of the recruitment process.

PRIVACY: Personal information on the form is collected under the authority of the Municipal Act, c. 302, as amended, and will be used to determine eligibility for employment. Questions about this collection of personal information should be directed to the Human Resources & Corporate Safety Division, 125 Syndicate Ave Suite 42, Thunder Bay, Ontario, P7E 6H8, Telephone: 625-3866