Water Resources Engineer
Job Description
Permanent, Full-time Position

GENERAL DESCRIPTION:
The Water Resources Engineer is responsible to provide water resources engineering expertise to the Conservation Authority.

KEY DUTIES:
1. Provide high-quality service to meet LTC, municipal, partner and public expectations.

2. Implementation of LTC’s Flood Forecasting and Warning and Low Water Response Programs, including equipment and data management.

3. Review stormwater management plans, environmental assessments, and other technical reports and studies, and provide comments with respect to adherence to LTC policies and guidelines and accepted engineering and environmental principles.

4. Participate in the review and response to major development proposals and permit applications.

5. Provide engineering expertise to LTC programs and projects, as required.

6. Prepare and implement long-range plans and budgets for flood and erosion control infrastructure maintenance or repairs to ensure compliance with present regulatory requirements for public safety and long-term integrity of structures.

7. Prepare terms of reference, calls for proposals and quotes, evaluate tender submissions, and make recommendations for awarding contracts for capital projects, watershed plans, research projects and other watershed studies or special projects, provide project management services, and supervise and direct staff and consultants.

8. Update and maintain water resources and development services information and databases.

9. Prepare reports and comments for, and make presentations to the public, member municipalities, the LTC’s Board of Directors and staff, and other agencies and groups to promote LTC and develop and implement LTC programs and policies.

10. Participate in the development of long-term planning and management strategies and plans (e.g. Shoreline Management Plans, Watershed Plans, Master Plans, etc.)
11. Review and comment on proposed environmental legislation, regulations, and policies as required.

12. Undertake site inspections as required.

13. Prepare reports for LTC Board of Directors, and attend meetings and make presentations, as required.

14. Participate in watershed management and planning forums/committees and report on new developments to further the objectives of LTC’s Strategic Plan and Business Plan.

15. Represent LTC on technical committees. Represent LTC on external committees and attend workshops, as requested/approved by the CAO, to enhance the LTC Watershed Science and Services Program.

16. Adhere with all LTC policies and procedures and ensure that program staff, contractors, other agencies, or volunteers undertaking work on behalf of LTC, adhere with LTC policies.

17. Undertake other related duties as required, and as assigned by the Manager, Development Services and Water Resources or CAO.

QUALIFICATIONS:

- Minimum completion of post-secondary education in an engineering field, including 3-year College diploma in engineering or Bachelor’s degree in engineering, water resources or related discipline.

- Possession of Professional Engineer designation (P. Eng.), LET, or CET designations required.

- Minimum 2 years’ experience in engineering practice related to water resources engineering, including project management, peer review and best management practices.

- Demonstrated ability to work as part of a team on projects and studies.


- Working knowledge of stormwater management, hydraulics, hydrology, modeling, floodplain management, and data analysis including: knowledge of hydrologic/hydraulic computer models, including HEC-RAS, HEC-HMS, Visual OTTHYMO, and PCSWMM.

- Knowledge of legislation, policies, procedures, and practices relevant to land use planning, Conservation Authorities Act, Clean Water Act, and water management.

- Analytical, interpretive and research skills required to assess situations, to conduct studies, and to provide reports and recommendations.

- Experience in the preparation of technical reports, peer reviews, and presentations.

- Demonstrated time management, analytical, and problem-solving skills.

- Good interpersonal skills to communicate effectively with the public orally and in writing, in a positive, courteous and respectful manner.

- Experience with GIS and database software.

- Ability to work outdoors in adverse conditions.

- Satisfactory police check and driver abstract.

- Valid Ontario “G” Driver’s Licence in good standing.
CONDITIONS OF EMPLOYMENT:
- 40 hours/week
- Annual Salary Range (under review) $76,330 - $88,487

COME WORK WITH US!
- We offer competitive wages, a comprehensive employee benefits program and are members of the Ontario Municipal Employees Retirement System (OMERS) pension fund.
- Flexible work arrangement is available for most positions.
- You will work with staff that are creative, talented and solutions-focused.
- We value the professional development and wellness of our employees.
- You’ll have free access to most of the province’s conservation areas.

HOW TO APPLY:
Email your cover letter (please specify where you learned of the job opportunity) clearly marked “Water Resources Engineer”, along with your resume by Friday, January 13, 2023 at 4pm to:

    Email: information@LTC.on.ca
    Attention: Janet Noyes, Manager, Development Services and Water Resources

We thank all applicants for their interest; however, only candidates under consideration will be contacted.

Lower Trent Conservation is an equal opportunity employer in accordance with the Accessibility for Ontarians with Disabilities Act, 2005 and the Ontario Human Rights Code. Lower Trent Conservation will provide accommodations throughout the recruitment, selection, and/or assessment process to applicants with disabilities.

Personal information provided is collected under the authority of The Municipal Freedom of Information and Protection of Privacy Act.