



## NOTICE OF COMPETITION



### Environmental Engineering Technologist

The Central Lake Ontario Conservation Authority (CLOCA) is seeking a dynamic individual to work in our Engineering and Field Operations department. Reporting to the Director, the Environmental Engineering Technologist will be responsible for providing engineering support associated with the water monitoring system including the flood forecasting and warning system.

#### **Responsibilities:**

##### Surface Water Monitoring System

1. Maintains the surface water monitoring system, ensuring operation and maintaining and replacing hardware and software applications.
2. Develops, recommends and implements short and long-term surface water monitoring system strategies for CLOCA.
3. Ensures water monitoring data is appropriately databased, and prepares analysis of stream and precipitation data.
4. As primary Flood Duty Officer, monitors weather forecasts, rain gauging equipment, stream gauging equipment, and snow courses; analyzing data and providing advance warnings of potential flood conditions to the public and other agencies. Provides after hours "on-call" service, as required.
5. Prepares documents and reports outlining operational and maintenance standards for the flood forecasting and warning system.
6. Participates with other Conservation Authorities, Regional and local municipal emergency response staff, and the Ministry of Natural Resources and Forestry, in the development of common standards.
7. Obtains budget approval and purchases equipment, as required.
8. Provides training to staff on emergency procedures.
9. Provides internal customer service assisting staff within other departments, as well as external customer service alerting the public of potential floods, answering general inquiries and/or complaints and advising on technical issues.
10. Makes decisions within established guidelines and practices under the direction of the Director of Engineering and Field Operations.
11. Assists in the technical support of water monitoring and data collection programs through equipment installation, repair and maintenance, data retrieval, completion of stream surveys, flow measurements, rating curve development and model calibration.
12. Analyses water monitoring data including stream level, stream flow, and rainfall, and completes analysis to support the low water program.

##### Groundwater Monitoring System

13. Participates with the operation of the groundwater well monitoring network across the CLOCA watershed and participation in the Provincial Groundwater Monitoring Network (PGMN).
14. Participates with critical review of the PGMN network within CLOCA, and recommends changes to the program as appropriate.
15. Participates in well instrumentation and maintenance of the gauging system, retrieval and processing of water level data, and ground water quality sampling.
16. Responsible for reporting of data to the PGMN, and review, adjustment, and input of groundwater level and groundwater quality data within the CLOCA database.
17. Conducts analysis of groundwater quality and quantity as needed to support various departments and functions of CLOCA including Low Water Program, Watershed planning, etc.

##### Provincial Water Quality Network (PWQMN)

18. Plans and ensures the completion of surface water quality sampling in the CLOCA watershed to support the PWQMN and other related surface water quality sampling programs.
19. Ensures water quality data is appropriately stored, and completes analysis and reporting of data, as required.

##### Human Resources

20. Supervises seasonal/co-op students working on engineering projects hiring, training, scheduling, assigning work and ensuring accuracy within established project guidelines, deadlines and budgets.

Cont'd

Public Relations

21. Provides information for media releases and conducts media interviews related to flood forecasting and warning.
22. Responds to telephone and written inquiries from the public inquiries regarding natural hazard issues.
23. Prepares and makes presentations, as requested, on natural hazard topics.
24. Prepares written articles, as requested, for publications or news releases.

**Qualifications:**

1. University degree or college diploma in Environmental Engineering and one to three years related experience or equivalent combination of education and experience.
2. Knowledge of geographic information systems and database management. Ability to operate a computer and associated software, plus a printer and other common office equipment.
3. Ability to use gauges, scales and survey equipment.
4. Good analytical, communication and organizational skills.
5. Ability to act tactfully and professionally in confrontational situations.
6. Ability to adapt to a variety of changing priorities within the job.
7. Must have a valid driver's license.

**Wage/Benefits:** \$61,000 to \$75,000, 35 hours per week, benefits package.

**Closing Date for Resumes:** February 9, 2018

Please submit cover letter and resume to: [employment@cloca.com](mailto:employment@cloca.com) **If you do not have access to email, please submit cover letter and resume to:**

Perry Sisson, Director, Engineering & Field Operations  
Central Lake Ontario Conservation Authority  
100 Whiting Avenue, Oshawa, ON L1H 3T3

*We thank all applicants for their interest; however, only candidates under consideration will be contacted. Central Lake Ontario Conservation is an equal opportunity employer in accordance with the Accessibility for Ontarians with Disabilities Act, 2005 and the Ontario Human Rights Code. CLOCA 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.*

---