



Lower Thames Valley Conservation Authority Soil & Water Quality Technician - Job Posting

Soil & Water Quality Technician

LOCATION: 100 Thames Street, Chatham, ON, N7L 2Y8

DEPARTMENT: Conservation Services

REPORTING TO: Agricultural Program Coordinator

DATE POSTED: 2018-11-09

CLOSING DATE: 2018-11-25

APPROXIMATE START DATE: 2019-01-02

POSITION TYPE: Contract (23 Months)

PURPOSE OF POSITION:

This 23-month contract position will provide an exciting opportunity for a high-energy team player with excellent communication and technical skills. The successful application will support the LTVCA with the delivery of the McGregor and Jeannettes Creek Phosphorus Reduction Program. The LTVCA McGregor and Jeannettes Creek Phosphorus Reduction Program is a subwatershed study that will provide agricultural producers with technical and financial support to implement agricultural Best Management Practices (BMPs) with the goal of improving soil health and water quality. Furthermore, the LTVCA will conduct environmental monitoring within each subwatershed to validate the effectiveness of the implemented BMPs at reducing agriculturally sourced nutrient loads. The data collected through the project will be used to calibrate a Soil and Water Assessment Tool model for each subwatershed, which will be used to quantify potential phosphorus reductions that results from program implemented practices. The goal of the program is to support the agricultural sector in reducing non-point source nutrient loads within the Thames River watershed and to improve the quality of our soil, water, and air.

The Soil & Water Quality Technician will be responsible for conducting a variety of monitoring, data collection/management, and stakeholder education and outreach tasks to support the achievement of the deliverables of the McGregor and Jeannettes Creek Phosphorus Reduction Program.

SPECIFIC RESPONSIBILITIES:

- Assist with managing and maintaining the operation of the Jeannettes and McGregor Creek Phosphorus Reduction Program monitoring network. Activities associated with managing and maintaining the subwatershed monitoring stations are as follows:
 - Conduct water sampling at research sites during precipitation and flow events.
 - Process samples for shipment to laboratories for nutrient analysis.
 - Install, troubleshoot, repair and maintain monitoring instrumentation as necessary.
- Assemble, manage, and analyze time-series data that is collected from the various monitoring instruments.



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- Provide technical and administrative assistance to agricultural producers who are implementing agricultural Best Management Practices (BMPs) through the program.
- Assist with the communication of project results to agriculture and community stakeholders.
- Analysis of water quality results collected from various sites as required.
- Support the Agricultural Program Coordinator and Water Quality Specialist with maintaining the various ongoing LTVCA Phosphorus Reduction Initiatives throughout the watershed.

QUALIFICATIONS:

1. A diploma or degree from a recognized college or university in environmental science/technology, environmental studies, agricultural studies, or a related discipline
2. Experience related to water quality monitoring, sample collection, edge-of-field monitoring of nutrient loss. Experience with automated sampling and data collection techniques will be an asset.
3. Experience measuring water quantity and stream flows. Ability to analyze and interpret flow and water quality data.
4. Technically capable, with experience installing and maintaining environmental technologies in the field.
5. Thorough understanding of soil science, agricultural land management practices and production operations in Ontario.
6. Excellent verbal and written communication skills.
7. Ability to work effectively in a team environment.
8. Effective at managing time and prioritizing tasks.
9. Ability to work independently and solve problems.
10. G Class Drivers Licence (Mandatory).
11. First Aid Certificate and Working at Heights Certified.

COMPENSATION & HOURS:

Wage: \$24.05 to \$26.01 (Wage pending on applicant's experience)

Weekly Hours: 35 Hours

Vacation Time: 2 Weeks

Employment Duration: 23 Month Contract

Estimated End Date: November 30th, 2020

Please send a resume and cover letter by November, 21st of 2018 noting this position to:

Lower Thames Valley Conservation Authority

100 Thames Street

Chatham, ON N7L 2Y8 or

Fax: 519-352-3435 or

Email: Colin.Little@ltvca.ca

We thank all applicants for their interest. However, only those selected for an interview will be contacted.



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LTVCA is an equal opportunity employer in accordance with the Accessibility for Ontarians with Disabilities Act, 2005 and the Ontario Human Rights Code. LTVCA is committed to providing accommodations throughout the recruitment, selection and/or assessment process to applicants with disabilities. If you require disability related accommodations, please notify us and we will work with you to meet your needs. Personal information provided is collected under the authority of the Municipal Freedom of Information and Protection of Privacy Act.