



## **Internal/External Job Posting**

### **Full Time Bargaining Unit Position**

### **Water Resources Technician**

The Grand River Conservation Authority (GRCA) has an international reputation for excellence in managing the natural resources of the largest inland river system in southern Ontario. Encompassing approximately 6,800 square km, the Grand River watershed has a population of almost one million people in 39 municipalities and two First Nations. Designated as a Canadian Heritage River, the Grand River and its major tributaries boast many outstanding human heritage features and excellent recreational opportunities. The GRCA is committed to environmental protection by delivering services that ensure the well-being of the environment and its inhabitants.

#### **General Accountabilities**

The Water Resources Technician position plays a key role in the flood forecasting and warning, dam management and water monitoring programs at the GRCA. This position is responsible for data collection and analysis relating to the surface water monitoring program and reports to the Water Resources Engineer as part of the Surface Water Resources group within the Engineering department

This position comprises of field data collection, data management and coordination of the snow survey and river watch programs. Good time management, project planning and interpersonal skills are essential in this position. Experience working in and around water and capability to perform physical duties are also requirements for this position. This position works closely with Water Structures staff to maintain business continuity of the monitoring system.

This position responds to information requests from staff, consultants, public and other agencies. This position is also part of the Engineering Technician pool and is required to work with the water quality, groundwater and subwatershed monitoring programs as needed.

#### **Specific Accountabilities**

1. Obtaining and managing streamflow measurements, streamflow time series data and reservoir report information.
2. Maintenance and development of rating curve information for GRCA stations and maintenance of gauge datum elevations.
3. Working with the Water Resources Engineer this position is responsible for data quality assurance and archiving of hydrometric, stream gauge, snow course and climate information collected at GRCA operated stations.
4. Work closely with Water Survey of Canada staff to obtain and maintain up to date rating curve information and elevations for stations operated by Water Survey of Canada in the Grand River Watershed.
5. Maintenance of snow course equipment, information and reporting of snow course results to the Province.
6. Maintenance of water quantity monitoring equipment used to obtain manual flow measurements.
7. Responsible for organizing and summarizing river watch reports provided by field staff.
8. Performs basic analysis and interpretation of water quantity information.
9. Water Quality: secondary technician for continuous water quality station and probe maintenance. Act as the backup technician for the Provincial Water Quality sampling network.
10. Participate on the team that places and retrieves public safety buoys and booms as needed
11. Complete elevations surveys as requested.
12. Act as a member of the Duty Officer System.
13. Other related duties as assigned.

#### **Technical Accountabilities**

1. Diploma in Water Resource Management as a technician or technologist or equivalent
2. Minimum of 3 years related work experience in hydrometric measurement and water quality sampling.
3. Knowledge and experience with water quantity measurement techniques, equipment and rating curve maintenance.
4. Advanced computer skills related to data management and data analysis including working knowledge of WISKI (Water Information Systems KISTERS).

5. Working knowledge of water chemistry and Provincial Water Quality sampling protocols related to Provincial Water Quality Sampling Program.
6. Knowledge and experience in hydrology and collection of hydrometric information.
7. Knowledge and experience related to snow course measurement techniques.
8. Proficiency with personal computers and related software including MS Word, Excel, Outlook, Access and PowerPoint. Knowledge in the use of Arc View would be an asset.
9. Excellent organizational skills with respect to data and time management skills
10. General understanding of reservoir structures and operations.
11. Knowledge of safety hazards related to working around water and roadways and experience working around streams and rivers and in adverse conditions
12. Experience using survey grade GPS equipment and Acoustic Doppler Current Profiler (ADCP) technology.
13. Valid driver's license.
14. Valid Pleasure Craft Operators Card.

## **Competencies and Abilities**

### **Professional Judgement**

Addressing issues decisively and effectively striving for minimizing cost and disruption to individuals and operations. Demonstrated ability in the area of critical thinking, analysis and assessment of implications, making connections of underlying issues and the ownership of the outcome.

### **Integrity/Ethics**

The willingness to hold oneself accountable for acting in ways that are consistent with stated GRCA values, principles and professional standards.

### **Goal/Action Oriented**

Maintains high level of productivity and self-direction. Demonstrated experience to work under pressure and handle multiple tasks simultaneously with changing priorities. Does not shy away from challenges and seldom gives up, especially in the face of resistance, setbacks or change. Seizes opportunities; takes initiative and is self-motivated. Organizes work, plans activities and sets priorities in a manner that meets competing needs and timely resolution of matters.

### **Team Work**

Interacts with team members and public respectfully and effectively including residents across the watershed. Able and willing to share and receive information. The ability to gather facts and pertinent information to gain an understanding before drawing conclusions, taking action or resolving conflict. It involves active listening and comprehension of verbal and non-verbal signals to enhance understanding. Exceptional internal communications skills are needed for staff relations, working inter-departmentally with respect to communications and to provide support to other programs within the GRCA.

### **Customer Focus**

Dedicated to meeting the expectations and requirements of the department service objectives. Works in close collaboration with internal stakeholders to address relevant information and significant issues in a timely fashion.

**To Apply:** Please send a resume and covering letter to [careers@grandriver.ca](mailto:careers@grandriver.ca) in MS Word or PDF format and quote "Water Resources Technician" in the subject line.

### **Deadline for Applications: 4:00pm December 3, 2021**

Approximate Start Date: December 2021

The pay range for this position is Job Level 6 \$30.22 to \$37.77/35 hours per week

GRCA offers a comprehensive benefits package including health, dental, vision care, life and disability insurance; membership in the OMERS pension plan and a pass for free entry into GRCA conservation areas.

We thank you for your interest, however only candidates under consideration will be contacted.

Accessibility accommodations are available for all parts of the recruitment process. Applicants need to make their needs known in advance.