



Internal/External Job Posting

Regular Full Time Bargaining Unit Position

Water Structures Maintenance Technician

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 kilometres, 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 Structures Maintenance Technician position plays a key role in the dam management, dyke management, and water monitoring programs at the GRCA. This position is responsible for field maintenance of the river gauging stations, monitoring network components and, water control structures including all GRCA dams and dykes. The maintenance program is vital to ensuring the integrity of the water control structures and monitoring system. This position reports to the Maintenance Supervisor of Water Structures.

This position implements projects assigned by the Maintenance Supervisor of Water Structures. A broad knowledge of water control structures, health and safety, electromechanical systems and monitoring equipment is required to fulfill this position. Good time management, project planning, contractor relations and hands on skills are essential in this position. Comfort in Working at Heights and Working in and around Water and capability to perform physical requirements is essential to this position.

Full knowledge of the monitoring system and monitoring equipment is required to allow a timely return to service of various components of this system during both emergency and non-emergency situations.

Knowledge and competency in the operation of all water control structures operated by the GRCA is required to allow this position to act as an emergency operator. This position works closely with Information Technology staff to maintain business continuity of the monitoring system equipment, which operates over a wide area network.

Ideal candidate would be enrolled and working as an electrical apprenticeship or electronics technician field.

Specific Accountabilities

1. Perform seasonal and routine operation and maintenance of structures and mechanical equipment as assigned.
2. Perform seasonal and routine maintenance on all gauge stations and equipment associated with water level, water quality and climate monitoring network as assigned.
3. Retrieve collected data from various water level monitoring equipment, deploy, maintain, and replace equipment.
4. Assist with documenting the maintenance actions, and resulting periodic structural and mechanical inspections, of all flood control structures and monitoring stations. Assist with maintenance of all required logs, files, and reports.
5. Perform seasonal placement and retrieval of all public safety buoys and booms required at GRCA water control structures as assigned.
6. Perform ongoing regular maintenance of hydro generating turbines and sub-station equipment at all major dams. Assist with major repairs and services to hydro generating turbines and sub-stations as assigned.
7. Perform annual inspections and servicing of emergency backup generators at specific dams and the administration office.
8. Act as a backup operator to any flood control structure and emergency response for the entire network.
9. Work with Information Technology to install and maintain the SCADA system control panels used by the data collection system at GRCA dams, gauge stations, and water quality stations.
10. Work closely with the Information Technology staff to install, troubleshoot and maintain wireless network data modems, antennas, network cabling and phone cabling at GRCA dams, parks, and nature centers. .
11. Purchasing of all required materials, equipment and supplies to perform duties effectively.
12. Complete seasonal operations of fish ways control structures at designated dams.
13. Assist and train GRCA staff to carry out seasonal water structure and gauge station general maintenance.
14. Work with the Water Resources Project Coordinator to implement and maintain the required public safety signage around dams across the entire watershed.
15. Work closely with Engineering Staff and operators at specific dams to develop and maintain comprehensive operation and maintenance manuals.
16. Complete daily CVOR vehicle inspection prior to operation of assigned GRCA vehicle.

Technical Accountabilities

1. Graduate as a Technician/Technologist in Civil/Mechanical/Electrical Engineering, millwrighting, construction or an equivalent post-secondary program is required in a related discipline.
2. Minimum three years related work experience.
3. Experience and general knowledge of structural mechanical systems, electrical systems, network cabling and simple electronic circuit trouble shooting. Aptitude and experience in electrical and mechanical troubleshooting of systems is essential to this position.
4. Knowledge of general construction practices, millwrighting, construction equipment, mechanical systems and hydraulic systems.
5. Detailed knowledge of occupational health and safety act, regulations, safety devices and safety equipment for a wide variety of areas.
6. Excellent organizational skills with respect to project planning and time management skills.
7. Knowledge of network communication, telemetry and SCADA systems installation and service is desirable.
8. Knowledge and experience of computers and with the MS-Office suite of tools particularly Microsoft Word and Microsoft Excel.
9. Up to date First Aid and CPR certification.
10. Experience with wireless equipment.
11. Knowledge of basics of electrical, electronics and plumbing codes.
12. Valid driver's license and clean drivers abstract for CVOR operation.
13. Valid pleasure craft license.
14. Physical requirements include working from heights and ladders, lifting heavy equipment and materials, working in and around water and in adverse conditions.

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 engineering water control infrastructure 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 in MS Word or PDF format and quote "Water Structures Maintenance Technician" in the subject line.

Deadline for Applications: 4:00pm Wednesday August 11, 2021

Approximate Start Date: September 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.

Personal information collected in relation to the recruitment process is collected under the authority outlined in the Municipal Freedom of Information and Protection of Privacy Act and used solely to determine eligibility for employment with the Grand River Conservation Authority