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Position Title: Environmental Monitoring Technician

Position Status: Full-Time Temporary (This position to last not later than June 30, 2026)

Department: Liquid Waste Services

Employee Group: Teamsters Local 31

Location: 4515 Central Boulevard, Burnaby

Salary Range/ Wage Rate: PG T22 \$2,837.65 - \$3,340.08 bi-weekly

Our Liquid Waste Services Department is seeking an Environmental Monitoring Technician who will work within a small team of environmental monitoring technicians, scientists and biologists to meet program objectives and achieve department goals. Project work will focus on the recreational water quality monitoring program and may also include the environmental monitoring programs for the region's five wastewater treatment plants and regional water bodies, as well as participating in the toxicity testing and combined sewer overflow monitoring programs, and other program work related to the various wastewater treatment plant upgrades ongoing in the region.

You are a team player, able to work well independently, organized with experience to coordinate and undertake the field aspects of our monitoring programs, and detail oriented with experience in conducting quality assurance and control checks and skilled in the computer software required to visualize and analyze the data collected.

This role:

- Conducts preliminary evaluation of individual sampling site requirements, determines safe and efficient sampling procedures according to established standards and assists in setting up sampling schedules. Conducts sampling of wastewater, sanitary and combined sewer overflows, receiving and ambient environments (water, sediment and biota), and performs chemical and water quality testing. This may include weekend or extended work day schedules at different Metro Vancouver monitoring sites, depending on operational needs.
- Identifies, defines and measures a variety of environmental indicators; performs related analyses and calculations; assists in interpreting results and in determining significance of data and quantity of pollutants in terms of accepted tolerances and obtains additional samples for confirmation as required; applies special test procedures to solve difficult or unusual sampling problems and assists in the development of new procedures and techniques for abnormal parameters.
- Conducts quality checks of laboratory data and database entries. Conducts preliminary analysis of data including comparison with published guideline/objectives, as well the as the creation of data summary tables and graphs.

- Maintains work records and testing files, enters and manipulates data using electronic means and reports results, alerts a superior to violations of applicable requirements and prepares reports and memoranda detailing test results for a superior.
- Monitors consultant sampling projects and/or contracted laboratory data; assists in the review and evaluation of results and procedures and discusses anomalies with a superior; provides consultants with technical advice, guidance and recommendations on appropriate procedures as directed. Checks invoices for accuracy.
- Checks, cleans, calibrates and maintains all sampling equipment, performs simple repairs of equipment as necessary, and prepares solutions and reagents required for testing.
- Performs scheduled and special request sampling in support of the environmental monitoring and assessment quality control programs.
- Performs related work as required, which may include working outside of normal business hours and workdays to accommodate environmental (e.g. tidal) conditions and operational needs.

To be successful, you have:

- Completion of a recognized two-year diploma program from an Institute of Technology with emphasis on environmental sciences (i.e. biology, ecology, oceanography, etc.). Experience collecting and analyzing environmental data (water/sediment quality, biota) in the context of effects assessments or an equivalent combination of training and experience.
- Considerable knowledge of environmental sampling practices, procedures and equipment.
- Considerable knowledge of environmental sample and wastewater collection and sampling techniques.
- Sound knowledge of the regulatory context and environmental guidelines and objectives as applicable to the work performed.
- Sound knowledge of computer programs required and ability to input data, conduct summary statistics and graphing, and write reports. This includes any relevant database and statistical software programs related to the work.
- Working knowledge of accepted sampling and test methods required for the assessment and monitoring of effluent discharge and the aquatic environment.
- Some knowledge of environmental pollution concerns associated with municipal wastewater system operations and stormwater in a large urban area.
- Ability to determine safe and efficient sampling procedures, to work independently to perform environmental monitoring and sampling, to assist in the development and maintenance of a comprehensive testing schedule and in the development of special procedures and techniques as required.
- Ability to develop and maintain effective working relationships with internal and external contacts and to perform duties with tact, efficiency and accuracy.
- Ability to communicate effectively orally and in writing.

- Ability to identify, define and measure environmental quality, to perform analyses and calculations, and to assist in interpreting results and significance of data.
- Ability to use a computer and relevant software to input, manipulate and retrieve data and maintain records and documentation related to the work.
- Ability to monitor consultant and/or contractor lab testing projects.
- Ability to perform physically demanding work over variable terrain, in all types of weather and to work effectively on water/from a boat.
- Skill in the care, maintenance, operation, calibration, and simple repair of equipment used in the work.
- Valid British Columbia Driver's License.

Our Vision:

Metro Vancouver embraces collaboration and innovation in providing sustainable regional services that contribute to a livable and resilient region and a healthy natural environment for current and future generations.

Metro Vancouver employees proudly serve the region and demonstrate the behaviours and attributes of six leadership competencies: Accountability, Adaptability, Building and Nurturing Relationships, Communication, Continuous Learning, and Strategic Thinking and Action.

At Metro Vancouver, we are committed to cultivating a diverse, safe, equitable, and inclusive work environment for all. We strive to attract and retain a talented, diverse workforce that is reflective of the region we serve. If an accommodation is required during the recruitment and selection process, please contact careers@metrovancover.org for support. Learn more about our commitments to diversity, equity, and inclusion [here](#).

Please follow this link <https://metrovancover.org/about-us/careers> to our Careers page where you can submit your application by April 7, 2025.