



Position Title: Environmental Monitoring Technologist

Position Status: Full-Time Regular

Department: Parks & Environment (Environmental Regulation & Enforcement)

Employee Group: Teamsters Local 31

Location: 4515 Central Boulevard, Burnaby

Salary Range/ Wage Rate: PG T23 \$2,953.65 - \$3,486.53 bi-weekly

Our Parks & Environment Department is seeking an Environmental Monitoring Technologist who will conduct audits of air emission stack tests at industrial facilities and conduct liquid waste sampling and analysis work within the wastewater collection and treatment system across the Metro Vancouver region.

You are: a self-starter with strong mechanical aptitude and troubleshooting skills. You can work with minimal supervision and have experience working in diverse work environments. You are comfortable working outdoors and have strong collaboration and effective communication skills.

This role:

- Monitors consultant air emission stack testing sampling for permitted facilities; assesses test procedures and unusual sampling problems in the field; identifies and addresses operational issues related to climatic factors or industrial operating conditions; reviews and evaluates proposed air emission stack test plans and procedures and subsequent tests; informs consultants and permitted facility staff of sampling and air emission stack testing specifications; provides consultants with technical advice, guidance and recommendations on appropriate procedures and advises on the need for adjustments to address problematic conditions or to discontinue tests; alerts a superior or officer of the more unusual situations.
- Identifies, defines and measures a variety of stack emissions; performs related analyses and calculations; interprets results and determines if measured contaminants exceed allowable limits; obtains additional samples for confirmation as required; determines and applies special test procedures to resolve difficult or unusual problems observed in the field; recommends new procedures for unusual circumstances.
- Evaluates and determines appropriate locations and safe and efficient sampling procedures for scheduled and special sampling requests associated with industrial liquid waste for the source control program and for liquid waste characterization studies and research; reviews GIS drawings and works with sewer crews and Environmental Control Officers as needed to identify and set up equipment in suitable locations; develops and carries out sampling process for odorous air contaminants in ambient air.

- Maintains records of test results and procedures; alerts officers to abnormal reports and violations of requirements; and prepares reports detailing test results for a superior and/or others.
- Liaises and coordinates with a variety of internal and external contacts on matters related to the work, such as consultants, contractors, staff at permitted facilities, and laboratory staff; delivers samples to laboratories for analysis; follows and documents strict chain of custody protocols during legal sampling work; testifies in legal proceedings as required.
- Checks, cleans, calibrates and maintains all sampling equipment, performs simple repairs of equipment as necessary, and prepares solutions and reagents required for testing; participates in selection of new equipment and the preparation of related business cases.
- As required, coordinates the sampling work of contractors and junior staff.
- Performs related work as required.

To be successful, you have:

- Completion of a recognized two-year diploma course from an Institute of Technology with emphasis on chemistry and pollution control, plus completion of courses related to the work, and sound experience in stack emission testing and wastewater sampling; or an equivalent combination of training and experience.
- Stack Tester Certification.
- Registration or eligibility to register with ASTTBC.
- Thorough knowledge of stack emission testing codes, practices, procedures and equipment.
- Considerable knowledge of wastewater collection and sampling techniques.
- Considerable knowledge of the Environmental Management Act and the Air Quality Management Bylaw as such apply to the work performed.
- Considerable knowledge of special test procedures to solve difficult or unusual sampling problems.
- Sound knowledge of computer applications related to the work.
- Some knowledge of air and water emissions potential of industrial plants in a large urban area.
- Ability to determine safe and efficient sampling procedures, to perform stack emission monitoring and sampling, and to assist in the development of special procedures and techniques.
- 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, and to deal tactfully with others.
- Ability to identify, define and measure a variety of stack emissions, to perform analyses and calculations, and to interpret results and the significance of data.
- Ability to perform sampling of industrial wastewater for the source control program.
- Ability to use a computer terminal to input, manipulate and retrieve data and maintain records and documentation related to the work.
- Ability to monitor consultant stack testing projects and provide technical advice and recommendations.
- Ability to perform physically demanding work in all types of weather and to work effectively at heights.
- Skill in the care, maintenance, operation, calibration, and simple repair of equipment used in the work.
- Valid British Columbia Driver's Licence.

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.

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 September 12, 2024.