



Position Title: Air Quality Analyst

Position Status: Full-Time Regular

Department: Parks & Environment

Employee Group: Teamsters Local 31

Location: 4515 Central Boulevard, Burnaby

Salary Range/ Wage Rate: PG T28 \$3,494.50- \$4,128.88 bi-weekly

Our Parks & Environment Department is seeking an Air Quality Analyst who will support the provision of air quality monitoring projects, acquisition and management of air quality data, reviews of air quality modelling and environmental assessments, and analysis of air quality and emissions data (including greenhouse gases) in development of air quality and climate policies and programs.

You are: a university graduate with considerable knowledge of air quality and meteorology, as well as operation of computer equipment and software applications; organized and able to work independently; an excellent writer and communicator; skilled at liaising with internal and external contacts; able to collect, analyze and interpret data in order to recommend air quality and climate action policies and strategies.

This role:

- Develops and maintains air quality modelling capability; assembles air quality and emissions information, assesses and interprets air quality and emissions data (including greenhouse gases), prepares scenarios for use in airshed modelling; develops plans and programs and identifies priorities and methods to mitigate any undesirable impact of forecast air quality scenarios.
- Assists in developing strategies related to the Clean Air Plan to prevent or reduce unacceptable air quality conditions; provides technical advice and assists regional and departmental staff in summarizing technical findings and developing plans to reduce or control pollution problems.
- Performs environmental assessment reviews and analyses of air quality impact studies of major air pollutant sources and proposed projects; provides guidance to external parties for preparation of dispersion modelling studies; conducts and/or directs consultants engaged in research work on a variety of air quality and emission control issues; prepares related reports and recommends policy and regulatory options for emission control to senior staff.
- Acts as project manager for special air monitoring projects including providing assistance in the design of monitoring programs, commissioning of new monitoring stations, and in the selection of parameters, instruments,

station construction and locations; has responsibility for acquisition of air quality data from network of air quality monitoring stations, and operation of computer equipment and software applications; coordinates field sampling, validates and interprets results, and prepares reports; provides meteorological input as requested to a wide variety of Metro Vancouver air quality studies and control programs.

- Establishes and maintains effective working relationships with a variety of internal and external contacts such as federal, provincial and other regional districts' staff, municipal planners and members of the business community; coordinates the department's activities with respect to meteorological aspects of interagency air pollution study programs; participates in or chairs committees, task forces or working groups involving the general public or other stakeholders.
- Keeps abreast of developments in air quality management in other jurisdictions; maintains current knowledge of regional air quality issues and the status of various pollution control initiatives and measures.
- Prepares, recommends, and communicates air quality advisories, bulletins, and related information; distributes to the public, elected officials, senior management, media, and health professionals; responds to media inquiries; prepares and delivers technical presentations related to the work performed.
- Performs related work as required.

To be successful, you have:

- University graduation with a Science degree in environmental science, environmental management, meteorology or climatology including or supplemented by courses in computer science and considerable related experience in applied meteorology OR a Master of Science degree plus sound related air pollution/research experience including computer experience OR an equivalent combination of training and experience.
- Thorough knowledge of physical and dynamic meteorology, meteorological modelling techniques, meteorological observation systems and techniques, as these relate to the work performed.
- Considerable knowledge of the application of meteorology to the assessment of air pollution as it relates to air quality management, particularly in the area of dispersion modelling.
- Considerable knowledge of research, statistical and analytical principles, practices, procedures, methods and techniques as these relate to the work performed.
- Considerable knowledge of computer programming, modelling and operating methods, principles and practices related to the work performed.
- Considerable knowledge of the principles, practices and procedures of air quality planning as it relates to the work performed.
- Considerable knowledge of the applicable departmental rules, regulations, policies, procedures and objectives.
- Sound knowledge of pollution control program design and administration as related to the work performed.
- Ability to perform detailed analytical and research tasks, prepare air quality and emission scenarios, and to develop strategies, programs and policy options to reduce or control air emissions and enhance air quality.
- Ability to establish and maintain effective working relationships with a variety of internal and external contacts and to represent the District on a variety of committees, task forces and workshops.
- Ability to work with minimal supervision.
- Driver's Licence for the Province of British Columbia.

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.

We are committed to diversity, equity and inclusion and being representative of the region we serve. We invite all qualified candidates to apply including Indigenous People, visible minorities, immigrants, 2SLGBTQI+, all genders and persons with disabilities.

Please follow this link <http://www.metrovancouver.org/about/careers/> to our Careers page where you can submit your application by July 11, 2023.