

Job Opportunity

Position Title: Air Quality Analyst
Job ID: 24004
Location: MV Head Office - Burnaby BC
Full/Part Time: Full-Time
Regular/Temp: Regular
Department: PE AQ Planning & Assessment
Job Function: Technical
Posted Date: 2024/03/15
Close Date: 2024/03/22

Position Information

Department: Parks & Environment, Air Quality and Climate Action Services
Employee Group: Teamsters Local 31
Location: 4515 Central Boulevard
Hours of Work: 36.25 hours / 5 days per week
Salary Range/ Wage Rate: PG T28 \$3,634.43 - \$4,294.18 bi-weekly
Anticipated Start Date: June 2024

This position is based in Air Quality and Climate Action Services, as part of the Air Quality Planning and Assessment team that is responsible for providing foundational data, evidence, analysis, assessment, and planning related to air contaminant emissions reduction (including greenhouse gases) in the Metro Vancouver region. The Air Quality Analyst will support delivery of air quality monitoring projects, acquisition and management of air quality data, review 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 action policies and programs.

Duties:

Develops and maintains air quality modelling skills and resources; assembles information and data related to air quality and emissions (including both health-harming air contaminants and greenhouse gases); assesses and interprets air quality and emissions data; prepares scenarios for use in airshed modelling; develops plans and programs; and identifies priorities and methods to mitigate undesirable impacts of forecast air quality scenarios.

Assists in developing strategies related to the Clean Air Plan to prevent or reduce unacceptable air quality conditions and emissions; provides technical advice and assists regional and departmental staff in summarizing technical findings and developing plans to reduce or control air 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 emissions 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; responsible for acquiring air quality data from network of air quality monitoring stations; and operates 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 district 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 emissions reduction and air quality management in other jurisdictions; maintains current knowledge of regional air quality issues and the status of various air pollution control initiatives and measures.

Prepares, recommends, and communicates air quality advisories, bulletins, and related information; distributes advisory information 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.

Requirements:

University graduation with a science degree in meteorology, climatology, environmental science, environmental management, or similar, including or supplemented by courses in computer science and considerable related experience in applied meteorology and air pollution/research experience OR a Master of Science degree plus sound related applied meteorology and 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 air 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.

A full class spec. T266 is available in Human Resources for review.

Closing

The closing date of this posting is March 22, 2024.

Each applicant is responsible for ensuring that the Human Resources Department receives their application by midnight on the closing date. Any application received past this time will be considered late. Candidacy of late applicants will be considered in conjunction with external applications or, if applicable, the relevant provisions of the governing collective agreement.