



Metro Vancouver – Join us in our commitment to provide services and solutions to one of the world's most liveable regions. We deliver service excellence in the areas of regional growth planning, air quality, water, liquid and solid waste management, regional parks, affordable housing, and community engagement to over 2.4 million residents. We invite you to bring your skills, passion, and expertise to help us in our commitment to sustain and enhance our region's liveability. We offer competitive salaries; excellent benefit packages; a municipal pension plan; employee wellness programs; and varied opportunities for professional growth and development. *Our Parks, Planning and Environment Department is currently seeking an:*

## **Air Quality Analyst (Full-Time Regular)**

### **DUTIES:**

Develops and maintains air quality modelling capability; develops plans and programs and identifies priorities and methods to mitigate any undesirable impact of forecast air quality scenarios; has lead responsibility for acquisition of air quality data from network of monitoring stations, assembles air quality and emissions information, assesses and interprets air quality data, prepares scenarios for use in airshed modelling.

Assists in developing strategies related to the Integrated Air Quality and Greenhouse Gas Management 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, the commissioning of new monitoring stations, and in the selection of parameters, instruments, station construction and locations; coordinates field sampling, validates and interprets results, and prepares reports; provides meteorological input as requested to a wide variety of Metro Vancouver air quality study 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, health authorities and members of the business community; coordinates the department's activities with respect to meteorological aspects of inter-agency 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 and recommends air quality advisories, bulletins and other communications; distributes to elected officials, senior management, the public, 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 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, software and operating methods, principles and practices related to the work performed.

Considerable knowledge of air quality or environmental monitoring network systems, data acquisition systems, computer networking, and operation of computer equipment and software applications, and related practices.

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.

Strong communication skills: technical problem identification and resolution, consultation, listening, and conflict resolution.

Strong technical and plain language writing skills.

Ability to work with minimal supervision.

Driver's License for the Province of British Columbia.

Please follow this link <http://www.metrovancouver.org/about/careers/> to our Careers page where you can submit your application by August 24, 2016.

While we greatly appreciate all the replies we receive, regretfully only those selected for an interview will be contacted.