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Position Title: *Project Engineer

Position Status: Full-Time Regular

Department: Liquid Waste Services

Employee Group: Exempt

Location: 4515 Central Boulevard, Burnaby

Salary Range/ Wage Rate: Professional / Technical, Level 2PA (\$108,607.20 - \$127,710.87 annually)

Our Liquid Waste Services Department is seeking a *Project Engineer who will conduct technical work on a variety of environmental projects and issues. The successful candidate is a registered Professional Engineer in good standing, who will work on projects such as environmental monitoring and modeling; environmental management; human health and ecological risk assessments; implementation of environmental due diligence; regulatory compliance and reporting; contaminated sites; environmental management systems and environmental protection programs.

You are: A critical thinker, a self-starter, a good communicator orally and in writing, a relationship builder, well organized and detail oriented, proficient in writing technical reports, and dedicated to regulatory compliance, continuous improvement, and environmental risk reduction.

The *Project Engineer reports to the Program Manager, Environmental Engineering.

This role:

- Performs a range of environmental engineering and project management work including project design; document preparation; specifications; contract administration; budgetary oversight; cost estimates; scheduling; and report writing.
- Prepares and tracks financial aspects of projects and provides project management oversight for multiple projects including contract administration. Sets and monitors project schedules. Monitors and controls costs within own work ensuring the effective and efficient expenditure of allocated funds making recommendations to senior engineers.
- Works on routine engineering projects and substantial components of complex engineering initiatives. Works to defined scope, schedule and budget and consults senior staff on deviations. May lead projects with well defined outcomes and acts as a resource to junior engineers and technical staff on routine operational issues.

- Handles problems of some complexity requiring inspection and liaison with contractors and other staff to investigate related operating, construction, and design issues in order to ascertain alternatives. Assesses, evaluates and incorporates technical requirements including input from external agencies and other Metro Vancouver departments. Explains difficult issues and works to establish consensus and compliance.–
- Works with engineering staff and consultants and liaises with internal departments and external contacts including member municipalities, regulatory agencies and the general public; works on multiple simultaneous projects in various stages of completion.
- Researches, analyzes, interprets, and studies technical and scientific information. Makes conclusions and diagnoses problems based on a sound understanding and application of engineering principles. Ensures quality standards are upheld in field of specialization and establishes project plans based on priorities of the unit or team.
- Conducts technical work on a variety of environmental engineering projects and issues such as environmental monitoring, modeling, and overall environmental management; human health and ecological risk assessments; implementation of due diligence; regulatory compliance and reporting; spill response; contaminated sites; environmental management systems and environmental protection programs. Identifies opportunities for environmental risk reduction and develops resources and tools for continuous improvement in environmental performance. May review or analyze large datasets related to water quality, sediment or biota for development of departmental Key Performance Indicators or regulatory compliance.
- Identifies non-standard conditions and makes recommendations for remedy. Uses judgment to adapt and apply procedures to address and resolve unusual or problem situations. Consults on difficult, complex or highly unusual matters or decisions and provides progress and technical updates to senior staff.
- Performs other related duties as required.

To be successful, you have:

- Bachelor of Applied Science degree in a relevant engineering discipline (environmental, civil or chemical) including relevant education in the environmental sciences. Completion of a relevant 4 year engineer-in-training program; or an equivalent combination of training and experience.
- Membership or eligibility for immediate membership as a registered Professional Engineer (P.Eng.) with the Engineers and Geoscientists of British Columbia (EGBC).
- Sound technical knowledge and understanding of engineering, scientific, and quality management principles and their application in environmental management. A sound understanding of physical, chemical, and biological processes within the ecology of the natural environment, with demonstrated knowledge of environmental management, environmental monitoring and modeling, impact assessments, and ecological and human health risk assessments. A solid environmental engineering and sciences background, demonstrated skills in statistical analysis/interpretation, and knowledge of biological wastewater treatment processes and impacts of discharges on water and land ecosystems. Understanding of risks, regulations, and preventative controls for a broad range of environmental issues associated with operating liquid waste facilities and equipment (such as spills, rain water, habitat protection, solid and hazardous wastes, greenhouse gases, invasive species, and resource use).
- Ability to interpret and apply federal and provincial environmental legislation and regulations, environmental quality objectives and guidelines, standard engineering and technical guidelines to environmental management such as technical manuals, codes and regulations, contracting policies, safety regulations and corporate and board policies.

- Demonstrated contract administration and project management skills. Ability to organize and prioritize a complex series of project components to meet multiple time based deliverables requiring a high level of detail and accuracy. Demonstrates persistence to overcome obstacles.
- Sound written and oral communication skills; ability to communicate effectively both verbally and in writing including letter, report writing, and presentation skills. Ability to explain difficult issues and works to establish consensus and compliance.
- Strong interpersonal skills and ability to build and maintain effective and respectful working relationships with internal and external contacts. Skill in dealing tactfully and sensitively in a variety of situations including contact with the public, member municipalities, government agencies, academia and contractors.
- Ability to work under general direction and use sound independent judgment in adapting and applying procedures to address and resolve unusual or problem situations. Uses judgment to determine which methods are applicable in any given situation. Sound problem solving skills; ability to analyze business needs and provide strategic input.
- Demonstrated ability to work in a team oriented work environment; contributes to the team with constructive ideas, information and experiences.
- Strong analytical and research skills and ability to present recommendations clearly. Displays a high degree of integrity and professionalism.
- Proficiency using Microsoft office programs, including Word, Excel, Outlook, and Project.
- Valid B.C. Class 5 Driver's license.

****Candidates with lesser experience or greater experience may be considered at the Assistant Project Engineer or Senior Project Engineer level, along with the applicable rate of pay.***

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 November 17, 2025.