



Position Title: *Senior Project Engineer/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 P3A (\$123,587.51 - \$145,395.95 annually)

Our Liquid Waste Services Department is seeking a Senior Project Engineer or 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 Senior Project Engineer reports to the Program Manager Environmental Engineering.

This role:

- Performs complex and varied environmental engineering and project management work that may involve project design and management for large projects. Applies principles and practices of environmental engineering to ensure results are achieved in a sound and practical manner.
- Analyzes and assesses requirements and recommends optimal methods for achieving objectives.
- Responsible for overall project budgets and monitors and controls costs ensuring the effective and efficient expenditure of allocated funds. Participates in short and long range planning.
- Makes decisions and provides recommendations on a variety of issues with board policies and mandates as guidelines. Uses ingenuity to devise original, practical and economical solutions.
- Prepares and reviews project designs, technical reports and contract specifications for consulting services, equipment and construction. Acts as Metro Vancouver's appointed representative in assigned matters of project and contract obligations including project initiatives, site inspections, and determination of regulatory

requirements. May be required to negotiate significant technical or financial interest on behalf of Metro Vancouver.

- Directs the actions of consultants recommending changes to scope and negotiating new terms as required. Deals with a full range of project dimensions that may include legal, environmental, property, public contact, and liaising with various levels of government, and other regulatory bodies.
- Explains difficult concepts and persuades others to adopt a point of view. Supports position with evidence, research, or experience gained in similar situations. Typically acts as a project leader and actively works to encourage teamwork, collaboration, and efficiency.
- 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.
- May supervise professional engineers and/or technical and scientific staff engaged in complex technical work. Peer reviews the work of colleagues and provides guidance to consulting engineers and technical staff. Acts as a resource to staff members for advice and guidance on potential approaches and problem situations. May be a resource for presentations and questions to the Metro Vancouver board, committees and municipal councils.
- May work as a technical/specialist resource, collaborating with senior engineers, management and/or government officials in the development of regulatory or government policy initiatives affecting Metro Vancouver.
- Participates in the design, preparation and approval of engineering standards in area of specialty.
- Performs other related duties as required.

To be successful, you have:

- A Bachelor of Applied Science degree in a relevant engineering discipline (environmental, civil, or chemical) including relevant education in the environmental and biological sciences. 4-6 years of recent related experience following professional registration; or an equivalent combination of training and experience.
- Membership or eligibility for immediate membership as a registered Professional Engineer (P.Eng.) with Engineers and Geoscientists British Columbia (EGBC).
- Sound technical knowledge and understanding of engineering, scientific, and quality management principles and their application in environmental management. Familiar with 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, stormwater, habitat protection, solid and hazardous wastes, greenhouse gases, invasive species, and resource use).
- Demonstrates resourcefulness and strong initiative to collaborate across disciplines and organizational teams. Ability to act as a resource to staff and provide sound and practical guidance for unusual or problem situations.

- Ability to interpret and apply federal and provincial environmental legislation and regulations, environmental quality objectives and guidelines, engineering and technical guidelines and principles related to environmental management such as technical manuals, codes and regulations, contracting policies, safety regulations, and corporate and board policies. Ability to adapt or adjust guidelines and procedures for unique or difficult situations.
- Proven contract administration and project management skills. Demonstrated ability to organize and prioritize a complex series of project components for large, complex projects to meet multiple time based deliverables requiring a high level of detail and accuracy. Ability to resolve problems within established guidelines and procedures; ability to use judgment to determine which methods are applicable in any given situation.
- Excellent written and oral communications skills. Ability to communicate effectively using letter, report writing, and presentation skills. Ability to explain difficult concepts and persuades others to adopt a point of view or way of doing things.
- Strong interpersonal skills and the ability to build and maintain respectful working relationships with internal and external contacts under circumstances that are considerably complex and time sensitive. Skill in dealing openly, tactfully and sensitively in a variety of situations including dealings with the public, member municipalities, government agencies, academia and contractors. Demonstrated ability to work in a team oriented work environment and deal effectively with disagreements and prevent the escalation of conflict.
- Ability to work under broad direction and use significant independent judgment to problem solve when more than one option is possible. Ability to identify opportunities to address emerging needs. Proven ability to take initiative, work with minimal supervision and effectively manage multiple projects and deadlines. Ability to meet timelines and objectives requiring persistence to overcome obstacles.
- Demonstrates understanding of the organizational culture, processes and mechanisms necessary to attain work objectives; upholds Metro Vancouver's reputation through positive and forthright dealings with other organizations and members of the public.
- Ability to supervise, coach, and guide others while enhancing individual and team effectiveness. Ability to mentor and foster the development of junior engineers, technical staff, and direct reports as required.
- Proficiency using Microsoft office programs, including Word, Excel, Outlook, and Project.
- Valid BC Class 5 Driver's license.

****Candidates with lesser experience may be considered at the 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.

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@metrovancouver.org for support. Learn more about our commitments to diversity, equity, and inclusion [here](#).

Please follow this link <https://metrovancouver.org/about-us/careers> to our Careers page where you can submit your application by December 4, 2024.